

APPENDIX P

EMS Laboratories Asbestos Laboratory Report

FINAL REPORT ON A MODIFIED ELUTRIATOR STUDY OF SOIL SAMPLES FROM HENDERSON NEVADA

Twenty-six samples were received on October 21, 2002 for compositing followed by analysis according to the procedure in the document "Modified Elutriator method for the Determination of Asbestos in Soils and Bulk Materials." The samples were identified as P-1 to P-17, S-1, S-2, A-1, A-2, B-1 to B-3, and E-1, E-2.

The samples were not oven-dried since they were dry as received. Each sample was homogenized and split with one split archived. The remaining portion was then used to form a composite according to the ratios provided by Mark Hawley of Environ and shown in Table 1.

The composite was split and one portion was archived. A subsample of the composite, weighing between 50 and 80 grams, was prepared for processing according to the modified elutriator method. Filters with deposits of respirable material were obtained in the elutriator.

Three filters were prepared from each composite with the weight of respirable material deposited on each filter in the range of 115 ± 15 μ grams. One of the filters from each was chosen for determination of the asbestos fiber concentration by examination in a transmission electron microscope (TEM). The filter chosen was generally that with the highest weight of deposit in order to minimize the number of grid openings that were to be counted to achieve a sensitivity of at least one million fibers per gram of respirable dust.

The surface of the selected filter was coated with a thin coat of carbon, which traps the particles. Selected sections of the filter were dissolved in such a manner that the carbon film was left on the surface of a sample grid used for examination in the TEM. Five grids were prepared in this fashion with four of the grids spaced equidistant around the filter and the fifth in the center. The center grid is labeled "B". Grid A is at six o'clock position using an arbitrary starting location, C is at 12 o'clock, D is at 9 o'clock and E is at 3 o'clock.

The number of grid openings to be examined to achieve the required sensitivity was then calculated using the average area of a grid opening for that batch of grids, the weight of respirable material deposited and the total active area of the filter. The number to be counted was rounded up to the next multiple of five and then divided by five to give the number to be examined on each grid.

The detailed data from the TEM examination are contained in Appendix I. Two analysts using different microscopes analyzed grids. The magnification was slightly different on

the individual instruments and is recorded on the data sheets. An entire grid was only examined on one instrument.

The data is summarized in Table 2. Tremolite fibers and chrysotile was found. The tremolite fibers had a morphology that is associated with cleavage fragments and not asbestiform material. Further, an aluminum peak was generally found in the fibers, which is an indication that a material will not assume an asbestiform morphology. A quantitative analysis of a tremolite fiber that was 3.3 μ meters long is given at the end of the data sheets for Composite SEA 3, grid D. The quantitative analysis shows that of the total 15 metal atoms in the formula for tremolite, about 0.36 (average) were aluminum.

The confirmation of the identification of the fibers was performed by energy dispersive x-ray spectrograph (EDS) and electron diffraction. In the case of one fiber identified as chrysotile no diffraction pattern was obtained but the EDS and morphology matched that of chrysotile.

TABLE 1

Henderson: proportions for compositing soil samples for asbestos analysis

grab sample	composite sample	Sample mass (g) as reported from field		total mass of sample	adjusted for tare weight		fraction of fines (Mf/Mtot)	proportions based on Mf/Mtot
		mass of Fraction <1 cm	mass of Fraction >1 cm		mass of Fraction <1 cm	total mass of sample		
E-2	NEA-1	1700	200	1900	1679	1868	0.899	0.342
E-1	NEA-1	1500	200	1700	1479	1668	0.886	0.337
S-2	NEA-1	1300	250	1550	1279	1518	0.842	0.321
NEA-1						sums	2.627	1.000
B-3	NEA-2	2000	300	2300	1979	2268	0.872	0.496
B-2	NEA-2	1500	200	1700	1479	1668	0.886	0.504
NEA-2						sum of H	1.759	1.000
P-14	NEA-3	2000	200	2200	1979	2168	0.913	0.341
P-11	NEA-3	1800	350	2150	1779	2118	0.840	0.314
P-15	NEA-3	1700	150	1850	1679	1818	0.923	0.345
NEA-3						sum of H	2.676	1.000
P-16	NEA-4	2200	100	2300	2179	2268	0.961	0.261
P-17	NEA-4	1900	350	2250	1879	2218	0.847	0.230
P-13	NEA-4	1800	200	2000	1779	1968	0.904	0.245
P-12	NEA-4	1600	50	1650	1579	1618	0.976	0.265
NEA-4						sum of H	3.687	1.000
A-2	SEA-1	1400	500	1900	1379	1868	0.738	0.285
A-1	SEA-1	1400	100	1500	1379	1468	0.939	0.362
B-1	SEA-1	1000	100	1100	979	1068	0.916	0.353
SEA-1						sum of H	2.593	1.000
P-1	SEA-2	2000	250	2250	1979	2218	0.892	0.193
P-5	SEA-2	2000	100	2100	1979	2068	0.957	0.207
P-3	SEA-2	1800	250	2050	1779	2018	0.881	0.191
P-8	SEA-2	1800	100	1900	1779	1868	0.952	0.206
P-9	SEA-2	1500	100	1600	1479	1568	0.943	0.204
SEA-2						sum of H	4.625	1.000
P-10	SEA-3	2100	200	2300	2079	2268	0.916	0.213
P-6	SEA-3	1100	1100	2200	1079	2168	0.498	0.116
P-2	SEA-3	1600	100	1700	1579	1668	0.946	0.220
P-7	SEA-3	1400	100	1500	1379	1468	0.939	0.218
P-4	SEA-3	1100	0	1100	1079	1079	1.000	0.233
SEA-3						sum of H	4.300	1.000
S-1	NOT USED	1300	100	1400				

TABLE 2
Number and Type of Protocol Structures

Sample ID	Deposit Weight μg	Number of Grid Openings	Grid Identification				
			A	B	C	D	E
NEA-1	112	370	0	0	0	0	0
NEA-2	122	340	1 NA	1 NA	2 NA	1 TREM 0.3 x 6 μm	3 NA
NEA-3	124	335	0	1 TREM 0.3 X 9 μm	1 NA	0	0
NEA-4	112	370	1 CHRY 0.1 X 6 μm	1 TREM 0.2 X 11 μm	1 TREM 0.2 X 7 μm	2 NA	0
SEA-1	124	340	1 NA	0	0	0	0
SEA-2	131	325	0	0	0	0	0
SEA-3	113	370	0	2 NA	1 CHRY* 0.1 X 12 μm	1 CHRY 0.1 X 8 μm	0

NA = Non Asbestos Fiber in Protocol Size Range

* Also contained one nonasbestos fiber

APPENDIX I

TEM ASBESTOS ANALYSIS

Client Environmental International
 Sample No. NEA-141A

EMS Lab No. 82451
 Page 2 of 2

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address A40
 Screen Magnification 940 X
 Camera Constant 741
 Accelerating Voltage 100 KV
 Beam Current 1.0 μ A
 K-Factor 1.0

Analyst Roth Date 11-26

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
A3-1		N>D																								
A3-4		N>D																								
H5-1		N>D																								
H3-4		N>D																								
E3-3		N>D																								
C3-6		N>D																								
E3-8		N>D																								
E3-6		N>D																								
F3-8		N>D																								
F3-6		N>D																								
H3-3		N>D																								
A3-6		N>D																								
H3-3		N>D																								
H3-6		N>D																								
B3-3		N>D																								

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Very Light
- Good
- Light
- Light
- Scrappy

- Moderate
- Moderate
- Undissolved Filter

- Heavy
- Heavy
- Folded

- Very Heavy
- Very Heavy

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Enviro-Interlock
 Sample No. NEA/LIA

EMS Lab No. 82451
 Page 3 of

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address A
 Screen Magnification 240 X
 Camera Constant 2.17
 Accelerating Voltage 10 KV
 Beam Current 14 μ A
 K-Factor
 Analyst Ladle Date 11-20

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	C/DQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe
B3-3		N>D																							
C3-6		N>D																							
E3-3		N>D																							
E3-6		N>D																							
F3-3		N>D																							
F3-6		N>D																							
G3-3		N>D																							
G3-6		N>D																							
H3-3		N>D																							
H3-6		N>D																							
K3-3		N>D																							
C4-1		N>D																							
C4-4		N>D																							
F4-7		N>D																							
F4-9		N>D																							

OBSERVATIONS:
 Clean
 Debris
 Gypsum
 Condition of the Grid:
 Very Light Moderate Undissolved Filter
 Very Light Moderate Undissolved Filter
 Good Scrappy
 Heavy Heavy Folded
 Very Heavy Very Heavy

TEM-1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Tech EMS Lab No. 82457
 Sample No. NEA-1 (4A) Page 4 of 5

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address 1-9
 Screen Magnification 5000 X
 Camera Constant 500
 Accelerating Voltage 100 KV
 Beam Current 1.0 μA
 K-Factor 1.0
 Analyst Padra Date 11-20

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
FU-1		N50																								
FU-4		N50																								
HV-1		N50																								
GU-4		N50																								
HU-1		N50																								
HU-4		N50																								
KU-1		N50																								
FU-3		N50																								
FU-6		N50																								
FU-3		N50																								
FU-6		N50																								
HU-3		N50																								
HU-6		N50																								

OBSERVATIONS:
 Clean Debris
 Gypsum Condition of the Grid:
 Very Light Light
 Very Light Light
 Good Scrappy
 Undissolved Filter
 Moderate
 Moderate
 Heavy Heavy Very Heavy
 Heavy Heavy Very Heavy
 Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ. Integ.
 Sample No NEA-1-91A

EMS Lab No. 82451
 Page 5 of

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address 400 X
 Screen Magnification 2500
 Camera Constant 100 KV
 Accelerating Voltage 20 μ A
 Beam Current 1.4
 K-Factor
 Analyst Leah Date 11-28

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
R43		N>D																								
G5-1		N>D																								
G5-4		N>D																								
F5-1		N>D																								
F5-4		N>D																								
G5-1		N>D																								
G5-4		N>D																								
H5-1		N>D																								
H5-4		N>D																								
K5-1		N>D																								
H6-1		N>D																								
E6-4		N>D																								
M6-1		N>D																								
M6-4		N>D																								

OBSERVATIONS:
 Clean Debris:
 Gypsum: Condition of the Grid:
 Very Light Light Moderate Very Heavy
 Very Light Light Moderate Heavy Very Heavy
 Good Scrapy Undissolved Filter Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ. Int.
 Sample No. NEA-1 GA.

EMS Lab No. 82451
 Page 1 of 5

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address B
 Screen Magnification 900 X
 Camera Constant 88.4
 Accelerating Voltage 100 KV
 Beam Current 10 μA
 K-Factor 1.8

Analyst S Ahmed Date 11/26/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments									
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe				
Q2-3	N5D																												
Q2-6	N5D																												
Q2-3	N5D																												
Q2-6	N5D																												
F2-3	N5D																												
F2-6	N5D																												
Q2-3	N5D																												
Q2-6	N5D																												
H2-3	N5D																												
H2-4	N5D																												
H3-1	N5D																												
H3-4	N5D																												
H3-4	N5D																												
H3-4	N5D																												
H3-1	N5D																												

OBSERVATIONS:
 Clean
 Debris
 Gypsum
 Condition of the Grid: Good

Very Light
 Light
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Int
Sample No. NEA-14A

EMS Lab No. 8245A
Page 3 of 5

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address B
Screen Magnification 2100 X
Camera Constant 28.9
Accelerating Voltage 100 KV
Beam Current 118 μ A
K-Factor 10
Analyst SA Date 11/26/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments					
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe
E376	N5D	N5D																							
E377	N5D	N5D																							
C378	N5D	N5D																							
C379	N5D	N5D																							
B379	N5D	N5D																							
B4-1	N5D	N5D																							
B4-2	N5D	N5D																							
E4-1	N5D	N5D																							
E4-2	N5D	N5D																							
E4-3	N5D	N5D																							
E4-4	N5D	N5D																							
E4-5	N5D	N5D																							
E4-6	N5D	N5D																							
E4-7	N5D	N5D																							
E4-8	N5D	N5D																							
E4-9	N5D	N5D																							
E4-10	N5D	N5D																							
E4-11	N5D	N5D																							

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Light
- Moderate
- Very Heavy
- Very Light
- Light
- Moderate
- Very Heavy
- Good
- Scrappy
- Undissolved Filter
- Folded
- Heavy
- Heavy
- Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client: Environ Int. EMS Lab No. 828751
 Sample No: NEA-74A Page 5 of 5

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address B
 Screen Magnification 9100 X
 Camera Constant 28-4
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 118
 Analyst: S Ahmed Date 11/26/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
CS-1	NSD																									
CS-4	NSD																									
CS-7	NSD																									
CS-11	NSD																									
CS-14	NSD																									
CS-17	NSD																									
CS-21	NSD																									
CS-24	NSD																									
CS-27	NSD																									
CS-31	NSD																									
CS-34	NSD																									
CS-37	NSD																									
CS-41	NSD																									
CS-44	NSD																									
CS-47	NSD																									
CS-51	NSD																									
CS-54	NSD																									
CS-57	NSD																									
CS-61	NSD																									
CS-64	NSD																									
CS-67	NSD																									
CS-71	NSD																									
CS-74	NSD																									
CS-77	NSD																									
CS-81	NSD																									
CS-84	NSD																									
CS-87	NSD																									
CS-91	NSD																									
CS-94	NSD																									
CS-97	NSD																									
CS-101	NSD																									
CS-104	NSD																									
CS-107	NSD																									

OBSERVATIONS:
 Clean Debris: Very Light Light
 Gypsum: Very Light Light Moderate
 Condition of the Grid: Good Scrapy Undissolved Filter
 Heavy Very Heavy
 Heavy Very Heavy
 Folded

TEM - 1B(8-01)

TEM ASBESTOS ANALYSIS

Client Environ Int - NEA-1 GA
 Sample No. 82451 of 1

EMS Lab No. 82451
 Page 1 of 1

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address C 9.00 X
 Screen Magnification 29.7
 Camera Constant 100 KV
 Accelerating Voltage 10 μ A
 Beam Current 1.4

Analyst Rodger Date 11-27-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDO	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
F2-6		N5D																								
F2-3		N5D																								
F2-6		N5D																								
W2-3		N5D																								
W2-6		N5D																								
W2-3		N5D																								
B3-4		N5D																								
F3-1		N5D																								
F3-4		N5D																								
F3-1		N5D																								
F3-4		N5D																								
W3-1		N5D																								
W3-4		N5D																								
H3-1		N5D																								
H3-4		N5D																								

OBSERVATIONS:
 Clean Debris:
 Gypsum: Condition of the Grid:

Very Light Very Heavy
 Light Moderate
 Scrapy Undissolved Filter
 Heavy Heavy
 Folded

TEM ASBESTOS ANALYSIS

Client Enviros Int
 Sample No. NEA-14A

EMS Lab No. 8441
 Page 2 of

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address C900
 Screen Magnification 200 X
 Camera Constant 200
 Accelerating Voltage 10 KV
 Beam Current 1.9 μA
 K-Factor

Analyst Radley Date 11-27-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis					Comments					
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na		Mg	Si	Ca	Fe	
C3-3		N>D																								
C3-6		N>D																								
E3-3		N>D																								
E3-6		N>D																								
F3-3		N>D																								
F3-6		N>D																								
G3-3		N>D																								
G3-6		N>D																								
H3-3		N>D																								
H3-6		N>D																								
I3-3		N>D																								
I3-6		N>D																								
K3-3		N>D																								
L4-1		N>D																								
L4-4		N>D																								
E4-1		N>D																								
E4-4		N>D																								

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Very Light
- Good
- Light
- Light
- Scrappy

- Moderate
- Moderate
- Undissolved Filter

- Heavy
- Heavy
- Folded

- Very Heavy
- Very Heavy

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client FLORVIA INC
 Sample No. NEA-140

EMS Lab No. 82051
 Page 3 of

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address g4w
 Screen Magnification 500x
 Camera Constant 50.1
 Accelerating Voltage 10 KV
 Beam Current 1.4 μ A
 K-Factor
 Analyst Rad Date 11-27-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADQ	AQ	ADQ	AZQ		AZQ	Na	Mg	Si	Ca	Fe	
F4-1		N>D																								
F4-2		N>D																								
G4-1		N>D																								
G4-2		N>D																								
H4-1		N>D																								
H4-2		N>D																								
K4-1		N>D																								
K4-2		N>D																								
L4-3		N>D																								
L4-6		N>D																								
E4-3		N>D																								
E4-6		N>D																								
F4-3		N>D																								
F4-6		N>D																								
G4-3		N>D																								

OBSERVATIONS:
 Clean
 Debris
 Gypsum
 Condition of the Grid:
 Very Light
 Very Light
 Good
 Light
 Light
 Scrappy
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM-1B (8-01)

TEM ASBESTOS ANALYSIS

Client ENVIVO Int
 Sample No. NEA-14A

EMS Lab No. X-421
 Page 4 of

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address C400
 Screen Magnification 3000 X
 Camera Constant 39.1
 Accelerating Voltage 100 KV
 Beam Current 1.0 μ A
 K-Factor 1.4
 Analyst Radha Date 11-27-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis					Comments					
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na		Mg	Si	Ca	Fe	
K4-6		N>D																								
H4-3		N>D																								
H4-6		N>D																								
K4-3		N>D																								
K4-6		N>D																								
G-1		N>D																								
C5-4		N>D																								
F5-1		N>D																								
E5-4		N>D																								
B5-1		N>D																								
F5-4		N>D																								
H5-1		N>D																								
G5-4		N>D																								
H5-1		N>D																								
H5-4		N>D																								

OBSERVATIONS:
 Clean Debris:
 Gypsum: Condition of the Grid:
 Very Light Very Light Good
 Light Light Scrapy
 Moderate Moderate Undissolved Filter
 Heavy Heavy Folded
 Very Heavy Very Heavy

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client En Vivo Int
 Sample No. NEA-1UA

EMS Lab No. 8247
 Page 5 of

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 940 X
 Camera Constant 29.1
 Accelerating Voltage 100 KV
 Beam Current 1.0 μA
 K-Factor 1.9

Analyst Heckle Date 11-27-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
K5-1		N>D																								
L5-3		N>D																								
C5-6		N>D																								
E5-3		N>D																								
E5-6		N>D																								
F5-3		N>D																								
F5-6		N>D																								
G5-3		N>D																								
G5-6		N>D																								
H5-3		N>D																								
H5-6		N>D																								
I6-1		N>D																								
F6-4		N>D																								
G6-1		N>D																								
ht																										

OBSERVATIONS:

Clean Debris: Very Light Moderate Very Heavy

Gypsum: Very Light Moderate Heavy Very Heavy

Condition of the Grid: Good Undissolved Filter Light Moderate Heavy Folded Scrapy

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Saviron Int. EMS Lab No. 8245
 Sample No. NEA-1 (4A) Page of

RECEIVING ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 940 X
 Camera Constant 26.1
 Accelerating Voltage 10 100 KV
 Beam Current 1.9 μ A
 K-Factor
 Analyst Radke Date 11-27-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis					Comments					
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na		Mg	Si	Ca	Fe	
F2-3		N>D																								
F2-6		N>D																								
F2-3		N>D																								
F2-6		N>D																								
G3-2		N>D																								
G2-6		N>D																								
H2-3		N>D																								
G3-1		N>D																								
C3-4		N>D																								
F3-1		N>D																								
F3-4		N>D																								
F3-1		N>D																								
F3-4		N>D																								
G3-1		N>D																								
G3-4		N>D																								

OBSERVATIONS:
 Clean Debris Very Light Moderate Very Heavy
 Gypsum Light Heavy Heavy Very Heavy
 Condition of the Grid: Good Undissolved Filter Scrapy Folded

TEM ASBESTOS ANALYSIS

Client ENVIRONMENTAL
Sample No. NEA-14A

EMS Lab No. X2457
Page 2 of

RECEIVING ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address D
Screen Magnification 940 X
Camera Constant 2.5
Accelerating Voltage 100 KV
Beam Current 1.9 μ A
K-Factor
Analyst Redhe Date 11-27-92

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADQ	AQ	ADQ	AZQ	AZZ		Na	Mg	SI	Ca	Fe	
H3-1		N>D																								
H3-2		N>D																								
C3-3		N>D																								
C3-6		N>D																								
E3-3		N>D																								
E3-6		N>D																								
F3-3		N>D																								
F3-6		N>D																								
H3-3		N>D																								
H3-6		N>D																								
H3-3		N>D																								
H3-6		N>D																								
H3-3		N>D																								
H3-6		N>D																								
H3-3		N>D																								
H3-6		N>D																								
H3-3		N>D																								
H3-6		N>D																								
H3-3		N>D																								
H3-6		N>D																								
H3-3		N>D																								
H3-6		N>D																								
H3-3		N>D																								
H3-6		N>D																								
H3-3		N>D																								
H3-6		N>D																								
H3-3		N>D																								
H3-6		N>D																								

OBSERVATIONS:
Clean Debris:
Gypsum: Condition of the Grid:

Very Light
Very Light
Good

Light
Light
Scrappy

Moderate
Moderate
Undissolved Filter

Heavy
Heavy
Folded

Very Heavy
Very Heavy

TEM ASBESTOS ANALYSIS

Client EnVira Lab. EMS Lab No. 82451
 Sample No. NEA-LIA Page 4 of

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 9140 X
 Camera Constant 29.7
 Accelerating Voltage 10 100 KV
 Beam Current 1.4 μ A
 K-Factor
 Analyst Perkh Date 11-27-92

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADK	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
K44-3		NSD																								
G44-6		NSD																								
H4-3		NSD																								
H4-6		NSD																								
K4-3		NSD																								
G5-3		NSD																								
G5-1		NSD																								
K5-1		NSD																								
E5-4		NSD																								
F5-1		NSD																								
F5-4		NSD																								
G5-1		NSD																								
G5-4		NSD																								
H5-1		NSD																								
H5-4		NSD																								
H5-4		NSD																								

OBSERVATIONS:
 Clean Debris
 Gypsum Condition of the Grid:
 Very Light Good
 Light Scruppy
 Moderate Undissolved Filter
 Heavy Moderate
 Very Heavy Folded

TEM ASBESTOS ANALYSIS

Client Enviros Int.
 Sample No. NEA-147

EMS Lab No. 8245 of _____
 Page _____

RECEIVING

ANALYSIS

MICROSCOPE,

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address D940
 Screen Magnification 25X
 Camera Constant 10
 Accelerating Voltage 100 KV
 Beam Current 1.4 μ A
 K-Factor 11-272
 Analyst Rath Date _____

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADQ	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
K54		N>D																								
E53		N>D																								
F56		N>D																								
H53		N>D																								
I56		N>D																								
J53		N>D																								
K56		N>D																								
L53		N>D																								
M56		N>D																								
N53		N>D																								
O56		N>D																								
P53		N>D																								
Q56		N>D																								
R53		N>D																								
S56		N>D																								
T53		N>D																								
U56		N>D																								
V53		N>D																								
W56		N>D																								
X53		N>D																								
Y56		N>D																								
Z53		N>D																								

OBSERVATIONS:
 Clean Debris:
 Gypsum: Condition of the Grid:
 Very Light Light Moderate Heavy Very Heavy
 Very Light Light Moderate Heavy Very Heavy
 Good Scrapy Undissolved Filter Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ Intertec EMS Lab No. 82451
 Sample No. NEA-141A Page 1 of 5

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address F1100
 Screen Magnification 285x X
 Camera Constant 100
 Accelerating Voltage 10 kV
 Beam Current 1.8 μ A
 K-Factor SA

Analyst S Ahmed Date 11/27/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADQ	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
<u>C6-1</u>	<u>NSD</u>																									
<u>C6-4</u>	<u>NSD</u>																									
<u>C6-7</u>	<u>NSD</u>																									
<u>F6-2</u>	<u>NSD</u>																									
<u>F6-1</u>	<u>NSD</u>																									
<u>F6-4</u>	<u>NSD</u>																									
<u>A6-1</u>	<u>NSD</u>																									
<u>A6-4</u>	<u>NSD</u>																									
<u>146-1</u>	<u>NSD</u>																									
<u>145-6</u>	<u>NSD</u>																									
<u>145-3</u>	<u>NSD</u>																									
<u>145-6</u>	<u>NSD</u>																									
<u>145-13</u>	<u>NSD</u>																									
<u>145-13</u>	<u>NSD</u>																									

OBSERVATIONS:
 Clean Debris:
 Gypsum: Condition of the Grid:
 Very Light Light
 Very Light Light
 Good Scrapy
 Undissolved Filter
 Moderate
 Moderate
 Heavy
 Heavy
 Very Heavy
 Very Heavy

TEM ASBESTOS ANALYSIS

Client: ENVIRON
 Sample No. NEA-14A

EMS Lab No. 8440
 Page 2 of 5

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address E
 Screen Magnification 2100 X
 Camera Constant 28.9
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 1.8
 Analyst S Ahmed Date 11/27/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
C5-6	N5D	N5D																								
C5-3	N5D	N5D																								
B5-6	N5D	N5D																								
B4-3	N5D	N5D																								
B4-6	N5D	N5D																								
C4-3	N5D	N5D																								
C4-6	N5D	N5D																								
E4-3	N5D	N5D																								
E4-6	N5D	N5D																								
F4-3	N5D	N5D																								
F4-6	N5D	N5D																								
G4-3	N5D	N5D																								
G4-6	N5D	N5D																								
H4-3	N5D	N5D																								
H4-6	N5D	N5D																								

OBSERVATIONS:
 Clean
 Debris
 Gypsum
 Condition of the Grid:
 Very Light Light Moderate Heavy Very Heavy
 Very Light Light Moderate Heavy Very Heavy
 Good Undissolved Filter Folded

TEM ASBESTOS ANALYSIS

Client ENVIRONMENTAL
 Sample No. NEA-1-1A

EMS Lab No. 8220
 Page 3 of 5

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address E
 Screen Magnification 2100 X
 Camera Constant 28.4
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 1.8
 Analyst S. Ahmed Date 11/27/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
25-1	N5D																									
25-2	N5D																									
25-3	N5D																									
25-4	N5D																									
25-5	N5D																									
25-6	N5D																									
25-7	N5D																									
25-8	N5D																									
25-9	N5D																									
25-10	N5D																									
25-11	N5D																									
25-12	N5D																									
25-13	N5D																									
25-14	N5D																									

OBSERVATIONS:
 Clean Debris: Gypsum: Condition of the Grid:
 Very Light Very Light Good
 Light Light Scrapy
 Moderate Moderate Undissolved Filter
 Heavy Heavy Folded
 Very Heavy Very Heavy

TEM ASBESTOS ANALYSIS

Client: ENVIKOP INT -
Sample No. NEA-1 LA

EMS Lab No. 87601
Page 4 of 5

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address: E 1100
 Screen Magnification: 2800 X
 Camera Constant: 100 KV
 Accelerating Voltage: 10
 Beam Current:
 K-Factor: 1.8
 Analyst: S. Ahmed
 Date: 11/21/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification													EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na	Mg		Si	Ca	Fe				
EM-1	NSD	NSD																											
EM-4	NSD	NSD																											
EM-1	NSD	NSD																											
EM-4	NSD	NSD																											
EM-1	NSD	NSD																											
EM-4	NSD	NSD																											
EM-1	NSD	NSD																											
EM-4	NSD	NSD																											
EM-1	NSD	NSD																											
EM-4	NSD	NSD																											
EM-1	NSD	NSD																											
EM-4	NSD	NSD																											
EM-1	NSD	NSD																											
EM-4	NSD	NSD																											

OBSERVATIONS:

Clean
 Debris:
 Gypsum:
 Condition of the Grid: Good Scrappy Light Very Light Very Light Undissolved Filter Moderate Moderate Heavy Heavy Very Heavy Very Heavy Folded

EXG

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client ENVIRONMENTAL EMS Lab No. 8240
 Sample No. NEA-4A Page 5 of 5

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address E
 Screen Magnification 9100 X
 Camera Constant 28.3
 Accelerating Voltage 100 KV
 Beam Current 18 μA
 K-Factor SA
 Analyst SA Date 11/27/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe		
C3-6	N5D																										
C3-3	N5D																										
C3-6	N5D																										
C3-3	N5D																										
C3-6	N5D																										
C3-3	N5D																										
C3-1	N5D																										
C3-4	N5D																										
C3-1	N5D																										
C3-4	N5D																										

OBSERVATIONS:
 Clean
 Debris
 Gypsum
 Condition of the Grid:
 Very Light
 Very Light
 Good
 Light
 Light
 Scrappy
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM ASBESTOS ANALYSIS

Client Environ. Int'l EMS Lab No. 22451
 Sample No. NEA-24A Page of 2

RECEIVING

TYPE OF SAMPLE
 Air Water
 Soil Bulk
 Other

METHOD OF ANALYSIS
 EPA 600/4-83-043 ISO

LEVEL OF ANALYSIS
 Chrysotile CD-CPD
 Amphibole ADD

ASPECT RATIO
 3:1 5:1

Approved By SA Date 11/27/02

LENGTHS
 All Sizes (EPA)
 (µm) ≥ 0.5
 ≥ 1.0
 ≥ 5.0
 ≥ 10.0

PCMRANGE*
 *1 ≥ 0.25 µm width
 ≥ 5.0 µm length)
 0.45 µm
 0.1 µm
 Other

PORE SIZE
 0.8 µm
 0.22 µm
 Other

G.O. Area (mm²) 0.094
 No. of G.O. to Analyze 340
 Filler Lot No. _____

PREP

FILTER TYPE / AREA (mm²)
 MCE 385
 PC 314
 MCN 1017
 Other _____

DIRECT PREP
INDIRECT PREP

Volume _____ liters
 Working Volume _____ ml
 Weight 122.44 grams
 Ashed Area _____ %

Prepared By SA
 Date 11/27/02

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-24-03
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-36-01

Grid Address A
 Screen Magnification 9400 X
 Camera Constant 29.8
 Accelerating Voltage 100 KV
 Beam Current 1.9 µA
 K-Factor 1.9

Analyst Rade Date 11-27

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
C06		N3D																								
E2-3		N3D																								
E2-6		N3D																								
F2-3		N3D																								
F2-6		N3D																								
G2-3		N3D																								
C3-1		N3D																								
C3-4		N3D																								
E3-1		N3D																								
E3-4		N3D																								
F3-1		N3D																								
F3-6		N3D																								
G3-1		N3D																								
N3-4		N3D																								
H3-1		N3D																								

OBSERVATIONS:

Clean Debris:
 Gypsum: Condition of the Grid:

Very Light Moderate Very Heavy
 Very Light Moderate Very Heavy
 Good Undissolved Filter Folded
 Light Scrapy

TEM-1A (12-00)

TEM ASBESTOS ANALYSIS

Client Environ Int'l
 Sample No. NEA-2-4A

EMS Lab No. 82451
 Page 2 of

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address _____
 Screen Magnification 1000 X
 Camera Constant 1.4
 Accelerating Voltage 100 KV
 Beam Current 1.0 μ A
 K-Factor
 Analyst Radley Date 11-27

Grid Opening	Structure Number	Structure	Dimensions (mm)			NAM	Fiber Classification									EDS Analysis					Comments							
			Width	Length			TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe		
C3-3		N>D																										
C3-4		N>D																										
E3-3		F	1.5	125																								
E3-4		N>D																										
F3-3		N>D																										
F3-6		N>D																										
G3-3		N>D																										
G3-6		N>D																										
H3-3		N>D																										
H3-6		N>D																										
K3-3		N>D																										
Q4-4		N>D																										
R4-1		N>D																										
E4-4		N>D																										
R4-B		N>D																										

OBSERVATIONS: Clean Debris Gypsum Condition of the Grid:

Very Light Moderate Heavy Very Heavy

Very Light Moderate Heavy Very Heavy

Good Undissolved Filter Scrappy Folded

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ. Int.
 Sample No. NIEA-247

EMS Lab No. 82451
 Page 3 of

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address
 Screen Magnification 2000 X
 Camera Constant 29.4
 Accelerating Voltage 10 100 KV
 Beam Current 1.4 μ A
 K-Factor
 Analyst Biche Date 11-27

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
E4-1		N>D																								
E4-1		N>D																								
E4-4		N>D																								
144-1		N>D																								
H4-4		N>D																								
K4-7		N>D																								
C4-3		N>D																								
C4-6		N>D																								
E4-3		N>D																								
E4-6		N>D																								
E4-3		N>D																								
E4-4		N>D																								
G4-6		N>D																								
H4-3		N>D																								

OBSERVATIONS:
 Clean Debris: Gypsum: Condition of the Grid:
 Very Light Light Moderate Heavy Very Heavy
 Very Light Light Moderate Heavy Very Heavy
 Good Scrapy Undissolved Filter Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ-Int.
 Sample No. NEA.2.2A

EMS Lab No. 82451
 Page 4 of 4

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address A
 Screen Magnification 940 X
 Camera Constant 29.7
 Accelerating Voltage 100 KV
 Beam Current 1.0 μ A
 K-Factor 1.0

Analyst Radh. Date 11-27

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
H1-6		N>D																								
E5-4		N>D																								
F5-1		N>D																								
F5-0		N>D																								
H1-1		N>D																								
G5-4		N>D																								
H5-1		N>D																								
H5-4		N>D																								
H5-1		N>D																								
G5-0		N>D																								
E5-2		N>D																								
H5-6		N>D																								
H5-3		N>D																								
H5-0		N>D																								
H5-3		N>D																								

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Light
- Moderate
- Heavy
- Very Heavy
- Undissolved Filter
- Scrappy
- Good
- Folded

TEM ASBESTOS ANALYSIS

Client Environ Int.
 Sample No. NEA-2/4A

EMS Lab No. 82457
 Page of

RECEIVING ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address A
 Screen Magnification 2000 X
 Camera Constant 24.1
 Accelerating Voltage 100 KV
 Beam Current 1.4 μ A
 K-Factor Leath
 Analyst Leath Date 11-27

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments					
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe
<u>E6-1</u>		<u>N30</u>																							
<u>E6-4</u>		<u>N30</u>																							
<u>E6-4</u>		<u>N30</u>																							
<u>E6-1</u>		<u>N30</u>																							
<u>E6-4</u>		<u>N30</u>																							
<u>E6-1</u>		<u>N30</u>																							
<u>E6-1</u>		<u>N30</u>																							
<u>E6-1</u>		<u>N30</u>																							
<u>E6-1</u>		<u>N30</u>																							

OBSERVATIONS:
 Clean Debris: Gypsum: Condition of the Grid:
 Very Light Light Moderate Heavy Very Heavy
 Very Light Light Moderate Heavy Very Heavy
 Good Scrapy Undissolved Filter Folded

TEM - 1B (8-01)

02451.MEN-2-40.A.M01.RS
 Vert= 1000 counts Disp= 1
 Energy Counts X-Ray Lines
 Preset= 100 secs
 Elapsed= 29 secs

Energy (keV)	Count Rate	Element	Line
0.54	2739.	0 K	0 K
		0 K	0 K
		U L	U L
		Cr L	Cr L
		U L	U L
		Cr L	Cr L
		U L	U L
		Cr L	Cr L
		U L	U L
		Cr L	Cr L
0.98	88.	Zn L	Zn L
		U L	U L
		Cr L	Cr L
1.76	4482.	Si K	Si K
		U M	U M
		Cr M	Cr M
		U M	U M

Quantex
 Range= 10.230 keV
 Integral 0 = 10.110
 15839

TEM ASBESTOS ANALYSIS

Client Environ Int.
 Sample No. NEA-2-4A

EMS Lab. No. 8.2451
 Page 1 of

RECEIVING

ANALYSIS

MICROSCOPE:
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address B
 Screen Magnification 9400 X
 Camera Constant 297
 Accelerating Voltage 100 KV
 Beam Current 1.4 μ A
 K-Factor

Analyst Ladke Date 11-29-92

Grid Opening	Structure Number	Structure	Dimensions (mm)	
			Width	Length
120		N50		
E26		N50		
F2-3		N50		
F20		N50		
1223		N50		
1226		N50		
C3-1		N50		
C3-4		N50		
E3-1		N50		
E3-4		N50		
F3-4		N50		
F3-0		N50		
123-1		N50		
123-0		N50		
123-1		N50		

Fiber Classification														
NAM	TM	CM	CD	CQ	CMO	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ

EDS Analysis					Comments
Na	Mg	Si	Ca	Fe	

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Very Light
 Good
 Light
 Light
 Scrappy
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM-1B(8-01)

TEM ASBESTOS ANALYSIS

Client Enviro Int.
 Sample No. NEA-2-41A

EMS Lab No. 82457
 Page 2 of

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address B400
 Screen Magnification 291 X
 Camera Constant 100 KV
 Accelerating Voltage 10 μA
 Beam Current 1.4
 K-Factor
 Analyst Rah Date 11-29

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
H3-4		N2D																								
H3-5		N2D																								
H3-6		N2D																								
H3-7		N2D																								
H3-8		N2D																								
H3-9		N2D																								
H3-10		N2D																								
H3-11		N2D																								
H3-12		N2D																								
H3-13		N2D																								
H3-14		N2D																								
H3-15		N2D																								
H3-16		N2D																								
H3-17		N2D																								
H3-18		N2D																								
H3-19		N2D																								
H3-20		N2D																								
H3-21		N2D																								

OBSERVATIONS:
 Clean Debris: Gypsum: Condition of the Grid:
 Very Light Light Moderate Heavy Very Heavy
 Very Light Light Moderate Heavy Very Heavy
 Good Scrapy Undissolved Filter Folded

TEM - 18 (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

Client Environ Int.
Sample No. NEA-2-4A

EMS Lab No. 82451
Page 3 of

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address B
Screen Magnification 940 X
Camera Constant 3.51
Accelerating Voltage 10 100 KV
Beam Current 1.4 μA
K-Factor
Analyst Ranly Date 11-29

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
G4-4		N>D																								
H4-1		N>D																								
H4-4		N>D																								
H4-3		N>D																								
E4-6		N>D																								
F4-3		N>D																								
F4-6		N>D																								
G4-3		N>D																								
G4-6		N>D																								
H4-3		N>D																								
H4-6		N>D																								
G5-1		N>D																								
G5-4		N>D																								
E5-1		N>D																								
E5-4	F	F	4	170*																						Si EDS

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Heavy
 Heavy
 Moderate
 Moderate
 Undissolved Filter
 Light
 Light
 Scrappy
 Good

TEM - 18 (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

Client Environ Int.
 Sample No. NEA-2-4A

EMS Lab No. 82451
 Page 4 of

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address B
 Screen Magnification 9000 X
 Camera Constant 26.1
 Accelerating Voltage 100 KV
 Beam Current 1.0 μA
 K-Factor 1.4
 Analyst Levick Date 11-29

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
R5-1		N>D																								
R5-4		N>D																								
G25-1		N>D																								
G5-4		N>D																								
G5-1		N>D																								
F5-4		N>D																								
K5-4		N>D																								
G5-B		N>D																								
G5-6		N>D																								
R5-3		N>D																								
R5-6		N>D																								
R5-3		N>D																								
R5-6		N>D																								
G5-3		N>D																								
G5-6		N>D																								

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:
 Very Light Moderate Very Heavy
 Light Moderate Heavy
 Light Undissolved Filter Heavy Folded
 Scrapy

TEM - 18 (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ. Int. EMS Lab No. 82451
 Sample No. NEA-2-417 Page 5 of 5

MICROSCOPE

H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address B
 Screen Magnification 9410 X
 Camera Constant 85.4
 Accelerating Voltage 100 KV
 Beam Current 1.7 μ A
 K-Factor _____
 Analyst Redh Date 11-29

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification												EDS Analysis					Comments					
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na	Mg		Si	Ca	Fe		
H5-3		N30																									
H5-6		N30																									
R6-1		N30																									
R6-4		N30																									
R6-1		N30																									
R6-4		N30																									
H6-1		N30																									
H6-4		N30																									

OBSERVATIONS:

Clean Very Light Moderate Very Heavy
 Debris: Light Moderate Heavy Very Heavy
 Gypsum: Light Undissolved Filter Heavy Very Heavy
 Condition of the Grid: Scruppy Good Folded

TEM - 1B (8-01)

29-NOV-2002 08:09:13

+5V2 PWR

92451,NER-2-4A,A,#01,RS

Vert= 1000 counts Disp= 1

Energy Counts X-Ray Lines

Preset= 100 secs
Elapsed= 6 secs

0.53 1177. O K " O K " V L " O L " V L " O L " V L " O L " V L "

1.44 23. Al K " Al K "

1.76 1886. Si K " Si K " W M " W M " W M "

2.64 47. Cl K " Cl K "

3.18 24. Sb L1 " Sb L1 "

3.58 21. Sb L " Sb L "

9.74 21. Au L " Au L "

(Quantex)

0.000

Range= 10.230 keV

Integral 0 = 10.110
5494

TEM ASBESTOS ANALYSIS

Client Environ Int. EMS Lab No. 82451
 Sample No. NEA-24A Page of

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address S110
 Screen Magnification 25x X
 Camera Constant 100
 Accelerating Voltage 10 KV
 Beam Current 1.0 μ A
 K-Factor 1.0
 Analyst Kenka Date 11-29-0

RECEIVING

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification												EDS Analysis					Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na	Mg		Si	Ca	Fe				
F2-3		N>D																											
F2-6		N>D																											
F2-3		N>D																											
1-2-7		N>D																											
h2-3		N>D																											
h2-6		N>D																											
13-1		N>D																											
13-4		N>D																											
F3-1		N>D																											
E3-4		N>D																											
F3-1		N>D																											
F3-4		N>D																											
h3-1		N>D																											
h3-4		N>D																											
H3-1		N>D																											

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light Moderate
 Very Light Moderate
 Good Undissolved Filter
 Light Light Scrapy
 Heavy Heavy Folded
 Very Heavy Very Heavy

TEM ASBESTOS ANALYSIS

RECEIVING

Client Environ Int
 Sample No. NEA-2-4A

EMS Lab No. 82451
 Page 2 of

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 940 X
 Camera Constant 247
 Accelerating Voltage 10 100 KV
 Beam Current 1.9 μ A
 K-Factor
 Analyst Reck Date 11-29

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
C3-3		N>D																								
C3-6		N>D																								
F3-3		N>D																								
F3-6		N>D																								
F3-3		N>D																								
H3-6		N>D																								
H3-3		N>D																								
H3-6		N>D																								
K3-6		N>D																								
Q-1		N>D																								
Q-4		N>D																								
F4-1		N>D																								
F4-4		N>D																								
F5-1		N>D																								
E4-4		N>D																								

OBSERVATIONS:
 Clean Debris:
 Gypsum: Condition of the Grid:
 Very Light Very Light Good
 Light Light Scrappy
 Moderate Moderate Undissolved Filter
 Heavy Heavy Folded
 Very Heavy Very Heavy

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

Client Environ Int
 Sample No. NEA-2-4A

EMS Lab No. 82451
 Page 5 of 9

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 9000 X
 Camera Constant 29.1
 Accelerating Voltage 100 KV
 Beam Current 1.0 μ A
 K-Factor 1.9
 Analyst Park Date 11-29

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe			
F56		N>D																										
W5-3		N>D																										
W5-8		N>D																										
W5-3		N>D																										
W5-6		N>D																										
F6-4		N>D																										
W6-1		N>D																										
W6-4		N>D																										

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid: Good Light Light Scrapy Very Light Very Light Moderate Moderate Undissolved Filter Heavy Heavy Folded Very Heavy Very Heavy

TEM - 18 (8-01)

TEM ASBESTOS ANALYSIS

Client ENVIRON. INT. EMS Lab No. 82451 of _____
 Sample No NEA-24A Page _____

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 900 X
 Camera Constant 26.1
 Accelerating Voltage 10 KV
 Beam Current .4 μ A
 K-Factor _____
 Analyst Redk Date 11-29-00

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments										
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe					
C2-3		N>D																												
C2-6		N>D																												
F2-3		N>D																												
F2-6		N>D																												
F2-3		N>D																												
G2-3		N>D																												
H2-3		N>D																												
C3-1	1	F	3*	55																										
C3-4		N>D																												
F3-1		N>D																												
F3-4		N>D																												
G3-1		N>D																												
G3-4		N>D																												
H3-1		N>D																												
H3-4		N>D																												

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:
 Very Light
 Very Light
 Good
 Light
 Light
 Scrappy
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM ASBESTOS ANALYSIS

Client ENVYON Ltd.
 Sample No. NEA-2-419

EMS Lab No. X2451
 Page 2 of 2

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 9400 X
 Camera Constant 201
 Accelerating Voltage 10 100 KV
 Beam Current 19 μ A
 K-Factor _____

Analyst Reath Date 11-29-9

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADQ	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
C3-3		N>D																								
C3-6		N>D																								
E3-6		N>D																								
F3-3		N>D																								
G3-3		N>D																								
G3-6		N>D																								
H3-3		N>D																								
H3-6		N>D																								
K3-3		N>D																								
Q4-1		N>D																								
Q4-4		N>D																								
R4-1		N>D																								
R4-4		N>D																								
T4-1		N>D																								
T4-4		N>D																								
F4-4		N>D																								

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:
 Very Light
 Light
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM-1B (8-01)

TEM ASBESTOS ANALYSIS

Client: ENVIRON INT
 Sample No. NEA2-419

EMS Lab No. 82951
 Page 3 of

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 4000 X
 Camera Constant 29.1
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 1.4
 Analyst PMH Date 11-29-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CPQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe		
H4-1		N50																									
H4-1		N50																									
H4-1		N50																									
H4-1		N50																									
H4-3		N50																									
H4-3		N50																									
H4-3		N50																									
H4-3		N50																									
H4-3		N50																									
H4-3		N50																									
H4-3		N50																									
H4-3		N50																									
H4-3		N50																									

OBSERVATIONS:

Clean Debris: Very Light Light Moderate Heavy Very Heavy
 Gypsum: Very Light Light Moderate Heavy Very Heavy
 Condition of the Grid: Good Scrappy Undissolved Filter Folded

TEM ASBESTOS ANALYSIS

Client Environ Int EMS Lab No. 82451
 Sample No. NEA-2-4A Page 4 of 4

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address _____
 Screen Magnification 2000x
 Camera Constant 200
 Accelerating Voltage 100 KV
 Beam Current _____ μ A
 K-Factor 1.4
 Analyst Roth Date 11-29-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments					
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADY	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe
CF-1		N2D																							
HF-1		N2D																							
HF-4		N2D																							
QT-3		N2D																							
CF-6		N2D																							
ET-3		N2D																							
ET-6		N2D																							
ES-3		N2D																							
ES-6		N2D																							
WT-3		N2D																							
WT-6		N2D																							
ET-6		N2D																							
ET-3		N2D																							
ES-6		N2D																							
WT-3		N2D																							

OBSERVATIONS:

Condition of the Grid: Clean Debris: Gypsum: Very Light Very Light Good Light Light Scrapy Moderate Moderate Undissolved Filler Heavy Heavy Very Heavy Very Heavy

TEM ASBESTOS ANALYSIS

Client: Enviro Int
 Sample No. NEA-L1 310
 EMS Lab No. 8251
 Page 3 of

RECEIVING

ANALYSIS

MICROSCOPE'S
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address: B4C9 X
 Screen Magnification: 8000
 Camera Constant: 291.7
 Accelerating Voltage: 10 100 KV
 Beam Current: 1.9 µA
 K-Factor:
 Analysis: Perth Date: 12-3-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments							
			Width	Length	NA	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe		
B4-V		MSD	80	100*																							
B4-V		MI	2	100*																							
B4-V		MSD																									
B4-V		MSD																									
B4-V		MSD																									
B4-V		MSD																									
B4-V		MSD																									
B4-V		MSD																									
B4-V		MSD																									

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:
 Very Light Light
 Light Moderate
 Good Moderate
 Scrapy Undissolved Filter
 Heavy Heavy
 Heavy Heavy
 Very Heavy Very Heavy

EDS: 7162
 has trace of Al, Cl and Fe.

TEM ASBESTOS ANALYSIS

Client ENVIVION Int.
 Sample No. NEA-2-4A

EMS Lab No. 82451
 Page 5 of

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 2400 X
 Camera Constant 241
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 1.4
 Analyst Radha Date 11-29-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
E6-4		N3D																								
E6-1		N3D																								
E6-4		N3D																								
E6-1		N3D																								
E6-4		N3D																								
U6-1		N3D																								
U6-4		N3D																								
U6-1		N3D																								

OBSERVATIONS:

- Condition of the Grid:
- Clean
 - Debris:
 - Gypsum:
 - Very Light
 - Light
 - Light
 - Scrappy
 - Moderate
 - Moderate
 - Undissolved Filler
 - Heavy
 - Heavy
 - Folded
 - Very Heavy
 - Very Heavy

29-Nov-2002 09:35:14

--WARNING--

82451, NEA-2-4A, D, #01, RS

Preset= 100 secs

Vert= 500 counts Disp= 1

Elapsed= 30 secs

Energy Counts X-Ray Lines

0.53	1137.	O K , O K , V L , Cr L , V L , Cr L , V L , V L , Cr L1 , Cr L
1.27	490.	Mg K , Mg K , Mg K , As L , As L , As L
1.76	1432.	Si K , Si K , W M , W M
3.72	282.	Ca K , Ca K
6.40	264.	Fe K , Fe K

Quantex>

0.000 Range= 10.230 keV

10.110

Integral 0 = 14409

TEM ASBESTOS ANALYSIS

Client ENVIRON-INT. EMS Lab No. 82451
 Sample No. NEA-24A of 1 Page 1

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address F
 Screen Magnification 900 X
 Camera Constant 291
 Accelerating Voltage 100 KV
 Beam Current 1.4 μ A
 K-Factor 1.4
 Analyst Patler Date 11-29-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments									
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe			
C2-3		N50																										
C2-6		N50																										
E2-3		N50																										
E2-6		N50																										
E2-8		MD11																										
		MF																										
W2-3		N50																										
W2-6		N50																										
W2-8		N50																										
C3-1		N50																										
C3-4		N50																										
E3-1		N50																										
E3-4		N50																										
E3-8		N50																										

OBSERVATIONS:

Condition of the Grid: Clean Debris: Gypsum: Very Light Very Light Good Light Light Scrapy Undissolved Filter Moderate Heavy Heavy Very Heavy Very Heavy

TEM ASBESTOS ANALYSIS

Client Environ Int
 Sample No. NEA-2-111

EMS Lab No. 82451
 Page 3 of

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address E 240
 Screen Magnification 2500 X
 Camera Constant 25.1
 Accelerating Voltage 100 KV
 Beam Current 1.0 μ A
 K-Factor
 Analyst Reddy Date 11-29-91

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
E4-1		N>D																								
E4-4		N>D																								
E4-7		N>D																								
E4-6		N>D																								
E4-1		N>D																								
E4-0		N>D																								
E4-1		N>D																								
E4-4		N>D																								
E4-1		N>D																								
E4-4		N>D																								
E4-1		N>D																								
E4-3		N>D																								
E4-6		N>D																								
E4-3		N>D																								
E4-6		N>D																								

OBSERVATIONS:
 Clean Debris Gypsum
 Condition of the Grid: Very Light Light Moderate
 Very Light Light Moderate Undissolved Filter
 Good Scrappy Undissolved Filter
 Heavy Very Heavy
 Heavy Very Heavy
 Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ. Int. EMS Lab No. 8257
 Sample No. NEA-2-21A Page 4 of 4

EMSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address E
 Screen Magnification 900x X
 Camera Constant 200
 Accelerating Voltage 100 KV
 Beam Current 1.0 μ A
 K-Factor 1.0

Analyst Rdh Date 11-29-90

ANALYSIS

RECEIVING

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
G4-3		F	4	105	<input checked="" type="checkbox"/>																				Si	
G4-6		N2D																								Si
H4-B		MD11	150	150	<input checked="" type="checkbox"/>																					
H4-6		MF	3	120																						
H4-6		N2D																								
K4-3		N2D																								
C5-1		N2D																								
C5-6		N2D																								
E5-1		N2D																								
E5-4		N2D																								
F5-1		N2D																								
F5-4		N2D																								
G5-1		N2D																								
W5-4		N2D																								
H5-1		N2D																								

OBSERVATIONS:
 Clean Debris:
 Gypsum: Condition of the Grid:
 Very Light Light Moderate Very Heavy
 Very Light Light Moderate Heavy Very Heavy
 Good Scrapy Undissolved Filter Folded

TEM ASBESTOS ANALYSIS

Client Environ. Int.
 Sample No. NEA-2-47

EMS Lab No. 82457
 Page 5 of 5

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address E
 Screen Magnification 9400 X
 Camera Constant 21.7
 Accelerating Voltage 10 100 KV
 Beam Current 1.0 µA
 K-Factor 1.0
 Analyst Rack Date 11-29-99

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe		
H5-9		N>D																									
H5-3		N>D																									
G75-6		N>D																									
H5-3		N>D																									
H5-6		N>D																									
E6-4		N>D																									
E6-1		N>D																									
E6-4		N>D																									
G6-1		N>D																									
G6-4		N>D																									

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light Moderate Heavy Very Heavy
 Very Light Moderate Heavy Very Heavy
 Good Undissolved Filter Scrappy Folded

TEM - 18 (8-01)

29-NOV-1982 10:13:37 92451,NER-2-49,EJ,N01

ENERGY COUNTS X-RAY LINES

0.53	2779.	0 KAL, O KAL, V LAL, CR LAL, V LAL, CR LAL, V LAL, V LAL, CR LN
1.50	1134.	AL KAL, AL KAL
1.76	3644.	SI KAL, SI KAL, W MAL, W MAL
2.26	39.	S KAL, S KAL, MO LAL, MO LAL, W ME
3.33	419.	K KAL, K KAL
3.69	97.	CA KAL, CA KAL
4.49	41.	TI KAL, TI KAL, BA LAL, BA LAL
5.03	45.	BA LB
6.41	43.	FE KAL, FE KAL

TEM ASBESTOS ANALYSIS

Client Enviro Int.
 Sample No. NEA 3 (2A)

EMS Lab No. 82451
 Page of

RECEIVING

TYPE OF SAMPLE
 Air Water Soil Bulk Other _____

METHOD OF ANALYSIS
 EPA 600-4-83-043 ISO

LEVEL OF ANALYSIS
 Chrysotile CD-CD
 Amphibole ADX-ADG

ASPECT RATIO
 3:1 5:1

Approved By fl Date 12-2-02

PREP

FILTER TYPE / AREA (mm²)
 MCE 385 314 1017 Other _____

PORE SIZE
 0.45 μ m 0.8 μ m 0.22 μ m Other _____

G.O. Area (mm²) 0.094
 No. of G.O. to Analyze 335
 Filter Lot No. _____

ANALYSIS

DIRECT PREP
 INDIRECT PREP

Volume _____ liters
 Working Volume _____ ml
 Weight 0.1244 grams
 Ashed Area _____ %

Prepared By RS
 Date 12-2-02

MICROSCOPE

H600A - Serial No. 542-24-03
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-36-01

Grid Address _____
 Screen Magnification 840 X
 Camera Constant 217
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 1.4

Analyst Loehy Date 12-2-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
F2-3		N>D																								
F2-6		N>D																								
F2-3		N>D																								
F2-6		N>D																								
F2-3		N>D																								
F2-6		N>D																								
F2-3		N>D																								
F2-6		N>D																								
C3-1		N>D																								
C3-4		N>D																								
E3-1		N>D																								
E3-4		N>D																								
F3-1		N>D																								
F3-4		N>D																								
G3-1		N>D																								

OBSERVATIONS:

Clean Debris Gypsum Condition of the Grid: Very Light Very Light Good Light Light Scrapy Moderate Moderate Undissolved Filter Heavy Heavy Folded Very Heavy Very Heavy

TEM - 1A (12-00)

TEM ASBESTOS ANALYSIS

Client Environ Int'l EMS Lab No. 82451 of 2 Page 2
 Sample No. NEA-3-24

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01-
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address A940
 Screen Magnification 2500 X
 Camera Constant 100 KV
 Accelerating Voltage 10 KV
 Beam Current 1.4 µA
 K-Factor 1.4
 Analyst Pedle Date 12-2-02

RECEIVING

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments									
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADK	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe			
E3-4		N20																										
H3-1		N20																										
H2-6		N20																										
E3-6		N20																										
E3-3		N20																										
E3-6		N20																										
F3-3		N20																										
F3-6		N20																										
H3-3		N20																										
G3-6		N20																										
H3-3		N20																										
H3-6		N20																										
E4-1		N20																										
E4-4		N20																										
E4-1		N20																										

OBSERVATIONS:
 Clean Debris Gypsum Condition of the Grid:
 Very Light Moderate Very Heavy
 Very Light Moderate Heavy
 Good Undissolved Filter Heavy
 Scrapy Folded

TEM ASBESTOS ANALYSIS

Client Environ Int
 Sample No. NEA-3-2A

EMS Lab No. 82457
 Page 3 of

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01.
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address A 940 X
 Screen Magnification 200
 Camera Constant 100 KV
 Accelerating Voltage 1.9 μ A
 Beam Current
 K-Factor
 Analyst Redh Date 12-2-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
E4-4		N>D																								
E4-4		N>D																								
E4-4		N>D																								
E4-1		N>D																								
E4-4		N>D																								
E4-4		N>D																								
E4-6		N>D																								
E4-3		N>D																								
E4-4		N>D																								
E4-3		N>D																								
E4-6		N>D																								
E4-3		N>D																								
E4-6		N>D																								
E4-3		N>D																								

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:
 Very Light Moderate Very Heavy
 Very Light Moderate Very Heavy
 Good Undissolved Filter Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ Lnt EMS Lab No. 82457
 Sample No. NEA-3 PA Page 4

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address A4C0 X
 Screen Magnification 25x
 Camera Constant 100 KV
 Accelerating Voltage 10
 Beam Current 1.4 μA
 K-Factor

Analyst: Pach Date: 12-2-98

ANALYSIS

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification														EDS Analysis					Comments			
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na	Mg	Si	Ca		Fe		
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									
15-1	N20	N20																									
15-4	N20	N20																									

RECEIVING

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Very Light
 Good

Light
 Light
 Scrapy

Moderate
 Moderate
 Undissolved Filter

Heavy
 Heavy
 Folded

Very Heavy
 Very Heavy

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client ENVIRONMENTAL
 Sample No. NET-32A

EMS Lab No. 8247 of 5 Page

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01,
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address A
 Screen Magnification 910x X
 Camera Constant Leica
 Accelerating Voltage 100 KV
 Beam Current 1.4 μ A
 K-Factor 1.4
 Analyst Paulh Date 12-2-92

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
<u>h5-6</u>		<u>N50</u>																								
<u>15-3</u>		<u>N50</u>																								
<u>h6-4</u>		<u>N50</u>																								
<u>h6-1</u>		<u>N50</u>																								
<u>h6-4</u>		<u>N50</u>																								
<u>h6-4</u>		<u>N50</u>																								
<u>h6-1</u>		<u>N50</u>																								
<u>h6-1</u>		<u>N50</u>																								

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Very Light
- Good
- Light
- Light
- Scrappy
- Moderate
- Moderate
- Undissolved Filter
- Heavy
- Heavy
- Folded
- Very Heavy
- Very Heavy



TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Enviro Int
 Sample No. NEA-3(2A)

EMS Lab No. 82447
 Page 1 of 5

RECEIVING

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address B
 Screen Magnification 9100 X
 Camera Constant 284
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 1.8

Analysis Date 12/2/02
S Ahmed

ANALYSIS

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
2-1	NSD																									
2-2	NSD																									
2-3	NSD																									
2-4	NSD																									
2-5	NSD																									
2-6	NSD																									
2-7	NSD																									
2-8	NSD																									
2-9	NSD																									
2-10	NSD																									
3-1	NSD																									
3-2	NSD																									
3-3	NSD																									
3-4	NSD																									
3-5	NSD																									
3-6	NSD																									
3-7	NSD																									
3-8	NSD																									
3-9	NSD																									
3-10	NSD																									

OBSERVATIONS:
 Clean Debris Gypsum Condition of the Grid: Very Light Very Light Good
 Light Light Scrappy
 Moderate Moderate Undissolved Filter
 Heavy Heavy Folded
 Very Heavy Very Heavy

TEM ASBESTOS ANALYSIS

Client ENVIVION - INT
 Sample No. NEA-3 (2A)

EMS Lab No. 8447
 Page 2 of 5

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address B
 Screen Magnification 9100 X
 Camera Constant 28.9
 Accelerating Voltage 100 KV
 Beam Current 10 μA
 K-Factor 18
 Analyst S Ahmed Date 12/21/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis					Comments					
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na		Mg	Si	Ca	Fe	
E3-6	N5D																									
E3-3	N5D																									
C3-6	N5D																									
C3-3	N5D																									
B3-6	N5D																									
B3-3	N5D																									
B4-6	N5D																									
B4-3	N5D																									
C4-6	N5D																									
C4-3	N5D																									
E4-6	N5D																									
E4-3	N5D																									
C4-6	N5D																									
C4-3	N5D																									
E4-6	N5D																									
E4-3	N5D																									

OBSERVATIONS:

Clean
 Debris:
 Gypsum:
 Condition of the Grid: Good

Very Heavy
 Very Heavy
 Heavy
 Heavy
 Folded
 Moderate
 Moderate
 Undissolved Filter
 Light
 Light
 Scrappy

TEM ASBESTOS ANALYSIS

Client: **AVYOD, HATEMS** Lab No. **01424**
 Sample No: **NEA-3** Page **3** of **4**

RECEIVING

MICROSCOPE

H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address: **B**
 Screen Magnification: **8100** X
 Camera Constant: **88.4**
 Accelerating Voltage: **100** KV
 Beam Current: **1.8** μ A
 K-Factor: **1.8**
 Analyst: **S. Ahmed** Date: **12/2/02**

ANALYSIS

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments																	
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADQ	AQ	ADX	AQ	ADQ		AZQ	AZZ	Na	Mg	Si	Ca	Fe										
HV-3	N5D	N5D																																			
HV-6	N5D	N5D																																			
KU-3	N5D	N5D																																			
KU-6	N5D	N5D																																			
K5-1	N5D	N5D																																			
H5-1	N5D	N5D																																			
H5-1	N5D	N5D																																			
PS-1	N5D	N5D																																			
PS-1	N5D	N5D																																			
PS-1	N5D	N5D																																			
PS-1	N5D	N5D																																			
PS-1	N5D	N5D																																			
PS-1	N5D	N5D																																			
PS-1	N5D	N5D																																			
PS-1	N5D	N5D																																			

EDS#1, Tremolite
 SAED 7155

Very Heavy
 Very Heavy
 Heavy
 Heavy
 Folded
 Moderate
 Moderate
 Undissolved Filter
 Very Light
 Very Light
 Good
 Light
 Light
 Scrappy

Debris:
 Gypsum:
 Condition of the Grid:

OBSERVATIONS:

TEM ASBESTOS ANALYSIS

Client: ANYTOD - INT -
Sample No: VEA-32A

EMS Lab No. DLMS 1
Page 4 of 5

RECEIVING

ANALYSIS

MICROSCOPE

H600A - Serial No. 542-36-01
H600B - Serial No. 542-05-06
H600C - Serial No. 542-24-03

Grid Address B
Screen Magnification 2100 X
Camera Constant 28-g
Accelerating Voltage 100 KV
Beam Current 1.8 μA
K-Factor 1.8
Analyst S. Ahmad Date 11/2/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments									
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe			
15-3	NSD																											
15-6	NSD																											
15-3	NSD																											
15-3	NSD																											
15-3	NSD																											
15-6	NSD																											
15-3	NSD																											
15-3	NSD																											
15-3	NSD																											
15-3	NSD																											
15-3	NSD																											
15-3	NSD																											
15-3	NSD																											
16-4	NSD																											
16-1	NSD																											

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid: Very Light Light Moderate Heavy Very Heavy
 Very Light Light Moderate Heavy Very Heavy
 Good Scrappy Undissolved Filter Folded

TEM ASBESTOS ANALYSIS

Client ENVIRON. INT. - EMS Lab No. 8144-1
 Sample No. NEA-32A Page 5 of 5

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address B.00
 Screen Magnification 28.8 X
 Camera Constant 100 KV
 Accelerating Voltage 10 KV
 Beam Current 1.8 μ A
 K-Factor 1.8
 Analyst SAhmed Date 12/2/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification												EDS Analysis					Comments			
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na	Mg		Si	Ca	Fe
<u>106-1</u>	<u>N5D</u>	<u>N5D</u>																							
<u>106-4</u>	<u>N5D</u>	<u>N5D</u>																							
<u>106-7</u>	<u>N5D</u>	<u>N5D</u>																							
<u>106-4</u>	<u>N5D</u>	<u>N5D</u>																							
<u>106-1</u>	<u>N5D</u>	<u>N5D</u>																							
<u>106-7</u>	<u>N5D</u>	<u>N5D</u>																							
<u>106-4</u>	<u>N5D</u>	<u>N5D</u>																							

OBSERVATIONS:

Clean Debris: Very Light Light Moderate Very Heavy

Gypsum: Very Light Light Moderate Very Heavy

Condition of the Grid: Good Scrapy Undissolved Filter Folded

TEM - 1B (8-01)

```

2-Dec-2002 10:41:51
-WARNING-
02451-NEA-3,B,#01,SA
Vert= 500 counts Disp= 1
Energy Counts X-Ray Lines
1.27 1170. Mg K , Mg K , Mg K , As L , As L ,
1.76 4231. Si K , Si K , W M , W M ,
3.71 778. Ca K , Ca K
6.41 530. Fe K , Fe K
(Quantex)
0.000 Range= 10.230 keV
Integral 0 = 10.110
19169

```

4-Dec-2002 11:20:25

82451, NEA-3-2A, B, #01, SA

Vert = 500 counts Disp = 1

Energy Counts X-Ray Lines

Preset =
Elapsed =

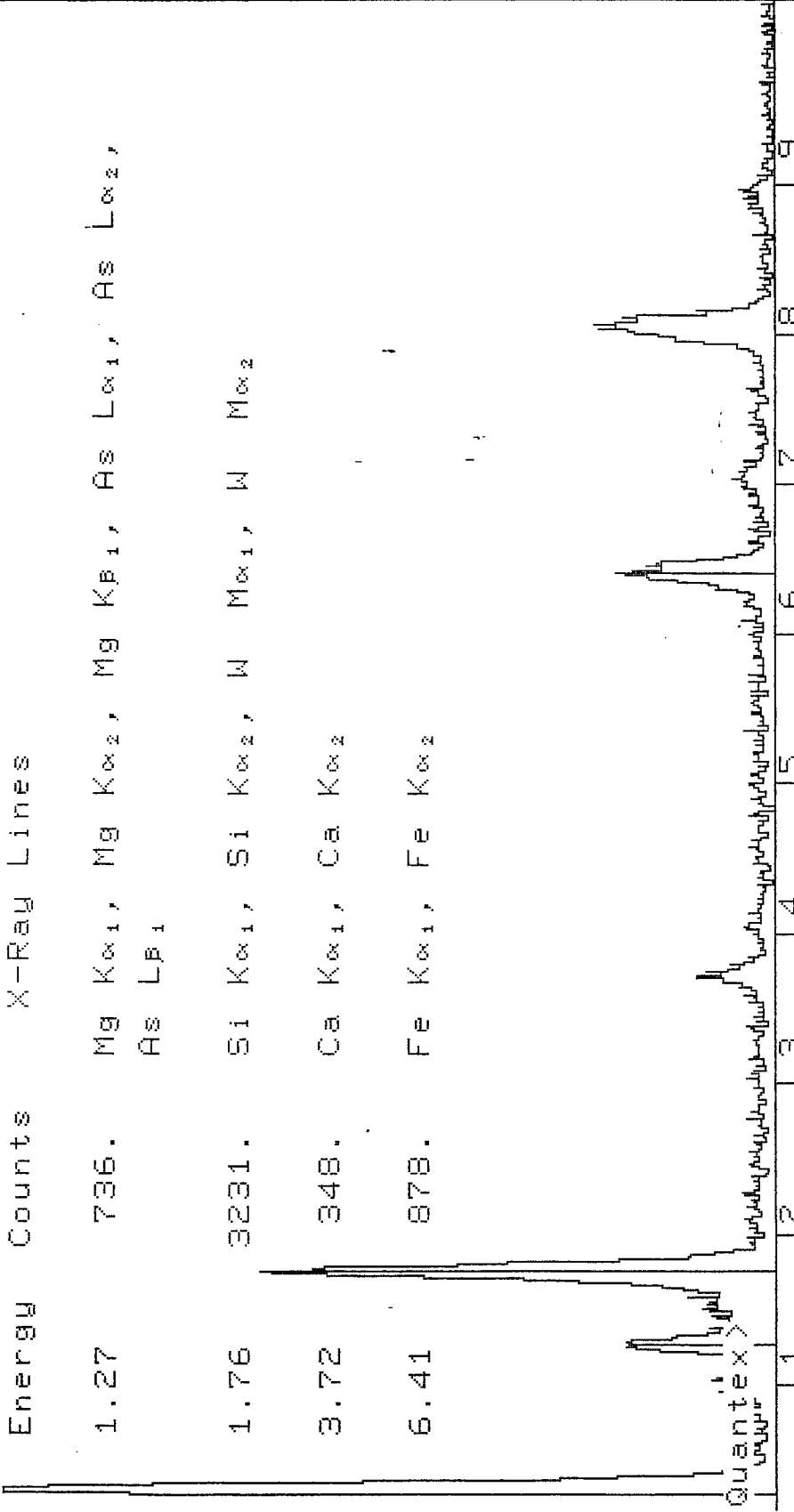
100 secs
52 secs

1.27 Mg K α_1 , Mg K α_2 , Mg K β_1 , As L α_1 , As L α_2 ,
As L β_1

1.76 Si K α_1 , Si K α_2 , W M α_1 , W M α_2

3.72 Ca K α_1 , Ca K α_2

6.41 Fe K α_1 , Fe K α_2



Deadtime = 17% Input Rate = 716 c/s Integral 0 = 10.230 19361

TEM ASBESTOS ANALYSIS

Client Environ. Int.
Sample No. NEA-3+2A

EMS Lab No. 82451
Page 4 of 1

RECEIVING

MICROSCOPE

- H600A - Serial No. 542-36-01
H600B - Serial No. 542-05-06
H600C - Serial No. 542-24-03

Grid Address C 999 X
Screen Magnification 291
Camera Constant 100 KV
Accelerating Voltage 10 µA
Beam Current 1.0
K-Factor 1.0
Analyst Rodriguez Date 11-2-02

ANALYSIS

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis					Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na		Mg	Si	Ca	Fe			
E26		N50																										
E23		N50																										
E26		N50																										
E23		N50																										
E26		N50																										
N3-3		N50																										
N3-6		N50																										
H2-3		N50																										
C-1		N50																										
C3-4		N50																										
E3-1		MD11		70	110																							
E3-4		TFE		1.5	110																						ED	
E3-4		N50																										
N3-1		N50																										
N3-4		N50																										

OBSERVATIONS:
Clean Debris
Gypsum
Condition of the Grid: Very Light Light Moderate Heavy Very Heavy
 Very Light Light Moderate Heavy Very Heavy
 Good Scrapy Undissolved Filter Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client ENVIRON STAT EMS Lab No. 82437
 Sample No. NEA-32A Page 2 of 2

RECEIVING

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address 949 X
 Screen Magnification 25x
 Camera Constant 100 KV
 Accelerating Voltage 1.9 μ A
 Beam Current 1.9
 K-Factor 1.9
 Analyst Rach Date 11-2-02

ANALYSIS

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADQ	AQ	ADQ	AZQ	AZQ		AZQ	Na	Mg	Si	Ca	Fe	
H3-1		N>D																									
H3-4		N>D																									
C5-3		N>D																									
C5-6		N>D																									
E3-3		N>D																									
E3-6		N>D																									
F3-3		N>D																									
F3-6		N>D																									
G3-3		N>D																									
G3-6		N>D																									
H3-3		N>D																									
H3-6		N>D																									
K3-3		N>D																									
K3-6		N>D																									
Q4-B		N>D																									

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Very Light
 Good
 Light
 Light
 Scrappy
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ Int EMS Lab No. 82457
 Sample No. NEA-3 (2A) Page 3 of 3

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address C440
 Screen Magnification 2000 X
 Camera Constant 100 KV
 Accelerating Voltage 10 μA
 Beam Current 1.0
 K-Factor 1.0
 Analyst Leah Date 11-2-02

Grid Opening	Structure Number	Structure	Dimensions (mm)			Fiber Classification										EDS Analysis					Comments							
			Width	Length		NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe		
C4-4		N>D																										
E4-		N>D																										
E4-4		N>D																										
E4-		N>D																										
E4-4		N>D																										
H4-1		N>D																										
H4-4		N>D																										
H4-1		N>D																										
H4-4		N>D																										
K4-1		N>D																										
K4-4		N>D																										
C4-3		N>D																										
C4-6		N>D																										
E4-3		N>D																										
E4-4		N>D																										

OBSERVATIONS:
 Clean Debris:
 Gypsum: Condition of the Grid:
 Very Light Light Moderate Very Heavy
 Very Light Light Moderate Very Heavy
 Good Scrapy Undissolved Filter Folded

TEM ASBESTOS ANALYSIS

Client Enviros. Int. EMS Lab No. 82057
 Sample No. NEA-3-2A Page 4 of

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 940 X
 Camera Constant 201.1
 Accelerating Voltage 10 100 KV
 Beam Current 1.4 μ A
 K-Factor
 Analyst Rachle Date 12-22-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
R4-3		N30																								
R4-6		N30																								
H4-3		N30																								
H4-6		N30																								
K4-3		N30																								
C5-1		N30																								
C5-4		N30																								
E5-1		N30																								
E5-4		N30																								
F5-1		N30																								
F5-4		N30																								
G5-1		N30																								
G5-4		N30																								

OBSERVATIONS:
 Clean Debris:
 Gypsum: Condition of the Grid:
 Very Light Good
 Very Light Light Scrapy
 Light Moderate
 Moderate Undissolved Filter
 Heavy Moderate
 Heavy Very Heavy
 Folded Very Heavy

TEM-1B (8-01)

TEM ASBESTOS ANALYSIS

Client ENVIRONMENTAL
 Sample No. NEA-3-2A

EMS Lab No. 8247
 Page 5 of 5

RECEIVING ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 940 X
 Camera Constant 3.17
 Accelerating Voltage 100 KV
 Beam Current 1.0 μA
 K-Factor 1.0
 Analyst Kenh Date 12-2-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
H5-1		N>D																								
H5-2		N>D																								
H5-3		N>D																								
H5-4		N>D																								
H5-5		N>D																								
H5-6		N>D																								
H5-7		N>D																								
H5-8		N>D																								
H5-9		N>D																								
H5-10		N>D																								
H5-11		N>D																								
H5-12		N>D																								
H5-13		N>D																								
H5-14		N>D																								
H5-15		N>D																								
H5-16		N>D																								
H5-17		N>D																								
H5-18		N>D																								
H5-19		N>D																								
H5-20		N>D																								

OBSERVATIONS:
 Clean Debris:
 Gypsum: Condition of the Grid:
 Very Light Light Moderate Very Heavy
 Very Light Light Moderate Heavy Very Heavy
 Good Scrapy Undissolved Filter Folded

2-Dec-2002 10:43:21

--WARNING--

02451-NEA-3,C,#01,RS

Verf= 500 counts

Disp= 1

Energy Counts X-Ray Lines

Preset= 100 secs

Elapsed= 21 secs

0.53	2194.	O K	O K	U L	U L	Cr L	Cr L	U L	U L	Cr L	Cr L	U L	U L	Cr L	Cr L	U L	U L
1.25	81.	Mg K	Mg K	Mg K	Mg K	As L	As L	As L	As L								
1.50	1181.	Al K	Al K	Al K													
1.76	2341.	Si K	Si K	Si K	Si K	W M	W M	W M	W M								
3.34	526.	K K	K K	K K													
6.40	131.	Fe K	Fe K	Fe K													

(Quantex)

0.000

Range=

10.230 keV

Integral 0 =

10.110

13568

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Int.
 Sample No. NEA-3-2A

EMS Lab No. 82451
 Page 1 of 5

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 2100 X
 Camera Constant 2859
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor SAW
 Analyst SAW Date 12/2/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe			
2-3	NSD																											
2-6	NSD																											
2-7	NSD																											
2-8	NSD																											
2-9	NSD																											
2-10	NSD																											
2-11	NSD																											
2-12	NSD																											
2-13	NSD																											
2-14	NSD																											
2-15	NSD																											
2-16	NSD																											
2-17	NSD																											
2-18	NSD																											
2-19	NSD																											
2-20	NSD																											
2-21	NSD																											
2-22	NSD																											
2-23	NSD																											
2-24	NSD																											
2-25	NSD																											
2-26	NSD																											
2-27	NSD																											
2-28	NSD																											
2-29	NSD																											
2-30	NSD																											
2-31	NSD																											
2-32	NSD																											
2-33	NSD																											

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Light
- Heavy
- Very Heavy
- Moderate
- Moderate
- Undissolved Filter
- Scrappy
- Good
- Very Light
- Light
- Heavy
- Very Heavy
- Folded

TEM ASBESTOS ANALYSIS

Client: Savilion, Inc.
 Sample No: NA-32A

EMS Lab No. 22457
 Page 2 of 5

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 9100 X
 Camera Constant 28-a
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 10
 Analyst: S. Ahmed Date 11/2/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
C3-4		N5D																								
C3-1		N5D																								
C3-4		N5D																								
C3-1		N5D																								
C3-4		N5D																								
C4-1		N5D																								
C4-2		N5D																								
C4-4		N5D																								
C4-1		N5D																								
C4-4		N5D																								
C4-1		N5D																								
C4-4		N5D																								
C4-1		N5D																								
C4-4		N5D																								
C4-1		N5D																								
C4-4		N5D																								
C4-1		N5D																								
C4-4		N5D																								

OBSERVATIONS:

Clean Debris: Very-Light Light Moderate Very Heavy
 Gypsum: Very Light Light Moderate Very Heavy
 Condition of the Grid: Good Undissolved Filter Heavy Heavy Very Heavy Scrapy Folded

TEM ASBESTOS ANALYSIS

Client: Environ. Int.
 Sample No: NEA-3ZA

EMS Lab No. 82457
 Page 3 of 5

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36501
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 9100 X
 Camera Constant 2880
 Accelerating Voltage 10 KV
 Beam Current 10 μA
 K-Factor 1
 Analyst: S. Ahmed Date: 7/2/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe		
KU-1	N5D																										
KU-3	N5D																										
HU-6	N5D																										
HU-3	N5D																										
CU-6	N5D																										
CU-3	N5D																										
CU-6	N5D																										
CU-3	N5D																										
CU-6	N5D																										
CU-3	N5D																										
BU-6	N5D																										
BU-3	N5D																										
B35-1	N5D																										

OBSERVATIONS:
 Clean Debris: Very Light Light Moderate Very Heavy
 Gypsum: Very Light Light Moderate Very Heavy
 Condition of the Grid: Good Scruppy Undissolved Filter Heavy Heavy Folded

TEM ASBESTOS ANALYSIS

Client: ENVIXION, INT.
 Sample No: NEA-32A

EMS Lab No. 82451
 Page 4 of 5

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 9100 X
 Camera Constant 28.8
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 8
 Analyst S. J. Amel Date 12/2/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
B5-4	NSD	NSD																								
B5-1	NSD	NSD																								
C5-4	NSD	NSD																								
C5-1	NSD	NSD																								
D5-4	NSD	NSD																								
D5-1	NSD	NSD																								
E5-4	NSD	NSD																								
E5-1	NSD	NSD																								
F5-4	NSD	NSD																								
F5-1	NSD	NSD																								
G5-4	NSD	NSD																								
G5-1	NSD	NSD																								
H5-4	NSD	NSD																								
H5-1	NSD	NSD																								
I5-4	NSD	NSD																								
I5-1	NSD	NSD																								
J5-4	NSD	NSD																								
J5-1	NSD	NSD																								
K5-4	NSD	NSD																								
K5-1	NSD	NSD																								
L5-4	NSD	NSD																								
L5-1	NSD	NSD																								
M5-4	NSD	NSD																								
M5-1	NSD	NSD																								
N5-4	NSD	NSD																								
N5-1	NSD	NSD																								
O5-4	NSD	NSD																								
O5-1	NSD	NSD																								
P5-4	NSD	NSD																								
P5-1	NSD	NSD																								
Q5-4	NSD	NSD																								
Q5-1	NSD	NSD																								
R5-4	NSD	NSD																								
R5-1	NSD	NSD																								
S5-4	NSD	NSD																								
S5-1	NSD	NSD																								
T5-4	NSD	NSD																								
T5-1	NSD	NSD																								
U5-4	NSD	NSD																								
U5-1	NSD	NSD																								
V5-4	NSD	NSD																								
V5-1	NSD	NSD																								
W5-4	NSD	NSD																								
W5-1	NSD	NSD																								
X5-4	NSD	NSD																								
X5-1	NSD	NSD																								
Y5-4	NSD	NSD																								
Y5-1	NSD	NSD																								
Z5-4	NSD	NSD																								
Z5-1	NSD	NSD																								

OBSERVATIONS:
 Clean Debris Gypsum
 Condition of the Grid: Very Light Light Moderate Undissolved Filter
 Very Heavy Heavy Moderate Heavy Moderate Very Heavy Heavy Moderate Undissolved Filter Very Heavy Heavy Moderate Undissolved Filter Very Heavy Heavy Moderate Undissolved Filter

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

Client: ENVIRON-INT.
 Sample No: NEA-32A

EMS Lab No. 82057
 Page 5 of 5

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 9100 X
 Camera Constant 2829
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 1.8
 Analyst S. Ahmed Date 12/2/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
<u>66-1</u>	<u>N5D</u>	<u>N5D</u>																								
<u>66-4</u>	<u>N5D</u>	<u>N5D</u>																								
<u>66-1</u>	<u>N5D</u>	<u>N5D</u>																								
<u>66-4</u>	<u>N5D</u>	<u>N5D</u>																								
<u>66-1</u>	<u>N5D</u>	<u>N5D</u>																								
<u>66-4</u>	<u>N5D</u>	<u>N5D</u>																								
<u>66-1</u>	<u>N5D</u>	<u>N5D</u>																								

OBSERVATIONS:

Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Very Light
 Good
 Light
 Light
 Scrapy

Moderate
 Moderate
 Undissolved Filter

Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ. Int.
 Sample No. NEA-32A

EMS Lab No. 82457
 Page 1 of 1

RECEIVING ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address F
 Screen Magnification 9400 X
 Camera Constant 841
 Accelerating Voltage 100 KV
 Beam Current 14 μ A
 K-Factor 14

Analyst Kadke Date 12-2-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
C2-3		N>D																								
C2-6		N>D																								
F2-3		N>D																								
F2-6		N>D																								
F2-3		N>D																								
F2-6		N>D																								
h2-3		N>D																								
h3-6		N>D																								
H2-3		N>D																								
C3-1		N>D																								
C3-4		N>D																								
F3-1		N>D																								
F3-4		N>D																								
F3-1		N>D																								
K3-4		N>D																								

OBSERVATIONS:
 Clean
 Debris
 Gypsum
 Condition of the Grid:

Very Light
 Light
 Moderate
 Undissolved Filter
 Heavy
 Very Heavy
 Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Enviro-Tec
 Sample No. NEA-3 Page 2 of 2

EMS Lab No. 82451

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address BE
 Screen Magnification 9400 X
 Camera Constant 20.1
 Accelerating Voltage 10 100 KV
 Beam Current 1.4 μA
 K-Factor 1.4
 Analyst Redha Date 12-2-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe			
G3-1		N>D																										
G3-4		N>D																										
H3-3		N>D																										
H3-4		N>D																										
C3-3		N>D																										
C3-6		N>D																										
F3-3		N>D																										
F3-6		N>D																										
F3-3		N>D																										
F3-6		N>D																										
H3-3		N>D																										
H3-6		N>D																										
K3-3		N>D																										

OBSERVATIONS:
 Clean Debris Gypsum Condition of the Grid:
 Very Light Light Moderate Very Heavy
 Very Light Light Moderate Very Heavy
 Good Scrapy Undissolved Filter Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client EnViron Inc.
 Sample No. NI-A-3 (2A)

EMS Lab No. 82451
 Page 3 of

RECEIVING ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address E
 Screen Magnification 900 X
 Camera Constant Beik
 Accelerating Voltage 100 KV
 Beam Current 1.0 μ A
 K-Factor 1.9
 Analyst Boch Date 12-2-a

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification												EDS Analysis				Comments					
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na		Mg	Si	Ca	Fe	
E4-1		N>D																								
E4-2		N>D																								
E4-3		N>D																								
E4-4		N>D																								
F4-1		N>D																								
F4-2		N>D																								
F4-3		N>D																								
F4-4		N>D																								
F4-5		N>D																								
F4-6		N>D																								
F4-7		N>D																								
F4-8		N>D																								

OBSERVATIONS:

Clean Debris: Moderate Very Heavy
 Gypsum: Moderate Heavy Very Heavy
 Condition of the Grid: Good Undissolved Filter Scruppy Folded

TEM ASBESTOS ANALYSIS

Client ENVIVA, Inc
 Sample No. NEA-3 (2A)

EMS Lab No. 0601 of
 Page 4

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address F
 Screen Magnification 81100 X
 Camera Constant 84.1
 Accelerating Voltage 100 KV
 Beam Current 1.9 μ A
 K-Factor

Analyst Roak Date 12-2-01

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis					Comments					
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na		Mg	Si	Ca	Fe	
64E3		N>D																								
44-6		N>D																								
44-3		N>D																								
44-6		N>D																								
44-3		N>D																								
45-4		N>D																								
45-4		N>D																								
45-4		N>D																								
45-4		N>D																								
45-4		N>D																								
45-3		N>D																								
45-6		N>D																								
45-3		N>D																								

OBSERVATIONS: Clean Debris: Gypsum: Condition of the Grid:

Very Light Moderate Heavy Very Heavy
 Very Light Moderate Heavy Very Heavy
 Good Undissolved Filter Scrapy Folded

TEM ASBESTOS ANALYSIS

Client Environ Inc
 Sample No. NEA-3-2A

Lab No. 8257
 Page 5 of

RECEIVING ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address E
 Screen Magnification 940 X
 Camera Constant 240
 Accelerating Voltage 100 KV
 Beam Current 1.0 μ A
 K-Factor
 Analyst Rachhe Date 12-2-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments									
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe			
WF-3		N>A																										
WS-6		N>A																										
HD-3		N>A																										
H26		N>A																										
R63		N>A																										
R64		N>A																										
M63		N>A																										

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Very Light
 Good
 Light
 Light
 Scrappy
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ Int. EMS Lab No. 82451
 Sample No. NEA-4 Page 3A of 8

RECEIVING

TYPE OF SAMPLE
 Air Water
 Soil Bulk
 Other

METHOD OF ANALYSIS
 EPA 600-4-83-013 ISO

LEVEL OF ANALYSIS
 Chrysotile CD-CD
 Amphibole AD-AD

ASPECT RATIO
 3:1 5:1

LENGTHS
 All Sizes (EPA)
 (µm) ≥ 0.5
 ≥ 1.0
 ≥ 5.0
 ≥ 10.0
 PCM Range*
 *_r ≥ 0.25 µm width
 ≥ 5.0 µm length)

FILTER TYPE / AREA (mm[±])
 MCE 385
 PC 314
 MCN 1017
 Other

PORE SIZE
 0.45 µm 0.8 µm
 0.1 µm 0.22 µm
 Other

G.O. Area (mm²) 0.0094
 No. of G.O. to Analyze 370
 Filter Lot No. _____

Approved By Rf Date 12-3-02

ANALYSIS

DIRECT PREP
 INDIRECT PREP

Volume _____ liters
 Working Volume 0.112 ml
 Weight 0.112 grams
 Ashed Area _____ %

Prepared By RS
 Date 12-3-02

PREP

Grid Opening	Structure Number	Structure
C2-3		N>D
C2-6		N>D
E2-3		N>D
E2-6		N>D
F2-3		N>D
F2-6		N>D
h2-3		N>D
h2-6		N>D
A2-3		N>D
B3-4		N>D
B3-7		N>D
B3-1		N>D
B3-4		N>D

Dimensions (mm)	
Width	Length

Fiber Classification														
NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ

EDS Analysis				
Na	Mg	Si	Ca	Fe

Comments	

OBSERVATIONS:
 Clean
 Debris
 Gypsum
 Condition of the Grid:

Very Light
 Light
 Moderate
 Heavy
 Very Heavy
 Clean
 Debris
 Gypsum
 Condition of the Grid:
 Undissolved Filter
 Moderate
 Moderate
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM - 1A (12-00)

TEM ASBESTOS ANALYSIS

Client Environ Int.
 Sample No. NEA-4 (3A)

EMS Lab No. 82451
 Page 2 of

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address A
 Screen Magnification 440 X
 Camera Constant 391
 Accelerating Voltage 10 KV
 Beam Current 1.4 μA
 K-Factor
 Analyst Leah Date 12-5-99

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe		
F3-1		N>D																									
F3-4		N>D																									
G3-1		N>D																									
G3-4		N>D																									
B3-6		N>D																									
C3-3		N>D																									
C3-6		N>D																									
E3-3		N>D																									
F3-6		N>D																									
F3-3		N>D																									
F3-3		B	10	70																							
F3-6		N>D																									
G3-3		N>D																									
G3-6		N>D																									
H3-3		N>D																									
I3-6		N>D																									

OBSERVATIONS:
 Clean Debris: Very Light Light Moderate Very Heavy
 Gypsum: Very Light Light Moderate Very Heavy
 Condition of the Grid: Good Undissolved Filter Heavy Heavy Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

Client Enviro Int EMS Lab No. 82451
 Sample No. NEA-4 Page 3 of 3

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address A
 Screen Magnification 940 X
 Camera Constant 125
 Accelerating Voltage 10 KV
 Beam Current 1.4 μ A
 K-Factor _____

Analyst Ranko Date 12-3-9

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
K3-3		N>D																								
K4-4		N>D																								
C4-1		N>D																								
C4-4		N>D																								
E4-		N>D																								
E4-4		N>D																								
F4-1		N>D																								
F4-4		N>D																								
H4-1		N>D																								
H4-4		N>D																								
H4-1		N>D																								
H4-4		N>D																								
K4-1		N>D																								
B4-6		N>D																								
C4-3		N>D																								

OBSERVATIONS:
 Clean Debris: Gypsum:
 Condition of the Grid: Very Light Light Moderate Undissolved Filter
 Heavy Heavy Folded
 Very Heavy Very Heavy

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ Int
 Sample No. NEA-4 (3A)

EMS Lab No. 82451
 Page 1 of 1

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address A
 Screen Magnification 9400 X
 Camera Constant Back
 Accelerating Voltage 10 100 KV
 Beam Current 1.4 μA
 K-Factor 1.4
 Analyst Booth Date 12-3-9

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
G46		N>D	1	55																						
F43		I=																								
E46		N>D																								
F43		N>D																								
F46		N>D																								
G43		N>D																								
G46		N>D																								
H43		N>D																								
H46		N>D																								
K43		N>D																								
L5-1		N>D																								
C54		N>D																								
E5-1		N>D																								
F54		N>D																								
F5-1		N>D																								

OBSERVATIONS:
 Clean Debris Gypsum
 Condition of the Grid: Very Light Very Light Good
 Light Light Scrappy
 Moderate Moderate Undissolved Filter
 Heavy Heavy Folded
 Very Heavy Very Heavy

TEM ASBESTOS ANALYSIS

Client: Environ Ind.
 Sample No. NEA-4-3A

EMS Lab No. 82451
 Page 5 of

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address A
 Screen Magnification 9000 X
 Camera Constant 25.1
 Accelerating Voltage 100 KV
 Beam Current 1.9 μ A
 K-Factor 1239
 Analyst Debra Date 12-3-94

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
FE-4		NSD																								
NS-1		NSD																								
NS-4		NSD																								
HS-1		NSD																								
HS-4		NSD																								
KS-1		NSD																								
CS-6		NSD																								
ES-3		NSD																								
ES-6		NSD																								
FS-3		NSD																								
FI-6		NSD																								
NJ-3		NSD																								
NS-4		NSD																								
HT-3		NSD																								
HS-6		NSD																								

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Very Light
 Good
 Light
 Light
 Scrappy
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

STEM - 1B (8-01)

3-Dec-2002 09:43:12
 92451, NEB-4, A, #02, RS
 Vert= 500 counts Disp= 1
 Energy Counts X-Ray Lines
 Present= Elapsed= 100 secs
 10 secs

Quantex	Range	10,230 keV	Integral @	10,110
0.54	537.	0 K " 0 K " 0 K "	0 L " 0 L " 0 L "	0 L " 0 L " 0 L "
		0 L " 0 L " 0 L "	0 L " 0 L " 0 L "	0 L " 0 L " 0 L "
		0 L " 0 L " 0 L "	0 L " 0 L " 0 L "	0 L " 0 L " 0 L "
1.29	417.	Mg K " Mg K " Mg K "	Mg K " Mg K " Mg K "	As L " As L " As L "
		As L		
1.77	465.	Si K " Si K " Si K "	W M " W M " W M "	

Integral @ = 113

3-Dec-2002 09:22:25
 92451, NEB-4, A, #01, RS
 Vert= 500 counts Disp= 1
 Energy Counts X-Ray Lines
 Present= Elapsed= 100 secs
 54 secs

Quantex	Range	10,230 keV	Integral @	10,110
0.53	2015.	0 K " 0 K " 0 K "	0 L " 0 L " 0 L "	0 L " 0 L " 0 L "
		0 L " 0 L " 0 L "	0 L " 0 L " 0 L "	0 L " 0 L " 0 L "
		0 L " 0 L " 0 L "	0 L " 0 L " 0 L "	0 L " 0 L " 0 L "
1.26	590.	Mg K " Mg K " Mg K "	Mg K " Mg K " Mg K "	As L " As L " As L "
		Al K " Al K "		
1.50	294.	Si K " Si K "	W M " W M "	
1.76	2534.	Si K " Si K " Si K "	W M " W M " W M "	

Integral @ = 457

--WARNING--

TEM ASBESTOS ANALYSIS

Client Environ Int.
 Sample No. NEA-4 (3A)

EMS Lab No. 8247
 Page 1 of

RECEIVING

ANALYSIS

MICROSCOPE*

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address A 200 X
 Screen Magnification 500
 Camera Constant 100 KV
 Accelerating Voltage 10
 Beam Current μ A
 K-Factor 1.4

Analyst Recher Date 12-3-00

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification												EDS Analysis				Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na		μ Mg	Si	Ca	Fe				
C2-3		N>D																											
C2-6		N>D																											
E2-3		N>D																											
E2-6		N>D																											
F2-3		N>D																											
F2-6		N>D																											
G2-3		N>D																											
G2-6		N>D																											
H2-3		N>D																											
B3-4		N>D																											
C3-1		N>D																											
C3-4		N>D																											
F3-1		N>D																											
F3-4		N>D																											
F3-1		N>D																											
F3-4		N>D																											

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Very Light
- Good
- Light
- Light
- Scrappy

- Moderate
- Moderate
- Undissolved Filter

- Heavy
- Heavy
- Folded
- Very Heavy
- Very Heavy



TEM - 1B (6-01)

TEM ASBESTOS ANALYSIS

Client Environmental
Sample No. NEA 41314

EMS Lab No. 82451
Page 2 of 2

RECEIVING ANALYSIS

MICROSCOPE
H600A - Serial No. 542-36-01
H600B - Serial No. 542-05-06
H600C - Serial No. 542-24-03

Grid Address B400
Screen Magnification 25.1 X
Camera Constant _____
Accelerating Voltage 100 KV
Beam Current 10 μ A
K-Factor 1-9
Analyst Pankaj Date 12-3-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe			
F3-4		N5D																										
B3-1		N5D																										
A3-4		N5D																										
H3-1		N5D																										
H3-4		N5D																										
B-6		N5D																										
C3-3		N5D																										
C3-6		N5D																										
F3-3		N5D																										
E3-6		N5D																										
F3-3		N5D																										
F3-6		N5D																										
B3-2		N5D																										
A3-6		N5D																										
H3-1		N5D																										

OBSERVATIONS:

Clean
Debris:
Gypsum:
Condition of the Grid:

Very Light
Very Light
Good
Light
Light
Scrappy
Moderate
Moderate
Undissolved Filter
Heavy
Heavy
Folded
Very Heavy
Very Heavy

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Int
Sample No. NEA-4 (3A)

EMS Lab No. 8257
Page 4 of

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address B 249 X
Screen Magnification 249
Camera Constant
Accelerating Voltage 10 100 KV
Beam Current
K-Factor 249/123 a
Analysis Red/C Date 12-3-91

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
E4-3		N5D																								
E4-6		N5D																								
E4-3		N5D																								
E4-6		N5D																								
F4-3		N5D																								
F4-6		N5D																								
G4-3		N5D																								
G4-6		N5D																								
H4-3		N5D																								
H4-6		N5D																								
K4-3		N5D																								
C5-1		N5D																								
C5-4		N5D																								
E5-1		N5D																								
E5-4		N5D																								

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Very Light
- Good
- Light
- Light
- Scrappy
- Moderate
- Moderate
- Undissolved Filter
- Heavy
- Heavy
- Folded
- Very Heavy
- Very Heavy

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ Int EMS Lab No. 8249
 Sample No. NEA-4 (3A) Page 5 of

RECEIVING ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address B 490
 Screen Magnification 2000 X
 Camera Constant 100 KV
 Accelerating Voltage 100 KV
 Beam Current 1.0 μA
 K-Factor
 Analyst Rath Date 12-3-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
F1		N>D																								
F2		N>D																								
F3		N>D																								
F4		N>D																								
F5		N>D																								
F6		N>D																								
F7		N>D																								
F8		N>D																								
F9		N>D																								
F10		N>D																								
F11		N>D																								
F12		N>D																								
F13		N>D																								
F14		N>D																								
F15		N>D																								
F16		N>D																								
F17		N>D																								
F18		N>D																								
F19		N>D																								
F20		N>D																								
F21		N>D																								
F22		N>D																								
F23		N>D																								
F24		N>D																								
F25		N>D																								
F26		N>D																								
F27		N>D																								
F28		N>D																								
F29		N>D																								
F30		N>D																								
F31		N>D																								
F32		N>D																								
F33		N>D																								
F34		N>D																								
F35		N>D																								
F36		N>D																								
F37		N>D																								
F38		N>D																								
F39		N>D																								
F40		N>D																								
F41		N>D																								
F42		N>D																								
F43		N>D																								
F44		N>D																								
F45		N>D																								
F46		N>D																								
F47		N>D																								
F48		N>D																								
F49		N>D																								
F50		N>D																								

OBSERVATIONS:
 Clean Debris: Very Light Light Moderate Very Heavy
 Gypsum: Very Light Light Moderate Very Heavy
 Condition of the Grid: Good Scruppy Undissolved Filter Folded

TEM - 1B (8-01)

03-Dec-1902 11:00:32

82451, NEA-4, B, #01, RS

ENERGY	COUNTS	X-RAY LINES
0.53	4055.	O KA1, O KA2, V LA1, Cr LA1, V LA2, Cr LA2, V LB1, V LB2, Cr LL1, Cr LN
1.27	1236.	Mg KA1, Mg KA2, Mg KB1, As LA1, As LA2, As LB1
1.50	171.	Al KA1, Al KA2
1.76	5165.	Si KA1, Si KA2, W MA1, W MA2
2.83	63.	Pd LA1, Pd LA2
3.31	160.	K KA1, K KA2, In LA1, In LA2, Pd LB1
3.71	945.	Ca KA1, Ca KA2, In LB2
4.02	77.	Ca KB1, Ca KB3
6.41	797.	Fe KA1, Fe KA2
7.06	70.	Fe KB1, Fe KB3

TEM ASBESTOS ANALYSIS

Client Ehviyan Int.
 Sample No. NEA-4 (3A)

EMS Lab No. 82451
 Page 1 of 5

RECEIVING ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 9100 X
 Camera Constant 78.4
 Accelerating Voltage 100 KV
 Beam Current 18 μ A
 K-Factor 1.8
 Analyst S Ahmed Date 12/3/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
C6-1	N5D																									
C6-4	N5D																									
F6-1	N5D																									
F6-4	N5D																									
F6-1	N5D																									
F6-4	N5D																									
G6-1	N5D																									
G6-4	N5D																									
H6-1	N5D																									
H5-6	N5D																									
H5-3	N5D																									
H5-6	N5D																									
H5-3	N5D																									
J5-6	N5D																									
J5-3	N5D																									
K5-6	N5D																									
K5-3	N5D																									

OBSERVATIONS:

- Clean
- Debris: Very Light Light Moderate Very Heavy
- Gypsum: Very Light Light Moderate Very Heavy
- Condition of the Grid: Good Scruppy Undissolved Filter Folded

TEM ASBESTOS ANALYSIS

Client Environ. Int.
 Sample No NEA-4 3A

EMS Lab No. 82451
 Page 2 of 5

RECEIVING

ANALYSIS

MICROSCOPE,

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 9100 X
 Camera Constant 28.29
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 1.8
 Analyst S. Ahmed Date 12/3/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe
B5-6	1	F	1.5	62																3	10	2	1		Small Al, rounded [Micro] #17163
B5-1	NSD																								
B5-4	NSD																								
C5-1	NSD																								
C5-4	NSD																								
E5-1	NSD																								
E5-4	NSD																								
F5-1	NSD																								
F5-4	NSD																								
G5-1	NSD																								
G5-4	NSD																								
H5-1	NSD																								
H5-4	NSD																								
I5-1	NSD																								
KU-6	NSD																								

OBSERVATIONS:
 Clean Debris: Very Light Moderate Very Heavy
 Gypsum: Very Light Moderate Heavy Very Heavy
 Condition of the Grid: Good Undissolved Filter Heavy Folded

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client: ENVIRON Int EMS Lab No. 82451
 Sample No: WEA-4 (3A) Page 3 of 5

MICROSCOPE:

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 9100 X
 Camera Constant 288-4
 Accelerating Voltage 100 KV
 Beam Current 1.8 10 μ A
 K-Factor SAhmed
 Analyst SAhmed Date 12/3/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
KU-3	NSD																									
HU-6	NSD																									
HU-3	NSD																									
CM-6	NSD																									
CM-3	NSD																									
FU-6	NSD																									
FU-3	NSD																									
EM-6	NSD																									
EM-3	NSD																									
CM-6	NSD																									
CM-3	NSD																									
AM-6	NSD																									
BU-1	NSD																									

OBSERVATIONS:
 Clean Debris: Very Light Light Moderate Very Heavy
 Gypsum: Very Light Light Moderate Very Heavy
 Condition of the Grid: Good Scrapy Undissolved Filter Heavy Heavy Very Heavy Folded

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client CAVIRON INT - NEA-43A
 Sample No NEA-43A

EMS Lab No. 8245
 Page 5 of 5

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 9100 X
 Camera Constant 28.9
 Accelerating Voltage 100 KV
 Beam Current 118 μ A
 K-Factor 118
 Analyst S Ahmed Date 12/3/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
F3-B		NSD																								
A3-6		NSD																								
E3-3		NSD																								
C3-6		NSD																								
C3-B		NSD																								
B3-6		NSD																								
B3-3		NSD																								
B3-4		NSD																								
C3-1		NSD																								
E3-1		NSD																								
E3-4		NSD																								
E3-1		NSD																								
E3-4		NSD																								
A3-1		NSD																								
A3-4		NSD																								

OBSERVATIONS:
 Clean Debris: Very Light Light Moderate Very Heavy
 Gypsum: Very Light Light Moderate Very Heavy
 Condition of the Grid: Good Scrapy Undissolved Filter Heavy Folded

-WARNING-

3-Dec-2002 11:44:56

82451-NER-4,C,M01,SA

Verf= 200 counts Disp= 1

Energy Counts X-Ray Lines

Present= 100 secs
Elapsed= 49 secs

1.27 354. Mg K , Mg K , Mg K , As L , As L ,

1.76 1191. Si K , Si K , W M , W M ,

3.72 202. Ca K , Ca K

6.42 182. Fe K , Fe K

8.05 729. Cu K , Cu K

(Quantex)

0.160 Range= 10.230 keV

Integral 0 = 10.230
270

TEM ASBESTOS ANALYSIS

RECEIVING

Client Enviya Inc
 Sample No. NEA-43A

EMS Lab No. 82451
 Page 1 of

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 9000 X
 Camera Constant Exp-1
 Accelerating Voltage 100 KV
 Beam Current 1.0 μ A
 K-Factor 1.4
 Analyst Leola Date 12-3-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
C2-3		N>D																								
C2-6		N>D																								
E2-3		N>D																								
E2-6		N>D																								
F2-3		N>D																								
F2-6		N>D																								
G2-3		N>D																								
G2-6		N>D																								
H2-3		N>D																								
C3-1		N>D																								
C3-4		N>D																								
E3-1		N>D																								
E3-4		N>D																								
F3-1		N>D																								
F3-4		N>D																								

OBSERVATIONS:
 Clean Debris:
 Gypsum: Condition of the Grid:
 Very Light Very Light Good
 Light Light Scrappy
 Moderate Moderate Undissolved Filter
 Heavy Heavy Folded
 Very Heavy Very Heavy

TEM - 18 (8-01)

Client Environ Int
Sample No. NEA-43A

EMS Lab No. 82451
Page 2 of

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address D 210 X
 Screen Magnification 500x
 Camera Constant 100
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor

Analyst Redk. Date 12-3-00

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADQ	AQ	ADQ	AZQ	AZQ		Na	Mg	Si	Ca	Fe			
N3-1		N30																										
N3-4		N30																										
N3-1		N30																										
N3-3		N30																										
N3-6		N30																										
F3-3		N30																										
E3-6		N30																										
F3-3		N30																										
F3-6		N30																										
G3-3		N30																										
N3-6		N30																										
F3-7		F																										
H3-6		N30																										
K3-3		N30																										
G4-1		N30																										

TEM - 1B (8-01)

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Very Light
- Good
- Light
- Light
- Scrapy
- Moderate
- Moderate
- Undissolved Filter
- Heavy
- Heavy
- Folded
- Very Heavy
- Very Heavy

TEM ASBESTOS ANALYSIS

Client Frivon Inc.
 Sample No. NEA-3A

EMS Lab No. 82451
 Page 3 of

RECEIVING ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 900 X
 Camera Constant 29.1
 Accelerating Voltage 100 KV
 Beam Current 1.0 μ A
 K-Factor 1.4
 Analyst Red Date 10-3-01

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification												EDS Analysis				Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na		Mg	Si	Ca	Fe		
C4-0		N50																									
F4-1		N50																									
F4-4		N50																									
F4-1		N50																									
F4-4		N50																									
44-1		N50																									
44-4		N50																									
H4-1		N50																									
H4-4		N50																									
K4-1		N50																									
C4-3		N50																									
C4-6		F	5	60*																							
F4-3		N50																									
F4-0		N50																									
F4-3		N50																									

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Light
- Scrappy
- Very Heavy
- Heavy
- Folded
- Moderate
- Moderate Filter
- Undissolved Filter

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Envikey Int.
 Sample No. NEA-4 319

EMS Lab No. 82451
 Page 4 of

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 900 X
 Camera Constant 2.5
 Accelerating Voltage 10 KV
 Beam Current 1.4 μ A
 K-Factor
 Analyst Wolke Date 12-20-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
F40		NSD																								
44-3		NSD																								
648		NSD																								
144-3		NSD																								
148		NSD																								
144-3		NSD																								
65-1		NSD																								
65-4		NSD																								
EE1		NSD																								
EE4		NSD																								
FE1		NSD																								
FE4		NSD																								
W-1		NSD																								
W-4		NSD																								
AT1		NSD																								

OBSERVATIONS:
 Clean Debris:
 Gypsum: Condition of the Grid:
 Very Light Light Moderate Very Heavy
 Very Light Light Moderate Heavy
 Good Scrapy Undissolved Filter Heavy Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ Int EMS Lab No. 82451
 Sample No. NEA-9 3A Page 5 of

RECEIVING ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 2500 X
 Camera Constant 25.4
 Accelerating Voltage 100 KV
 Beam Current 10 μA
 K-Factor 1.0

Analyst Leah Date 12-3-00

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification												EDS Analysis					Comments			
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na	Mg		Si	Ca	Fe
CS-3		NSD																							
CS-6		NSD																							
ES-3		NSD																							
ES-6		NSD																							
ES-3		NSD																							
ET-6		NSD																							
EW-3		NSD																							
EW-6		NSD																							
HW-3		NSD																							
HW-6		NSD																							
EW-6		NSD																							
EW-1		NSD																							
EW-4		NSD																							
EW-7		NSD																							
EW-4		NSD																							

OBSERVATIONS:
 Clean Debris:
 Gypsum:
 Condition of the Grid: Very Light Light Moderate Heavy Very Heavy

Very Light Light Moderate Heavy Very Heavy

Very Light Light Moderate Heavy Very Heavy

Very Light Light Moderate Heavy Very Heavy

Very Light Light Moderate Heavy Very Heavy

Very Light Light Moderate Heavy Very Heavy

TEM-1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Int.
 Sample No. NEA-U 3A

EMS Lab No 82451
 Page 1 of 5

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address E
 Screen Magnification 9100 X
 Camera Constant 28-U
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor SAHmed
 Analyst SAHmed Date 12/3/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe
<u>G6-4</u>	<u>NSD</u>	<u>NSD</u>																							
<u>H6-1</u>	<u>NSD</u>	<u>NSD</u>																							
<u>L6-U</u>	<u>NSD</u>	<u>NSD</u>																							
<u>L6-1</u>	<u>NSD</u>	<u>NSD</u>																							
<u>L6-U</u>	<u>NSD</u>	<u>NSD</u>																							
<u>G6-1</u>	<u>NSD</u>	<u>NSD</u>																							
<u>G6-U</u>	<u>NSD</u>	<u>NSD</u>																							
<u>H6-1</u>	<u>NSD</u>	<u>NSD</u>																							
<u>H5-6</u>	<u>NSD</u>	<u>NSD</u>																							
<u>H5-3</u>	<u>NSD</u>	<u>NSD</u>																							
<u>H5-4</u>	<u>NSD</u>	<u>NSD</u>																							
<u>H5-5</u>	<u>NSD</u>	<u>NSD</u>																							
<u>H5-6</u>	<u>NSD</u>	<u>NSD</u>																							
<u>H5-3</u>	<u>NSD</u>	<u>NSD</u>																							
<u>H6-1</u>	<u>NSD</u>	<u>NSD</u>																							

Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Very Light
 Good

Light
 Light
 Scrappy

Moderate
 Moderate
 Undissolved Filter

Heavy
 Heavy
 Folded

Very Heavy
 Very Heavy

OBSERVATIONS:

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client: Environ. Int.
 Sample No: NEA4 3A

EMS Lab No. 82451
 Page 2 of 5

- MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address: E 7100
 Screen Magnification: X
 Camera Constant: 285.9
 Accelerating Voltage: 100 KV
 Beam Current: 10 μ A
 K-Factor: 1.0
 Analyst: S. Ahmed Date: 12/3/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification												EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na	Mg		Si	Ca	Fe			
35-3	N5D																											
35-6	N5D																											
35-3	N5D																											
35-6	N5D																											
35-1	N5D																											
35-1	N5D																											
35-1	N5D																											
35-1	N5D																											
35-1	N5D																											
35-1	N5D																											
35-1	N5D																											
35-1	N5D																											
35-1	N5D																											
35-1	N5D																											
35-1	N5D																											
35-1	N5D																											
35-1	N5D																											
35-1	N5D																											
35-1	N5D																											
35-1	N5D																											
35-1	N5D																											
35-1	N5D																											
35-1	N5D																											
35-1	N5D																											

OBSERVATIONS:
 Clean
 Debris: Very Light Light Moderate Very Heavy
 Gypsum: Very Light Light Moderate Very Heavy
 Condition of the Grid: Good Undissolved Filter Scrappy Folded

TEM-18 (8-01)

TEM ASBESTOS ANALYSIS

Client: ENVIRON Int.
 Sample No. NGA4-3A

EMS Lab No. 8251
 Page 5 of 5

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address: E 9100 X
 Screen Magnification: 2854
 Camera Constant: 100 KV
 Accelerating Voltage: 15 KV
 Beam Current: 10 μ A
 K-Factor: S Ahmed
 Date: 12/3/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
K5-1	N5D																									
K5-3	N5D																									
K5-1	N5D																									
K5-4	N5D																									
K5-1	N5D																									
K5-4	N5D																									
K5-1	N5D																									
K5-4	N5D																									
K5-1	N5D																									
K5-4	N5D																									
K5-1	N5D																									
K5-4	N5D																									
K5-1	N5D																									
K5-4	N5D																									

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Light
- Light
- Scrappy
- Very Light
- Very Light
- Good

- Moderate
- Moderate
- Undissolved Filter

- Heavy
- Heavy
- Folded
- Very Heavy
- Very Heavy

TEM - 1B (8-01)



TEM ASBESTOS ANALYSIS

RECEIVING

Client Environ Int
 Sample No NE-43A

EMS Lab No. 2251
 Page 1 of 5

ANALYSIS

MICROSCOPE

H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address E
 Screen Magnification 2100 X
 Camera Constant 48.9
 Accelerating Voltage 100 KV
 Beam Current 10 μA
 K-Factor 1.8
 Analyst SAUND Date 12/3/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
<u>UW-3</u>	<u>NSD</u>																									
<u>UW-6</u>	<u>NSD</u>																									
<u>UW-3</u>	<u>NSD</u>																									
<u>UW-6</u>	<u>NSD</u>																									
<u>UW-3</u>	<u>NSD</u>																									
<u>UW-6</u>	<u>NSD</u>																									
<u>UW-3</u>	<u>NSD</u>																									
<u>UW-6</u>	<u>NSD</u>																									
<u>UW-3</u>	<u>NSD</u>																									
<u>UW-6</u>	<u>NSD</u>																									
<u>UW-3</u>	<u>NSD</u>																									
<u>UW-6</u>	<u>NSD</u>																									
<u>UW-3</u>	<u>NSD</u>																									
<u>UW-6</u>	<u>NSD</u>																									
<u>UW-3</u>	<u>NSD</u>																									
<u>UW-6</u>	<u>NSD</u>																									
<u>UW-3</u>	<u>NSD</u>																									
<u>UW-6</u>	<u>NSD</u>																									

OBSERVATIONS:

Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Light
 Moderate
 Undissolved Filter

Heavy
 Heavy
 Folded

Moderate
 Moderate
 Undissolved Filter

Very Heavy
 Very Heavy

TEM ASBESTOS ANALYSIS

Client ENVIRONMENT INT.
 Sample No. NEA-43A

EMS Lab No. 82201
 Page 5 of 5

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address FFCD X
 Screen Magnification 2800
 Camera Constant _____
 Accelerating Voltage 100 KV
 Beam Current _____ μ A
 K-Factor 10
 Analyst S. Ahmed Date 12/3/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification												EDS Analysis				Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na		Mg	Si	Ca	Fe		
0336	N5D																										
0337	N5D																										
0338	N5D																										
0339	N5D																										
0340	N5D																										
0341	N5D																										
0342	N5D																										
0343	N5D																										
0344	N5D																										
0345	N5D																										
0346	N5D																										
0347	N5D																										
0348	N5D																										
0349	N5D																										
0350	N5D																										
0351	N5D																										
0352	N5D																										
0353	N5D																										
0354	N5D																										
0355	N5D																										
0356	N5D																										
0357	N5D																										
0358	N5D																										
0359	N5D																										
0360	N5D																										
0361	N5D																										
0362	N5D																										
0363	N5D																										

- OBSERVATIONS:**
- Clean
 - Debris
 - Gypsum
 - Condition of the Grid: Very Light Light Moderate Heavy Very Heavy
 - Very Light Light Moderate Heavy Very Heavy
 - Good Undissolved Filter Folded
 - Scrapy

TEM ASBESTOS ANALYSIS

Client EnViro Int.
Sample No. SEA-1 LIA

EMS Lab No. 82457
Page 1 of 1

RECEIVING

ANALYSIS

PREP

MICROSCOPE

TYPE OF SAMPLE
 Air Water
 Soil Bulk
 Other _____

METHOD OF ANALYSIS
 EPA 600/4-83-043 ISO

LEVEL OF ANALYSIS
 Chrysotile CD-CD
 Amphibole AD-AD

ASPECT RATIO
 3:1 5:1

FILTER TYPE / AREA (mm²)
 MCE 385
 PC 314
 MCN 1017
 Other _____

PORE SIZE
 0.45 μ m 0.8 μ m
 0.1 μ m 0.22 μ m
 Other _____

LENGTHS
 All Sizes (EPA)
 (μ m) \geq 0.5
 \geq 1.0
 \geq 5.0
 \geq 10.0
 PCM Range*
 * \geq 0.25 μ m width
 \geq 5.0 μ m length)

DIRECT PREP
INDIRECT PREP

ANALYSIS

Grid Address A440
 Screen Magnification 24x
 Camera Constant 100 KV
 Accelerating Voltage 10 μ A
 Beam Current 1.0
 K-Factor _____

Prepared By Re Date 12-4-02
 Date 12-4-02

Volume _____ liters
 Working Volume _____ ml
 Weight 0.124 grams
 Ashed Area _____ %

G.O. Area (mm²) 0.0099
 No. of G.O. to Analyze 340
 Filter Lot No. _____

Approved By Re Date 12-4-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
E2-6		N2D																								
E2-5		N2D																								
E2-6		N2D																								
F2-3		N2D																								
F2-6		N2D																								
G2-3		N2D																								
G2-6		N2D																								
H2-3		N2D																								
F3-1		N2D																								
F3-4		N2D																								
F3-1		N2D																								
F3-4		N2D																								
L3-1		N2D																								
B3-1		N2D																								
B3-6		N2D																								

OBSERVATIONS:
 Clean
 Debris: Very Light
 Gypsum: Very Light
 Condition of the Grid: Good

Light
 Light
 Scrapy
 Moderate
 Moderate
 Undissolved Filter

Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy



EMS LABORATORIES

117 West Levee Drive • Pasadena, California 91105-2503 • (626) 5...-4065

TEM ASBESTOS ANALYSIS

Client Environ Int
 Sample No. SEA-1 (4A)

EMS Lab No. 8245
 Page 2 of

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address A
 Screen Magnification 1000 X
 Camera Constant 199.8
 Accelerating Voltage 100 KV
 Beam Current 1.0 μ A
 K-Factor
 Analyst Kedh Date 12-4-74

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
C3-3		N>D																								
C3-4		N>D																								
F3-3		N>D																								
F3-6		N>D																								
F3-3		N>D																								
F3-6		N>D																								
A3-3		N>D																								
G3-6		N>D																								
H3-3		N>D																								
H3-6		N>D																								
K3-3		N>D																								
Y4-4		N>D																								
C4-1		N>D																								
C4-0		N>D																								
E4-1		N>D																								

OBSERVATIONS:
 Clean Debris:
 Gypsum: Condition of the Grid:
 Very Light Light Moderate Very Heavy
 Very Light Light Moderate Heavy Very Heavy
 Good Scrapy Undissolved Filter Folded

TEM - 18 (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

Client Environ. Int.
 Sample No. SEA-147

EMS Lab No. 82457
 Page 3 of

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address A
 Screen Magnification 940 X
 Camera Constant 267
 Accelerating Voltage 100 KV
 Beam Current 1.0 μ A
 K-Factor

Analyst Reilly Date 12-1-02

Grid Opening	Structure Number	Structure	Dimensions (mm)			Fiber Classification											EDS Analysis				Comments							
			Width	Length		NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe		
B4-4		N>D																										
F4-4		N>D																										
h4-		N>D																										
G4-4		N>D																										
H4-		N>D																										
H4-0		N>D																										
B4-4		MD11	55-	75-																								
K4-4		MF	1.5-	65																								
B4-6		N>D																										
G4-3		N>D																										
G4-6		N>D																										
B4-3		N>D																										
F4-6		N>D																										
F4-3		N>D																										
F4-6		N>D																										

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Very Light
 Good
 Light
 Light
 Scrappy
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Data EMS Lab No. 82451
 Sample No. SEA-14A Page 4 of

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address A
 Screen Magnification 940 X
 Camera Constant Rev. 1
 Accelerating Voltage 100 KV
 Beam Current 1.0 μ A
 K-Factor

Analyst Rodney Date 12-4-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
64-3		N2D																								
64-6		N2D																								
H4-3		N2D																								
H4-6		N2D																								
K4-3		N2D																								
K4-6		N2D																								
C5-1		N2D																								
C5-4		N2D																								
E5-1		N2D																								
E5-4		N2D																								
F5-1		N2D																								
F5-4		N2D																								
G5-1		N2D																								
G5-4		N2D																								
H5-1		N2D																								

OBSERVATIONS:
 Clean Debris:
 Gypsum: Condition of the Grid:
 Very Light Light Moderate Very Heavy
 Very Light Light Moderate Very Heavy
 Good Scrapy Undissolved Filter Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

Client Environmental EMS Lab No. 82451
 Sample No. SENT-1700 Page 5 of 5

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address A
 Screen Magnification 9400 X
 Camera Constant 29.1
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 1.2

Analyst Redh Date 12-4-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis					Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZQ	AZQ		Na	Mg	Si	Ca	Fe		
C5E		N30																										
E5E3		N30																										
F56		N30																										
G6-4		N30																										
H6-1		N30																										
I6-4		N30																										
J56		N30																										

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Very Light
- Good
- Light
- Light
- Scrappy
- Moderate
- Moderate
- Undissolved Filter
- Heavy
- Heavy
- Folded
- Very Heavy
- Very Heavy

TEM - 1B (8-01)

4-Dec-2002 13:29:17

82451, SEA-1-4A, #01, RS

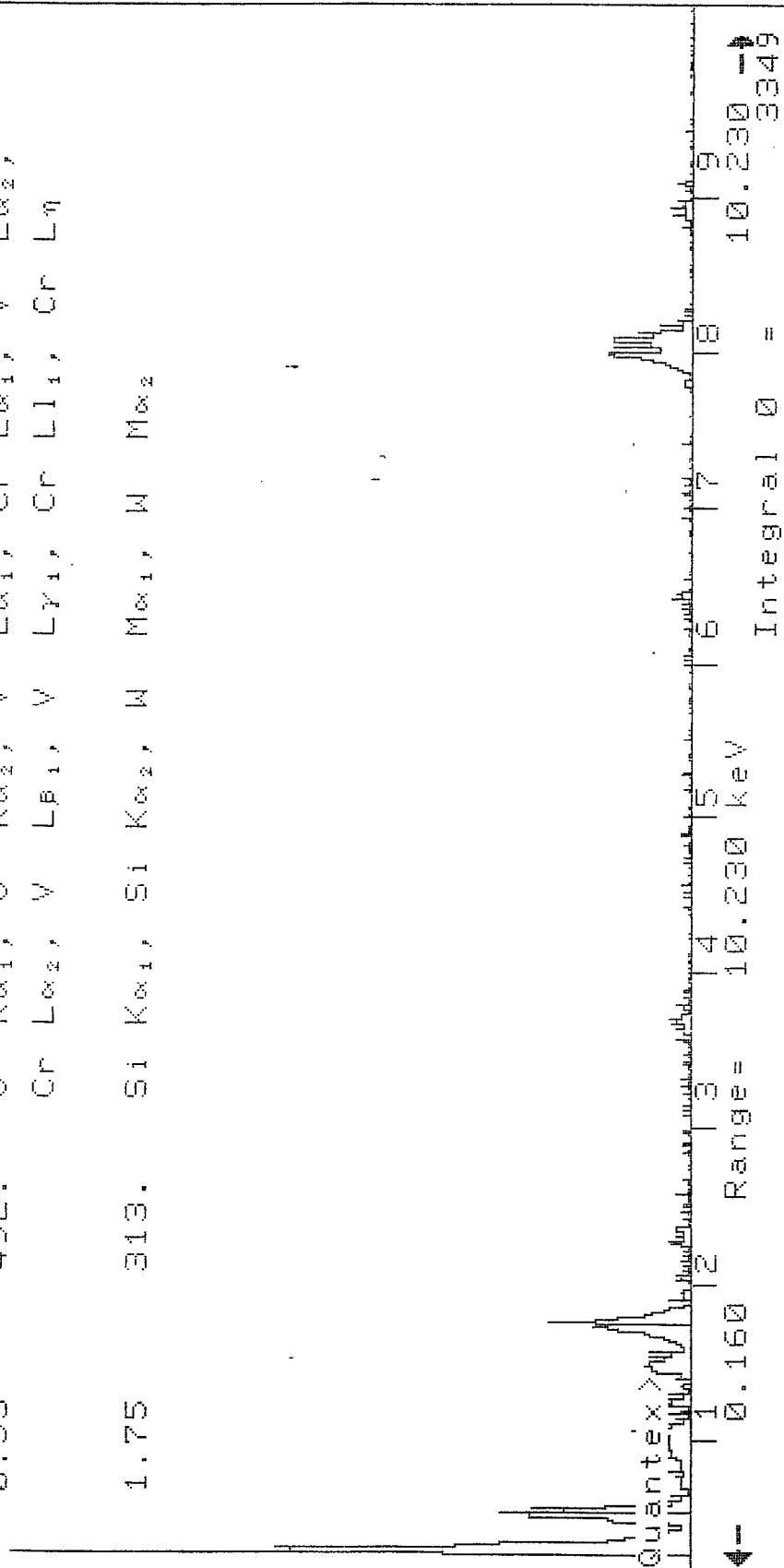
Vert= 200 counts Disp= 1

Energy Counts X-Ray Lines

Preset= Elapsed=

100 secs
65 secs

0.53	492.	O	K α_1 , O	K α_2 , V	L α_1 , Cr	L α_1 , V	L α_2 , Cr	L α_2 , V
1.75	313.	Si	K α_1 , Si	K α_2 , W	M α_1 , W	M α_2 , W		



← 0.160 Range= 10.230 keV
Integral 0 = 3349

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Int.
Sample No. SEA-1 GA

EMS Lab No. 82457
Page 1 of 5

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address B
Screen Magnification 9100 X
Camera Constant 25.4
Accelerating Voltage 100 KV
Beam Current 1.8 μ A
K-Factor 1.8

Analyst Shmed Date 12/4/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe		
B26	N5D																										
B27	N5D																										
B28	N5D																										
B29	N5D																										
B30	N5D																										
B31	N5D																										
B32	N5D																										
B33	N5D																										
B34	N5D																										
B35	N5D																										
B36	N5D																										
B37	N5D																										
B38	N5D																										

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Light
- Moderate
- Undissolved Filter
- Heavy
- Heavy
- Folded
- Very Heavy
- Very Heavy



TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Int.
 Sample No. SEA-14A

EMS Lab No. 82451
 Page 2 of 5

MICROSCOPE

H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address B
 Screen Magnification 2500 X
 Camera Constant 28.9
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 1870
 Analyst S. Hines Date 12/4/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
03-1	N5D																									
03-2	N5D																									
03-3	N5D																									
03-4	N5D																									
03-5	N5D																									
03-6	N5D																									
03-7	N5D																									
03-8	N5D																									
03-9	N5D																									
03-10	N5D																									
03-11	N5D																									
03-12	N5D																									
03-13	N5D																									
03-14	N5D																									
03-15	N5D																									
03-16	N5D																									

OBSERVATIONS: Clean Debris: Gypsum: Condition of the Grid: Very Light Light Moderate Undissolved Filter Very Heavy Heavy Folded

TEM ASBESTOS ANALYSIS

Client Environ Int
 Sample No. SEA-14A

EMS Lab No. 82451
 Page 3 of 5

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

ANALYSIS

RECEIVING

Grid Address B
 Screen Magnification 5000 X
 Camera Constant 289
 Accelerating Voltage 100 KV
 Beam Current 7.40 μ A
 K-Factor SA
 Analyst SA Date 12/14

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments					
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe
233	NSD																								
234	NSD																								
235	NSD																								
236	NSD																								
237	NSD																								
238	NSD																								
239	NSD																								
240	NSD																								
241	NSD																								
242	NSD																								
243	NSD																								
244	NSD																								
245	NSD																								
246	NSD																								
247	NSD																								
248	NSD																								
249	NSD																								
250	NSD																								

OBSERVATIONS:
 Clean Debris Gypsum Condition of the Grid
 Very Light Light Moderate Very Heavy
 Very Light Light Moderate Heavy
 Good Scrapy Undissolved Filter Folded

TEM ASBESTOS ANALYSIS

RECEIVING

Client ENVIRON. INT. EMS Lab No. 82451
 Sample No. SEA-7 of 5 Page 4

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

ANALYSIS

Grid Address B
 Screen Magnification 9100 X
 Camera Constant 28-4
 Accelerating Voltage 100 KV
 Beam Current 10 μA
 K-Factor 1.8

Analysis Date 12/24/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe		
B4-1	N5D																										
B4-4	N5D																										
B4-7	N5D																										
B4-8	N5D																										
B5-1	N5D																										
B5-4	N5D																										
B5-7	N5D																										
B5-8	N5D																										
B5-9	N5D																										
B5-11	N5D																										
B5-14	N5D																										
B5-17	N5D																										
B5-19	N5D																										
B5-21	N5D																										

OBSERVATIONS:
 Clean Debris: Very Light Light Moderate Very Heavy
 Gypsum: Very Light Light Moderate Very Heavy
 Condition of the Grid: Good Undissolved Filter Heavy Heavy Very Heavy Scrapy Folded

TEM ASBESTOS ANALYSIS

RECEIVING

TEM - 1B (8-01)

Client ENVIRON-INT
Sample No. SEA-1-CIA

EMS Lab No. 822401
Page 5 of 5

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address 9800 X
 Screen Magnification 9800
 Camera Constant 10 100 KV
 Accelerating Voltage 10
 Beam Current 10 μ A
 K-Factor 10
 Analyst SPH Date 12/4/02

Grid Opening	Structure Number	Structure	Dimensions (mm)	
			Width	Length
95-Y	NSD			
95-Y	NSD			
95-Y	NSD			
95-Y	NSD			
96-Y	NSD			
96-Y	NSD			
96-Y	NSD			
96-Y	NSD			

Fiber Classification														
NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ

EDS Analysis				
Na	Mg	Si	Ca	Fe

Comments

OBSERVATIONS:
 Clean Debris
 Gypsum Condition of the Grid:

Very Light Light
 Very Light Light
 Good Scrappy

Moderate Moderate
 Undissolved Filter

Heavy Very Heavy
 Heavy Very Heavy
 Folded

TEM ASBESTOS ANALYSIS

RECEIVING

Client Environ. Int.
Sample No. SEA-1-4A

EMS Lab No. 82451
Page 4 of 4

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address G
Screen Magnification 940 X
Camera Constant 29.1
Accelerating Voltage 10 100 KV
Beam Current 1.4 μA
K-Factor 1.4

Analyst Leslie Date 12-5-01

Grid Opening	Structure Number	Structure	Dimensions (mm)			Fiber Classification										EDS Analysis					Comments							
			Width	Length		NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe		
C2-3		N>D																										
C2-6		N>D																										
F2-2		N>D																										
F2-6		N>D																										
F2-7		N>D																										
F2-8		N>D																										
G2-3		N>D																										
G2-6		N>D																										
H2-3		N>D																										
C3-1		N>D																										
C3-4		N>D																										
F3-1		N>D																										
F3-4		N>D																										
F3-7		N>D																										
F3-8		N>D																										

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Very Light
- Good
- Light
- Light
- Scrappy
- Moderate
- Moderate
- Undissolved Filter
- Heavy
- Heavy
- Folded
- Very Heavy
- Very Heavy

TEM - 18 (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Int EMS Lab No. 82051
 Sample No. SEA-1 (u) Page 2 of 2

MICROSCOPE
 H600A -- Serial No. 542-36-01
 H600B -- Serial No. 542-05-06
 H600C -- Serial No. 542-24-03

Grid Address C
 Screen Magnification 940 X
 Camera Constant 29.7
 Accelerating Voltage 10 100 KV
 Beam Current 1.4 μ A
 K-Factor 1.4
 Analyst Realle Date 12-5-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe		
G3-1		N5D																									
G3-2		N5D																									
H3-1		N5D																									
H3-0		N5D																									
G3-3		N5D																									
G3-0		N5D																									
E3-3		N5D																									
E3-6		N5D																									
F3-2		N5D																									
F3-6		N5D																									
G3-3		N5D																									
G3-6		N5D																									
H3-2		N5D																									
I-26		N5D																									
I-3-3		N5D																									

OBSERVATIONS:
 Clean Debris:
 Gypsum: Condition of the Grid:
 Very Light Light Moderate Very Heavy
 Very Light Light Moderate Heavy Very Heavy
 Good Scrappy Undissolved Filter Folded

TEM - 1B (6-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Int'l
 Sample No. SEA-1 (4A)

EMS Lab No. 82451
 Page 3 of -

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address 9000 X
 Screen Magnification 261
 Camera Constant 100 KV
 Accelerating Voltage 100 KV
 Beam Current 1.4 μ A
 K-Factor 1.4
 Analyst Reath Date 12-5-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
C4-1		N>D																								
C4-2		N>D																								
E4-1		N>D																								
E4-2		N>D																								
E4-3		N>D																								
E4-4		N>D																								
G4-1		N>D																								
G4-2		N>D																								
H4-1		N>D																								
H4-2		N>D																								
(Y-3)		N>D																								
C4-3		N>D																								
E4-3		N>D																								
E4-4		N>D																								

OBSERVATIONS:
 Clean
 Debris
 Gypsum
 Condition of the Grid:

Very Light
 Very Light
 Good
 Light
 Light
 Scrappy
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM-1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ J at EMS Lab No. 82457
 Sample No. SET-1 (4A) Page 4 of 5

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 9000 X
 Camera Constant 241
 Accelerating Voltage 100 KV
 Beam Current 1.0 μA
 K-Factor 1.9
 Analyst Reah Date 12-5-91

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis					Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na		Mg	Si	Ca	Fe				
F4-3		N>D																											
F4-6		N>D																											
G4-3		N>D																											
G4-4		N>D																											
H4-3		N>D																											
H4-6		N>D																											
K4-3		N>D																											
L5-4		N>D																											
G5-1		N>D																											
G5-4		N>D																											
E5-4		N>D																											
E5-4		N>D																											
F5-1		N>D																											
F5-4		N>D																											
G5-4		N>D																											

OBSERVATIONS:

Clean Debris:
 Gypsum: Condition of the Grid:

Very Light Moderate
 Very Light Moderate
 Good Undissolved Filter
 Light Scrapy
 Heavy Folded
 Very Heavy
 Very Heavy

TEM-1B (6-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Int
 Sample No. SEA-14A

EMS Lab No. 82451
 Page 5 of 5

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address C 940 X
 Screen Magnification 2000x
 Camera Constant 100 KV
 Accelerating Voltage 10 μ A
 Beam Current 1.4
 K-Factor 125
 Analyst Rygh Date 12/5

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
15.1		N>D																								
15.4		N>D																								
15.7		N>D																								
15.3		N>D																								
15.6		N>D																								
15.5		N>D																								
15.8		N>D																								
15.9		N>D																								
16.1		N>D																								

OBSERVATIONS:

Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Very Light
 Good
 Light
 Light
 Scrappy
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM ASBESTOS ANALYSIS

Client Environ Int
 Sample No. SEA-1 (UA)

EMS Lab No. 82215
 Page of

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 900 X
 Camera Constant Per
 Accelerating Voltage 10 100 KV
 Beam Current 1.0 µA
 K-Factor
 Analyst Reckle Date 12-5-81

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
C2-3		N>D																								
C2-6		N>D																								
E2-3		N>D																								
E2-6		N>D																								
F2-3		N>D																								
F2-6		N>D																								
G2-3		N>D																								
G2-6		N>D																								
H2-3		N>D																								
C3-1		N>D																								
C3-4		N>D																								
E3-1		N>D																								
E3-4		N>D																								
F3-1		N>D																								
F3-4		N>D																								

OBSERVATIONS:

Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light Moderate Very Heavy
 Very Light Moderate Very Heavy
 Good Undissolved Filter Folded
 Light Moderate Heavy
 Light Moderate Heavy
 Scrapy Undissolved Filter Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Int EMS Lab No. 82451
 Sample No. SEA-14A Page 2 of

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 940 X
 Camera Constant 227
 Accelerating Voltage 100 KV
 Beam Current 1.9 μ A
 K-Factor
 Analyst Racko Date 12-5

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na		Mg	Si	Ca	Fe		
63-1		N>D																									
63-4		N>D																									
63-7		N>D																									
63-8		N>D																									
63-9		N>D																									
63-10		N>D																									
63-11		N>D																									
63-12		N>D																									
63-13		N>D																									
63-14		N>D																									
63-15		N>D																									
63-16		N>D																									
63-17		N>D																									
63-18		N>D																									
63-19		N>D																									
63-20		N>D																									
63-21		N>D																									
63-22		N>D																									
63-23		N>D																									
63-24		N>D																									
63-25		N>D																									
63-26		N>D																									
63-27		N>D																									
63-28		N>D																									
63-29		N>D																									
63-30		N>D																									
63-31		N>D																									
63-32		N>D																									
63-33		N>D																									
63-34		N>D																									
63-35		N>D																									
63-36		N>D																									
63-37		N>D																									
63-38		N>D																									
63-39		N>D																									
63-40		N>D																									
63-41		N>D																									
63-42		N>D																									
63-43		N>D																									
63-44		N>D																									
63-45		N>D																									
63-46		N>D																									
63-47		N>D																									
63-48		N>D																									
63-49		N>D																									
63-50		N>D																									

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Light
- Scrappy
- Very Heavy
- Heavy
- Folded
- Moderate
- Moderate
- Undissolved Filter

TEM - 18 (6-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Int'l
 Sample No. SEA-1/A

EMS Lab No. 82US1
 Page 3 of

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 500 X
 Camera Constant 25
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 1.4
 Analyst Redh Date 12-5

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADK	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
C3-3		N20																								
C3-6		N20																								
F3-2		N20																								
F3-6		N20																								
F3-8		N20																								
F3-6		N20																								
1-3-2		N20																								
1-3-6		N20																								
6-3-2		N20																								
6-3-6		N20																								
C4-1		N20																								
C4-4		N20																								
F4-1		N20																								
F4-1		N20																								

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Very Light
 Good
 Light
 Light
 Scrapy
 Moderate
 Moderate
 Undissolved Filter:

Heavy
 Heavy
 Folded

Very Heavy
 Very Heavy



TEM-1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Enviro Int EMS Lab No. 82457
 Sample No. SEA-1-4A Page 4 of 1

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address _____
 Screen Magnification 940 X
 Camera Constant 25.1
 Accelerating Voltage 100 KV
 Beam Current 2.0 μ A
 K-Factor 12.5
 Analyst Leah Date _____

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments					
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca
F4-2		N>D																						
W4-1		N>D																						
W4-4		N>D																						
H4-1		N>D																						
C4-6		N>D																						
F4-3		N>D																						
F4-6		N>D																						
W4-3		N>D																						
W4-6		N>D																						
H4-3		N>D																						
F4-4		N>D																						
F4-1		N>D																						
F4-5		N>D																						
F4-4		N>D																						
F4-5		N>D																						
F4-5		N>D																						

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Light
 Moderate
 Heavy
 Very Heavy
 Undissolved Filter
 Moderate
 Heavy
 Folded

TEM-1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ Int EMS Lab No. 82457
Sample No. SET-14A Page 5 of

RECEIVING

ANALYSIS

MICROSCOPE

H600A - Serial No. 542-36-01

H600B - Serial No. 542-05-06

H600C - Serial No. 542-24-03

Grid Address D
Screen Magnification 900 X
Camera Constant 25.1
Accelerating Voltage 100 KV
Beam Current 1.70 μ A
K-Factor
Analyst Radh Date 12J

Grid Opening	Structure Number	Structure
<u>75-3</u>		<u>N>D</u>
<u>75-6</u>		<u>N>D</u>
<u>75-13</u>		<u>N>D</u>
<u>75-16</u>		<u>N>D</u>
<u>75-23</u>		<u>N>D</u>
<u>75-26</u>		<u>N>D</u>
<u>76-4</u>		<u>N>D</u>

Dimensions (mm)	
Width	Length

Fiber Classification														
NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ

EDS Analysis				
Na	Mg	Si	Ca	Fe

Comments

OBSERVATIONS:
Clean
Debris:
Gypsum:
Condition of the Grid:

Very Light
Very Light
Good
Light
Light
Scrappy
Moderate
Moderate
Undissolved Filter
Heavy
Heavy
Folded
Very Heavy
Very Heavy

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client EnViva Int'l
Sample No. SEA-1-01A

EMS Lab No. 82451
Page of

MICROSCOPE
H600A - Serial No. 542-36-01
H600B - Serial No. 542-05-06
H600C - Serial No. 542-24-03

Grid Address E
Screen Magnification 91100 X
Camera Constant 30.1
Accelerating Voltage 100 KV
Beam Current 1.0 μA
K-Factor 1.1
Analyst Kevin Date 12-5

RECEIVING ANALYSIS

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification												EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na	Mg		Si	Ca	Fe			
F23		N>D																										
F26		N>D																										
F2-3		N>D																										
F2-6		N>D																										
F2-3		N>D																										
F2-6		N>D																										
h2-3		N>D																										
h2-6		N>D																										
H2-3		N>D																										
12-1		N>D																										
C3-4		N>D																										
E3-1		N>D																										
E3-4		N>D																										
E3-1		N>D																										
E3-4		N>D																										

OBSERVATIONS:
Clean
Debris:
Gypsum:
Condition of the Grid:

Very Light Moderate Very Heavy
Light Moderate Heavy
Light Moderate Filter Heavy
Scrappy Undissolved Filter Heavy
Good Folded Very Heavy

TEM ASBESTOS ANALYSIS

RECEIVING

Client Environ Int
Sample No. SEA-114A

EMS Lab No. 82451
Page 2 of

ANALYSIS

MICROSCOPE

H600A - Serial No. 542-36-01
H600B - Serial No. 542-05-06
H600C - Serial No. 542-24-03

Grid Address E
Screen Magnification 940 X
Camera Constant 29.1
Accelerating Voltage 100 KV
Beam Current 1.0 μ A
K-Factor 1.9

Analyst Reich Date 12/

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis					Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADK	AQ	ADQ	AZQ	AZZ	Na		Mg	Si	Ca	Fe				
F3-1		N20																											
F3-2		N20																											
B3-1		N20																											
B3-2		N20																											
B3-3		N20																											
B3-4		N20																											
B3-5		N20																											
B3-6		N20																											
F3-3		N20																											
F3-4		N20																											
B3-3		N20																											
B3-4		N20																											
B3-5		N20																											
B3-6		N20																											

OBSERVATIONS:

Clean
Debris:
Gypsum:
Condition of the Grid:

Very Light
Very Light
Good
Light
Light
Scrappy
Moderate
Moderate
Undissolved Filter
Heavy
Heavy
Folded
Very Heavy
Very Heavy

TEM ASBESTOS ANALYSIS

RECEIVING

Client Environ Int
 Sample No. SEA-1419

EMS Lab No. 82451
 Page 3 of

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address E
 Screen Magnification 2500 X
 Camera Constant 20.1
 Accelerating Voltage 10 100 KV
 Beam Current 1.4 μ A
 K-Factor

Analyst Park Date 12-5-92

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification												EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na		Mg	Si	Ca	Fe			
H3-6		N>D																										
K3-3		N>D																										
C4-1		N>D																										
C4-4		N>D																										
E4-4		N>D																										
E4-9		N>D																										
P4-4		N>D																										
G4-1		N>D																										
G4-4		N>D																										
H4-1		N>D																										
H4-6		N>D																										
J4-3		N>D																										
K4-6		N>D																										
E4-3		N>D																										
E4-6		N>D																										

OBSERVATIONS:
 Clean
 Debris
 Gypsum
 Condition of the Grid:

Very Light
 Light
 Moderate
 Undissolved Filter
 Heavy
 Very Heavy
 Crappy
 Folded

TEM ASBESTOS ANALYSIS

Client Environ Int
Sample No. SEA-149

EMS Lab No. 82451
Page 4 of

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address
 Screen Magnification 940 X
 Camera Constant 2.51
 Accelerating Voltage 10 100 KV
 Beam Current 1.4 μA
 K-Factor

Analyst Reddy Date 12-5-92

Grid Opening	Structure Number	Structure
F4-3		N>D
F4-6		N>D
H4-3		N>D
H4-6		N>D
H4-3		N>D
H4-6		N>D
F4-3		N>D
F4-6		N>D
F4-3		N>D
F4-6		N>D
H4-3		N>D
H4-6		N>D

Dimensions (mm)	
Width	Length

Fiber Classification														
NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ

EDS Analysis				
Na	Mg	Si	Ca	Fe

Comments

OBSERVATIONS:
 Clean
 Debris
 Gypsum
 Condition of the Grid:

Very Light
 Very Light
 Good
 Light
 Light
 Scrappy
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ. Int'l
 Sample No. SEA-1414

EMS Lab No. 82451
 Page 5 of

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address E
 Screen Magnification 940 X
 Camera Constant 29.8
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 1.4
 Analyst Radhe Date 12-5-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification												EDS Analysis					Comments					
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na	Mg		Si	Ca	Fe		
KU-3		N>D																									
FS-1		N>D																									
FS-4		N>D																									
NS-1		N>D																									
NS-4		N>D																									
R6-1		N>D																									
E6-4		N>D																									
576-7		N>D																									

OBSERVATIONS:

Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light Moderate Very Heavy
 Light Moderate Heavy
 Light Undissolved Filter Heavy
 Scrapy Folded

TEM - 1B (8-01)

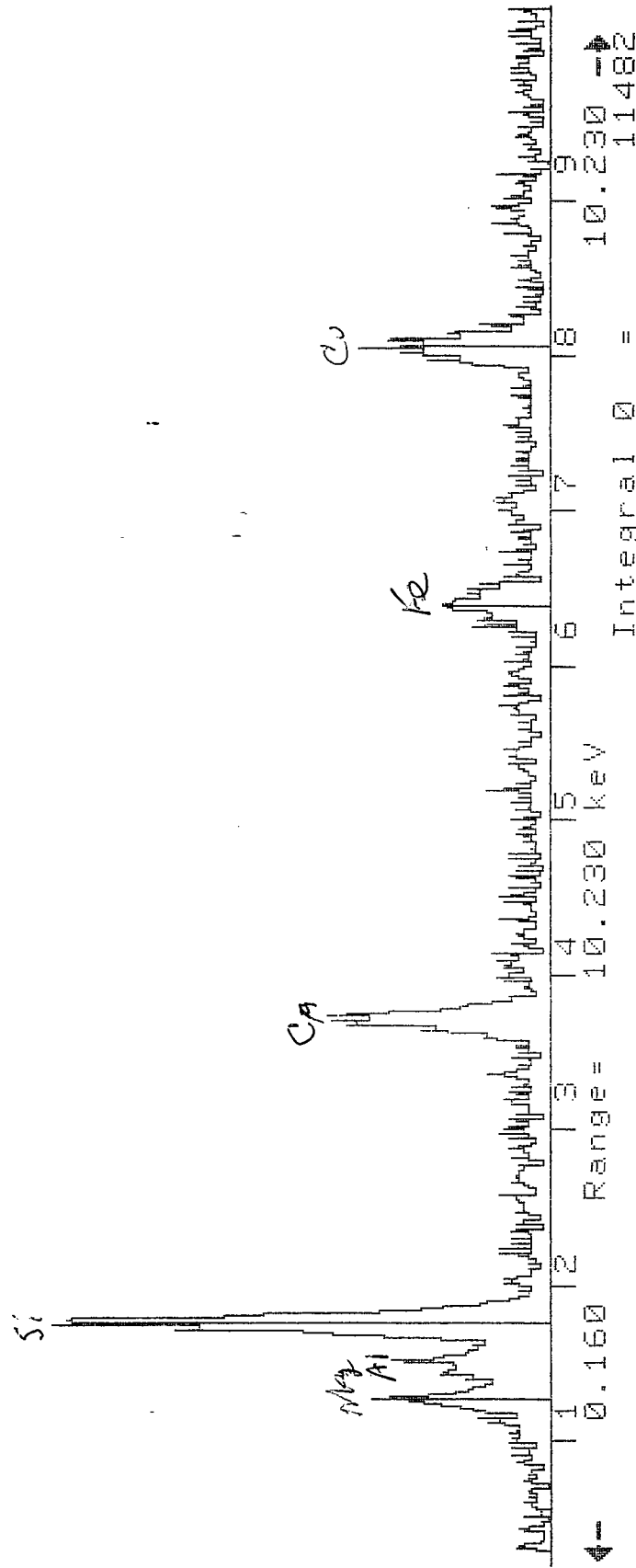
5-Dec-2002 11:21:13

MASSIVE MATERIAL B2451 *SFA-1*

Vert= 200 counts Disp= 1

Quantex>

Preset= 100 secs
Elapsed= 50 secs



TEM ASBESTOS ANALYSIS

RECEIVING

TYPE OF SAMPLE
 Air Water
 Soil Bulk
 Other

METHOD OF ANALYSIS
 EPA 600/4-83-043 ISO

LEVEL OF ANALYSIS
 Chrysotile CD = CDD
 Amphibole ADX = ABC

LENGTHS
 All Sizes (EPA)
 (µm) ≥ 0.5 314
 ≥ 1.0 1017
 ≥ 5.0
 ≥ 10.0

PCMI Range*
 *≥ 0.25 µm width
 ≥ 5.0 µm length

FILTER TYPE / AREA (mm²)
 MCE 385
 PC 314
 MCN 1017
 Other _____

PORE SIZE
 0.45 µm 0.8 µm
 0.1 µm 0.22 µm
 Other _____

G.O. Area (mm²) 0.0094
 No. of G.O. to Analyze 322
 Filter Lot No. _____

Approved By lu Date 12-5-02

Grid Opening	Structure Number	Structure	Dimensions (mm)	
			Width	Length
C2-3		N/D		
C2-6		N/D		
F2-2		N/D		
F2-6		N/D		
F2-3		N/D		
F2-6		N/D		
G2-3		N/D		
G2-6		N/D		
C3-1		N/D		
C3-4		N/D		
F3-1		N/D		
F3-4		N/D		
F3-6		N/D		
G3-1		N/D		

OBSERVATIONS:

Clean Very Light
 Debris Very Light
 Gypsum Very Light
 Condition of the Grid: Good

PREP

DIRECT PREP
 INDIRECT PREP

Volume _____ liters
 Working Volume _____ ml
 Weight 0.131 grams
 Ashed Area _____ %

Prepared By Ps
 Date 12-5-02

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-24-03
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-36-01

Grid Address A
 Screen Magnification 9400
 Camera Constant 29.8
 Accelerating Voltage 10 KV
 Beam Current 1.4 µA
 K-Factor _____

Analyst Racker Date 12-6-02

Fiber Classification			EDS Analysis																	
NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZQ	Na	Mg	Si	Ca	Fe	

Condition of the Grid: Clean Debris Gypsum

Very Light Moderate Heavy
 Very Light Moderate Heavy
 Good Undissolved Filter Folded

EMS Lab No. 82451
 Page 1 of _____

Client Enviro Int.
 Sample No. SEA-2-3A

TEM ASBESTOS ANALYSIS

Client Environ Int
 Sample No. SEA-2-30

EMS Lab No. 82451
 Page 2 of

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address A400
 Screen Magnification 1000x
 Camera Constant 100
 Accelerating Voltage 10 KV
 Beam Current 1.0 μ A
 K-Factor 1.0
 Analyst Noth Date 12-6-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDO	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
H4-4		N5D																								
H3-1		N5D																								
H4-6		N5D																								
E3-3		N5D																								
E3-6		N5D																								
E3-5		N5D																								
E3-6		N5D																								
E3-3		N5D																								
E3-6		N5D																								
G3-3		N5D																								
G3-6		N5D																								
H3-3		N5D																								
H3-6		N5D																								
H4-4		N5D																								
H4-4		N5D																								

OBSERVATIONS:

Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light Moderate Heavy Very Heavy
 Very Light Moderate Heavy Very Heavy
 Good Undissolved Filter Scrapy Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Enviro, Inc.
 Sample Nos EA-2 BA

EMS Lab No. 82451
 Page 3 of

MICROSCOPE

H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address A
 Screen Magnification 940 X
 Camera Constant 25.7
 Accelerating Voltage 100 KV
 Beam Current 1.4 μ A
 K-Factor
 Analyst Rack Date 12-6-68

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification												EDS Analysis					Comments					
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na	Mg		Si	Ca	Fe		
64-1		N50																									
64-4		N50																									
64-1		N50																									
64-6		N50																									
64-1		N50																									
64-4		N50																									
64-1		N50																									
64-6		N50																									
64-2		N50																									
64-6		N50																									
64-3		N50																									
64-6		N50																									
64-3		N50																									
64-6		N50																									
64-3		N50																									
64-6		N50																									
64-3		N50																									
64-6		N50																									

OBSERVATIONS:
 Clean Debris:
 Gypsum: Condition of the Grid:
 Very Light Light Moderate
 Very Light Light Moderate
 Good Scrapy Undissolved Filter
 Heavy Very Heavy
 Heavy Very Heavy
 Folded

TEM-1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ Int
 Sample No. SEA-23A

EMS Lab No. 82451
 Page 4 of

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address A
 Screen Magnification 500x
 Camera Constant 501
 Accelerating Voltage 100 KV
 Beam Current 1.4 µA
 K-Factor
 Analyst Leah Date 12-6

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
H4-3		N>D																								
H4-6		N>D																								
C5-1		N>D																								
C5-4		N>D																								
E5-1		N>D																								
E5-4		N>D																								
E5-1		N>D																								
F5-1		N>D																								
F5-4		N>D																								
W5-1		N>D																								
W5-4		N>D																								
W5-1		N>D																								
W5-4		N>D																								
E5-3		N>D																								
E5-6		N>D																								
F5-3		N>D																								

OBSERVATIONS: Clean Debris: Gypsum: Condition of the Grid:

Very Light Light Moderate Moderate Undissolved Filter

Very Light Light Moderate Heavy Very Heavy

Good Scrapy Folded

TEM ASBESTOS ANALYSIS

Client Environ Int'l EMS Lab No. 82651
 Sample No. SEA-2 Page 5 of 5

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-31
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address Aveo
 Screen Magnification 2000 X
 Camera Constant 100 KV
 Accelerating Voltage 10 KV
 Beam Current 1.0 μ A
 K-Factor _____ μ A
 Analyst Padle Date 12/6/00

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
E6-4		N/A																								
E6-1		N/A																								
E6-4		N/A																								
E6-1		N/A																								
E6-4		N/A																								

OBSERVATIONS:
 Clean Debris Gypsum Condition of the Grid:
 Very Light Light Moderate
 Very Light Light Moderate
 Good Scrapy Undissolved Filter
 Heavy Heavy Folded
 Very Heavy Very Heavy

TEM-1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ. Ent.
Sample No. SEA-2/31A

EMS Lab No. 82452
Page 2 of

RECEIVING ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address B
Screen Magnification 940 X
Camera Constant 251
Accelerating Voltage 100 KV
Beam Current 10 μ A
K-Factor 1.4

Analyst Leathe Date 12-9-75

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
G3-1		N>D																								
G3-4		N>D																								
H3-1		N>D																								
H3-4		N>D																								
B3-6		N>D																								
C3-3		N>D																								
C3-6		N>D																								
E3-3		N>D																								
E3-6		N>D																								
F3-3		N>D																								
F3-6		N>D																								
G3-3		N>D																								
G3-6		N>D																								
H3-3		N>D																								
H3-6		N>D																								

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Very Light
- Good
- Light
- Light
- Scrapy
- Moderate
- Moderate
- Undissolved Filter
- Heavy
- Heavy
- Folded
- Very Heavy
- Very Heavy



TEM-1B (6-01)

TEM ASBESTOS ANALYSIS

Client Environ Int
 Sample No. SEA-2 (3A)

EMS Lab No. 82407
 Page 3 of

RECEIVING ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address B
 Screen Magnification 440 X
 Camera Constant 29.7
 Accelerating Voltage 10 KV
 Beam Current 1.9 μA
 K-Factor
 Analyst Rash Date 12-9-96

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADK	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
K8-3		N20																								
B4-0		N20																								
C4-1		N20																								
C4-4		N20																								
E4-1		N20																								
E4-4		N20																								
F4-1		N20																								
F4-4		N20																								
H4-1		N20																								
H4-4		N20																								
I4-1		N20																								
I4-4		N20																								
J4-1		N20																								
J4-4		N20																								
K4-1		N20																								
K4-4		N20																								
L4-1		N20																								
L4-4		N20																								
M4-1		N20																								
M4-4		N20																								
N4-1		N20																								
N4-4		N20																								
O4-1		N20																								
O4-4		N20																								
P4-1		N20																								
P4-4		N20																								
Q4-1		N20																								
Q4-4		N20																								
R4-1		N20																								
R4-4		N20																								
S4-1		N20																								
S4-4		N20																								
T4-1		N20																								
T4-4		N20																								
U4-1		N20																								
U4-4		N20																								
V4-1		N20																								
V4-4		N20																								
W4-1		N20																								
W4-4		N20																								
X4-1		N20																								
X4-4		N20																								
Y4-1		N20																								
Y4-4		N20																								
Z4-1		N20																								
Z4-4		N20																								

OBSERVATIONS:
 Clean Debris:
 Gypsum: Condition of the Grid:
 Very Light Moderate Heavy Very Heavy
 Very Light Moderate Heavy Very Heavy
 Good Undissolved Filter Scrappy Folded

TEM-18 (8-01)

TEM ASBESTOS ANALYSIS

Client Phynex Int'l
 Sample No. SEA-2/5A

EMS Lab No. 82452
 Page 9 of 9

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address B
 Screen Magnification 2000 X
 Camera Constant 25.1
 Accelerating Voltage 10 100 KV
 Beam Current 1.4 μ A
 X-Factor 1.4
 Analyst Benk Date 12-9-91

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
E4-3		N50																								
E4-6		N50																								
F4-3		N50																								
F4-6		N50																								
H4-3		N50																								
H4-6		N50																								
H4-3		N50																								
H4-6		N50																								
C5-3		N50																								
C5-6		N50																								
E5-3		N50																								
H5-3		N50																								
H5-6		N50																								
H5-0		N50																								

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Very Light
- Good
- Light
- Light
- Scrappy
- Moderate
- Moderate
- Undissolved Filter
- Heavy
- Heavy
- Folded
- Very Heavy
- Very Heavy

TEM - 1B (8-01)



EMS LABORATORIES

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TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Ind.
 Sample No. ERT-2 (3A)

EMS Lab No. 82451
 Page of

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address B
 Screen Magnification 2497 X
 Camera Constant 2497
 Accelerating Voltage 100 KV
 Beam Current 10 μA
 X-Factor 1.54

Analyst Redh Date 12-9-64

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe		
<u>B5-4</u>		<u>N>0</u>																									
<u>C5-1</u>		<u>N>0</u>																									
<u>C5-4</u>		<u>N>0</u>																									
<u>F5-1</u>		<u>N>0</u>																									
<u>F5-4</u>		<u>N>0</u>																									

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Very Light
 Good
 Light
 Light
 Scrapy
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy



TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client: Environ Int.
 Sample No.: SEA-2-3A

EMS Lab No. 82451
 Page 1 of

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address 940
 Screen Magnification 25x X
 Camera Constant 100 KV
 Accelerating Voltage 10 μ A
 Beam Current 10
 K-Factor
 Analyst Calu Date 12-9-a

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe			
C2-3		N>D																										
C2-6		N>D																										
E2-3		N>D																										
E2-6		N>D																										
E2-3		N>D																										
F2-6		N>D																										
42-3		N>D																										
42-6		N>D																										
03-14		N>D																										
03-14		N>D																										
E3-1		N>D																										
E3-4		N>D																										
E3-1		N>D																										
E3-4		N>D																										
63-1		N>D																										

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Very Light
- Good
- Light
- Light
- Scrappy
- Moderate
- Moderate
- Undissolved Filter
- Heavy
- Heavy
- Folded
- Very Heavy
- Very Heavy



TEM - 18 (8-01)

TEM ASBESTOS ANALYSIS

Client Environ Int EMS Lab No. 82457
 Sample No. SEA-2 (3A) Page of

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 9000 X
 Camera Constant 34.4
 Accelerating Voltage 100 KV
 Beam Current 1.0 μ A
 K-Factor 1.4

Analyst Rich Date 12-9-91

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
G3-4		N30																								
H3-1		N30																								
H3-4		N30																								
H3-1		N30																								
B3-4		N30																								
C3-3		N30																								
C3-4		N30																								
E3-8		N30																								
E3-6		N30																								
F3-2		N30																								
F3-6		N30																								
G3-3		N30																								
G3-6		N30																								
H3-3		N30																								
H3-8		N30																								

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Very Light
- Good
- Light
- Light
- Scrappy
- Moderate
- Moderate
- Undissolved Filter:
- Heavy
- Heavy
- Folded
- Very Heavy
- Very Heavy

TEM - 18 (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Enviva, Int'l EMS Lab No. 8247
 Sample No. SEA2 SA Page 3 of 7

MICROSCOPE

H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 2440 X
 Camera Constant 267
 Accelerating Voltage 100 KV
 Beam Current 1.0 μ A
 K-Factor 1.0
 Analyst Wally Date 12-9-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe			
B4-1		N>D																										
B4-4		N>D																										
C4-1		N>D																										
C4-4		N>D																										
E4-1		N>D																										
E4-4		N>D																										
F4-1		N>D																										
F4-4		N>D																										
G4-1		N>D																										
G4-4		N>D																										
H4-1		N>D																										
H4-4		N>D																										
I4-1		N>D																										
I4-4		N>D																										

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Very Light
 Good
 Light
 Light
 Scrappy
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Int
Sample No. EA-2 SA

EMS Lab No. 82457
Page 4 of

MICROSCOPE

H600A - Serial No. 542-36-01
H600B - Serial No. 542-05-06
H600C - Serial No. 542-24-03

Grid Address 900
Screen Magnification 500 X
Camera Constant 50
Accelerating Voltage 100 KV
Beam Current 1.0 μ A
K-Factor

Analyst Koch Date 12/19/94

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
64-D		N/D																								
65-1		N/D																								
65-2		N/D																								
65-3		N/D																								
65-4		N/D																								
65-5		N/D																								
65-6		N/D																								
65-7		N/D																								
65-8		N/D																								
65-9		N/D																								
65-10		N/D																								
65-11		N/D																								
65-12		N/D																								
65-13		N/D																								
65-14		N/D																								
65-15		N/D																								
65-16		N/D																								
65-17		N/D																								
65-18		N/D																								
65-19		N/D																								
65-20		N/D																								
65-21		N/D																								
65-22		N/D																								
65-23		N/D																								
65-24		N/D																								
65-25		N/D																								
65-26		N/D																								
65-27		N/D																								
65-28		N/D																								
65-29		N/D																								
65-30		N/D																								
65-31		N/D																								
65-32		N/D																								
65-33		N/D																								
65-34		N/D																								
65-35		N/D																								
65-36		N/D																								
65-37		N/D																								
65-38		N/D																								
65-39		N/D																								
65-40		N/D																								
65-41		N/D																								
65-42		N/D																								
65-43		N/D																								
65-44		N/D																								
65-45		N/D																								
65-46		N/D																								
65-47		N/D																								
65-48		N/D																								
65-49		N/D																								
65-50		N/D																								
65-51		N/D																								
65-52		N/D																								
65-53		N/D																								
65-54		N/D																								
65-55		N/D																								
65-56		N/D																								
65-57		N/D																								
65-58		N/D																								
65-59		N/D																								
65-60		N/D																								

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Heavy
 Heavy
 Heavy
 Folded

Moderate
 Moderate
 Undissolved Filter

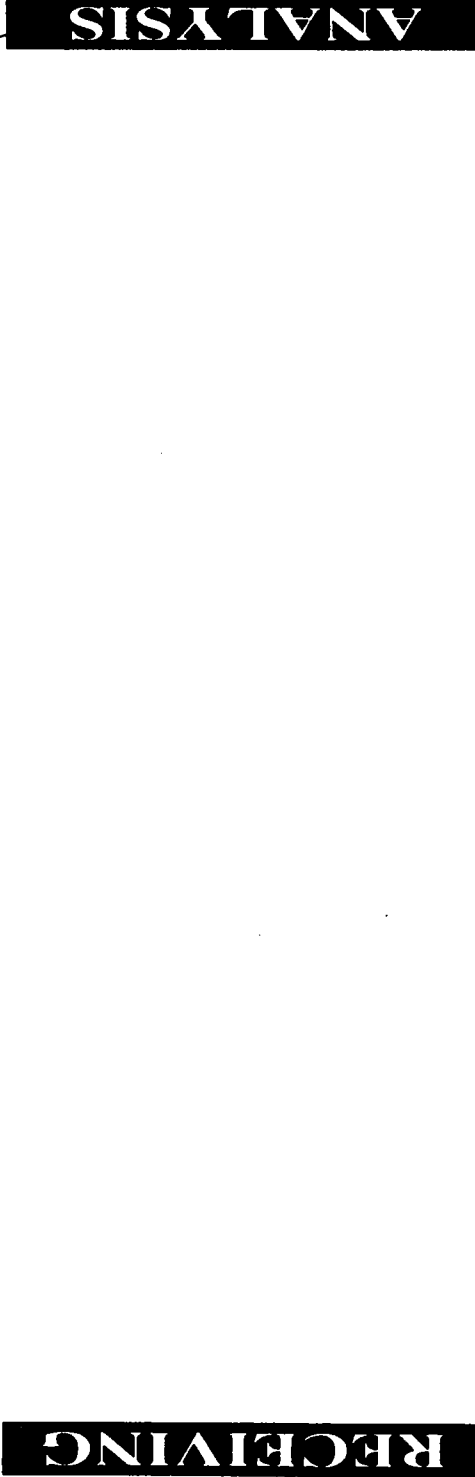
Light
 Light
 Scrappy

Very Light
 Very Light
 Good

TEM-1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ. Tech. EMS Lab No. 82451
 Sample No. SEA-2 SA Page 5 of 5



MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 940 X
 Camera Constant 25.7
 Accelerating Voltage 100 KV
 Beam Current 1.0 μA
 K-Factor 1.0
 Analyst Recha Date 12-9-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments										
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe				
E6-1		NSD																											
E6-4		NSD																											
E6-5		NSD																											
E6-9		NSD																											
H6-1		NSD																											

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Very Light
- Good
- Light
- Light
- Scrappy
- Moderate
- Moderate
- Undissolved Filter
- Heavy
- Heavy
- Folded
- Very Heavy
- Very Heavy



TEM-1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ Int.
 Sample No. SEA-2 (3A)

EMS Lab No. 82451
 Page 1 of 5

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 2100 X
 Camera Constant 28.2
 Accelerating Voltage 100 KV
 Beam Current 10 μA
 K-Factor 118

Analyst S. Ahmed Date 12/9/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments									
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe			
02-4	N5D																											
02-1	N5D																											
02-3	N5D																											
02-6	N5D																											
02-3	N5D																											
02-3	N5D																											
02-6	N5D																											
02-3	N5D																											
02-6	N5D																											
03-3	N5D																											
03-6	N5D																											
03-3	N5D																											
03-6	N5D																											
03-3	N5D																											
03-6	N5D																											

OBSERVATIONS:
 Clean
 Debris
 Gypsum
 Condition of the Grid: Very Light Light Moderate Heavy Very Heavy
 Very Light Light Moderate Heavy Very Heavy
 Good Undissolved Filter Folded

TEM ASBESTOS ANALYSIS

Client: CAVIRON, F&K EMS Lab No. 82451
 Sample No. SEA-2-3A Page 2 of 5

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address _____
 Screen Magnification 2100 X
 Camera Constant 48.9
 Accelerating Voltage 100 KV
 Beam Current 18 μ A
 K-Factor 1.0
 Analyst: S. Ahmed Date 12/9/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
F3-3		NSD																								
F3-6		NSD																								
F3-3		NSD																								
F3-6		NSD																								
F3-3		NSD																								
F3-6		NSD																								
F3-3		NSD																								
F3-6		NSD																								
MU-1		NSD																								
MU-4		NSD																								
MU-1		NSD																								
MU-4		NSD																								
MU-1		NSD																								
MU-4		NSD																								
MU-1		NSD																								
MU-4		NSD																								

OBSERVATIONS:
 Clean
 Debris
 Gypsum
 Condition of the Grid: Very Light Light Moderate Undissolved Filter Heavy Very Heavy Folded

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Int, EMS Lab No. 82451
 Sample No. SEA-2 (37) Page 3 of 5

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 2500 X
 Camera Constant 2800
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 1.8

Analyst SA Date 12/9/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
FU-1	N5D																									
CW-1	N5D																									
CW-1	N5D																									
BW-1	N5D																									
BW-1	N5D																									
AW-1	N5D																									
AW-1	N5D																									
BW-1	N5D																									
CW-1	N5D																									
CW-1	N5D																									
CW-1	N5D																									
CW-1	N5D																									
CW-1	N5D																									
CW-1	N5D																									
CW-1	N5D																									

OBSERVATIONS:

Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Light
 Moderate
 Heavy
 Very Heavy
 Undissolved Filter
 Scrappy
 Folded

TEM ASBESTOS ANALYSIS

Client Exxon-Int. EMS Lab No. 8245
 Sample No SEA-2 (3A) Page 4 of 5

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address D100
 Screen Magnification 2800 X
 Camera Constant 100 KV
 Accelerating Voltage 10 μ A
 Beam Current 18
 K-Factor SAhmed

Date 12/9/02
 Analyst SAhmed

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification								EDS Analysis					Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ		AZQ	AZZ	Na	Mg	Si	Ca	Fe	
<u>GM-3</u>	<u>N5D</u>	<u>N5D</u>																								
<u>GM-6</u>	<u>N5D</u>	<u>N5D</u>																								
<u>H4-3</u>	<u>N5D</u>	<u>N5D</u>																								
<u>H4-6</u>	<u>N5D</u>	<u>N5D</u>																								
<u>H4-3</u>	<u>N5D</u>	<u>N5D</u>																								
<u>H4-6</u>	<u>N5D</u>	<u>N5D</u>																								
<u>H5-1</u>	<u>N5D</u>	<u>N5D</u>																								
<u>H5-4</u>	<u>N5D</u>	<u>N5D</u>																								
<u>H5-1</u>	<u>N5D</u>	<u>N5D</u>																								
<u>H5-4</u>	<u>N5D</u>	<u>N5D</u>																								
<u>H5-1</u>	<u>N5D</u>	<u>N5D</u>																								
<u>H5-4</u>	<u>N5D</u>	<u>N5D</u>																								
<u>H5-1</u>	<u>N5D</u>	<u>N5D</u>																								
<u>H5-4</u>	<u>N5D</u>	<u>N5D</u>																								
<u>H5-1</u>	<u>N5D</u>	<u>N5D</u>																								
<u>H5-4</u>	<u>N5D</u>	<u>N5D</u>																								
<u>CS-4</u>	<u>N5D</u>	<u>N5D</u>																								

OBSERVATIONS:
 Clean
 Debris
 Gypsum
 Condition of the Grid:

Very Light Moderate Heavy Very Heavy
 Very Light Moderate Heavy Very Heavy
 Good Undissolved Filter Folded
 Light Light Scrapy

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Savison, Inc EMS Lab No. 82451
 Sample No. SEA-2-3A Page 5 of 5

MICROSCOPE *
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address D10D X
 Screen Magnification 28-27
 Camera Constant 100 KV
 Accelerating Voltage 10 μ A
 Beam Current
 K-Factor
 Analyst SA Date 12/9/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe			
B5-1	NSD																											
B5-4	NSD																											
B5-1	NSD																											
B5-4	NSD																											
B5-2	NSD																											

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light Moderate Heavy Very Heavy
 Light Moderate Heavy Very Heavy
 Scrapy Undissolved Filter Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ Int.

Sample No. SEA-2 (34)

EMS Lab No. 82451

Page 1 of 2

RECEIVING

ANALYSIS

MICROSCOPE

H600A - Serial No. 542-36-01

H600B - Serial No. 542-05-06

H600C - Serial No. 542-24-03

Grid Address 5100 X
 Screen Magnification 2800
 Camera Constant 100 KV
 Accelerating Voltage 10 μA
 Beam Current
 K-Factor

Analyst S Ahmad date 12/1/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments									
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe				
B2-4	N5D																												
B2-7	N5D																												
B2-10	N5D																												
B2-13	N5D																												
B2-16	N5D																												
B2-19	N5D																												
B2-22	N5D																												
B2-25	N5D																												
B2-28	N5D																												
B2-31	N5D																												

OBSERVATIONS:

Clean
 Debris:
 Gypsum:
 Condition of the Grid: Good Scrapy Undissolved Filter Moderate Moderate Heavy Heavy Very Heavy Very Heavy

TEM-1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

Client Environ-Int
 Sample No. SEA-2(SA)

EMS Lab No. 82457
 Page 2 of 5

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

ANALYSIS

Grid Address E
 Screen Magnification 9100 X
 Camera Constant 28.8
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 1.8
 Analyst S Ahmed Date 12/9/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
B3-4	N5D																									
C3-4	N5D																									
E3-7	N5D																									
F3-4	N5D																									
H3-4	N5D																									
J3-7	N5D																									
L3-4	N5D																									
M3-4	N5D																									
N3-4	N5D																									
P3-4	N5D																									
Q3-4	N5D																									
R3-4	N5D																									
S3-4	N5D																									
T3-4	N5D																									
U3-4	N5D																									
V3-4	N5D																									
W3-4	N5D																									
X3-4	N5D																									
Y3-4	N5D																									
Z3-4	N5D																									

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Light
 Moderate
 Heavy
 Very Heavy
 Undissolved Filter
 Scrapy
 Folded

TEM ASBESTOS ANALYSIS

Client: ENVIRONMENTAL
 Sample No: SEA-22 SA

EMS Lab No. 82451
 Page 3 of 5

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address E 1100 X
 Screen Magnification 28-64
 Camera Constant 100 KV
 Accelerating Voltage 11.8 μA
 Beam Current 11.8
 K-Factor SA
 Analyst S. Ahmed Date 12/9/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
CU-4	N5D	N5D																								
CU-5	N5D	N5D																								
CU-1	N5D	N5D																								
B4-4	N5D	N5D																								
B4-1	N5D	N5D																								
A4-4	N5D	N5D																								
A4-1	N5D	N5D																								
A4-3	N5D	N5D																								
A4-2	N5D	N5D																								
B4-3	N5D	N5D																								
B4-6	N5D	N5D																								
CU-3	N5D	N5D																								
CU-6	N5D	N5D																								
CU-2	N5D	N5D																								
CU-6	N5D	N5D																								

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid: Good Very Light Light Moderate Undissolved Filter Heavy Very Heavy Folded

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client ENVIRONMENTAL
 Sample No. SEA-2 (3A)

EMS Lab No. 82517
 Page 4 of 5

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address E
 Screen Magnification 2100 X
 Camera Constant 58.4
 Accelerating Voltage 100 KV
 Beam Current 18 μ A
 K-Factor 10
 Analyst Shmed Date 12/9/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe		
EA-3		NSD																									
EA-6		NSD																									
CA-3		NSD																									
CA-6		NSD																									
HA-3		NSD																									
AS-1		NSD																									
AS-4		NSD																									
BS-1		NSD																									
BS-4		NSD																									
CS-1		NSD																									
CS-4		NSD																									
CS-1		NSD																									
CS-4		NSD																									
CS-1		NSD																									
CS-4		NSD																									

OBSERVATIONS: Clean Debris: Very Light Light Moderate Very Heavy Very Heavy
 Gypsum: Very Light Light Moderate Heavy Very Heavy
 Condition of the Grid: Good Undissolved Filter Scrapy Folded

TEM ASBESTOS ANALYSIS

RECEIVING

Client ENVIRONMENTAL
 Sample No. SEA-2(BA)

EMS Lab No. 82051
 Page 5 of 5

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address _____
 Screen Magnification 2800 X
 Camera Constant 100 KV
 Accelerating Voltage 10 KV
 Beam Current 1.8 μ A
 K-Factor 10
 Analyst SA Date 12/9/01

ANALYSIS

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification												EDS Analysis					Comments			
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na	Mg		Si	Ca	Fe
<u>0.5-1</u>	<u>N5D</u>																								
<u>0.5-1</u>	<u>N5D</u>																								
<u>0.5-1</u>	<u>N5D</u>																								
<u>0.5-1</u>	<u>N5D</u>																								
<u>0.5-1</u>	<u>N5D</u>																								

OBSERVATIONS:

Clean
 Debris:
 Gypsum:
 Condition of the Grid: Good

Very Light
 Very Light
 Good

Moderate
 Moderate
 Undissolved Filter

Heavy
 Heavy
 Folded

Very Heavy
 Very Heavy



TEM ASBESTOS ANALYSIS

EMS Lab No. 82451
Page 5 of 5

Client ENVIRONMENTAL
Sample No. SEA3-3A

RECEIVING

TYPE OF SAMPLE
 Air Water Soil Bulk Other

METHOD OF ANALYSIS
 EPA 600/4-83-043 ISO

LEVEL OF ANALYSIS
 Chrysotile CD 800
 Amphibole ADD

ASPECT RATIO
 3:1 5:1

LENGTHS
 All Sizes (EPA)
 (µm) ≥ 0.5 ≥ 1.0 ≥ 5.0
 ≥ 100

FILTER TYPE / AREA (mm±)
 MCE 385
 PC 314
 MCN 1017
 Other

PORE SIZE
 0.45 µm 0.8 µm
 0.1 µm 0.22 µm
 Other

G.O. Area (mm²) 0.0094
No. of G.O. to Analyze 365
Filter Lot No. _____

Approved By _____ Date _____

PREP

DIRECT PREP
INDIRECT PREP

Volume _____ liters
 Working Volume _____ ml
 Weight 113g grams
 Ashed Area _____ %

Prepared By RS.
 Date 12/19/02

ANALYSIS

MICROSCOPE
 Serial No. 542-05-06 H600A
 Serial No. 542-05-13 H600B

Grid Address A
 Screen Magnification 9100
 Camera Constant 28-4
 Accelerating Voltage 100 KV
 Beam Current 18 µm
 K-Factor 1.8

Analyst S. Ahmed Date 12/19/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe		
B2-6	NSD																										
B2-3	NSD																										
B2-6	NSD																										
B2-3	NSD																										
B2-6	NSD																										
B2-3	NSD																										
B2-6	NSD																										
B2-3	NSD																										
B2-6	NSD																										
B3-1	NSD																										
B3-4	NSD																										
B3-1	NSD																										
B3-1	NSD																										

OBSERVATIONS:

Clean Debris Gypsum Other

Very Light Light Moderate Heavy Very Heavy

Very Light Light Moderate Heavy Very Heavy

EMS LABORATORIES 117 West Bellevue Drive Pasadena, California 91105-2503 (818) 568-4065

TEM ASBESTOS ANALYSIS

Client: Environ-Int-EMS Lab No. 82151
 Sample No. SEA3-3A Page 2 of 5

ANALYSIS

MICROSCOPE

H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address A
 Screen Magnification 9100 X
 Camera Constant 78.8
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 1.8

Analyst: D. Ahmed Date 12/10/01

RECEIVING

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe		
B3-4	N5D	N5D																									
B3-1	N5D	N5D																									
B3-4	N5D	N5D																									
B3-4	N5D	N5D																									
B3-4	N5D	N5D																									
B3-1	N5D	N5D																									
B3-3	N5D	N5D																									
B3-3	N5D	N5D																									
B3-3	N5D	N5D																									
B3-3	N5D	N5D																									
B3-3	N5D	N5D																									
B3-3	N5D	N5D																									
B3-3	N5D	N5D																									
B3-3	N5D	N5D																									

OBSERVATIONS:

Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light Moderate Heavy Very Heavy
 Very Light Moderate Heavy Very Heavy
 Good Undissolved Filter Folded Scrapy



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TEM ASBESTOS ANALYSIS

Client ENVIRON-TREMS Lab No. 82451
 Sample No. SEA3-3A Page 2 of 5

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address A
 Screen Magnification 9100 X
 Camera Constant 28-9
 Accelerating Voltage 10 KV
 Beam Current _____ μ A
 K-Factor _____

Analyst S Ahmed Date 12/10/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADQ	AQ	ADQ	AZQ	AZQ		Na	Mg	Si	Ca	Fe	
H3-3	N5D																									
H3-6	N5D																									
H3-3	N5D																									
H4-4	N5D																									
H4-7	N5D																									
H4-4	N5D																									
H4-1	N5D																									
H4-4	N5D																									
H4-4	N5D																									
H4-1	N5D																									
H4-4	N5D																									
H4-1	N5D																									
H4-4	N5D																									
H4-1	N5D																									
H4-4	N5D																									

OBSERVATIONS:
 Clean
 Debris
 Gypsum
 Condition of the Grid: Good Scrapy Undissolved Filter Moderate Moderate Heavy Heavy Very Heavy Very Heavy

TEM ASBESTOS ANALYSIS

RECEIVING

Client ENVIRON-INT. EMS Lab No. 82451
 Sample No. SEA3-SA Page 4 of 5

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address A
 Screen Magnification 9100 X
 Camera Constant 28-11
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 10
 Analyst S. Ahmed Date 12/10/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
A4-6	N5D																									
B4-3	N5D																									
B4-6	N5D																									
C4-3	N5D																									
C4-6	N5D																									
E4-3	N5D																									
E4-6	N5D																									
F4-3	N5D																									
F4-6	N5D																									
G4-3	N5D																									
G4-6	N5D																									
H4-3	N5D																									
H4-6	N5D																									
X4-3	N5D																									
X5-6	N5D																									

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Very Light
- Good
- Light
- Light
- Scrappy

- Moderate
- Moderate
- Undissolved Filter

- Heavy
- Heavy
- Folded
- Very Heavy
- Very Heavy

TEM-1B(8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

Client ENVIRONMENTAL EMS Lab No. 82451
 Sample No. SEA3-3A Page 5 of 5

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

ANALYSIS

Grid Address A
 Screen Magnification 5100 X
 Camera Constant 28-14
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor SA
 Analyst SA Date 12/10/0

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
B5-1	N5D	N5D																								
B5-2	N5D	N5D																								
B5-3	N5D	N5D																								
B5-4	N5D	N5D																								
B5-5	N5D	N5D																								
B5-6	N5D	N5D																								
B5-7	N5D	N5D																								
B5-8	N5D	N5D																								
B5-9	N5D	N5D																								
B5-10	N5D	N5D																								

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid: Good
- Very Light
- Light
- Moderate
- Undissolved Filter
- Scrapy
- Heavy
- Very Heavy
- Very Heavy
- Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Enviro Int
 Sample No. SEA 3 BA

EMS Lab No. 82451
 Page 1 of 5

RECEIVING ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address B
 Screen Magnification 9,000 X
 Camera Constant 29.7
 Accelerating Voltage 10 KV
 Beam Current 1.4 μ A
 K-Factor _____
 Analyst Rasha Date 12-10-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe			
F2-3		N>D																										
F2-6		N>D																										
F2-3		N>D																										
F2-6		N>D																										
U2-3		N>D																										
U2-6		N>D																										
U2-3		N>D																										
U2-6		N>D																										
C3-1		N>D																										
C3-4		N>D																										
F3-1		N>D																										
U3-1		N>D																										
U3-4		N>D																										
H2-1		N>D																										
H3-4		N>D																										
H2-8		N>D																										

OBSERVATIONS:
 Clean Debris:
 Gypsum: Condition of the Grid:
 Very Light Light Moderately
 Very Light Light Moderate
 Good Scrapy Undissolved Filter
 Heavy Heavy Very Heavy
 Very Heavy Very Heavy Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Int.
Sample No. SEA-3 SA

EMS Lab No. 82451
Page 2 of

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address B
Screen Magnification 9000 X
Camera Constant 29.1
Accelerating Voltage 10 100 KV
Beam Current 1.4 μ A
K-Factor

Analyst Redha Date 12-10-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDO	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe		
C3-3		N>D																									
C3-6		N>D																									
F3-3		N>D																									
E3-6		N>D																									
G3-3		N>D																									
G3-6		N>D																									
H3-3		N>D																									
K3-3		N>D																									
G4-1		N>D																									
E4-1		N>D																									
E4-4		N>D																									
E4-1		N>D																									
E4-4		N>D																									
G4-1		N>D																									
G4-4		N>D																									

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Very Light
- Good
- Light
- Light
- Scrappy
- Moderate
- Moderate
- Undissolved Filter
- Heavy
- Heavy
- Folded
- Very Heavy
- Very Heavy

TEM - 18 (8-01)



TEM ASBESTOS ANALYSIS

Client Environ. Int.
Sample No. SEA-3 (3A)

EMS Lab No. 82451
Page 3 of

RECEIVING

ANALYSIS

- MICROSCOPE
- H600A - Serial No. 542-36-01
 - H600B - Serial No. 542-05-06
 - H600C - Serial No. 542-24-03

Grid Address B
 Screen Magnification 9000 X
 Camera Constant 29.1
 Accelerating Voltage 100 KV
 Beam Current 1.0 µA
 K-Factor

Analyst Peeble Date 12-10-92

Grid Opening	Structure Number	Structure	Dimensions (mm)	
			Width	Length
H4-1		N20		
H4-4		N20		
KU-1		N20		
E4-6		N20		
R4-3		N20		
G4-3		N20		
G4-6		N20		
H4-3		N20		
H4-6		N20		
K4-3		N20		
K4-6		N20		
E5-1		N20		
R5-4		N20		
F5-1		N20		
G5-1		N20		

Fiber Classification														
NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ

EDS Analysis					Comments
Na	Mg	Si	Ca	Fe	

OBSERVATIONS:

Clean
 Debris
 Gypsum
 Condition of the Grid:

Very Light
 Very Light
 Good
 Light
 Light
 Scrappy
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM-1B (8-01)

TEM ASBESTOS ANALYSIS

Client ENVIRONMENTAL
 Sample No. SEA-3 (3A)

EMS Lab No. 82451
 Page 5 of 5

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address B900
 Screen Magnification 2000 X
 Camera Constant 100
 Accelerating Voltage 10 KV
 Beam Current 1.0 μ A
 K-Factor 1.0

Analyst Leah Date 12-10-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis					Comments					
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na		Mg	Si	Ca	Fe	
B6-1		N>D																								
B6-2		N>D																								
B6-3		N>D																								
B6-4		N>D																								
H5-1		N>D																								
B6-3		N>D																								
B6-4		N>D																								
B5-6		N>D																								
B4-1		N>D																								
B4-4		N>D																								

OBSERVATIONS:
 Clean Debris: Gypsum:
 Condition of the Grid: Very Light Light Moderate Undissolved Filter
 Very Light Light Moderate Heavy Very Heavy
 Good Scrapy Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ Int.
Sample No. SEH3 s/v

EMS Lab No. 82451
Page 1 of 1

RECEIVING ANALYSIS

MICROSCOPE
H600A - Serial No. 542-36-01
H600B - Serial No. 542-05-06
H600C - Serial No. 542-24-03

Grid Address C
Screen Magnification 9400 X
Camera Constant 29.1
Accelerating Voltage 10 100 KV
Beam Current 1.4 μ A
K-Factor 1.4
Analyst Rolle Date 12-10-01

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification													EDS Analysis				Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na	Mg		Si	Ca	Fe			
C2-3		N/D																										
C2-6		N/D																										
E2-3		N/D																										
F2-6		N/D																										
F2-9		N/D																										
F2-6		N/D																										
G2-3		N/D																										
G2-6		N/D																										
H2-3		N/D																										
I2-3		N/D																										
J2-3		N/D																										
K2-3		N/D																										
L2-3		N/D																										
M2-3		N/D																										
N2-3		N/D																										
O2-3		N/D																										
P2-3		N/D																										
Q2-3		N/D																										
R2-3		N/D																										
S2-3		N/D																										
T2-3		N/D																										
U2-3		N/D																										
V2-3		N/D																										
W2-3		N/D																										
X2-3		N/D																										
Y2-3		N/D																										
Z2-3		N/D																										
AA2-3		N/D																										
AB2-3		N/D																										
AC2-3		N/D																										
AD2-3		N/D																										
AE2-3		N/D																										
AF2-3		N/D																										
AG2-3		N/D																										
AH2-3		N/D																										
AI2-3		N/D																										
AJ2-3		N/D																										
AK2-3		N/D																										
AL2-3		N/D																										
AM2-3		N/D																										
AN2-3		N/D																										
AO2-3		N/D																										
AP2-3		N/D																										
AQ2-3		N/D																										
AR2-3		N/D																										
AS2-3		N/D																										
AT2-3		N/D																										
AV2-3		N/D																										
AW2-3		N/D																										
AX2-3		N/D																										
AY2-3		N/D																										
AZ2-3		N/D																										
BA2-3		N/D																										

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Very Light
 Good
 Light
 Light
 Scrappy
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

NO diffraction.
7164

TEM - 18 (6-01)

TEM ASBESTOS ANALYSIS

Client Environ Int
 Sample No. SEA-3-37

EMS Lab No. 82407
 Page 2 of 2

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 900 X
 Camera Constant 2.5
 Accelerating Voltage 100 KV
 Beam Current 1.0 μ A
 K-Factor 1.9
 Analyst Leah Date 8-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe		
F3-0		N/D																									
G5-1		N/D																									
G3-0		N/D																									
H3-1		N/D																									
H3-9		N/D																									
B3-6		N/D																									
C3-3		N/D																									
E3-6		N/D																									
F3-3		N/D																									
F3-6		N/D																									
G5-3		N/D																									
H3-3		N/D																									
H3-6		N/D																									
K3-3		N/D																									
K4-7		N/D																									

OBSERVATIONS:

Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Heavy
 Very Heavy

Heavy
 Heavy
 Folded

Moderate
 Moderate
 Undissolved Filter

Light
 Light
 Scrappy

Very Light
 Very Light
 Good

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client ENVIRO, Inc. EMS Lab No. 82457
 Sample No. SEA-38A Page 3 of

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 940 X
 Camera Constant 25.1
 Accelerating Voltage 100 KV
 Beam Current 1.0 μ A
 K-Factor 1.4
 Analyst Back Date 12-10-02

Grid Opening	Structure Number	Structure	Dimensions (mm)			Fiber Classification										EDS Analysis				Comments							
			Width	Length		NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
B4-1		N>D																									
B4-4		N>D																									
C4-4		N>D																									
E4-1		N>D																									
E4-4		N>D																									
F4-1		N>D																									
F4-4		N>D																									
H4-1		N>D																									
H4-4		N>D																									
I4-1		N>D																									
H4-4		N>D																									
K4-1		N>D																									
C4-4		N>D																									
E4-1		N>D																									
E4-4		N>D																									

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid: Good Scrapy Light Light Moderate Moderate Undissolved Filter Heavy Heavy Folded Very Heavy Very Heavy

TEM ASBESTOS ANALYSIS

RECEIVING

Client Environ Int'l
 Sample No. SEA-3 (3P)

EMS Lab No. 82057
 Page 4 of

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 9400 X
 Camera Constant 26.1
 Accelerating Voltage 100 KV
 Beam Current 1.9 μ A
 K-Factor

Analyst Robert Date 12-16-81

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
64-3		F	1	45																						
44-9		N>D																								
44-6		N>D																								
44-3		N>D																								
B5-4		N>D																								
C5-1		N>D																								
C5-4		N>D																								
E5-1		N>D																								
E5-9		N>D																								
E5-1		N>D																								
E5-9		N>D																								
H5-1		N>D																								
H5-9		N>D																								
K5-9		N>D																								
G5-13		N>D																								

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Very Light
 Good

Light
 Light
 Scrappy

Moderate
 Moderate
 Undissolved Filter

Heavy
 Heavy
 Folded

Very Heavy
 Very Heavy

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

Client Environ Int
 Sample No. SEA-33A

EMS Lab No. 82451
 Page 5 of

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 940 X
 Camera Constant 100
 Accelerating Voltage 10 KV
 Beam Current 1.9 μ A
 K-Factor 1.9
 Analyst Nachy Date 12-10-91

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDO	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
G5-6	N50	N50																								
E5-3	N50	N50																								
G5-3	N50	N50																								
G5-6	N50	N50																								
H5-3	N50	N50																								
H5-6	N50	N50																								
G6-4	N50	N50																								
F6-1	N50	N50																								
F6-4	N50	N50																								
F6-4	N50	N50																								
F6-4	N50	N50																								
H6-1	N50	N50																								
H6-1	N50	N50																								
H5-4	N50	N50																								

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light Moderate Very Heavy
 Light Moderate Very Heavy
 Light Undissolved Filter Folded
 Scrapy

10-Dec-2002 10:55:48

82451, SEA-3, 3A, C, #01, RS
Vert= 100 counts Disp= 1

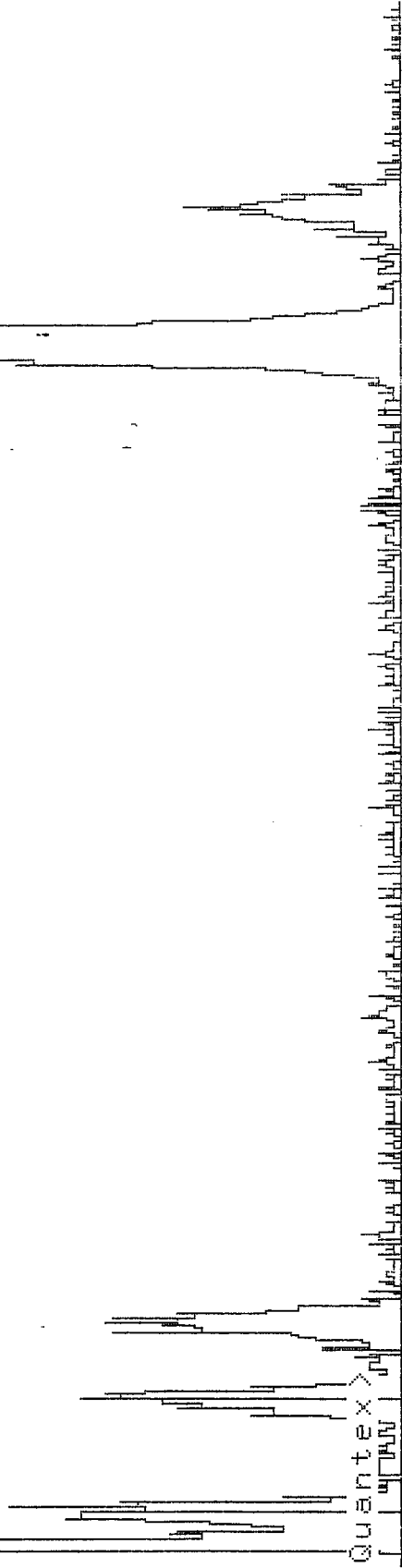
Preset= 100 secs
Elapsed= 72 secs

Energy Counts X-Ray Lines

0.52 424. 0 K α_1 , O K α_2 , V L α_1 , V L α_2 , V L β_1

1.24 398. Mg K α_1 , Mg K α_2

1.74 435. Si K α_1 , Si K α_2



0.160 Range= 10.230 keV

10.230
8328

Integral 0 =

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Int. EMS Lab No. 82457 of 5
 Sample No. SFA 3 SA Page _____

MICROSCOPE

H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 9100 X
 Camera Constant 28.4
 Accelerating Voltage 10 KV
 Beam Current _____ μA
 K-Factor 18
 Analyst: SAhmed Date 12/10/02

Grid Opening	Structure Number	Structure
<u>1223</u>	<u>NSD</u>	
<u>1226</u>	<u>NSD</u>	
<u>1223</u>	<u>NSD</u>	
<u>1226</u>	<u>NSD</u>	
<u>1223</u>	<u>NSD</u>	
<u>1226</u>	<u>NSD</u>	
<u>1223</u>	<u>NSD</u>	
<u>1226</u>	<u>NSD</u>	
<u>1223</u>	<u>NSD</u>	
<u>1226</u>	<u>NSD</u>	
<u>1223</u>	<u>NSD</u>	
<u>1226</u>	<u>NSD</u>	
<u>1230</u>	<u>NSD</u>	
<u>1231</u>	<u>NSD</u>	
<u>1230</u>	<u>NSD</u>	
<u>1231</u>	<u>NSD</u>	
<u>1231</u>	<u>NSD</u>	

Dimensions (mm)	
Width	Length

Fiber Classification														
NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ

EDS Analysis			
Na	Mg	Si	Ca

Comments

OBSERVATIONS:

Clean
 Debris
 Gypsum
 Condition of the Grid:

Very Light
 Very Light
 Good

Light
 Light
 Scrapy

Moderate
 Moderate
 Undissolved Filter

Heavy
 Heavy
 Folded

Very Heavy
 Very Heavy

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client ENVIRONMENT INT.
Sample No. SEA-3 (3A)

EMS Lab No. 82457
Page 2 of 5

MICROSCOPE:

H600A - Serial No. 542-36-01
H600B - Serial No. 542-05-06
H600C - Serial No. 542-24-03

Grid Address 13
Screen Magnification 4000x X
Camera Constant 18.9
Accelerating Voltage 100 KV
Beam Current 1.8 μ A
K-Factor SA
Analyst SA Date 12/10

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na		Mg	Si	Ca	Fe		
03-4	1	M011	90	110																							
03-4		MF	1	72																							
03-4		N5D																									
03-4		N5D																									
03-4		N5D																									
03-4		N5D																									
03-4		N5D																									
03-4		N5D																									
03-4		N5D																									
03-2	2	M010	58	90																							
03-2		MF	2	30																							
03-6		N5D																									
03-6		N5D																									
03-6		N5D																									
03-6		N5D																									
03-6		N5D																									

OBSERVATIONS:
 Clean Debris:
 Gypsum: Very Light Moderate
 Condition of the Grid: Good Undissolved Filter
 Heavy Very Heavy
 Heavy Very Heavy
 Folded

TEM ASBESTOS ANALYSIS

Client: CAUTION. Int. EMS Lab No. 82451
 Sample No. SEA3 SA Page 3 of 5

RECEIVING

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address _____ X
 Screen Magnification 9800
 Camera Constant 100
 Accelerating Voltage 100 KV
 Beam Current _____ μ A
 K-Factor 118
 Analyst SA - Date 12/10

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
1333	NSD																									
1334	NSD																									
1335	NSD																									
1336	NSD																									
1337	NSD																									
1338	NSD																									
1339	NSD																									
1340	NSD																									
1341	NSD																									
1342	NSD																									
1343	NSD																									
1344	NSD																									
1345	NSD																									
1346	NSD																									
1347	NSD																									
1348	NSD																									
1349	NSD																									
1350	NSD																									
1351	NSD																									
1352	NSD																									
1353	NSD																									
1354	NSD																									
1355	NSD																									
1356	NSD																									
1357	NSD																									
1358	NSD																									
1359	NSD																									
1360	NSD																									
1361	NSD																									
1362	NSD																									
1363	NSD																									
1364	NSD																									
1365	NSD																									
1366	NSD																									
1367	NSD																									
1368	NSD																									
1369	NSD																									
1370	NSD																									
1371	NSD																									
1372	NSD																									
1373	NSD																									
1374	NSD																									
1375	NSD																									
1376	NSD																									
1377	NSD																									
1378	NSD																									
1379	NSD																									
1380	NSD																									
1381	NSD																									
1382	NSD																									
1383	NSD																									
1384	NSD																									
1385	NSD																									
1386	NSD																									
1387	NSD																									
1388	NSD																									
1389	NSD																									
1390	NSD																									
1391	NSD																									
1392	NSD																									
1393	NSD																									
1394	NSD																									
1395	NSD																									
1396	NSD																									
1397	NSD																									
1398	NSD																									
1399	NSD																									
1400	NSD																									

OBSERVATIONS:
 Clean
 Debris
 Gypsum
 Condition of the Grid: Very Light Light Moderate Heavy Very Heavy
 Very Light Light Moderate Heavy Very Heavy
 Good Undissolved Filter Folded

TEM ASBESTOS ANALYSIS

Client ENVIRON-Int
 Sample No. SEA-3 (SA)

EMS Lab No. 82457
 Page 4 of 5

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 2100 X
 Camera Constant 28.14
 Accelerating Voltage 100 KV
 Beam Current 1.8 10 μ A
 K-Factor 1.8

Analyst S.A. Date 12/10/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
HU-1	NSD																									
CU-1	NSD																									
CU-1	NSD																									
BU-1	NSD																									
BM-1	NSD																									
AU-1	NSD																									
BU-3	NSD																									
BU-6	NSD																									
CU-3	NSD																									
CU-6	NSD																									
CU-3	NSD																									
BU-6	NSD																									
CU-3	NSD																									
BU-6	NSD																									
CU-3	NSD																									
BU-6	NSD																									
CU-3	NSD																									

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Very Light
 Good
 Light
 Light
 Scrappy
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM-1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client ENVIRON-INT
 Sample No. SEA33A

EMS Lab No. 8240
 Page 5 of 5

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 9100 X
 Camera Constant 2854
 Accelerating Voltage 100 KV
 Beam Current 118 TO
 K-Factor SA Date 12/10/2
 Analyst SA

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
246	N5D																									
74-3	N5D																									
74-8	N5D																									
14-3	N5D																									
15-1	N5D																									
15-4	N5D																									
15-1	N5D																									
15-7	N5D																									
15-1	N5D																									
15-4	N5D																									
15-1	N5D																									
15-4	N5D																									
15-1	N5D																									
15-4	N5D																									
15-1	N5D																									

OBSERVATIONS:
 Clean Debris: Gypsum:
 Condition of the Grid: Good Very Light Light Scrappy Undissolved Filter Moderate Heavy Folded Very Heavy

10-Dec-2002 13:59:20

+5V2 Pwr

82451, SEA-3, 3A, D, #01, SA

Preset= 100 secs

Vert= 500 counts Disp= 1

Elapsed= 29 secs

Energy Counts X-Ray Lines

1.26 182 Mg K , Mg K , Mg K

1.76 356 Si K , Si K

Quantex>

0.166 Range= 10.230 keV

Integral 0 = 10.230
6012

10-Dec-2002 15:37:43

--WARNING--

02451-GEAS, C3-3, 3.5, MICRON FIBER, GRID D Preset= Off
Vert= 1000 counts Disp= 1 Comp= 3 Elapsed= 170 secs

ELEMENT & LINE	WEIGHT PERCENT	OXIDE PERCENT	PRECISION 2 SIGMA	INTENSITIES	NO. OF CATIONS
Mg K	12.53	20.77	0.43	10.07	4.269
Al K	1.17	2.21	0.10	1.97	0.360
Si K	25.96	55.53	0.67	52.42	7.657
Ca K	8.06	12.39	0.20	13.76	1.830
Fe K	7.06	9.09	0.20	7.92	1.048
O *	44.42				
TOTAL		100.00			15.163

NUMBER OF CATIONS CALCULATED ON BASIS OF 23 OXYGEN ATOMS

* - Determined by stoichiometry

Quantex)

0.000 Range= 10.230 keV

10.110

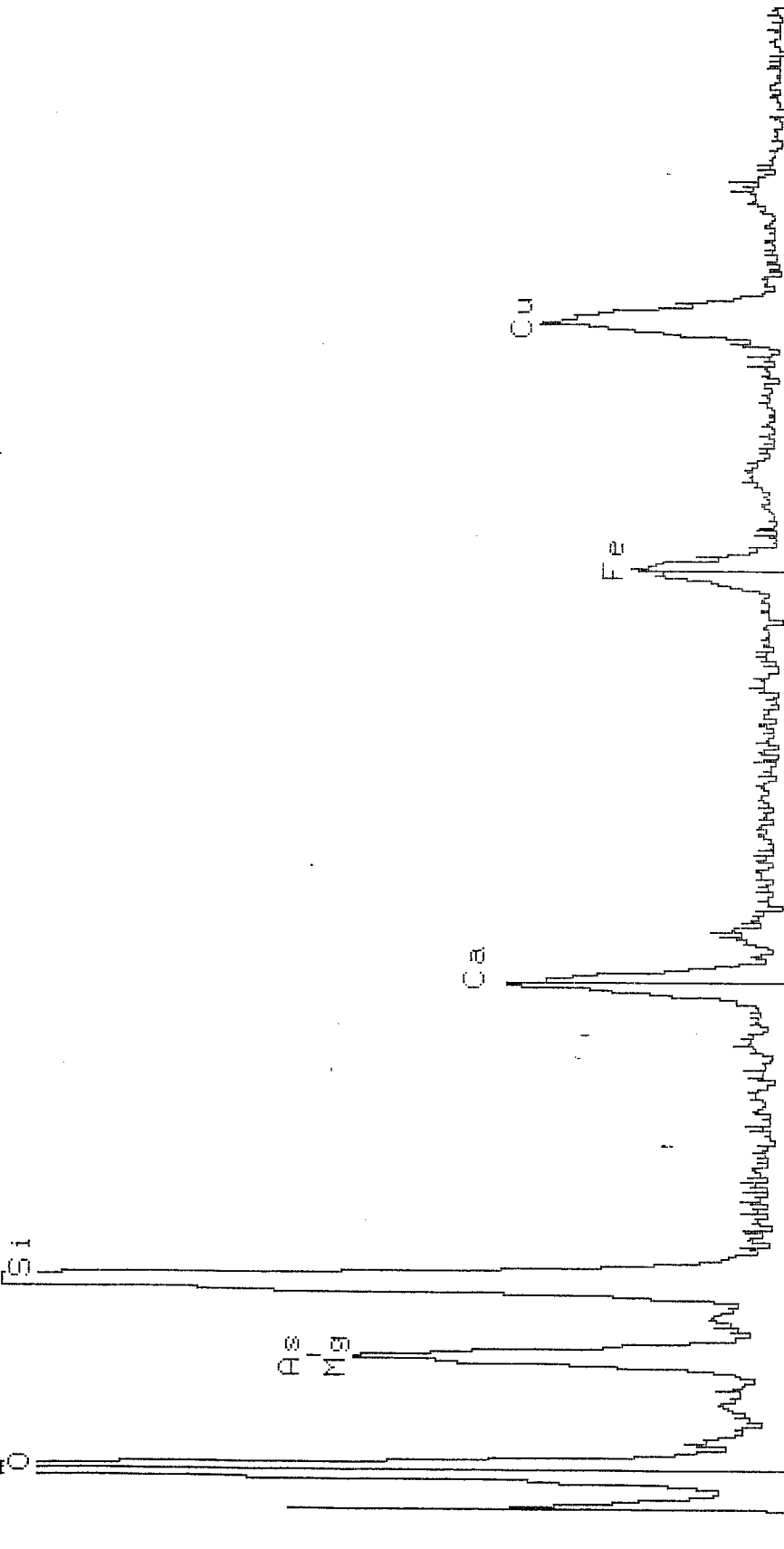
Integral 0 = 19016

10-Dec-2002 15:17:57

82451-SEA3, C3-3, 3.5, MICRON FIBER, GRID D Preset= Off

Elapsed= 178 secs

Vert= 500 counts Disp= 1



← 0.000 Range= 10.230 keV Integral 0 = 10.110 48162

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Int'l
 Sample No. SEA-3 (3A)

EMS Lab No. 82451
 Page 5 of 5

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address FF00 X
 Screen Magnification 28-4
 Camera Constant 100 KV
 Accelerating Voltage 10 μ A
 Beam Current
 K-Factor 1.8
 Analyst S. Ahmed Date 12/10/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
C6-1	N5D																									
C6-4	N5D																									
C6-7	N5D																									
C6-9	N5D																									
F6-1	N5D																									
F6-4	N5D																									
F6-7	N5D																									
F6-9	N5D																									
H5-6	N5D																									
H5-8	N5D																									
H5-9	N5D																									
H5-10	N5D																									
H5-11	N5D																									

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Light
- Scrappy
- Very Heavy
- Heavy
- Folded
- Moderate
- Moderate
- Undissolved Filter

TEM ASBESTOS ANALYSIS

RECEIVING

Client ENVIRON-LAB
 Sample No. SEA 3-3A

EMS Lab No. 22451
 Page 2 of 5

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address FEED
 Screen Magnification 4000 X
 Camera Constant 100 KW
 Accelerating Voltage 1.80 kV
 Beam Current 1.80 μA
 K-Factor SA
 Analyst SA Date 12/10/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDO	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
<u>Q553</u>	<u>N5D</u>	<u>N5D</u>																								
<u>Q554</u>	<u>N5D</u>	<u>N5D</u>																								
<u>Q555</u>	<u>N5D</u>	<u>N5D</u>																								
<u>Q556</u>	<u>N5D</u>	<u>N5D</u>																								
<u>Q557</u>	<u>N5D</u>	<u>N5D</u>																								
<u>Q558</u>	<u>N5D</u>	<u>N5D</u>																								
<u>Q559</u>	<u>N5D</u>	<u>N5D</u>																								
<u>Q560</u>	<u>N5D</u>	<u>N5D</u>																								
<u>Q561</u>	<u>N5D</u>	<u>N5D</u>																								
<u>Q562</u>	<u>N5D</u>	<u>N5D</u>																								
<u>Q563</u>	<u>N5D</u>	<u>N5D</u>																								
<u>Q564</u>	<u>N5D</u>	<u>N5D</u>																								
<u>Q565</u>	<u>N5D</u>	<u>N5D</u>																								
<u>Q566</u>	<u>N5D</u>	<u>N5D</u>																								
<u>Q567</u>	<u>N5D</u>	<u>N5D</u>																								
<u>Q568</u>	<u>N5D</u>	<u>N5D</u>																								
<u>Q569</u>	<u>N5D</u>	<u>N5D</u>																								
<u>Q570</u>	<u>N5D</u>	<u>N5D</u>																								

OBSERVATIONS:
 Clean Debris: Gypsum: Condition of the Grid:
 Very Light Light Moderate Very Heavy
 Very Light Light Moderate Very Heavy
 Good Scrapy Undissolved Filter Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client: ENVIRON INT
 Sample No. SEAB (3A)

EMS Lab No. 8245
 Page 3 of 5

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address E
 Screen Magnification 9100 X
 Camera Constant 284
 Accelerating Voltage 100 KV
 Beam Current 1.8 to 10 μ A
 K-Factor SA - Date 12/10/02
 Analyst SA

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
KU-6	N5D																									
HU-6	N5D																									
HU-3	N5D																									
CU-6	N5D																									
CU-3	N5D																									
FU-6	N5D																									
FU-3	N5D																									
BU-6	N5D																									
BU-3	N5D																									
CU-6	N5D																									
CU-3	N5D																									
BU-6	N5D																									
BU-3	N5D																									
BU-1	N5D																									
BU-2	N5D																									

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Light
- Very Light
- Light
- Good
- Scrappy

- Moderate
- Moderate
- Undissolved Filter

- Heavy
- Heavy
- Folded

- Very Heavy
- Very Heavy

TEM-1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client: ENVIRON. INT. 8245
 Sample No. SEA3 BA of 5

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address E
 Screen Magnification 9100 X
 Camera Constant 28-44
 Accelerating Voltage 100 KV
 Beam Current _____ μ A
 K-Factor 1.810
 Analyst S. Ahmad Date 2/10/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments									
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe			
<u>Q4-1</u>	<u>N5D</u>																											
<u>Q4-2</u>	<u>N5D</u>																											
<u>Q4-3</u>	<u>N5D</u>																											
<u>Q4-4</u>	<u>N5D</u>																											
<u>Q4-5</u>	<u>N5D</u>																											
<u>Q4-6</u>	<u>N5D</u>																											
<u>Q4-7</u>	<u>N5D</u>																											
<u>Q4-8</u>	<u>N5D</u>																											
<u>Q4-9</u>	<u>N5D</u>																											
<u>Q4-10</u>	<u>N5D</u>																											
<u>Q4-11</u>	<u>N5D</u>																											
<u>Q4-12</u>	<u>N5D</u>																											
<u>Q4-13</u>	<u>N5D</u>																											
<u>Q4-14</u>	<u>N5D</u>																											
<u>Q4-15</u>	<u>N5D</u>																											
<u>Q4-16</u>	<u>N5D</u>																											
<u>Q4-17</u>	<u>N5D</u>																											
<u>Q4-18</u>	<u>N5D</u>																											
<u>Q4-19</u>	<u>N5D</u>																											
<u>Q4-20</u>	<u>N5D</u>																											

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:
- Very Light
- Very Light
- Good
- Light
- Light
- Scrappy
- Moderate
- Moderate
- Undissolved Filter
- Heavy
- Heavy
- Folded
- Very Heavy
- Very Heavy

TEM - 18 (8-01)

TEM ASBESTOS ANALYSIS

Client Edwin Inf
 Sample No. 3 CA-3 BA

EMS Lab No. 82451
 Page 5 of 5

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address EJ10D X
 Screen Magnification 28.12
 Camera Constant 100 KV
 Accelerating Voltage 18.10 μ A
 Beam Current 18.10
 K-Factor SA
 Analyst SA Date 12/10

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification												EDS Analysis					Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na	Mg		Si	Ca	Fe					
<u>B3-6</u>	<u>N5D</u>																													
<u>B3-3</u>	<u>N5D</u>																													
<u>B3-8</u>	<u>N5D</u>																													
<u>B3-3</u>	<u>N5D</u>																													
<u>B3-2</u>	<u>N5D</u>																													
<u>B3-2</u>	<u>N5D</u>																													
<u>B3-6</u>	<u>N5D</u>																													
<u>B3-3</u>	<u>N5D</u>																													
<u>B3-4</u>	<u>N5D</u>																													
<u>B3-1</u>	<u>N5D</u>																													
<u>B3-4</u>	<u>N5D</u>																													
<u>B3-3</u>	<u>N5D</u>																													
<u>B3-2</u>	<u>N5D</u>																													
<u>B3-1</u>	<u>N5D</u>																													

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light Moderate Heavy Very Heavy
 Very Light Moderate Heavy Very Heavy
 Good Undissolved Filter Scrapy Folded

TEM ASBESTOS ANALYSIS

Client Environ Int EMS Lab No. 82451
Sample No. blank-1A Page 1 of 1

RECEIVING

TYPE OF SAMPLE
 Air Water Bulk Soil Other

METHOD OF ANALYSIS
 EPA 600-4-83-043 ISO

LEVEL OF ANALYSIS
 Chrysotile CD
 Amphibole AD

ASPECT RATIO
 3:1 5:1

Approved By rl Date 12-18-02

LENGTHS
 All Sizes (EPA)
 (μm) ≥ 0.5
 ≥ 1.0
 ≥ 5.0
 ≥ 10.0

PCMRANGE*
 *(≥ 0.25 μm width
 ≥ 5.0 μm length)

FILTER TYPE / AREA (mm \pm)
 MCE 385
 PC 314
 MCN 1017
 Other _____

PORE SIZE
 0.45 μm 0.8 μm
 0.1 μm 0.22 μm
 Other _____

G.O. Area (mm 2) 0.094
 No. of G.O. to Analyze 350
 Filter Lot No. _____

PREP

VOLUME _____ liters
 Working Volume _____ ml
 Weight 0.044 grams
 Ashed Area _____ %

DIRECT PREP
 INDIRECT PREP

Prepared By RL
 Date 12-11-02

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-24-03
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-36-01

Grid Address 1
 Screen Magnification 940 X
 Camera Constant 29.4
 Accelerating Voltage 100 KV
 Beam Current 10 μA
 K-Factor 1.9

Analyst Raph Date 12-11-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis						Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na		Mg	Si	Ca	Fe			
C2-3		N>D																										
C2-6		N>D		55																								
B2-3		F																										
B2-6		N>D																										
F2-3		N>D																										
F2-6		N>D																										
U2-3		N>D																										
C3-1		N>D																										
C3-4		N>D																										
C3-6		N>D																										
F3-1		N>D																										
F3-4		F		35																								
F3-6		N>D																										
F3-9		N>D																										
U3-1		N>D																										

OBSERVATIONS:

Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Light
 Scrappy
 Undissolved Filter
 Moderate
 Moderate
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM - 1A (12-00)

TEM ASBESTOS ANALYSIS

Client Enviro Int
 Sample No. blank-17

EMS Lab No. 82
 Page 2 of

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03
 Grid Address A
 Screen Magnification 9400 X
 Camera Constant 2.51
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 1.4
 Analyst Frank Date 12-14-01

ANALYSIS

RECEIVING

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments					
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe
B3-4		F	3	300	<input checked="" type="checkbox"/>																				51'
B3-1		F	2	50	<input checked="" type="checkbox"/>																				51'
B3-9		N>D																							
B3-8		N>D																							
B3-3		N>D																							
B3-6		N>D																							
B3-3		N>D																							
B3-6		N>D																							
B3-9		N>D																							
B3-6		N>D																							
B3-3		N>D																							
B3-6		N>D																							
B3-1		F	1.5	65	<input checked="" type="checkbox"/>																				51'
B3-1		F	1.5	50	<input checked="" type="checkbox"/>																				51'

OBSERVATIONS:
 Clean Debris
 Gypsum Condition of the Grid:
 Very Light Light
 Very Light Light
 Good Scrapy
 Moderate Moderate
 Moderate Undissolved Filter
 Heavy Heavy
 Very Heavy Very Heavy
 Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ Int.
Sample No. blank-10

EMS Lab No. 82457
Page 3 of

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address A
Screen Magnification 2400 X
Camera Constant 257
Accelerating Voltage 10 100 KV
Beam Current 10 µA
K-Factor 1.9

Analyst Pech Date 12-1-91

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe		
B4-4		N>D																									
B4-7		N>D																									
B4-8		N>D																									
F4-1		N>D																									
F4-4		N>D																									
b4-1		F		6x																						S1'	
n4-4		F		70																						S1'	
174-7		N>D																									
174-9		N>D																									
84-1		N>D																									
B4-3		F		120																							S1'
B4-6		N>D																									
B4-3		N>D																									
C4-6		N>D																									
E4-7		F		4	70																						S1'

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:
 Very Light
 Very Light
 Good
 Light
 Light
 Scrappy
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM-18 (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Int
Sample No. Blank 37

EMS Lab No. 8245
Page 4 of 5

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address A500
Screen Magnification 1000 X
Camera Constant 100 KV
Accelerating Voltage 10 μA
Beam Current 1.0
K-Factor 1.0
Analyst lenk Date 12-11-01

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments									
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe			
E4-0		N5D																										
F4-3		N5D																										
F4-6		N5D																										
G4-3		N5D																										
G4-6		N5D																										
H4-3		N5D																										
H4-6		N5D																										
K4-3		N5D																										
L5-0		N5D																										
G5-0		N5D																										
E5-0		N5D																										
E5-0		N5D																										
L5-0		F																										
M5-0		N5D																										

OBSERVATIONS:

- Clean
- Debris
- Gypsum
- Condition of the Grid:

- Very Light
- Light
- Moderate
- Heavy
- Very Heavy

- Light
- Light
- Moderate
- Moderate
- Folded

- Very Light
- Very Light
- Good
- Undissolved Filter

TEM ASBESTOS ANALYSIS

Client Enviya Int
Sample No. Blank 3rd

EMS Lab No. 82457
Page 5 of 5

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address A400
 Screen Magnification 2500 X
 Camera Constant 35.7
 Accelerating Voltage 10 100 KV
 Beam Current 1.9 μ A
 K-Factor 1.9

Analyst bach Date 12-11-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe			
15-1		N5D																										
15-4		N5D																										
15-7		N5D																										
16-1		N5D																										
16-4		N5D																										
16-7		N5D																										
16-1		N5D																										
16-4		N5D																										
16-7		N5D																										
16-1		N5D																										

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Light
- Moderate
- Heavy
- Very Heavy
- Very Light
- Light
- Moderate
- Heavy
- Very Heavy
- Good
- Scrappy
- Undissolved Filter
- Folded



EMS LABORATORIES

117 West Be...vue Drive • Pasadena, California 91105-2503 • (626) 566-1665

J65

11-Dec-2002 12:48:05

82451, BLANK-1A, #01, RS

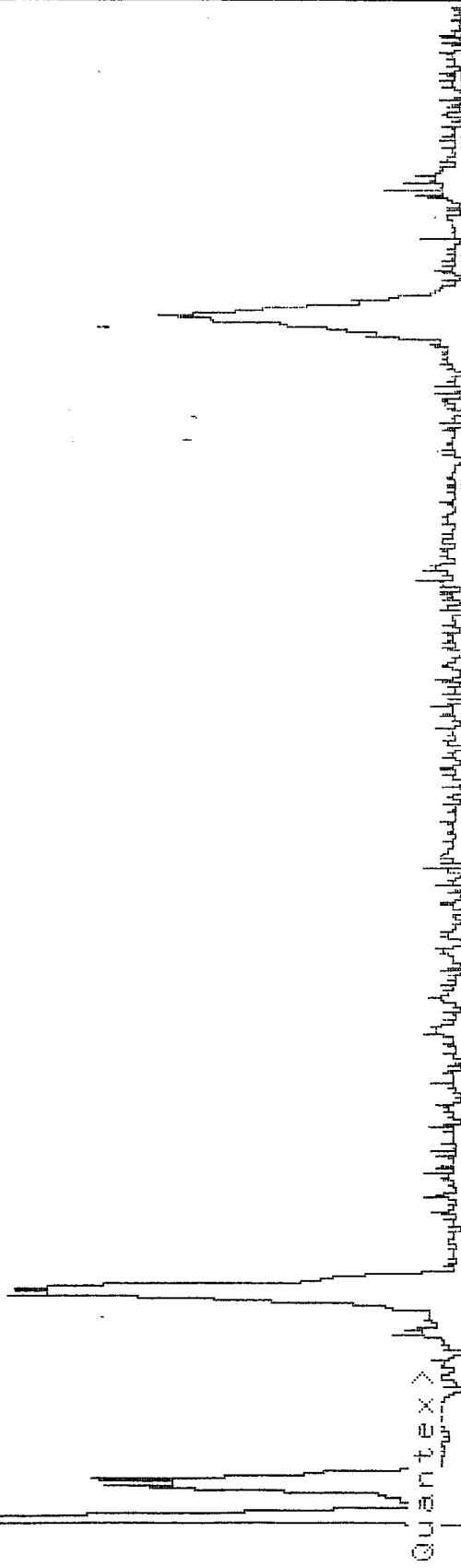
Vert= 200 counts Disp= 1

Energy Counts X-Ray Lines

Preset= 100 secs
Elapsed= 43 secs

0.54	1110.	O	K α_1 ,	O	K α_2 ,	V	L α_1 ,	Cr	L α_1 ,	W	L α_2 ,
		Cr	L α_2 ,	V	L β_1 ,	Cr	L β_1 ,	V	L β_3 ,	V	L β_4 ,
		W	L γ_1 ,	Cr	L γ_1 ,	Cr	L γ_1 ,				

1.76 1535. Si K α_1 , Si K α_2



← 0.000 Range= 10.230 keV

Integral 0 = 10.110 9638

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Int
Sample No. blank - 1A

EMS Lab No. 82457
Page 1 of 5

MICROSCOPIE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address B
Screen Magnification 9100 X
Camera Constant 285-12
Accelerating Voltage 100 KV
Beam Current 10 μ A
K-Factor SAHmed
Analyst SAHmed Date 12/11/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments									
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe			
<u>Q2-3</u>	<u>NSD</u>																											
<u>Q2-6</u>	<u>NSD</u>																											
<u>F2-3</u>	<u>NSD</u>																											
<u>F2-4</u>	<u>NSD</u>																											
<u>F2-6</u>	<u>NSD</u>																											
<u>Q2-6</u>	<u>NSD</u>																											
<u>F2-3</u>	<u>F</u>																											
<u>F2-6</u>	<u>NSD</u>																											
<u>W2-3</u>	<u>NSD</u>																											
<u>W3-3</u>	<u>NSD</u>																											
<u>W3-4</u>	<u>NSD</u>																											
<u>W3-1</u>	<u>NSD</u>																											
<u>W3-4</u>	<u>NSD</u>																											
<u>W3-1</u>	<u>NSD</u>																											
<u>W3-4</u>	<u>NSD</u>																											
<u>W3-1</u>	<u>NSD</u>																											
<u>W3-4</u>	<u>NSD</u>																											

SI

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Light
- Moderate
- Heavy
- Very Heavy

- Very Light
- Light
- Moderate
- Heavy
- Very Heavy

- Very Light
- Light
- Moderate
- Heavy
- Very Heavy

- Very Light
- Light
- Moderate
- Heavy
- Very Heavy

- Very Light
- Light
- Moderate
- Heavy
- Very Heavy

- Very Light
- Light
- Moderate
- Heavy
- Very Heavy

TEM-18 (6-01)

TEM ASBESTOS ANALYSIS

Client ENVIRONMENTAL INSTITUTE
Sample No. BANK 1A

Lab No. 82245
Page 2 of 8

RECEIVING

ANALYSIS

MICROSCOPE
H600A - Serial No. 542-36-01
H600B - Serial No. 542-05-06
H600C - Serial No. 542-24-03

Grid Address B
Screen Magnification 9100 X
Camera Constant 28-4
Accelerating Voltage 100 KV
Beam Current 118 μA
K-Factor SA

Date 12/11/02
Analyst SA

TEM - 18 (8-01)

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments											
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe						
B3-6		N5D																													
B3-6		N5D																													
B3-6		N5D																													
B3-6		N5D																													
B3-6		N5D																													
B3-6		N5D																													
B3-6	2	I	2.0	60																											
B3-6		N5D																													
B3-6		N5D																													
B3-6		N5D																													
B3-6		N5D																													
B3-6		N5D																													
B3-6		N5D																													

Clean
Debris:
Gypsum:
Condition of the Grid:

Very Light
Very Light
Good

Moderate
Moderate
Undissolved Filter

Light
Light
Scrappy

Heavy
Heavy
Folded

Very Heavy
Very Heavy

OBSERVATIONS:

TEM ASBESTOS ANALYSIS

Client: Environ Int EMS Lab No. 82657
 Sample No. Blank 1A Page 3 of 3

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address _____ X
 Screen Magnification 9100
 Camera Constant 2824
 Accelerating Voltage 100 KV
 Beam Current _____ μ A
 K-Factor STP
 Analyst STP Date 12/14/12

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments					
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca
BU-1	N5D	N5D																						
BU-2	N5D	N5D																						
BU-3	N5D	N5D																						
BU-4	N5D	N5D																						
BU-5	N5D	N5D																						
BU-6	N5D	N5D																						
BU-7	N5D	N5D																						
BU-8	N5D	N5D																						
BU-9	N5D	N5D																						
BU-10	N5D	N5D																						

OBSERVATIONS:
 Clean Debris: Gypsum:
 Condition of the Grid: Good Light Scrapy
 Very Light Moderate Undissolved Filter
 Very Light Moderate Heavy Very Heavy
 Very Light Moderate Heavy Very Heavy
 Good Light Scrapy Undissolved Filter Heavy Very Heavy

TEM ASBESTOS ANALYSIS

Client Environ Int
 Sample No BTK-1A

EMS Lab No. 8225
 Page 4 of 5

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address B
 Screen Magnification 21000 X
 Camera Constant 28.5
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 18
 Analyst SA Ahmed Date 12/11/02

RECEIVING

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na		Mg	Si	Ca	Fe		
H43	NSD	NSD																									
H46	NSD	NSD																									
KV-3	NSD	NSD																									
KV-6	NSD	NSD																									
B5-1	NSD	NSD																									
B5-4	NSD	NSD																									
C5-1	NSD	NSD																									
C5-4	NSD	NSD																									
E5-1	NSD	NSD																									
E5-4	NSD	NSD																									
F5-1	NSD	NSD																									
F5-4	NSD	NSD																									
H5-1	NSD	NSD																									
H5-4	NSD	NSD																									
H5-7	NSD	NSD																									

OBSERVATIONS:
 Clean
 Debris
 Gypsum
 Condition of the Grid:

Very Light
 Light
 Moderate
 Heavy
 Very Heavy

Undissolved Filter
 Moderate
 Heavy
 Heavy
 Folded

TEM ASBESTOS ANALYSIS

Client Environ. Int.
 Sample No. BK-7A

EMS Lab No. 82251
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RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address B
 Screen Magnification 2100 X
 Camera Constant 28-4
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 1.8
 Analyst SA Date 12/11/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	
45-2	N5D	N5D																								
45-1	N5D	N5D																								
45-4	N5D	N5D																								
45-6	N5D	N5D																								
45-6	N5D	N5D																								
45-2	N5D	N5D																								
45-2	N5D	N5D																								
45-2	N5D	N5D																								
45-2	N5D	N5D																								
45-3	N5D	N5D																								

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Very Light
 Good
 Light
 Light
 Scrapy
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM ASBESTOS ANALYSIS

RECEIVING

Client Enviva, Int
Sample No. blank-1A

EMS Lab No. 82451
Page 1 of 1

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address C
Screen Magnification 9400 X
Camera Constant Dep 1
Accelerating Voltage 100 KV
Beam Current 10 μ A
K-Factor 1.4
Analyst Leah Date 12-11-02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
C2-3		N>D																								
C2-6		N>D																								
F2-3		N>D																								
F2-6		N>D																								
G2-3		N>D																								
G2-6		N>D																								
C3-1		N>D																								
C3-4		N>D																								
F3-1		N>D																								
F3-4		N>D																								
G3-1		N>D																								
G3-4		N>D																								
H3-1		N>D																								
H3-4		N>D																								
B3-1		N>D																								
B3-4		N>D																								

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:
- Very Light
- Very Light
- Good
- Light
- Light
- Scrappy
- Moderate
- Moderate
- Undissolved Filter
- Heavy
- Heavy
- Folded
- Very Heavy
- Very Heavy



TEM - 18 (6-01)

TEM ASBESTOS ANALYSIS

Client EnviInt.
 Sample No. blak-11

EMS Lab No. 82451
 Page 2 of 2

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 94.9 X
 Camera Constant 94.9
 Accelerating Voltage 10 100 KV
 Beam Current 1.9 μ A
 K-Factor 1.9
 Analyst back Date 12-11-91

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe		
E3-3		N3A																									
E3-6		N3A																									
E3-3		N3A																									
E3-6		N3A																									
E3-3		F		1.5	60																						
E3-6		F		1.5	100																						
H3-6		N3A																									
H3-3		N3A																									
H3-6		N3A																									
B4-4		N3A																									
G4-4		N3A																									
G4-6		N3A																									
H4-4		N3A																									

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Light
- Moderate
- Heavy
- Very Heavy
- Very Light
- Light
- Moderate
- Heavy
- Very Heavy
- Good
- Scrappy
- Undissolved Filter
- Folded

TEM - 1B (8-01)



TEM ASBESTOS ANALYSIS

Client EnViraInt.
Sample No. Blak-10

EMS Lab No. 82451
Page 3 of

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address C
Screen Magnification 2400 X
Camera Constant 2.17
Accelerating Voltage 10 KV
Beam Current 14 μ A
K-Factor 14

Analyst Rahke Date 12-11-91

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis				Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe			
E4-4		NSD																										
F4-1		NSD																										
F4-4		NSD																										
G4-1		NSD																										
H4-4		NSD																										
H4-1		NSD																										
F4-4		NSD																										
K4-1		NSD																										
D4-6		NSD																										
C4-3		F	3	60																								
C4-4		NSD																										
E4-3		NSD																										
F4-6		F	15	90																								
F4-3		NSD																										
K4-6		F	15	160																								

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Very Light
- Good
- Light
- Light
- Scrappy
- Moderate
- Moderate
- Undissolved Filter
- Heavy
- Heavy
- Folded
- Very Heavy
- Very Heavy



TEM - 18 (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

TEM-1B (8-01)

Client Enviva Int. EMS Lab No. 82057
 Sample No. black TA Page 4 of

ANALYSIS

MICROSCOPE
 H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 9600 X
 Camera Constant 25.1
 Accelerating Voltage 100 KV
 Beam Current 10 μ A
 K-Factor 1.9
 Analyst Frank Date 12-11-91

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments									
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe			
K4-3		N5D																										
K4-4		N5D																										
K4-5		N5D																										
K4-6		N5D																										
K4-3		F	1	65																								
K5-4		N5D																										
K5-1		N5D																										
K5-4		N5D																										
K5-1		N5D																										
F5-4		N5D																										
N5-1		N5D																										
N5-4		N5D																										
H5-1		N5D																										
H7-4		N5D																										
G5-3		N5D																										

OBSERVATIONS:
 Clean Debris:
 Gypsum: Condition of the Grid:
 Very Light Light Moderate Very Heavy
 Very Light Light Moderate Heavy Very Heavy
 Good Scrapy Undissolved Filter Folded

TEM ASBESTOS ANALYSIS

RECEIVING

Client Environ Int.
 Sample No. blank-A

EMS Lab No. 82457
 Page of

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address C
 Screen Magnification 900x X
 Camera Constant 24.5
 Accelerating Voltage 100 KV
 Beam Current 1.0 μ A
 K-Factor 1.0

Analyst Reddy Date 12-11-91

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis					Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na		Mg	Si	Ca	Fe		
E5-6		N5D																									
E5-3		N5D																									
E5-6		N5D																									
E5-3		N5D																									
E5-3		N5D																									
E5-6		N5D																									
E6-1		N5D																									
E6-4		N5D																									
E6-1		N5D																									

OBSERVATIONS:

- Clean
- Debris:
- Gypsum:
- Condition of the Grid:

- Very Light
- Light
- Scrappy
- Very Heavy
- Heavy
- Folded
- Moderate
- Moderate Filter
- Undissolved Filter

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

ANALYSIS

Client Environ Int.
Sample No. Blank-1A

EMS Lab No. 82451
Page 1 of 5

MICROSCOPE

H600A - Serial No. 542-36-01
H600B - Serial No. 542-05-06
H600C - Serial No. 542-24-03

Grid Address D
Screen Magnification 2100 X
Camera Constant 28.4
Accelerating Voltage 10 KV
Beam Current 10 μA
K-Factor 1.8
Analyst S. Ahmed Date 12/11/82

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification											EDS Analysis			Comments						
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe
<u>02-3</u>	<u>N5D</u>																								
<u>02-6</u>	<u>N5D</u>																								
<u>02-3</u>	<u>N5D</u>																								
<u>02-6</u>	<u>N5D</u>																								
<u>02-3</u>	<u>N5D</u>																								
<u>02-6</u>	<u>N5D</u>																								
<u>02-3</u>	<u>N5D</u>																								
<u>02-6</u>	<u>N5D</u>																								
<u>02-3</u>	<u>N5D</u>																								
<u>02-6</u>	<u>N5D</u>																								
<u>02-3</u>	<u>N5D</u>																								
<u>02-6</u>	<u>N5D</u>																								

OBSERVATIONS:

- Clean Debris: Very Light Light Moderate Very Heavy
 Gypsum: Very Light Light Moderate Very Heavy
 Condition of the Grid: Good Scrappy Undissolved Filter
 Heavy Folded

TEM ASBESTOS ANALYSIS

Client Environ Int. - EMS Lab No. 8251
 Sample No. BAK-1A Page 3 of 5

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address D
 Screen Magnification 2100 X
 Camera Constant 28-1A
 Accelerating Voltage 100 KV
 Beam Current 18 μ A
 K-Factor 18

Analyst _____ Date _____

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments								
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe		
BU-4	NSD																										
BU-1	NSD																										
BU-2	NSD																										
BU-3	NSD																										
BU-4	NSD																										
BU-1	NSD																										
BU-2	NSD																										
BU-3	NSD																										
BU-4	NSD																										
BU-1	NSD																										
BU-2	NSD																										
BU-3	NSD																										
BU-4	NSD																										
BU-1	NSD																										
BU-2	NSD																										
BU-3	NSD																										
BU-4	NSD																										
CU-1	NSD																										
CU-2	NSD																										
CU-3	NSD																										
CU-4	NSD																										
CU-1	NSD																										
CU-2	NSD																										
CU-3	NSD																										
CU-4	NSD																										
CU-1	NSD																										
CU-2	NSD																										
CU-3	NSD																										
CU-4	NSD																										
CU-1	NSD																										
CU-2	NSD																										
CU-3	NSD																										
CU-4	NSD																										
CU-1	NSD																										
CU-2	NSD																										
CU-3	NSD																										
CU-4	NSD																										

OBSERVATIONS:

Clean
 Debris:
 Gypsum:
 Condition of the Grid:

Very Light
 Light
 Moderate
 Heavy
 Very Heavy

Undissolved Filter
 Scrapy
 Light
 Moderate
 Heavy
 Very Heavy



TEM-1B (8-01)

TEM ASBESTOS ANALYSIS

RECEIVING

Client CAUTION - HOT
 Sample No 3/K-17A

EMS Lab No. 82657
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ANALYSIS

MICROSCOPE

H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address 9100
 Screen Magnification 2800 X
 Camera Constant 100 KV
 Accelerating Voltage 20 μ A
 Beam Current 5.18
 K-Factor SA

Analyst SA Date 12/11/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification												EDS Analysis					Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na	Mg		Si	Ca	Fe				
45-3	N5SD																												
45-6	N5SD																												
45-3	N5SD																												
45-7	N5SD																												
45-3	N5SD																												
45-6	N5SD																												
45-3	N5SD																												
45-6	N5SD																												
45-3	N5SD																												
45-6	N5SD																												
45-3	N5SD																												
45-6	N5SD																												
45-3	N5SD																												
45-6	N5SD																												
45-3	N5SD																												
45-6	N5SD																												
45-3	N5SD																												
45-6	N5SD																												
45-3	N5SD																												
45-6	N5SD																												
45-3	N5SD																												
45-6	N5SD																												
45-3	N5SD																												
45-6	N5SD																												
45-3	N5SD																												
45-6	N5SD																												

OBSERVATIONS:
 Clean Debris
 Gypsum: Condition of the Grid: Very Light Very Light Good
 Light Light Scrappy
 Moderate Moderate Undissolved Filter
 Heavy Heavy Folded
 Very Heavy Very Heavy

TEM-18 (8-01)

TEM ASBESTOS ANALYSIS

Client Envision Int.
Sample No. 13 H.A.

EMS Lab No. 822057
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RECEIVING ANALYSIS

MICROSCOPE
H600A - Serial No. 542-36-01
H600B - Serial No. 542-05-06
H600C - Serial No. 542-24-03

Grid Address D
Screen Magnification 2500 X
Camera Constant 28.4
Accelerating Voltage 100 KV
Beam Current 10 μ A
K-Factor 1.8
Analyst SA Date 12/11

Grid Opening	Structure Number	Structure	Dimensions (mm)	
			Width	Length
<u>135-4</u>	<u>A50</u>	<u>NSP</u>		
<u>135-5</u>	<u>A50</u>	<u>NSP</u>		
<u>135-6</u>	<u>A50</u>	<u>NSP</u>		
<u>135-7</u>	<u>A50</u>	<u>NSP</u>		
<u>135-8</u>	<u>2</u>	<u>F</u>		
<u>135-9</u>	<u>A50</u>	<u>NSP</u>		
<u>135-10</u>	<u>A50</u>	<u>NSP</u>		
<u>135-11</u>	<u>A50</u>	<u>NSP</u>		
<u>135-12</u>	<u>A50</u>	<u>NSP</u>		

Fiber Classification														
NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ

EDS Analysis				Comments				
Na	Mg	Si	Ca	Fe				

OBSERVATIONS: Clean Debris: Gypsum: Condition of the Grid: Very Light Light Moderate Heavy Very Heavy Undissolved Filter Scrapy Heavy Moderate Very Heavy Folded

TEM ASBESTOS ANALYSIS

Client Enviva Int.
Sample No. blank-1A

EMS Lab No. 82451
Page 1 of 5

RECEIVING

ANALYSIS

MICROSCOPE
H600A - Serial No. 542-36-01
H600B - Serial No. 542-05-06
H600C - Serial No. 542-24-03

Grid Address 3190
Screen Magnification 2819 X
Camera Constant 100 KV
Accelerating Voltage 10 μA
Beam Current
K-Factor 1.8
Analyst S. Ahmed 12/11/02

Grid Opening	Structure Number	Structure	Dimensions (mm)	
			Width	Length
06-1	N5D			
06-4	N5D			
06-7	N5D			
06-10	N5D			
06-11	N5D			
06-14	N5D			
06-17	N5D			
06-20	N5D			
06-23	N5D			
05-3	N5D			
05-6	N5D			
05-9	N5D			
05-16	N5D			
05-23	N5D			
05-27	N5D			

Fiber Classification														
NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ

EDS Analysis						
Na	Mg	Si	Ca	Fe		

Comments

OBSERVATIONS:

Clean
Debris:
Gypsum:
Condition of the Grid:

Very Light
Very Light
Good
Scrappy

Undissolved Filter
Moderate
Moderate
Heavy
Heavy
Folded
Very Heavy
Very Heavy

TEM ASBESTOS ANALYSIS

Client Environ-Inf
 Sample No. BIA

EMS Lab No. 82601
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RECEIVING

ANALYSIS

MICROSCOPE

H600A - Serial No. 542-36-01

H600B - Serial No. 542-05-06

H600C - Serial No. 542-24-03

Grid Address 0
 Screen Magnification 2100 X
 Camera Constant 28.4
 Accelerating Voltage 100 KV
 Beam Current 1.8 μ A
 K-Factor 1.8

Analyst SA Date 12/1/62

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis				Comments							
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ		AZZ	Na	Mg	Si	Ca	Fe	
B5-6	N5D																									
B5-7	N5D																									
B5-8	N5D																									
B5-9	N5D																									
B5-10	N5D																									
B5-11	N5D																									
B5-12	N5D																									
B5-13	N5D																									
B5-14	N5D																									
B5-15	N5D																									
B5-16	N5D																									
B5-17	N5D																									
B5-18	N5D																									
B5-19	N5D																									
B5-20	N5D																									
B5-21	N5D																									
B5-22	N5D																									
B5-23	N5D																									
B5-24	N5D																									
B5-25	N5D																									
B5-26	N5D																									
B5-27	N5D																									
B5-28	N5D																									
B5-29	N5D																									
B5-30	N5D																									
B5-31	N5D																									
B5-32	N5D																									
B5-33	N5D																									
B5-34	N5D																									
B5-35	N5D																									
B5-36	N5D																									
B5-37	N5D																									
B5-38	N5D																									
B5-39	N5D																									
B5-40	N5D																									
B5-41	N5D																									
B5-42	N5D																									
B5-43	N5D																									
B5-44	N5D																									
B5-45	N5D																									
B5-46	N5D																									
B5-47	N5D																									
B5-48	N5D																									
B5-49	N5D																									
B5-50	N5D																									

OBSERVATIONS:

Clean
 Debris:
 Gypsum:
 Condition of the Grid: Good Scruppy Undissolved Filter Moderate Heavy Very Heavy Very Heavy Folded

TEM - 1B (8-01)

TEM ASBESTOS ANALYSIS

Client Environ - Int.
 Sample No. 12/11/02

EMS Lab No. 82657
 Page 3 of 5

RECEIVING **ANALYSIS**

MICROSCOPE

- H600A - Serial No. 542-36-01
 H600B - Serial No. 542-05-06
 H600C - Serial No. 542-24-03

Grid Address E
 Screen Magnification 2500x X
 Camera Constant 100 KV
 Accelerating Voltage 100 KV
 Beam Current 118 μ A
 K-Factor SA
 Date 12/11/02

Grid Opening	Structure Number	Structure	Dimensions (mm)		Fiber Classification													EDS Analysis					Comments				
			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	Na	Mg	Si		Ca	Fe		
K5-1	A5D	A5D																									
K4-3	A5D	A5D																									
HU-3	A5D	A5D																									
HU-3	A5D	A5D																									
KU-6	A5D	A5D																									
KU-3	A5D	A5D																									
KU-3	A5D	A5D																									
KU-6	A5D	A5D																									
KU-3	A5D	A5D																									
KU-3	A5D	A5D																									
KU-3	A5D	A5D																									

OBSERVATIONS:
 Clean
 Debris:
 Gypsum:
 Condition of the Grid:
 Very Light Moderate Heavy
 Very Light Moderate Heavy
 Good Undissolved Filter Scruppy Folded

TEM - 18 (8-04)

TEM ASBESTOS ANALYSIS

RECEIVING

Client Environ. Ind. EMS Lab No. 822101
 Sample No. BH Page 4 of 5

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid/Address 5
 Screen Magnification 25100 X
 Camera Constant 284
 Accelerating Voltage 100 KV
 Beam Current 10 µA
 K-Factor 5.18
 Analyst SA Date 12/11/02

Grid Opening		Structure Number	Structure	Dimensions (mm)		Fiber Classification										EDS Analysis					Comments						
W	L			Width	Length	NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ		Na	Mg	Si	Ca	Fe	

OBSERVATIONS:
 Clean
 Debris: Very Light Light Moderate Heavy Very Heavy
 Gypsum: Very Light Light Moderate Heavy Very Heavy
 Condition of the Grid: Good Scrapy Undissolved Filter Folded

TEM ASBESTOS ANALYSIS

Client Environ. Int
 Sample No. B3/AAH

EMS Lab No. 82457
 Page 5 of 5

RECEIVING

ANALYSIS

MICROSCOPE

- H600A - Serial No. 542-36-01
- H600B - Serial No. 542-05-06
- H600C - Serial No. 542-24-03

Grid Address E1100
 Screen Magnification 2500 X
 Camera Constant 25-4
 Accelerating Voltage 100 KV
 Beam Current 10 μA
 K-Factor 11
 Analyst S. Ahmad Date 12/11/02

Grid Opening	Structure Number	Structure
B33	N5D	
B33	N5D	
B33	N5D	
B33	N5D	
B33	N5D	
B33	N5D	
B33	N5D	
B33	N5D	
B33	N5D	
B33	N5D	

Dimensions (mm)	
Width	Length

Fiber Classification														
NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADK	AQ	ADQ	AZQ	AZZ

EDS Analysis					
Na	Mg	Si	Ca	Fe	

Comments

OBSERVATIONS:
 Clean
 Debris
 Gypsum
 Condition of the Grid:

Very Light
 Very Light
 Geod.
 Light
 Light
 Scrappy
 Moderate
 Moderate
 Undissolved Filter
 Heavy
 Heavy
 Folded
 Very Heavy
 Very Heavy

TEM - 1B (8-01)