36773

FINAL REPORT
FIELD SAMPLING AND ANALYSIS AT THE WHITE BRIDGE ROAD SITE MEYERSVILLE, NEW JERSEY

VOLUME II - APPENDICES

Prepared for:

U.S. Environmental Protection Agency

Contract No.: 68-W9-0003

Work Assignment No.: C02070

TES-6

ALLIANCE
Technologies Corporation

ABD 001 0743

APPENDIX A

LAB DATA SHEETS

EASTERN ANALYTICAL LABORATORIES, INC.

SUMMARY OF RESULTS
QUANTITATIVE ANALYSIS OF BULK MATERIALS
FOR ASBESTOS BY TRANSMISSION ELECTRON MICROSCOPY

ALLIANCE TECH. CORP.
1-635-195-02PA2-0
EDWARD MACKINNON

SAMPLE NO.	LAB NO.	PERCENT ASBESTOS
N600E600-11/1-18	13445.01	0.000000 %
N650E500-10/31-18	13445.02	0.000000 %
N750E400-10/31-18	13445.03	0.003578 %
N750E400-10/31-18D	13445.03D	0.016831 %
N750E500-10/31-18	13445.04	0.000000 %
N850E150-10/31-18	13445.05	0.000673 %
N850E500-10/31-18	13445.06	0.000000 %
N850E750-11/1-18	13445.07	0.000000 %
N900E100-10/31-18	13445.08	0.000000 %
N900E300-10/31-18A	13445.09	0.000000 %
N900E400-10/31-18	13445.10	0.000000 %
N950E100-10/31-18	13445.11	0.001087 %
N1000E200-10/31-18	13445.12	0.000000 %
N1000E350-10/31-18	13445.13	0.000000 %
N1100E150-10/31-18	13445.14	0.000493 %
N1100E200-10/31-18	13445.15	0.000000 %
N1100E300-10/30-18	13445.16	0.000000 %
N1100E300-10/31-18	13445.17	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. [illegible] DATE 12/07/[illegible]

ABD 001 0750

EASTERN ANALYTICAL LABORATORIES.INC.

SUMMARY OF RESULTS
QUANTITATIVE ANALYSIS OF BULK MATERIALS
FOR ASBESTOS BY TRANSMISSION ELECTRON MICROSCOPY

ALLIANCE TECH. CORP.
1-635-195-02PA2-0
EDWARD MACKINNON

SAMPLE NO.	LAB NO.	PERCENT ASBESTOS
N750E600-11/2-48	13445.18	0.000000 %
N750E600-11/2-48D	13445.18D	0.000000 %
N1100E350-10/30-18	13445.19	0.000283 %
N1100E400-10/30-18	13445.20	0.000000 %
N1100E450-10/30-18	13445.21	0.000000 %
N1100E550-10/30-18	13445.22	0.434025 %
N1100E750-11/2-96	13445.24	0.043027 %
N1200E350-10/29-36B	13445.25	0.000000 %
N1200E750-11/1-18	13445.26	0.000000 %
N1250E300-10/30-18	13445.27	0.000448 %
N1300E400-10/29-18	13445.28	0.000000 %
N1350E650-10/30-18	13445.29	0.000000 %
N1400E250-10/30-18	13445.30	0.000000 %
N1400E350-10/30-18	13445.31	0.000000 %
N1450E700-11/1-18	13445.32	0.000000 %
N1200E450-10/29-36	13445.33	0.000000 %
N1200E450-10/29-36D	13445.33D	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. Dim DATE 12/27/89

ABD 001 0751

EASTERN ANALYTICAL LABORATORIES, INC.

SUMMARY OF RESULTS
QUANTITATIVE ANALYSIS OF BULK MATERIALS
FOR ASBESTOS BY TRANSMISSION ELECTRON MICROSCOPY

ALLIANCE TECH. CORP.
1-635-195-02PA2-0
EDWARD MACKINNON

SAMPLE NO.	LAB NO.	PERCENT ASBESTOS
N650E600-11/1-6A	13445.34	1.060388 %
N850E600-11/2-6	13445.35	0.330782 %
N1217E587-10/30-6	13445.36	0.037740 %
N1400E650-10/30-6	13445.37	0.479973 %
N1450E250-10/30-6	13445.38	0.095782 %
N1450E650-11/1-6	13445.39	0.971433 %
EAL13445.CONTROL	13445.CONT	0.000000 %
EAL13445.CONTROL-B	13445.CONT-B	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. [illegible] DATE 12/27/93

ABD 001 0752

EASTERN ANALYTICAL LABORATORIES, INC.

SUMMARY OF RESULTS
QUANTITATIVE ANALYSIS OF BULK MATERIALS
FOR ASBESTOS BY TRANSMISSION ELECTRON MICROSCOPY

ALLIANCE TECH. CORP.
1-635-195-02PA2-0
EDWARD MACKINNON

SAMPLE NO.	LAB NO.	PERCENT ASBESTOS
N1150E400-18-10/29	13340.01	0.000000 %
N1150E400-18-10/29D	13340.01D	0.000000 %
N1150E450-18-10/29	13340.02	0.000000 %
N1200E100-18-10/31	13340.03	0.000000 %
N1200E350-18-10/29A	13340.04	0.000000 %
N1200E350-18-10/29B	13340.05	0.000371 %
N1200E450-18-10/29	13340.06	0.000306 %
N1200E500-18-10/29A	13340.07	0.000000 %
N1200E500-18-10/29B	13340.08	0.000000 %
N1200E550-18-10/30A	13340.09A	0.000000 %
N1200E550-18-10/30B	13340.09B	0.000000 %
N1250E550-18-10/30	13340.10	0.000000 %
N1250E500-18-10/29	13340.11	0.000000 %
N1250E600-18-10/30	13340.12	0.000000 %
N1300E350-18-10/30A	13340.13	0.000000 %
N1300E350-18-10/30B	13340.14	0.000000 %
N1300E450-18-10/30	13340.15	0.000000 %
N1300E450-18-10/30D	13340.15D	0.000000 %
N1300E500-18-10/30	13340.16	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. [illegible] DATE 11-15-90

ABD 001 0753

EASTERN ANALYTICAL LABORATORIES, INC.

SUMMARY OF RESULTS
QUANTITATIVE ANALYSIS OF BULK MATERIALS
FOR ASBESTOS BY TRANSMISSION ELECTRON MICROSCOPY

ALLIANCE TECH. CORP.
1-635-195-02PA2-0
EDWARD MACKINNON

SAMPLE NO.	LAB NO.	PERCENT ASBESTOS
N1350E450-18-10/30	13340.17	0.000000 %
N1350E500-18-10/30	13340.18	0.000000 %
N1400E300-18-10/30	13340.19	0.000000 %
N1400E400-18-10/30A	13340.20	0.000000 %
N1400E400-18-10/30B	13340.21	0.000000 %
N1400E450-18-10/30	13340.22	0.000000 %
N1400E500-18-10/30	13340.23	0.000000 %
N1400E600-18-10/30	13340.24	0.000000 %
N1450E450-18-10/30	13340.25	0.000000 %
N1450E450-18-10/30D	13340.25D	0.000000 %
N1450E600-18-10/30	13340.26	0.000000 %
EAL13340CONTROL	13340.CONT	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. Bly DATE 11.15.90

ABD 001 0754

EASTERN ANALYTICAL LABORATORIES.INC.

SUMMARY OF RESULTS
QUANTITATIVE ANALYSIS OF BULK MATERIALS
FOR ASBESTOS BY TRANSMISSION ELECTRON MICROSCOPY

ALLIANCE TECH. CORP.
1-635-195-02PA2-0
EDWARD MACKINNON

SAMPLE NO.	LAB NO.	PERCENT ASBESTOS
N1200E750-11/1-6	13241.08	0.000374 %
N1050E800-11/1-6	13241.10	0.000000 %
N1450E700-11/1-6	13241.11	0.000347 %
N1300E700-11/1-6	13241.14	0.000501 %
N850E750-11/1-6	13241.15	0.000000 %
N850E750-11/1-6DUP	13241.15D	0.000408 %
N950E800-11/1-6B	13241.16	0.000000 %
N1150E800-11/1-6	13241.17	0.000000 %
N600E600-11/1-6	13241.18	0.002181 %
N700E650-11/1-6	13241.19	0.000000 %
N950E800-11/1-6A	13241.20	0.000000 %
N1350E800-11/1-6	13241.21	0.000000 %
N1250E800-11/1-6	13241.22	0.000000 %
N650E650-11/1-6	13241.23	0.000000 %
N750E750-11/1-6	13241.24	0.000000 %
EAL-CONTROL	13241.CONTROL	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. [illegible] DATE 11/06/9[illegible]

ABD 001 0755

EASTERN ANALYTICAL LABORATORIES, INC.

SUMMARY OF RESULTS
QUANTITATIVE ANALYSIS OF BULK MATERIALS
FOR ASBESTOS BY TRANSMISSION ELECTRON MICROSCOPY

ALLIANCE TECH. CORP.
1-635-195-02PA2-0
EDWARD MACKINNON

SAMPLE NO.	LAB NO.	PERCENT ASBESTOS
N1100E100-10/31-6	13240.01	0.000204 %
N1100E100-10/31-6DUP	13240.01D	0.000000 %
N1200E100-10/31-6	13240.02	0.000000 %
N900E100-10/31-6	13240.03	0.001116 %
N850E300-10/31-6	13240.04	0.000000 %
N750E100-10/31-6	13240.06	0.001961 %
N850E150-10/31-6	13240.07	0.001789 %
N800E300-10/31-6	13240.09	0.000000 %
N800E300-10/31-6DUP	13240.09D	0.000000 %
N750E400-10/31-6	13240.10	0.015706 %
N950E500-10/31-6	13240.11	0.000000 %
N900E400-10/31-6	13240.12	0.000572 %
N850E500-10/31-6	13240.13	0.000299 %
N900E500-10/31-6	13240.14	0.000000 %
N1000E350-10/31-6	13240.15	0.003162 %
N1000E350-10/31-6DUP	13240.15D	0.000193 %
N650E500-10/31-6	13240.16	0.000000 %
N650E500-10/31-6DUP	13240.16D	0.000270 %
N1200E150-10/31-6A	13240.17	0.000000 %
N1100E150-10/31-6	13240.18	0.034650 %

RESPECTFULLY SUBMITTED Ernest T. [illegible] DATE 36 7

ABD 001 0756

EASTERN ANALYTICAL LABORATORIES, INC.

SUMMARY OF RESULTS
QUANTITATIVE ANALYSIS OF BULK MATERIALS
FOR ASBESTOS BY TRANSMISSION ELECTRON MICROSCOPY

ALLIANCE TECH. CORP.
1-635-195-02PA2-0
EDWARD MACKINNON

SAMPLE NO.	LAB NO.	PERCENT ASBESTOS
N650E550-10/31-6	13240.19	0.000000 %
N600E500-10/31-6	13240.20	0.000000 %
N650E450-10/31-6	13240.21	0.000000 %
N800E400-10/31-6	13240.22	0.003776 %
N900E300-10/31-6A	13240.23	0.000612 %
N700E450-10/31-6	13240.25	0.000000 %
N1000E250-10/31-6	13240.26	0.000646 %
N1100E350-10/31-6	13240.27	0.027969 %
N950E200-10/31-6	13240.28	0.000000 %
N600E550-10/31-6	13240.29	0.000000 %
N1000E400-10/31-6	13240.31	0.000000 %
N1100E200-10/31-6	13240.33	0.000405 %
N1000E500-10/31-6	13240.34	0.000285 %
N750E500-10/31-6	13240.35	0.001113 %
N1100E300-10/31-6	13240.36	0.006048 %
N900E300-10/31-6B	13240.38	0.003081 %
N1000E200-10/31-6	13240.39	0.003483 %
EAL13240.CONTROL	13240.CONT	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. Nolan DATE 11/23/91

ABD 001 0757

EASTERN ANALYTICAL LABORATORIES, INC.

SUMMARY OF RESULTS
QUANTITATIVE ANALYSIS OF BULK MATERIALS
FOR ASBESTOS BY TRANSMISSION ELECTRON MICROSCOPY

ALLIANCE TECH. CORP.
1-635-195-02PA2-0
EDWARD MACKINNON

SAMPLE NO.	LAB NO.	PERCENT ASBESTOS
N1200E750-11/1-6	13241.08	0.000374 %
N1050E800-11/1-6	13241.10	0.000000 %
N1450E700-11/1-6	13241.11	0.000347 %
N1300E700-11/1-6	13241.14	0.000501 %
N850E750-11/1-6	13241.15	0.000000 %
N850E750-11/1-6DUP	13241.15D	0.000408 %
N950E800-11/1-6B	13241.16	0.000000 %
N1150E800-11/1-6	13241.17	0.000000 %
N600E600-11/1-6	13241.18	0.002181 %
N700E650-11/1-6	13241.19	0.000000 %
N950E800-11/1-6A	13241.20	0.000000 %
N1350E800-11/1-6	13241.21	0.000000 %
N1250E800-11/1-6	13241.22	0.000000 %
N650E650-11/1-6	13241.23	0.000000 %
N750E750-11/1-6	13241.24	0.000000 %
EAL-CONTROL	13241.CONTROL	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. Dobr DATE 11/06/90

ABD 001 0758

EASTERN ANALYTICAL LABORATORIES.INC.

SUMMARY OF RESULTS
QUANTITATIVE ANALYSIS OF BULK MATERIALS
FOR ASBESTOS BY TRANSMISSION ELECTRON MICROSCOPY

ALLIANCE TECH. CORP.
PRIME 68-W9-0003
EDWARD MACKINNON

SAMPLE NO.	LAB NO.	PERCENT ASBESTOS
N1200E500-10/29-6B	13193.02	0.000000 %
N1200E400-10/29-6A	13193.03	0.001021 %
N1150E500-10/29-6	13193.04	0.000868 %
N1200E450-10/29-6	13193.05	0.000000 %
N1150E450-10/29-6	13193.06	0.000000 %
N1200E350-10/29-6A	13193.07	0.000000 %
N1250E500-10/29-6	13193.08	0.000000 %
N1250E350-10/29-6	13193.09	0.000000 %
N1250E400-10/29-6	13193.10	0.004118 %
N1150E350-10/29-6	13193.11	0.000315 %
N1250E450-10/29-6	13193.12	0.000856 %
N1150E400-10/29-6	13193.13	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. [illegible] DATE [illegible]

ABD 001 0759

EASTERN ANALYTICAL LABORATORIES, INC.

SUMMARY OF RESULTS
QUANTITATIVE ANALYSIS OF BULK MATERIALS
FOR ASBESTOS BY TRANSMISSION ELECTRON MICROSCOPY

ALLIANCE TECH. CORP.
PRIME 68-W9-0003
EDWARD MACKINNON

SAMPLE NO.	LAB NO.	PERCENT ASBESTOS
N1200E500-10/29-6A	13193.14	0.000000 %
N1300E400-10/29-6	13193.15	0.003192 %
N1200E350-10/29-6A-D	13193.07DUPL	0.000000 %
EAL-CONTROL	13193.23CONTROL	0.000000 %

RESPECTFULLY SUBMITTED _____ DATE _____

ABD 001 0760

EASTERN ANALYTICAL LABORATORIES.INC.

SUMMARY OF RESULTS
QUANTITATIVE ANALYSIS OF BULK MATERIALS
FOR ASBESTOS BY TRANSMISSION ELECTRON MICROSCOPY

ALLIANCE TECH. CORP.
1-635-195-02PA2-0
EDWARD MACKINNON

SAMPLE NO.	LAB NO.	PERCENT ASBESTOS
N1050E450-10/30-6	13205.02	0.000000 %
N1100E550-10/30-6	13205.03	0.546812 %
N1250E550-10/30-6	13205.04	0.000000 %
N1200E550-10/30-6A	13205.05	0.000000 %
N1300E350-10/30-6A	13205.06	0.000000 %
N1150E550-10/30-6	13205.07	0.011684 %
N1400E450-10/30-6	13205.09	0.000000 %
N1100E300-10/30-6	13205.11	0.001695 %
N1400E400-10/30-6A	13205.12	0.000000 %
N1400E250-10/30-6	13205.14	0.001273 %
N1400E300-10/30-6	13205.15	0.000000 %
N1450E600-10/30-6	13205.18	0.000000 %
N1300E350-10/30-6B	13205.19	0.000000 %
N1450E600-10/30-6DUP	13205.18D	0.000000 %
N1100E500-10/30-6	13205.20	0.000000 %
N1450E550-10/30-6	13205.21	0.000666 %
N1400E600-10/30-6	13205.22	0.000000 %
N1400E600-10/30-6DUP	13205.22D	0.000229 %
N1450E500-10/30-6	13205.23	0.000377 %
N1100E450-10/30-6	13205.24	0.000387 %

RESPECTFULLY SUBMITTED Ernest T. Dobi DATE 11/22/90

ABD 001 0761

EASTERN ANALYTICAL LABORATORIES, INC.

SUMMARY OF RESULTS
QUANTITATIVE ANALYSIS OF BULK MATERIALS
FOR ASBESTOS BY TRANSMISSION ELECTRON MICROSCOPY

ALLIANCE TECH. CORP.
1-635-195-02PA2-0
EDWARD MACKINNON

SAMPLE NO.	LAB NO.	PERCENT ASBESTOS
N1450E450-10/30-6	13205.25	0.000000 %
N1300E450-10/30-6	13205.26	0.000000 %
N1300E450-10/30-6DUP	13205.26D	0.000000 %
N1400E350-10/30-6	13205.27	0.000376 %
N1100E400-10/30-6	13205.28	0.002123 %
N1250E300-10/30-6	13205.29	0.006313 %
N1400E400-10/30-6B	13205.30	0.000000 %
N1250E600-10/30-6	13205.31	0.000000 %
N1350E450-10/30-6	13205.33	0.000000 %
N1350E500-10/30-6	13205.34	0.000000 %
N1400E500-10/30-6	13205.35	0.000000 %
N1350E650-10/30-6	13205.36	0.006597 %
N1350E400-10/30-6	13205.37	0.000222 %
EAL-CONTROL	13205.CONTROL	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. [illegible] DATE [illegible]

ABD 001 0762

EASTERN ANALYTICAL LABORATORIES, INC.

SUMMARY OF RESULTS
QUANTITATIVE ANALYSIS OF BULK MATERIALS
FOR ASBESTOS BY TRANSMISSION ELECTRON MICROSCOPY

ALLIANCE TECH. CORP.
1-635-195-02PA2-0
EDWARD MACKINNON

SAMPLE NO.	LAB NO.	PERCENT ASBESTOS
WETLANDS-11/2-6	13267.02	0.000000 %
N750E600-11/2-6	13267.03	0.163962 %
N1100E800-11/2-6	13267.05	0.000000 %
NWWETLANDS-11/2-6	13267.07	0.000000 %
NWUPLANDS-11/2-6	13267.08	0.000000 %
N1100E750-11/2-24	13267.12	0.017218 %
N1100E750-11/2-24DUP	13267.12D	0.005544 %
NWUP-11/1-6	13267.16	0.000000 %
EAL13267-CONTROL	13267.CONT	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. Kelly DATE 11/13/90

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Client Sample #	EAL Sample #	Sample Weight (g)	Volume filtered (ml)	mass per sq. mm (picograms)	% asbestos
N1200E500-10/29-6B	13193.02	0.73252	5 ml	0	0
N1200E400-10/29-6A	13193.03	0.76847	5 ml	5.096	0.001021
N1150E500-10/29-6	.04	0.69177	5 ml	3.9	0.000868
N1200E450-10/29-6	.05	0.85395	5 ml	0	0
N1150E450-10/29-6	.06	0.63189	5 ml	0	0
N1200E350-10/29-6A	.07	0.78644	5 ml	0	0
N1250E500-10/29-6	.08	0.94463	5 ml	0	0
N1250E350-10/29-6	.09	1.21517	5 ml	0	0
N1250E400-10/29-6	.10	0.63870	5 ml	17.07979	0.004118
N1150E350-10/29-6	.11	1.13146	5 ml	2,316.168	0.000315
N1250E450-10/29-6	.12	0.65468	5 ml	3.69	0.000856
N1150E400-10/29-6	.13	0.98170	5 ml	0	0
N1200E500-10/29-6A	.14	0.95520	5 ml	0	0
N1300E400-10/29-6	.15	0.51436	5 ml	10.66	0.003192
	~~.16~~				
—	13193.16-22 PCM				
—	~~.23~~ .23	~~contrast~~	5 ml	0	0
~~N1250E450-10/29-6B~~	~~13193.01 (PLM)~~	~~1.10743~~	~~5 ml~~		
N1200E350-10/29-6A	13193.070 (PEM)	0.77620	5 ml	0	0

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Client Sample #	RAL Sample #	Sample Weight	Volume Filtered	Mass per sq. mm	% Moist
N100E450-10/30-6	13205.02	0.73 g.	5 ml		
N100E550-10/30-6	.03	0.66	5 ml		
N350E550-10/30-6	.04	0.65	5 ml		
N200E550-10/30-6A	.05	0.66	5 ml		
N300E350-10/30-6A	.06	0.55	5 ml		
N150E550-10/30-6	.07	0.68	5 ml		
N400E400-10/30-6	.09	0.55	5 ml		
N100E300-10/30-6	.11	0.65	5 ml		
N400E400-10/30-6A	.12	0.62	5 ml		
N400E250-10/30-6	.14	0.60	5 ml		
N400E300-10/30-6	.15	0.54	5 ml		
N450E600-10/30-6	.18	0.77	5 ml		
N450E600-10/30-6	.18D	0.57	5 ml		
N300E350-10/30-6B	.19	0.77	5 ml		
N100E500-10/30-6	.20	0.67	5 ml		
N450E550-10/30-6	.21	0.57	5 ml		
N400E600-10/30-6	.22	0.80	5 ml		
" "	.22D	0.63	5 ml		
N450E500-10/30-6	.23	0.75	5 ml		
N100E450-10/30-6	.24	0.58	5 ml		
N450E450-10/30-6	.25	0.68	5 ml		
N300E450-10/30-6	.26	0.55	5 ml		
" "	.26D	0.66	5 ml		
N400E350-10/30-6	.27	0.42	5 ml		
N100E400-10/30-6	.28	0.66	5 ml		
N250E300-10/30-6	.29	0.60	5 ml		
N400E400-10/30-6B	.30	0.60	5 ml		
N250E600-10/30-6	.31	0.67	5 ml		
N350E450-10/30-6	.33	0.68	5 ml		
N350E500-10/30-6	.34	0.54	5 ml		
N400E500-10/30-6	.35	0.57	5 ml		
N350E650-10/30-6	.36	0.53	5 ml		
N350E400-10/30-6	.37	0.52	5 ml		

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Read and Understood By

Signed: [illegible] Date: 10-31-90 Signed: Date:

ABD 001 0765

Notebook No. _____

PROJECT Alliance

Continued From Page _____

Client TEM Sample #	EAL Sample #	Sample Weight	Volume filtered	Mass picograms	% Asbestos
N1150 E 400 - 10/29 - 18	13340.01	0.52	5 ml	0	0.0%
N1150 E 450 - 10/29 - 18	.02	0.57		0	0.0%
N1200 E 100 - 10/31 - 18	.03	0.62		0	0.0%
N1200 E 350 - 10/29 - 18 A	.04	0.68		0	0.0%
N1200 E 350 - 10/29 - 18 B	.05	0.54		1.3	0.000371%
N1200 E 450 - 10/29 - 18	.06	0.55		1.092	0.000306%
N1200 E 500 - 10/29 - 18 A	.07	0.53		0	0.0%
N1200 E 500 - 10/29 - 18 B	.08	0.55		0	0.0%
N1200 E 550 - 10/30 - 18 A	.09A	0.56		0	0.0%
N1200 E 550 - 10/30 - 18 B	.09B	0.59		0	0.0%
N1250 E 550 - 10/30 - 18	.10	0.60		0	0.0%
N1250 E 500 - 10/29 - 18	.11	0.62		0	0.0%
N1250 E 600 - 10/30 - 18	.12	0.67		0	0.0%
N1300 E 350 - 10/30 - 18 A	.13	0.62		0	0.0%
N1300 E 350 - 10/30 - 18 B	.14	0.61		0	0.0%
N1300 E 450 - 10/30 - 18	.15	0.62		0	0.0%
N1300 E 500 - 10/30 - 18	.16	0.60		0	0.0%
N1350 E 450 - 10/30 - 18	.17	0.72		0	0.0%
N1350 E 500 - 10/30 - 18	.18	0.57		0	0.0%
N1400 E 300 - 10/30 - 18	.19	0.52		0	0.0%
N1400 E 400 - 10/30 - 18A	.20	0.58		0	0.0%
N1400 E 400 - 10/30 - 18 B	.21	0.56		0	0.0%
N1400 E 450 - 10/30 - 18	.22	0.59		0	0.0%
N1400 E 500 - 10/30 - 18	.23	0.63		0	0.0%
N1400 E 600 - 10/30 - 18	.24	0.55		0	0.0%
N1450 E 450 - 10/30 - 18	.25	0.62		0	0.0%
N1450 E 600 - 10/30 - 18	.26	0.56		0	0.0%
N1450 E 450 - 10/30 - 18	.25d	0.55		0	0.0%
N1150 E 400 - 10/29 - 18	.01d	0.58		0	0.0%
N1300 E 450 - 10/30 - 18	.15d	0.60		0	0.0%
	cont.			0	0.0%

ABD 001 0766

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Read and Understood By

John M. Knowles 11-15-90 — Signed — Date

Ernest T. Dobi 11.15.90 — Signed — Date

Notebook No. _____

PROJECT Alliance

Continued From Page _____

Client TEM Sample #	EAL Sample #	Sample weight	Volume filtered	Mass per 38 mm	% asbestos
N100E100-10/31-6	13240.01	0.53 g	5 ml	0.7004178	0.00020
N100E100-10/31-6	.02	0.59		0	0%
N900E100-10/31-6	.03	0.60		4.3472	0.00111
N850E300-10/31-6	.04	0.62		0	0%
N950E100-10/31-6	.06	0.59		7.5114	0.00196
N850E150-10/31-6	.07	0.50		5.307547	0.001739
N800E300-10/31-6	.09	0.51		0	0%
N750E400-10/31-6	.10	0.50		50.99203	0.0157
N850E500-10/31-6	.11	0.55		0	0%
N700E400-10/31-6	.12	0.56		2.08	0.00057
N850E500-10/31-6	.13	0.67		1.3	0.000270
N900E500-10/31-6	.14	0.69		0	0%
N1000E350-10/31-6	.15	0.53		10.381	0.003162
" "	.15D	0.56		0.7004178	0.000193
N1000E100-10/31-6	.01D	0.59		0	0%
N900E300-10/31-6	.09D	0.52		0	0%
N650-E500-10/31-6	.16	0.58		0	0%
" "	.16D	0.70		1.2225221	0.00027
N900E150-10/31-6A	.17	0.56		0	0%
N1000E150-10/31-6	.18	0.52		117.0	0.03415
N650E550-10/31-6	.19	0.60		0	0%
N600E500-10/31-6	.20	0.55		0	0%
N650E450-10/31-6	.21	0.63		0	0%
N900E400-10/31-6	.22	0.58		14.222	0.00371
N900E300-10/31-6A	.23	0.55		2.184	0.0006
N700E450-10/31-6	.25	0.55		0	0%
N1000E250-10/31-6	.26	0.62		2.6	0.000
N1000E350-10/31-6	.27	0.65		113.051	0.037
N950E200-10/31-6	.28	0.54		0	0%
N600E550-10/31-6	.29	0.59		0	0%
N1000E400-10/31-6	.31	0.57		0	0%
N950E200-10/31-6	.33	0.54		1.419	0.00
N1000E500-10/31-6	.34	0.59		1.092	

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0.010265

Read and Understood By

Signed	Date	Signed	Date
[illegible]	11-2-90	Everett [illegible]	11/06/90

ABD 001 0767

Notebook No. _____ 7

PROJECT _____ Continued From Page 6

Client TEM Sample #	EAL Sample #	Sample weight	Volume filtered	Mass per sq. mm	% asbestos
N750E500-10/31-6	13240.35	0.65g	5ml	4.69688	0.001173%
N900E300-10/31-6	.36	0.58g	↓	22.77593	0.0060423%
N900E300-10/31-6B	.38	0.53g	↓	10.60287	0.003081%
N1000E200-10/31-6	.39	0.57g	↓	12.89103	0.003483%
N/A	cont.	—	↓	0	0%

ABD 001 0768

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Read and Understood By

[signature] 11-5-90 Ernest T [signature] 11/06/90

Signed Date Signed Date

8

Notebook No. _____

PROJECT Alliance

Continued From Page _____

Client TEM Sample #	EAL Sample #	Sample Weight	Volume filtered	Mass picograms ~~per sq mm~~	% Asbestos
N1200E750-11/1-6	13241.08	0.54g	5 ml	1.37 04	0.0003
N1050E800-11/1-6	.10	0.59g		0	0.0%
N1450E700-11/1-6	.11	0.52g		1.17	0.0003
N1300E700-11/1-6	.14	0.60g		1.95	0.00055
N850E750-11/1-6	.15	0.63g		0	0.0%
" "	.15d	0.55		1.45	0.00040
N950E800-11/1-6B	.16	0.55		0	0.0%
N950E800-11/1-6	.17	0.55		0	0.0%
N600E600-11/1-6	.18	0.61		8.64	0.00218
N700E650-11/1-6	.19	0.56		0	0.0%
N950E800-11/1-6A	.20	0.56		0	0.0%
N1350E800-11/1-6	.21	0.63		0	0.0%
N1250E800-11/1-6	.22	0.56		0	0.0%
N650E650-11/1-6	.23	0.55		0	0.0%
N700E700-11/1-6	.24	0.52		0	0.0%
	13241 cont.	—	5 ml	0	0.0%

PLM SAMPLES 5 NOV 90

Sample	Wgt	Before ~~Ash~~ Ash	After	Loss	% Loss
~~13205.03~~					
~~13205.03~~		~~1.05~~			
13205.03		1.22	1.13	0.09	7%
13240.05		1.05	0.89	0.16	15
"	.08	1.05	0.83	0.22	21
"	.24	0.98	0.62	0.36	37
"	.30	1.04	0.73	0.31	30
"	.32	1.03	0.98	0.05	5
"	.32d	1.05	1.03	0.02	2
"	.37	1.01	0.90	0.11	11

ABD 001 0769

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Read and Understood By

[signature] 11-6-90 [signature] [illegible]

Signed Date Signed Date

13343

Notebook No. _____ 9

PROJECT Alliance

Continued From Page _____

Client TEM Sample #	EAL Sample #	Sample Weight	Volume Filtered	Mass in picograms	% Asbestos
WETLANDS-11/2-6	13267.02	0.50g	5ml	0.0	0.0%
N750E600-11/2-6	.03	0.58		617.5779	0.163962%
N100E800-11/2-6	.05	0.67		0.0	0.0%
NWWETLANDS-11/2-6	.07	0.52		0.0	0.0%
NWUPLANDS-11/2-6	.08	0.66		0.0	0.0%
N100E750-11/2-24	.12	0.66		67.08297	0.017218%
	cont.				0.0%
NWUP-11/2-6	.16	0.57		0.0	0.0%
N100E750-11/2-24	.17d	0.52		18.72205	0.005544

PLM SAMPLES

SAMPLE # EAL	Sample Wgt Before Ashing	Sample Wgt After Ashing	Loss	% Loss
13267.01	01.03g	0.98	.05	5
.04	1.13	0.99	.14	12
.06	1.03	1.01	.02	2
.09	1.02	0.98	.04	4
.10	1.17	1.14	.03	3
.11	1.23	1.15	.08	7
.11d	1.30	1.22	.08	6
.13	1.15	1.08	.07	6
.14	1.12	1.07	.05	4
.15	1.26	1.24	.02	2
.17	.18	1.15	.03	3

ABD 001 0770

Continued or Page

Read and Understood By

John H. Knowles — Signed — 11-7-90 — Date

Ernesto T. Bobi — Signed — 11.14.90 — Date

EASTERN ANALYTICAL LABORATORIES, INC.

149 Rangeway Road
N. Billerica, MA 01862

Telephone: (617) 272-5212
Fax: (508) 667-7871

Date: 12/3/90

To: Michael White Company: Alliance Tech Corp

From: Ernie Dobi

Subject: Project 1-635-195-02PA2-0
sample weights for jobs 13240 + 13241

Pages: 4 (Including cover. Please call if you don't receive all the pages.)

Comments:

ABD 001 0771

Transmitted on Toshiba TF-221

Notebook No. _____

PROJECT Alliance

Continued From Page _____

CLIENT TEM SAMPLE #	EAL SAMPLE #	SAMPLE WEIGHT	VOLUME FILTERED	MASS PICOGRAMS	% ASBESTOS
N600 E600-11/1-18	13445.01	.51	5 mL	0.0	0.0%
N650 E500-10/31-18	.02	.53		0.0	0.0%
N750 E400-10/31-18	.03	.50		11.61836	0.00357
N750 E400-10/31-18D	.03D	.50		54.64519	0.0168
N750 E500-10/31-18	.04	.50		0.0	0.0%
N850 E150-10/31-18	.05	.50		2.184	0.00067
N850 E500-10/31-18	.06	.50		0.0	0.0%
N850 E750-11/1-18	.07	.53		0.0	0.0%
N900 E100-10/31-18	.08	.54		0.0	0.0%
N900 E300-10/31-18A	.09	.51		0.0	0.0%
N900 E400-10/31-18	.10	.50		0.0	0.0%
N950 E100-10/31-18	.11	.50		3.529212	0.00108
N1000 E200-10/31-18	.12	.50		0.0	0.0%
N1000 E350-10/31-18	.13	.50		0.0	0.0%
N1100 E150-10/31-18	.14	.51		1.633428	0.00049
N1100 E200-10/31-18	.15	.50		0.0	0.0%
N1100 E300-10/30-18	.16	.50		0.0	0.0%
N1100 E300-10/31-18	.17	.53		0.0	0.0%
N750 E600-11/2-48	.18	.54		0.0	0.0%
N750 E600-11/2-48D	.18D	.51		0.0	0.0%
N1100 E350-10/30-18	.19	.51		0.936	0.00028
N1100 E400-10/30-18	.20	.53		0.0	0.0%
N1100 E450-10/30-18	.21	.50		0.0	0.0%
N1100 E550-10/30-18	.22	.50		1409.173	0.43402
N1100 E750-11/2-46	.24	.51		142.4904	0.04302
N1200 E350-10/29-36B	.25	.51		0.0	0.0
N1200 E750-11/1-18	.26	0.52		0.0	0.0
N1250 E300-10/30-18	.27	.50		1.456	0.0
N1300 E400-10/29-18	.28	.52		0.0	0.0
N1350 E650-10/30-18	.29	.52		0.0	0.0
N1400 E250-10/30-18	.30	.52		0.0	0.0
N1400 E350-10/30-18	.31	.51		0.0	0.0
N1450 E700-11/1-18	.32	.51		0.0	0.0

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ABD 001 0772

Read and Understood By

Tony Yu — Signed — 11/30/90 — Date

Ernest T. Dolan — Signed — 12/7/9 — Date

Notebook No. _____

PROJECT Alliance

Continued From Page 22

CLIENT SAMPLE	TEM #	EAL SAMPLE #	SAMPLE WEIGHT	VOLUME FILTERED	MASS PICOGRAMS	% ASBESTOS
N1200 E450	-10/29-3G	13445 .33	.54	5 ml	0.0	0.0%
N1200 E 450	-10/29-3D	.33D	.50		0.0	0.0%
N650 E 600	-11/1-6A	.34	.50		3442.817	1.060388%
N850 E 600	-11/2-6	.35	.53		1138.406	0.330782%
N1217 E 587	-10/30-6	.36	.50		122.5333	0.037740%
N1400 E 650	-10/30-6	.37	.50		1558.354	0.479973%
N1450 E 250	-10/30-6	.38	.52		323.4192	0.095782%
N1450 E 650	-11/1-6	.39	.52		3280.162	0.971433%
		13445 CONT A	0.0		0.0	0.0%
		13445 CONT B	0.0		0.0	0.0%

ABD 001 0773

Continued on Page

Read and Understood By

Tony [illegible] — Signed — 11/30/90 — Date

Ernest T. Polig — Signed — 12/7/90 — Date

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N600E600-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.2 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 0 MICRONS (ALL STRUCTURES)
MEAN THICKNESS= .12 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 8.640001 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: [illegible]

ABD 001 0774

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N600E600-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13241
EAL SAMPLE NO: 13241.18

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-J6											
1	1	B	1.2	.2	0	.12	AM	ST	.0864	0- 2- 10- 1- 8	

PLATE#: 554
COMMENTS:AMOSITE.

ABD 001 0775

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N600E600-11/1-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES.CLUSTERS.MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES.CLUSTERS.MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: [illegible]

ABD 001 0776

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N600E600-11/1-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-03-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.01

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	L

BEGIN GRID OPENING NO. 1 LOCATED: 1-W5

PLATE#:
COMMENTS:

ABD 001 0777

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N650E450-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS.MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES.CLUSTERS.MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11/05/90

ABD 001 0778

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N650E450-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.21

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE %

BEGIN GRID OPENING NO. 1 LOCATED: 1-X2

PLATE#:
COMMENTS:

ABD 001 0779

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N650E450-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.21

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-X2

PLATE#:
COMMENTS:

ABC 001 0780

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N650E500-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES.CLUSTERS.MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES.CLUSTERS.MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Robj DATE: [illegible]

ABD 001 0781

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N650E500-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.16

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OPG No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LI

BEGIN GRID OPENING NO. 1 LOCATED: 1-X1

PLATE#:
COMMENTS:

ABD 001 0782

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N650E500-10/31-6DUP TYPE: BULK PROJECT #: 1-635-195-02MA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= .6 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1 MICRONS (ALL STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 1
NO.CHRYSOTILE BUNDLES.CLUSTERS.MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES.CLUSTERS.MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1.225221 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bly DATE: 1-25-90

ABD 001 0783

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N650E500-10/31-6DUP TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.16D

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-CL-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LI
BEGIN GRID OPENING NO. 1 LOCATED: 1-V6											
1	1	X	.6	.1	6	0	CH	FV	1.225221E-02		

PLATE#:
COMMENTS:A FEW TI FIBERS.

ABD 001 0784

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N650E500-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES.CLUSTERS.MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES.CLUSTERS.MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: _____ DATE: _____

ABD 001 0785

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N650E500-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-03-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.02

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	L
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BEGIN GRID OPENING NO. 1 LOCATED: 1-P2

PLATE#:
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N650E550-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES.CLUSTERS.MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES.CLUSTERS.MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: [illegible]

ABD 001 0787

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N650E550-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.19

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC.)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	CI

BEGIN GRID OPENING NO. 1 LOCATED: 1-W5

PLATE#:
COMMENTS:

ABD 001 0788

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N650E600-11/1-6A TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 1200 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 4.208334 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .5725 MICRONS (ALL STRUCTURES)
MEAN THICKNESS= .1572727 MICRONS(BUNDLE.CLUSTER.MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 12

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 12
NO.CHRYSOTILE FIBERS= 1
NO.CHRYSOTILE BUNDLES.CLUSTERS.MATRIX STRUCTURES= 11
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES.CLUSTERS.MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 3442.817 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 1200 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 1200 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 2/9/97

ABD 001 0789

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N650E600-11/1-6A TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.34

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LI
BEGIN GRID OPENING NO. 1 LOCATED: 1-U2											
1	1	X	1.9	.1	19	0	CH	ST	3.879866E-02		
1	2	M	1.4	.06	0	.05	CH	FV	.01092	0- 7- 10- 1- 1	
1	3	M	1.8	.06	0	.06	CH	FV	.016848	0- 8- 10- 1- 1	
1	4	M	1.3	.1	0	.1	CH	ST	.0338		
1	5	C	2	1	0	.2	CH	FV	1.04	0- 7- 10- 1- 1	
1	6	M	8.5	.1	0	.1	CH	ST	.221		
1	7	M	8.5	.1	0	.1	CH	ST	.221	0- 8- 10- 0-	
1	8	B	1.5	.15	0	.12	CH	ST	.0702		
1	9	M	5.6	.1	0	.1	CH	FV	.1456		
1	10	B	8	2	0	.5	CH	ST	20.8	0- 6- 10- 0-	
1	11	M	5	3	0	.3	CH	ST	11.7		
1	12	M	5	.1	0	.1	CH	FV	.13	0- 7- 10- 1-	

ABD 001 0790

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N650E650-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Wu DATE: 11/26/90

ABD 001 0791

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N650E650-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13241
EAL SAMPLE NO: 13241.23

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LI

BEGIN GRID OPENING NO. 1 LOCATED: 1-R5

PLATE#:
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N700E450-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES.CLUSTERS.MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES.CLUSTERS.MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTIMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: [illegible]

ABD 001 0793

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N700E450-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.25

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LI

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 0794

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N700E650-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: [illegible]

ABD 001 0795

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N700E650-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13241
EAL SAMPLE NO: 13241.19

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LI

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q2

PLATE#:
COMMENTS:A FEW TI FIBERS WERE PRESENT.

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N750E400-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02DA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 1400 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.6 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 9.500001E-02 MICRONS (ALL STRUCTURES)
MEAN THICKNESS= 9.272728E-02 MICRONS(BUNDLE.CLUSTER.MATRIX STRUCTURES

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 14

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 14
NO.CHRYSOTILE FIBERS= 3
NO.CHRYSOTILE BUNDLES.CLUSTERS.MATRIX STRUCTURES= 11
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES.CLUSTERS.MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 50.99223 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 1400 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 1400 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: [illegible]

ABD 001 0797

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N750E400-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.10

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS ng	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-X2											
1	1	M	2	.1	0	.1	CH	FV	.052	0- 8- 10- 2- 2	
1	2	M	1.1	.08	0	.07	CH	FV	.016016	0- 8- 10- 2- 3	
1	3	B	1.5	.11	0	.1	CH	ST	.0429		
1	4	F	1.6	.08	20	0	CH	FV	2.091044E-02	0- 7- 10- 1- 1	
1	5	F	1	.08	12.5	0	CH	FV	1.306902E-02	0- 7- 10- 2- 2	
1	6	M	2.1	.08	0	.07	CH	ST	.030576	0- 7- 10- 1- 2	
1	7	M	.6	.1	0	.1	CH	FV	.0156	0- 7- 10- 2- 2	
1	8	M	1	.08	0	.08	CH	NX	.01664	0- 8- 10- 2- 2	
1	9	F	2.5	.1	25	0	CH	FV	5.105087E-02	0- 8- 10- 1- 1	
1	10	M	.8	.1	0	.1	CH	NX	.0208	0- 7- 10- 1-	
1	11	M	1.4	.1	0	.1	CH	NX	.0364	0- 7- 10- 1- 1	
1	12	M	2	.1	0	.1	CH	ST	.052		
1	13	M	3.3	.12	0	.1	CH	ST	.10296		

ABD 001 0798

1	14	M	1.5	.1	0	.1	CH	NX	.039	0- 8- 10- 1- 2

PLATE#: 550
COMMENTS:

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ABD 001 0800

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N750E400-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 500 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.25 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 8.399999E-02 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= 7.333333E-02 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 7

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 5
NO.CHRYSOTILE FIBERS= 2
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 3
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 2

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 11.61836 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 500 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 700 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/3/9[illegible]

ABD 001 0801

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N750E400-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-03-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.03

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE
BEGIN GRID OPENING NO. 1 LOCATED: 1-P2										
1	1	M	.8	.06	0	.05	CH	FV	.00624	0- 5- 10- 0- 1
1	2	M	1.1	.1	0	.1	CH	FV	.0286	0- 5- 10- 1- 1
1	3	B	2.5	.12	0	.1	NA	NP	0	0- 1- 10- 0- 2
1	4	F	3.2	.1	32	0	CH	FV	6.534511E-02	0- 7- 10- 1- 2
1	5	M	.65	.08	0	.07	CH	FV	9.463999E-03	
1	6	F	.5	.08	6.3	0	CH	FV	6.534511E-03	
1	7	F	1	.1	10	0	NA	NP	0	

PLATE#: 591
COMMENTS:

ABD 001 0802

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N750 E400-10/31-18 DUP TYPE: SOIL PROJECT #: 1-635-195-02FA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 600 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= .8 MICRONS (ALL STRUCTURES)
~~MEAN WIDTH= .1483333 MICRONS (ALL STRUCTURES)~~
MEAN THCKNESS= .06 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 6

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 6
NO.CHRYSOTILE FIBERS= 3
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 3
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 54.64569 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 600 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 600 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

ABD 001 0803

RESPECTFULLY SUBMITTED: Qiong Li DATE: 12.4.90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N750 E400-10/31-18 DUP TYPE: SOIL PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 12-04-1990 EAL JOB NO:R:13445
EAL SAMPLE NO: 13445.03 DUP

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE.. >=5
BEGIN GRID OPENING NO. 1 LOCATED: 1-N1											
1	1	M	.5	.06	0	.06	CH	FV	.00468		
1	2	M	.7	.06	0	.06	CH	FV	.006552		
1	3	F	.7	.6	1.2	0	CH	FV	.5145928		
1	4	M	1	.06	0	.06	CH	FV	9.359999E-03		
1	5	F	1.2	.05	24	0	CH	FV	6.126105E-03		
1	6	X	.7	.06	11.7	0	CH	FV	5.145928E-03		

PLATE#:
COMMENTS:

ABD 001 0804

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N750E500-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 2.3 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1 MICRONS (ALL STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 2

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 1
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 1

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0805

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 4.69668 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 200 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dolci DATE: 11/06/91

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N750E500-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.35

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	L
BEGIN GRID OPENING NO. 1 LOCATED: 1-N6											
1	1	M	2.3	.22	0	.15	NA	NP	0	0- 2- 10- 3- 4	.
1	2	F	2.3	.1	23	0	CH	FV	.0469668	0- 7- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 0806

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N750E500-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

ABD 001 0807

RESPECTFULLY SUBMITTED: Ernest T. Bolm DATE: 12/13/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N750E500-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-03-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.04

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q6

PLATE#:
COMMENTS:

ABD 001 0808

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N750E600-11/2-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 1500 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 6.08 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .182 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .1214286 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 15

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 15
NO.CHRYSOTILE FIBERS= 1
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 14
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0809

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 617.5179 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 1500 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 1500 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobi DATE: 11/07/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N750E600-11/2-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-07-1990 EAL JOB NO:13267
EAL SAMPLE NO: 13267.03

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

ABD 001 0810

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE
BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1										
1	1	M	3.1	.08	0	.07	CH	FV	.045136	0- 8- 10- 3- 3
1	2	F	4.1	.08	51.3	0	CH	FV	5.358299E-02	0- 8- 10- 2- 2
1	3	M	2.7	.1	0	.1	CH	ST	.0702	
1	4	M	3.3	.1	0	.1	CH	FV	8.579999E-02	0- 7- 10- 2- 2
1	5	M	10.5	.1	0	.1	CH	ST	.273	
1	6	M	2.5	.12	0	.1	CH	ST	.078	
1	7	M	9.5	.08	0	.07	CH	FV	.13832	0- 8- 10- 2- 2
1	8	M	13	.1	0	.1	CH	FV	.338	0- 8- 10- 1- 2
1	9	M	4.5	.1	0	.1	CH	NX	.117	0- 8- 10- 0- 1
1	10	M	12	.1	0	.1	CH	ST	.312	
1	11	M	5.5	.1	0	.1	CH	NX	.143	0- 7- 10- 1- 2
1	12	B	2	1	0	.3	CH	ST	1.56	
1	13	M	4.5	.07	0	.06	CH	NX	.04914	0- 7- 10- 1- 1

1	14	M	7	.1	0	.1	CH	NX	.182	0- 8- 10- 1- 2
1	15	B	7	.5	0	.3	CH	ST	2.73	0- 8- 10- 1- 1

PLATE#: 555
COMMENTS:

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EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N750E600-11/2-48 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobi DATE: 12/5/90

ABD 001 0813

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N750E600-11/2-48 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.18

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
---	---	---	---	---	---	---	---	---	---	---	

BEGIN GRID OPENING NO. 1 LOCATED: 1-P2

PLATE#:
COMMENTS:

ABD 001 0814

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N750E600-11/2-48 DUP TYPE: SOIL PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qiong Li DATE: 12.4.90

ABD 001 0815

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N750E600-11/2-48 DUP TYPE: SOIL PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 12-04-1990 EAL JOB NO:R:13445
EAL SAMPLE NO: 13445.18 DUP

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=J

BEGIN GRID OPENING NO. 1 LOCATED: 1-G2

PLATE#:
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N750E750-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest F. [illegible] DATE: 11/06/90

ABD 001 0817

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N750E750-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13241
EAL SAMPLE NO: 13241.24

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE

BEGIN GRID OPENING NO. 1 LOCATED: 1-Y1

PLATE#:
COMMENTS:

ABD 001 0818

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N800E300-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 1

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bolj DATE: 11/05/90

ABD 001 0819

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N800E300-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.09

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1											
1	1	F	4	.25	16	0	NA	NP	0	0- 2- 10- 0- 0	

PLATE#:
COMMENTS:

ABD 001 0820

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N800E300-10/31-6DUP TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

ABD 001 0821

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 11/05/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N800E300-10/31-6DUP TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.09D

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE

BEGIN GRID OPENING NO. 1 LOCATED: 1-V1

PLATE#:
COMMENTS:

ABD 001 0822

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N800E400-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 400 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.575 MICRONS (ALL STRUCTURES).
MEAN WIDTH= .0875 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .085 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 4

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 4
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 4
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0823

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 14.222 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 400 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 400 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 11/05/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N800E400-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.22

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-H6											
1	1	M	2.8	.1	0	.1	CH	FV	.0728	0- 7- 10- 1- 2	
1	2	M	1.5	.08	0	.08	CH	FV	.02496	0- 7- 10- 2- 2	
1	3	M	1.5	.1	0	.1	CH	FV	.039	0- 7- 10- 1- 1	
1	4	M	.5	.07	0	.06	CH	FV	.00546	0- 7- 10- 1- 2	

PLATE#:
COMMENTS:

ABD 001 0824

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N850E150-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 200 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.8 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 9.000001E-02 MICRONS (ALL STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 2

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 2
NO.CHRYSOTILE FIBERS= 2
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0825

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 5.807547 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 200 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 200 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Robey DATE: 11/05/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N850E150-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.07

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-5.1											
1	1	F	1.5	.1	15	0	CH	FV	3.063052E-02	0- 8- 10- 2- 2	
1	2	F	2.1	.08	26.3	0	CH	FV	2.744495E-02	0- 8- 10- 1- 2	

PLATE#:
COMMENTS:

ABD 001 0826

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N850E150-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.5 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .08 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .07 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0827

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 2.184 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/3/91

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N850E150-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-03-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.05

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-X6											
1	1	M	1.5	.08	0	.07	CH	FV	.02184	0- 5- 10- 0- 1	

PLATE#:
COMMENTS:

ABD 001 0828

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N850E300-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11/05/90

ABD 001 0829

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N850E300-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.04

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LI

BEGIN GRID OPENING NO. 1 LOCATED: 1-I2

PLATE#:
COMMENTS:

ABD 001 0830

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N850E500-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= .5 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .1 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0831

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1.3 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bolig DATE: 11/05/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N850E500-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.13

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-P1											
1	1	M	.5	.1	0	.1	CH	FV	.013	0- 7- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 0832

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N850E500-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0833

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/3/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N850E500-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-03-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.06

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LL >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-W6

PLATE#:
COMMENTS:

ABD 001 0834

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N850E600-11/2-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 1400 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 28.99286 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1285714 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .1076923 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 14

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 14
NO.CHRYSOTILE FIBERS= 1
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 13
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0835

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1138.406 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 1400 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 1400 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/7/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N850E600-11/2-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.35

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-Y6											
1	1	F	4.9	.1	49	0	CH	FV	.1000597	0- 6- 10- 1- 1	
1	2	B	5	.2	0	.1	CH	ST	.26		
1	3	M	5	.1	0	.1	CH	ST	.13	0- 7- 10- 1- 1	
1	4	M	10	.1	0	.1	CH	FV	.26	0- 8- 10- 1- 1	Y
1	5	M	13	.1	0	.1	CH	ST	.338		Y
1	6	M	18.5								
				.1	0	.1	CH	FV	.481	0- 7- 10- 0- 1	
1	7	M	51	.1	0	.1	CH	ST	1.326		Y
1	8	M	52.5								
				.1	0	.1	CH	FV	1.365	0- 7- 10- 1- 1	
1	9	M	52	.1	0	.1	CH	ST	1.352		Y
1	10	M	37	.1	0	.1	CH	FV	.9619999	0- 8- 10- 0- 1	Y
1	11	M	20	.1	0	.1	CH	ST	.52		
1	12	B	4	.4	0	.2	CH	ST	.832		
1	13	M	28	.1	0	.1	CH	FV	.728	0- 7- 10- 1- 1	Y
1	14	M	105	.1	0	.1	CH	ST	2.73		

ABD 001 0836

PLATE#: 600
COMMENTS: PLENTY OF ASBESTOS.

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ABD 001 0838

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N850E750-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobp DATE: 11/06/90

ABD 001 0839

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N850E750-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13241
EAL SAMPLE NO: 13241.15

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	L

BEGIN GRID OPENING NO. 1 LOCATED: 1-P2

PLATE#:
COMMENTS:

ABD 001 0840

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N850E750-11/1-6DUP TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .08 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .07 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0841

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1.456 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bibi DATE: 11/06/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N850E750-11/1-6DUP TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13241
EAL SAMPLE NO: 13241.15D

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-W5											
1	1	M	1	.08	0	.07	CH	FV	.01456	0- 8- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 0842

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N850E750-11/1-18 TYPE: SOIL PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qiang Li DATE: 12.4.90

ABD 001 0843

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N850E750-11/1-18 TYPE: SOIL PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 12-04-1990 EAL JOB NO:R:13445
EAL SAMPLE NO: 13445.07

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-01

PLATE#:
COMMENTS:

ABD 001 0844

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N900E100-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 200 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.3 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .085 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .08 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 2

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 2
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 2
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 4.3472 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 200 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 200 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bolli DATE: 11/5/90

ABD 001 0845

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N900E100-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.03

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LD
BEGIN GRID OPENING NO. 1 LOCATED: 1-V5											
1	1	M	1	.1	0	.1	CH	FV	.026	0- 8- 10- 2- 2	
1	2	M	1.6	.07	0	.06	CH	FV	.017472	0- 7- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 0846

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N900E100-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0847

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/5/91

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N900E100-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.08

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE

BEGIN GRID OPENING NO. 1 LOCATED: 1-V2

PLATE#:
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N900E300-10/31-6A TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.5 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .08 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .07 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0849

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 2.184 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bolri DATE: 11/05/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N900E300-10/31-6A TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.23

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-V1											
1	1	M	1.5	.08	0	.07	CH	FV	.02184	0- 7- 10- 1- 2	

PLATE#:
COMMENTS:

ABD 001 0850

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N900E300-10/31-6B TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 2 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 0 MICRONS (ALL STRUCTURES)

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 1
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0851

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 10.60287 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Kelly DATE: 11/06/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N900E300-10/31-6B TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.38

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-01											
1	1	F	2	.15	13.3	0	AM	ST	.1060287	0- 2- 10- 1- 7	

PLATE#: 553
COMMENTS:AMOSITE.

ABD 001 0852

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N900E300-10/31-18A TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/05/90

ABD 001 0853

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N900E300-10/31-18A TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.09

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 0854

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N900E400-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= .8 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .1 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0855

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 2.08 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Kohn DATE: 11/05/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N900E400-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.12

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LI
BEGIN GRID OPENING NO. 1 LOCATED: 1-3.2											
1	1	M	.8	.1	0	.1	CH	FV	.0208	0- 7- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 0856

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N900E400-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/5/90

ABD 001 0857

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N900E400-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.10

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:

F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE

BEGIN GRID OPENING NO. 1 LOCATED: 1-V5

PLATE#:
COMMENTS:

ABD 001 0858

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N900E500-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobj DATE: 11/05/90

ABD 001 0859

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N900E500-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.14

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	L

BEGIN GRID OPENING NO. 1 LOCATED: 1-P2

PLATE#:
COMMENTS:

ABD 001 0860

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N950E100-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 500 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.06 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .08 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .076 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 5

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 5
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS.MATRIX STRUCTURES= 5
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0861

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 7.5114 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 500 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 500 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Robin DATE: 11/05/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N950E100-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.06

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-P2											
1	1	M	1.2	.08	0	.07	CH	FV	.017472	0- 7- 10- 1- 2	
1	2	M	.5	.05	0	.05	CH	FV	.00325	0- 7- 10- 2- 2	
1	3	M	.5	.1	0	.1	CH	FV	.013	0- 6- 10- 2- 1	
1	4	M	2.6	.07	0	.06	CH	ST	.028392		
1	5	M	.5	.1	0	.1	CH	FV	.013	0- 8- 10- 1- 1	

PLATE#:
COMMENTS:

ABD 001 0862

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N950E100-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 300 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= .8499999 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 8.000001E-02 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .1 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 3

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 3
NO.CHRYSOTILE FIBERS= 2
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0863

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 3.529212 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 300 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 300 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/5/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N950E100-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.11

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-K5											
1	1	F	.9	.06	15	0	CH	FV	6.616192E-03	0- 5- 10- 0- 3	
1	2	F	1.1	.08	13.8	0	CH	ST	1.437593E-02	0- 6- 10- 0- 2	
1	3	M	.55	.1	0	.1	CH	FV	.0143	0- 7- 10- 1- 1	

PLATE#:
COMMENTS:

ABD 001 0864

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N950E200-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Daly DATE: 11/05/90

ABD 001 0865

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N950E200-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.28

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE. ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE

BEGIN GRID OPENING NO. 1 LOCATED: 1-P2

PLATE#:
COMMENTS:

ABD 001 0866

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N950E500-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bolri DATE: 11/05/90

ABD 001 0867

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N950E500-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.11

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE

BEGIN GRID OPENING NO. 1 LOCATED: 1-V2

PLATE#:
COMMENTS:

ABD 001 0868

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N950E800-11/1-6A TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Obi DATE: 11/06/90

ABD 001 0869

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N950E800-11/1-6A TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13241
EAL SAMPLE NO: 13241.20

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE

BEGIN GRID OPENING NO. 1 LOCATED: 1-U1

PLATE#:
COMMENTS:

ABD 001 0870

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N950E800-11/1-6B TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

ABD 001 0871

RESPECTFULLY SUBMITTED: Ernest T. Nolj DATE: 11/06/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N950E800-11/1-6B TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13241
EAL SAMPLE NO: 13241.16

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LI

BEGIN GRID OPENING NO. 1 LOCATED: 1-C6

PLATE#:
COMMENTS:

ABD 001 0872

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1000E200-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 600 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.416667 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 7.833333E-02 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .075 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 6

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 6
NO.CHRYSOTILE FIBERS= 2
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 4
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 12.89103 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 600 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 600 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Daly DATE: 11/08/90

ABD 001 0873

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1000E200-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.39

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	L
BEGIN GRID OPENING NO. 1 LOCATED: 1-05											
1	1	M	.6	.1	0	.1	CH	FV	.0156	0- 5- 10- 2- 2	
1	2	M	.5	.06	0	.06	CH	FV	.00468	0- 7- 10- 1- 2	
1	3	F	1.2	.06	20	0	CH	FV	8.82159E-03	0- 7- 10- 1- 1	
1	4	M	1.2	.07	0	.07	CH	FV	.015288	0- 7- 10- 2- 2	
1	5	F	2	.1	20	0	CH	ST	.0408407		
1	6	M	3	.08	0	.07	CH	NX	.04368	0- 7- 10- 1- 2	

PLATE#:
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1000E200-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobb DATE: 12/5/90

ABD 001 0875

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1000E200-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.12

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE

BEGIN GRID OPENING NO. 1 LOCATED: 1-N5

PLATE#:
COMMENTS:

ABD 001 0876

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1000E250-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .1 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 2.6 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobri DATE: 11/05/90

ABD 001 0877

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1000E250-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.26

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LI
BEGIN GRID OPENING NO. 1 LOCATED: 1-X2											
1	1	M	1	.1	0	.1	CH	FV	.026	0- 8- 10- 1- 2	

PLATE#:
COMMENTS:

ABD 001 0878

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1000E350-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 400 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.275 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .0875 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .085 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 4

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 4
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 4
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0879

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 10.881 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 400 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 400 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Doli DATE: 11/05/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1000E350-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.15

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-W5											
1	1	M	1.1	.1	0	.1	CH	ST	.0286	0- 8- 10- 2- 2	
1	2	M	.5	.07	0	.07	CH	FV	.00637	0- 7- 10- 2- 2	
1	3	M	1.5	.08	0	.07	CH	FV	.02184	0- 7- 10- 1- 1	
1	4	M	2	.1	0	.1	CH	FV	.052	0- 8- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 0880

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1000E350-10/31-6DUP TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= .7 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .07 MICRONS (ALL STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 2

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 1
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 1

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0881

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= .7004178 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 200 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11/05/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1000E350-10/31-6DUP TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.15D

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1											
1	1	F	.7	.07	10	0	CH	FV	7.004178E-03	0- 8- 10- 2- 2	
1	2	M	3	.15	0	.1	NA	FV	0	0- 1- 10- 1- 0	

PLATE#:
COMMENTS:

ABD 001 0882

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1000E350-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 12/5/90

ABD 001 0883

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1000E350-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.13

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE

BEGIN GRID OPENING NO. 1 LOCATED: 1-I2

PLATE#:
COMMENTS:

ABD 001 0884

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1000E400-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETE
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

ABD 001 0885

RESPECTFULLY SUBMITTED: Ernest T. Bly DATE: 11/05/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1000E400-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.31

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE

BEGIN GRID OPENING NO. 1 LOCATED: 1-S5

PLATE#:
COMMENTS:

ABD 001 0886

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1000E500-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .07 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .06 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0887

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1.092 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bly DATE: 11/05/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1000E500-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.34

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-V6											
1	1	M	1	.07	0	.06	CH	FV	.01092	0- 7- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 0888

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1050E450-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Robi DATE: 11/1/90

ABD 001 0889

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1050E450-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.02

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-S5

PLATE#:
COMMENTS:

ABD 001 0890

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N1050E800-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bibi DATE: 11/06/90

ABD 001 0891

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N1050E800-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13241
EAL SAMPLE NO: 13241.10

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE

BEGIN GRID OPENING NO. 1 LOCATED: 1-V1

PLATE#:
COMMENTS:

ABD 001 0892

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E100-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= .7 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .07 MICRONS (ALL STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 2

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 1
NO.CHRYSOTILE BUNDLES,CLUSTERS.MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 1

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0893

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= .7004178 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 200 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 11/05/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E100-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.01

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE
BEGIN GRID OPENING NO. 1 LOCATED: -4.1										
1	1	F	.7	.07	10	0	CH	FV	7.004178E-03	0- 7- 10- 2- 2
1	2	B	1	.2	0	.12	NA	NP	0	0- 1- 10- 0- 1

PLATE#:
COMMENTS:

ABD 001 0894

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E100-10/31-6DUP TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bolj DATE: 11/05/90

ABD 001 0895

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E100-10/31-6DUP TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.01D

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-05

PLATE#:
COMMENTS:

ABD 001 0896

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E150-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 9 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .25 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .2 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0897

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 117 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Robi DATE: 11/05/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E150-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.18

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-V2											
1	1	B	9	.25	0	.2	CH	ST	1.17	0- 8- 10- 1- 1	

PLATE#: 551
COMMENTS:

ABD 001 0898

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E150-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= .8 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1 MICRONS (ALL STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 1
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0899

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1.633628 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bolin DATE: 12/5/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E150-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.14

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LF
BEGIN GRID OPENING NO. 1 LOCATED: 1-4.2											
1	1	F	.8	.1	8	0	CH	FV	1.633628E-02	0- 6- 10- 1- 2	

PLATE#:
COMMENTS:

ABD 001 0900

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E200-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.3 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .07 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .06 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0901

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1.4196 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bolj DATE: 11/05/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E200-10/3Φ-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.33

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LF
BEGIN GRID OPENING NO. 1 LOCATED: 1-I6											
1	1	M	1.3	.07	0	.06	CH	FV	.014196	0- 8- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 0902

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E200-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0903

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/5/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E200-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.15

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LF

BEGIN GRID OPENING NO. 1 LOCATED: 1-V6

PLATE#:
COMMENTS:

ABD 001 0904

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E300-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 200 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.6 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .08 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .08 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 2

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 2
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 2
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0905

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 7.1552 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 200 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 200 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11/01/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E300-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.11

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-I6											
1	1	M	.7	.06	0	.06	CH	FV	.006552	0- 7- 10- 1- 1	
1	2	M	2.5	.1	0	.1	CH	ST	.065	0- 7- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 0906

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E300-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 400 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 2.675 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .095 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .1 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 4

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 4
NO.CHRYSOTILE FIBERS= 1
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 3
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0907

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 22.77692 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 400 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 400 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bolin DATE: 11/06/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E300-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.36

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-V2											
1	1	M	1.6	.1	0	.1	CH	ST	.0416	0- 8- 10- 0- 1	
1	2	F	3.9	.08	48.8	0	CH	FV	5.096919E-02	0- 9- 10- 1- 2	
1	3	M	1.2	.1	0	.1	CH	FV	.0312	0- 8- 10- 2- 2	
1	4	M	4	.1	0	.1	CH	FV	.104		

PLATE#:
COMMENTS:

ABD 001 0908

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E300-10/30-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

ABD 001 0909

RESPECTFULLY SUBMITTED: Ernest T. Bobj DATE: 12/5/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E300-10/30-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.16

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE

BEGIN GRID OPENING NO. 1 LOCATED: 1-W5

PLATE#:
COMMENTS:

ABD 001 0910

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E300-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 1

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0911

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dolg DATE: 12/05/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E300-10/31-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.17

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-Y5											
1	1	F	2	.1	20	0	NA	NP	0	0- 0- 10- 0- 1	

PLATE#:
COMMENTS:A AL-SILICATE FIBER.

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E350-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 300 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 2.566667 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1933333 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .15 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 3

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 3
NO.CHRYSOTILE FIBERS= 1
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 2
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0913

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 118.051 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 300 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 300 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dolci DATE: 11/05/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E350-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.27

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-H5											
1	1	F	1.6	.08	20	0	CH	ST	2.091044E-02	0- 7- 10- 1- 2	
1	2	M	.6	.1	0	.1	CH	FV	.0156	0- 8- 10- 2- 3	
1	3	M	5.5	.4	0	.2	CH	ST	1.144	0- 8- 10- 1- 1	

PLATE#: 552
COMMENTS:

ABD 001 0914

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E350-10/30-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.2 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .06 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .05 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0915

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= .936 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Doby DATE: 12/5/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E350-10/30-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.19

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LF
BEGIN GRID OPENING NO. 1 LOCATED: 1-V2											
1	1	M	1.2	.06	0	.05	CH	FV	9.359999E-03	0- 5- 10- 1- 2	

PLATE#:
COMMENTS:

ABD 001 0916

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E400-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 3.5 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .1 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0917

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 9.100001 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11/01/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E400-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.28

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-X6											
1	1	M	3.5	.1	0	.1	CH	ST	.091	0- 8- 10- 0- 1	

PLATE#:
COMMENTS:A FEW TI FIBERS.

ABD 001 0918

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E400-10/30-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobij DATE: 12/5/90

ABD 001 0919

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E400-10/30-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.20

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE

BEGIN GRID OPENING NO. 1 LOCATED: 1-X2

PLATE#:
COMMENTS:

ABD 001 0920

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E450-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .08 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .07 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1.456 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 11/01/90

ABD 001 0921

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E450-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.24

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-V6											
1	1	M	1	.08	0	.07	CH	ST	.01456	0- 7- 10- 0- 1	

PLATE#:
COMMENTS:

ABD 001 0922

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E450-10/30-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/5/90

ABD 001 0923

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E450-10/30-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.21

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE

BEGIN GRID OPENING NO. 1 LOCATED: 1-3.1

PLATE#:
COMMENTS:

ABD 001 0924

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E500-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETI
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bolin DATE: 11/01/90

ABD 001 0925

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E500-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.20

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE

BEGIN GRID OPENING NO. 1 LOCATED: 1-H5

PLATE#:
COMMENTS:

ABD 001 0926

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E550-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 2100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 31.88334 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1022222 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= 9.062501E-02 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES

B) AMPHIBOLES:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 5.566667 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 0 MICRONS (ALL STRUCTURES)
MEAN THICKNESS= .3 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 21

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 21
NO.CHRYSOTILE FIBERS= 2
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 16
NO.AMPHIBOLE FIBERS= 2
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0927

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 2343.478 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 2100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 2100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11/01/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E550-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.03

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-U6											
1	1	M	9.5	.8	0	.3	AM	ST	6.84	0- 3- 10- 1- 8	
1	2	F	1.7	.08	21.3	0	CH	FV	2.221734E-02	0- 7- 10- 1- 2	
1	3	X	11.5	.08	143.8	0	CH	ST	.1502937	0- 8- 10- 1- 2	
1	4	M	7	.08	0	.07	CH	ST	.10192	0- 7- 10- 2- 2	
1	5	M	8	.1	0	.1	CH	FV	.208	0- 6- 10- 1- 1	
1	6	M	7	.08	0	.07	CH	FV	.10192	0- 7- 10- 2- 2	
1	7	M	7.5	.07	0	.06	CH	FV	8.189999E-02		
1	8	M	4.2	.07	0	.06	CH	FV	.045864	0- 7- 10- 2- 2	
1	9	M	10	.1	0	.1	CH	ST	.26	0- 8- 10- 1- 1	
1	10	B	18	.2	0	.12	CH	ST	1.1232		
1	11	F	3.2	.12	26.7	0	AM	ST	.1085734	0- 2- 10- 1- 9	
1	12	M	6	.1	0	.1	CH	NX	.156	0- 7- 10- 1- 2	
1	13	M	90	.1	0	.1	CH	ST	2.34	0- 7- 10- 1- 2	

ABD 001 0928

1	14	M	37	.1	0	.1	CH	ST	.9619999		\
1	15	M	64	.08	0	.07	CH	ST	.9318399	0- 7- 10- 2- 2	\
1	16	M	60	.2	0	.1	CH	ST	3.12		\
1	17	M	80	.1	0	.1	CH	ST	2.08	0- 8- 10- 2- 2	\
1	18	M	70	.1	0	.1	CH	ST	1.82		\
1	19	M	32	.1	0	.1	CH	ST	.832		\
1	20	M	60	.1	0	.1	CH	ST	1.56		\
1	21	X	4	.25	16	0	AM	ST	.5890485	0- 2- 10- 1- 7	

PLATE#: 544
COMMENTS:
HUNDREDS OF SMALL FIBERS ADDED TOGETHER AND TREATED AS A FEW LARGE MATRICES.

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EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E550-10/30-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 2200 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 30.06471 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 9.470589E-02 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= 9.294119E-02 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES

B) AMPHIBOLES:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 4.7 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 0 MICRONS (ALL STRUCTURES)
MEAN THICKNESS= .114 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 23

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 22
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 17
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 5

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 1

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1409.173 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 2200 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 2300 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/05/90

ABD 001 0931

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E550-10/30-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.22

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

ABD 001 0932

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-V5											
1	1	M	6	.15	0	.12	AM	ST	.324	0- 1- 10- 0- 7	
1	2	M	1.6	.1	0	.1	NA	NP	0	0- 2- 10- 0- 1	
1	3	M	12	.08	0	.07	CH	FV	.17472	0- 7- 10- 1- 0	Y
1	4	M	8.5	.07	0	.07	CH	FV	.10829	0- 7- 10- 1- 1	Y
1	5	M	8	.1	0	.1	CH	ST	.208		
1	6	M	7.6	.1	0	.1	CH	FV	.1976		
1	7	M	2.1	.12	0	.1	AM	ST	.0756	0- 1- 10- 0- 6	
1	8	M	13	.08	0	.07	CH	FV	.18928		
1	9	M	14	.08	0	.07	CH	NX	.20384	0- 8- 10- 1- 1	
1	10	M	8	.1	0	.1	CH	FV	.208		Y
1	11	M	10	.1	0	.1	CH	ST	.26		Y
1	12	M	10	.1	0	.1	CH	NX	.26	0- 7- 10- 0- 1	
1	13	M	6	.1	0	.1	CH	FV	.156		Y
1	14	M	8	.2	0	.1	AM	ST	.48	0- 1- 10- 0- 7	Y
1	15	M	56	.1	0	.1	CH	ST	1.456		
1	16	M	52	.1	0	.1	CH	FV	1.352		

1	17	M	3.4	.12	0	.1	AM	ST	.1224	0- 1- 10- 0- 7	
1	18	M	46	.1	0	.1	CH	NX	1.196	0- 7- 10- 1- 1	Y
1	19	M	60	.1	0	.1	CH	FV	1.56		Y
1	20	M	65	.1	0	.1	CH	ST	1.69		Y
1	21	M	4	.2	0	.15	AM	ST	.36	0- 1- 10- 0- 6	
1	22	M	70	.1	0	.1	CH	NX	1.82	0- 7- 10- 0- 1	Y
1	23	M	65	.1	0	.1	CH	ST	1.69	0- 7- 10- 0- 0	Y

PLATE#: 595
COMMENTS:LOADED WITH ASBESTOS.

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EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E750-11/2-24 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 1000 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 2.43 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= 8.666668E-02 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 10

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 10
NO.CHRYSOTILE FIBERS= 1
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 9
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0935

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 67.08297 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 1000 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 1000 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bolm DATE: 11/07/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E750-11/2-24 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-07-1990 EAL JOB NO:13267
EAL SAMPLE NO: L SAMPLE NUMBER: 13267.12

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-4.1											
1	1	F	2.3	.07	32.9	0	CH	FV	2.301373E-02	0- 7- 10- 2- 2	
1	2	M	2.3	.06	0	.05	CH	FV	.01794	0- 7- 10- 2- 2	
1	3	M	2.5	.12	0	.1	CH	ST	.078		
1	4	M	1.5	.07	0	.06	CH	FV	.01638	0- 7- 10- 2- 2	
1	5	M	1.1	.08	0	.07	CH	FV	.016016		
1	6	M	1.5	.1	0	.1	CH	FV	.039	0- 7- 10- 1- 1	
1	7	M	2	.06	0	.05	CH	NX	.0156	0- 7- 10- 2- 2	
1	8	M	4	.12	0	.1	CH	ST	.1248		
1	9	B	2.6	.22	0	.15	CH	ST	.22308	0- 8- 10- 1- 0	
1	10	M	4.5	.1	0	.1	CH	FV	.117		

PLATE#: 556
COMMENTS:

ABD 001 0936

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E750-11/2-24DUP TYPE: SOIL PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 1800 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.605556 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 5.472223E-02 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= 5.700001E-02 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 18

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 18
NO.CHRYSOTILE FIBERS= 8
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 10
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 18.72125 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 1800 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 1800 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qing Li DATE: 11.7.90

ABD 001 0937

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E750-11/2-24DUP TYPE: SOIL PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 11-06-1990 EAL JOB NO:13267
EAL SAMPLE NO: 13267.12D

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=5
BEGIN GRID OPENING NO. 1 LOCATED: 1-Z2											
1	1	X	4	.04	100	0	CH	FV	1.306902E-02		
1	2	M	1.1	.1	0	.1	CH	FV	.0286		
1	3	F	.7	.06	11.7	0	CH	FV	5.145928E-03		
1	4	M	.7	.06	0	.06	CH	FV	.006552		
1	5	X	.7	.04	17.5	0	CH	FV	2.287079E-03		
1	6	M	1	.06	0	.06	CH	FV	9.359999E-03		
1	7	M	1.1	.06	0	.06	CH	FV	.010296		
1	8	M	.5	.06	0	.06	CH	FV	.00468		
1	9	M	2.8	.04	0	.04	CH	FV	.011648		
1	10	M	.5	.05	0	.05	CH	FV	.00325		
1	11	F	.7	.06	11.7	0	CH	FV	5.145928E-03		

ABD 001 0938

1	12	F	.7	.06	11.7	0	CH	FV	5.145928E-03
1	13	M	.5	.06	0	.05	CH	FV	.0039
1	14	X	6.5	.06	108.3	0	CH	FV	4.778362E-02
1	15	M	1.2	.045	0	.05	CH	FV	7.020001E-03
1	16	F	.7	.05	14	0	CH	FV	3.573561E-03
1	17	F	3.5	.04	87.5	0	CH	FV	1.143539E-02
1	18	M	2	.04	0	.04	CH	FV	.00832

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COMMENTS:

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EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E750-11/2-96 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 800 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 7.8 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .085 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= 8.000001E-02 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURE

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 8

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 8
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 8
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 142.4904 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 800 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 800 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 12/6/90

ABD 001 0941

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E750-11/2-96 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.24

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-U2											
1	1	M	.9	.06	0	.05	CH	FV	.00702		
1	2	M	12	.1	0	.1	CH	ST	.312	0- 7- 10- 1- 1	
1	3	M	21	.1	0	.1	CH	ST	.546		
1	4	M	3.5	.07	0	.06	CH	FV	.03822	0- 7- 10- 0- 1	
1	5	M	3.2	.07	0	.06	CH	FV	.034944		
1	6	M	3.8	.1	0	.1	CH	FV	9.879999E-02		
1	7	M	7	.08	0	.07	CH	NX	.10192	0- 8- 10- 1-	
1	8	M	11	.1	0	.1	CH	ST	.286		

PLATE#:
COMMENTS:

ABD 001 0942

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100EB00-11/2-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 1

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 11/07/90

ABD 001 0943

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1100E800-11/2-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-07-1990 EAL JOB NO:13267
EAL SAMPLE NO: 13267.05

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE
BEGIN GRID OPENING NO. 1 LOCATED: 1-N5										
1	1	M	1	.2	0	.15	NA	NP	0	0- 2- 10- 0- 0

PLATE#:
COMMENTS:

ABD 001 0944

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1150E350-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.4 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 9.000001E-02 MICRONS (ALL STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 1
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 2.315668 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 10/31/90

ABD 001 0945

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1150E350-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 10-31-1990 EAL JOB NO:13193
EAL SAMPLE NO: 13193.11

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE
BEGIN GRID OPENING NO. 1 LOCATED: 1-Y1										
1	1	X	1.4	9.000001E-02	15.6	0	CH	FV	2.315668E-02	0- 7- 10- 1- Z

PLATE#:
COMMENTS:

ABD 001 0946

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1150E400-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETE
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bly DATE: 10/31/90

ABD 001 0947

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1150E400-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 10-31-1990 EAL JOB NO:13193
EAL SAMPLE NO: 13193.13

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE

BEGIN GRID OPENING NO. 1 LOCATED: 1-3.2

PLATE#:
COMMENTS:A TI FIBER.

ABD 001 0948

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1150E400-18-10/29 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.01

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-01

PLATE#:
COMMENTS:

ABD 001 0949

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1150E400-18-10/29 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bibi DATE: 11.15.90

ABD 001 0950

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1150E400-18 DUP 10/29 TYPE: SOIL PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 11-14-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.01 DUP

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LEN >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-H1

PLATE#:
COMMENTS:

ABD 001 0951

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1150E400-18 DUP 10/29 TYPE: SOIL PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qiong Li DATE: 11.15.90

ABD 001 0952

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1150E450-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobij DATE: 10/31/90

ABD 001 0953

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1150E450-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 10-31-1990 EAL JOB NO:13193
EAL SAMPLE NO: 13193.06

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LF

BEGIN GRID OPENING NO. 1 LOCATED: 1-I5

PLATE#:
COMMENTS:

ABD 001 0954

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1150E450-18-10/29 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 1

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11/15/90

ABD 001 0955

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1150E450-18-10/29 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.02

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	L
BEGIN GRID OPENING NO. 1 LOCATED: 1-Y1											
1	1	M	1.2	.1	0	.1	NA	NP	0	0- 1- 10- 0- 1	

PLATE#:
COMMENTS:AL-SILICATES.

ABD 001 0956

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1150E500-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.5 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .1 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0957

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 3.9 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobij DATE: 10/31/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1150E500-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 10-31-1990 EAL JOB NO:13193
EAL SAMPLE NO: 13193.04

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-X2											
1	1	M	1.5	.1	0	.1	CH	FV	.039	0- 6- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 0958

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1150E550-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 1200 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 2.633333 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 7.666666E-02 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= 6.800001E-02 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 12

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 12
NO.CHRYSOTILE FIBERS= 2
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 10
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0959

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 51.58984 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 1200 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 1200 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Boby DATE: 11/01/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1150E550-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.07

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

ABD 001 0960

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE
BEGIN GRID OPENING NO. 1 LOCATED: 1-X5											
1	1	M	.5	.1	0	.1	CH	FV	.013	0- 7- 10- 2- 2	
1	2	M	.8	.08	0	.07	CH	FV	.011648	0- 7- 10- 1- 1	
1	3	M	.5	.07	0	.06	CH	FV	.00546	0- 8- 10- 1- 1	
1	4	M	.9	.06	0	.05	CH	FV	.00702	0- 7- 10- 1- 2	
1	5	M	6.5	9.000001E-02	0	.08	CH	FV	.12168	0- 6- 10- 1- 1	
1	6	M	3	.06	0	.05	CH	NX	.0234	0- 7- 10- 1- 2	
1	7	M	1.8	.06	0	.05	CH	FV	.01404		
1	8	M	5.5	.08	0	.07	CH	FV	.08008	0- 7- 10- 2- 2	
1	9	F	3.3	.08	41.3	0	CH	FV	4.312777E-02		
1	10	F	2	.06	33.3	0	CH	FV	1.470265E-02	0- 6- 10- 1- 1	
1	11	M	5.5	.12	0	.1	CH	ST	.1716		
1	12	M	1.3	.06	0	.05	CH	NX	.01014	0- 7- 10- 1- 1	

PLATE#: 545
COMMENTS:

1150 550

ABD 001 0961

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N1150E800-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobj DATE: 11/06/90

ABD 001 0962

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N1150E800-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13241
EAL SAMPLE NO: 13241.17

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-H6

PLATE#:
COMMENTS:

ABD 001 0963

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E100-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETE
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bly DATE: 11/15/90

ABD 001 0964

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E100-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.02

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-X5

PLATE#:
COMMENTS:

ABD 001 0965

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E100-18-10/31 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETE
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Pobi DATE: 11/15/90

ABD 001 0966

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E100-18-10/31 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.03

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-P2

PLATE#:
COMMENTS:

ABD 001 0967

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E150-10/31-6A TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bili DATE: 11/05/90

ABD 001 0968

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E150-10/31-6A TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.17

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	L >

BEGIN GRID OPENING NO. 1 LOCATED: -N6

PLATE#:
COMMENTS:

ABD 001 0969

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E350-10/29-6A TYPE: BULK PROJECT #: 1-635-999-EAL

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 1

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Robi DATE: 10/31/90

ABD 001 0970

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E350-10/29-6A TYPE: BULK PROJECT #: 1-635-999-EAL
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100------ BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 10-31-1990 EAL JOB NO:13193
EAL SAMPLE NO: 13193.07

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-W5											
1	1	F	3.5	.25	14	0	NA	NP	0	0- 7- 10- 6- 10	

PLATE#:
COMMENTS:

ABD 001 0971

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E350-10/29-6A-DUPL TYPE: BULK PROJECT #: 1-635-999-EAL

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Blm DATE: 10/31/9

ABD 001 0972

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E350-10/29-6A-DUPL TYPE: BULK PROJECT #: 1-635-999-EAL
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 10-31-1990 EAL JOB NO:13193
EAL SAMPLE NO: 13193.07DUPL

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-W5

PLATE#:
COMMENTS:

ABD 001 0973

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E350-18-10/29A TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobi DATE: 11.15.90

ABD 001 0974

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E350-18-10/29A TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.04

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-02

PLATE#:
COMMENTS:

ABD 001 0975

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E350-18-10/29B TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= .5 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .1 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1.3 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Abi DATE: 11/15/90

ABD 001 0976

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E350-18-10/29B TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.05

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-Q5											
1	1	M	.5	.1	0	.1	CH	FV	.013	0- 9- 10- 1- 1	

PLATE#:
COMMENTS:

ABD 001 0977

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E350-10/29-36B TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dolly DATE: 12/6/90

ABD 001 0978

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E350-10/29-36B TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.25

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-X5

PLATE#:
COMMENTS:

ABD 001 0979

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E400-10/29-8A ? TYPE: BULK PROJECT #: 1-635-999-EAL

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 3.5 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .08 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .07 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0980

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 5.096 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bolin DATE: 10/31/9

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E400-10/29-6A TYPE: BULK PROJECT #: 1-635-999-EAL
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 10-31-1990 EAL JOB NO:13193
EAL SAMPLE NO: 13193.03

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-I5											
1	1	M	3.5	.08	0	.07	CH	FV	.05096	0- 7- 10- 2- 2	

PLATE#:
COMMENTS:ONE TI FIBER.

ABD 001 0981

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E450-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobb DATE: 10/31/9

ABD 001 0982

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E450-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 10-31-1990 EAL JOB NO:13193
EAL SAMPLE NO: 13193.05

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q5

PLATE#:
COMMENTS:

ABD 001 0983

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E450-18-10/29 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .07 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .06 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 2

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 1

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1.092 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 200 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Boby DATE: 11/15/90

ABD 001 0984

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E450-18-10/29 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.06

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-N6											
1	1	M	1	.07	0	.06	CH	FV	.01092	0- 6- 10- 3- 3	
1	2	F	1.7	.12	14.2	0	NA	NP	0	0- 1- 10- 0- 1	

PLATE#:
COMMENTS:

ABD 001 0985

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E450-10/29-36 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/6/90

ABD 001 0986

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E450-10/29-36 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.33

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-H6

PLATE#:
COMMENTS:

ABD 001 0987

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E450-10/29-36 DUP TYPE: SOIL PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIME.
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qiong Li DATE: 12.4.90

ABD 001 0988

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E450-10/29-36 DUP TYPE: SOIL PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 12-04-1990 EAL JOB NO:R:13445
EAL SAMPLE NO: 13445.33 DUP

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LEN >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-G2

PLATE#:
COMMENTS:

ABD 001 0989

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E500-10/29-6A TYPE: BULK PROJECT #: 1-635-999-EAL

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0990

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Daly DATE: 10/31/0

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E500-10/29-6A TYPE: BULK PROJECT #: 1-635-999-EAL
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 10-31-1990 EAL JOB NO:13193
EAL SAMPLE NO: 13193.14

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-N1

PLATE#:
COMMENTS:

ABD 001 0991

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E500-10/29-6B TYPE: BULK PROJECT #: 1-635-999-EAL

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 1

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 0992

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest J. Dolci DATE: 10/31/99

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E500-10/29-6B TYPE: BULK PROJECT #: 1-635-999-EAL
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 10-31-1990 EAL JOB NO:13193
EAL SAMPLE NO: 13193.02

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: P2											
1	1	M	.5	.1	0	.1	NA	NP	0	0- 2- 10- 1- 1	

PLATE#:
COMMENTS:

ABD 001 0993

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E500-18-10/29A TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 11/15/90

ABD 001 0994

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E500-18-10/29A TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.07

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-X1

PLATE#:
COMMENTS:

ABD 001 0995

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E500-18-10/29B TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11/15/90

ABD 001 0996

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E500-18-10/29B TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.08

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-I6

PLATE#:
COMMENTS:A FEW TI FIBERS.

ABD 001 0997

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E550-10/30-6A TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobi DATE: 11/01/9

ABD 001 0998

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E550-10/30-6A TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.05

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-N5

PLATE#:
COMMENTS:

ABD 001 0999

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E550-18-10/30A TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bly DATE: 11-15-90

ABD 001 1000

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E550-18-10/30A TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.09A

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q6

PLATE#:
COMMENTS:A FEW TI FIBERS.

ABD 001 1001

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E550-18-10/30B TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11.15.90

ABD 001 1002

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E550-18-10/30B TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.09B

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q6

PLATE#:
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N1200E750-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
~~MASS= 0 PICOGRAMS/LITER~~
MEAN LENGTH= 1.2 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .07 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .06 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1.3104 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 11/06/90

ABD 001 1004

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N1200E750-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13241
EAL SAMPLE NO: 13241.08

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-X1											
1	1	M	1.2	.07	0	.08	CH	FV	.013104	0- 7- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 1005

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E750-11/1-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 1

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bolin DATE: 12/6/96

ABD 001 1006

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1200E750-11/1-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.26

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-J6											
1	1	M	5	.2	0	.1	NA	NX	0	0- 1- 10- 0- 1	Y

PLATE#:
COMMENTS:

ABD 001 1007

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1217E587-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 800 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 6.4375 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 9.375001E-02 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= 9.571429E-02 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 8

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 8
NO.CHRYSOTILE FIBERS= 1
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 7
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 1008

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 122.5333 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 800 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 800 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobs DATE: 12/7/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1217E587-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.36

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-H6											
1	1	F	2.1	.07	30	0	CH	FV	2.101254E-02		
										0- 7- 10- 0- 1	
1	2	M	1.6	.1	0	.1	CH	FV	.0416		
1	3	M	7.2	.1	0	.1	CH	ST	.1872	0- 8- 10- 0- 1	Y
1	4	M	7	.08	0	.07	CH	FV	.10192		Y
1	5	M	10.5								
				.1	0	.1	CH	FV	.273	0- 7- 10- 1- 1	Y
1	6	M	6.6	.1	0	.1	CH	FV	.1716		Y
1	7	M	10.5								
				.1	0	.1	CH	ST	.273		Y
1	8	M	6	.1	0	.1	CH	FV	.156	0- 7- 10- 0- 1	Y

PLATE#:
COMMENTS:

ABD 001 1009

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E300-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 400 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 2.725 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .0875 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .0775 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 4

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 4
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 4
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 1010

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 24.596 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 400 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 400 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 11/01/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E300-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.29

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-V5											
1	1	M	3	.08	0	.07	CH	FV	.04368		
1	2	M	1.5	.1	0	.1	CH	FV	.039	0- 7- 10- 1- 2	
1	3	M	1.4	.05	0	.04	CH	FV	.00728	0- 6- 10- 2- 2	
1	4	M	5	.12	0	.1	CH	ST	.156		Y

PLATE#: 546
COMMENTS:

ABD 001 1011

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E300-10/30-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .08 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .07 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1.456 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobj DATE: 12/6/90

ABD 001 1012

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E300-10/30-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.27

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-Y1											
1	1	M	1	.08	0	.07	CH	FV	.01456	0- 7- 10- 0- 1	

PLATE#:
COMMENTS:

ABD 001 1013

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E350-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bolm DATE: 10/31/91

ABD 001 1014

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E350-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 10-31-1990 EAL JOB NO:13193
EAL SAMPLE NO: 13193.09

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-05

PLATE#:
COMMENTS:A FEW MORE TI FIBERS.

ABD 001 1015

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E400-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 400 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 2.425 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .085 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= 7.333333E-02 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 4

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 4
NO.CHRYSOTILE FIBERS= 1
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 3
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 1016

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 17.07979 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 400 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 400 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobi DATE: 10/31/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E400-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 10-31-1990 EAL JOB NO:13193
EAL SAMPLE NO: 13193.10

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1											
1	1	F	5.4	.1	54	0	CH	ST	.1102699	0- 7- 10- 1- 1	Y
1	2	M	2.3	.07	0	.06	CH	FV	.025116	0- 7- 10- 1- 2	
1	3	M	1.1	.07	0	.06	CH	FV	.012012	0- 6- 10- 1- 1	
1	4	M	.9	.1	0	.1	CH	FV	.0234	0- 5- 10- 1- 1	

PLATE#:
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E450-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.4 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .1 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 3.64 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobi DATE: 10/31/95

ABD 001 1018

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E450-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 10-31-1990 EAL JOB NO:13193
EAL SAMPLE NO: 13193.12

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-V6											
1	1	M	1.4	.1	0	.1	CH	ST	.0364	0- 8- 10- 2- 2	

PLATE#: 542
COMMENTS:

ABD 001 1019

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E500-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bby DATE: 10/31/90

ABD 001 1020

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E500-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 10-31-1990 EAL JOB NO:13193
EAL SAMPLE NO: 13193.08

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-V2

PLATE#:
COMMENTS:

ABD 001 1021

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E500-18-10/29 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 1

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobi DATE: 11.15.90

ABD 001 1022

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E500-18-10/29 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.11

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-R6											
1	1	F	2	.2	10	0	NA	NP	0	0- 3- 10- 2- 3	

PLATE#:
COMMENTS:

ABD 001 1023

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E550-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Daly DATE: 11/02/90

ABD 001 1024

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E550-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.04

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-9.1

PLATE#:
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E550-18-10/30 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernesto T. Dolly DATE: 11.15.90

ABD 001 1025A

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E550-18-10/30 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.10

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-M2

PLATE#:
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E600-10/30-6 TYPE: BULK PROJECT #: 1635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qiang Li DATE: 10.1.90

ABD 001 1027

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E600-10/30-6 TYPE: BULK PROJECT #: 1635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.31

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
T STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LEN >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-P1

PLATE#:
COMMENTS:

ABD 001 1028

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E600-18-10/30 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 11/15/90

ABD 001 1029

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1250E600-18-10/30 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100------ BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.12

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-06

PLATE#:
COMMENTS:

ABD 001 1030

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N1250E800-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobi DATE: 11/06/91

ABD 001 1031

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N1250E800-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100------ BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13241
EAL SAMPLE NO: 13241.22

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-W5

PLATE#:
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E350-10/30-6A TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Kobi DATE: 11/01/95

ABD 001 1033

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E350-10/30-6A TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.06

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-I2

PLATE#:
COMMENTS:

ABD 001 1034

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E350-1B A-10/30 TYPE: SOIL PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 1035

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qing Li DATE: 11.15.90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E350-18 A-10/30 TYPE: SOIL PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 11-14-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.13

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LEN >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-N6

PLATE#:
COMMENTS:

ABD 001 1036

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E350-10/30-6B TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Nobi DATE: 11/01/90

ABD 001 1037

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E350-10/30-6B TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.19

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-W6

PLATE#:
COMMENTS:

ABD 001 1038

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E350-18-10/30/B TYPE: SOIL PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qing Li DATE: 11.15.96

ABD 001 1039

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E350-18-0/30 TYPE: SOIL PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 11-14-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.14

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LEN >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-H5

PLATE#:
COMMENTS:

ABD 001 1040

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E400-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 4.1 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .1 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 10.66 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobj DATE: 10/31/97

ABD 001 1041

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE.TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E400-10/29-6 TYPE: BULK PROJECT #: 1-635-999-EAL
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 10-31-1990 EAL JOB NO:13193
EAL SAMPLE NO: 13193.15

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-I6											
1	1	M	4.1	.1	0	.1	CH	ST	.1066	0- 9- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 1042

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E400-10/29-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/6/90

ABD 001 1043

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E400-10/29-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100------ BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.28

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-X2

PLATE#:
COMMENTS:

ABD 001 1044

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E450-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Kelly DATE: 11/01/90

ABD 001 1045

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E450-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.26

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-V5

PLATE#:
COMMENTS:

ABD 001 1046

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E450-10/30-6DUPL TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 11/01/90

ABD 001 1047

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E450-10/30-6DUPL TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.26D

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-R5

PLATE#:
COMMENTS:

ABD 001 1048

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E450-18-10/30 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 11-15-90

ABD 001 1049

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E450-18-10/30 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.15

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	L >

BEGIN GRID OPENING NO. 1 LOCATED: 1-4.1

PLATE#:
COMMENTS:

ABD 001 1050

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E450-18 DUP-10/30 TYPE: SOIL PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qing Li DATE: 11.15.90

ABD 001 1051

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E450-18 DUP-10/30 TYPE: SOIL PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80-----BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 11-14-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.15 Dup

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LEN >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-01

PLATE#:
COMMENTS:

ABD 001 1052

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E500-18-10/30 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Daly DATE: 11.15.90

ABD 001 1053

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1300E500-1B-10/30 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.16

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-V2

PLATE#:
COMMENTS:

ABD 001 1054

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N1300E700-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 3 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .05 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .05 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1.95 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 11/06/95

ABD 001 1055

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N1300E700-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13241
EAL SAMPLE NO: 13241.14

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-R6											
1	1	M	3	.05	0	.05	CH	FV	.0195	0- 7- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 1056

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1350E400-10/30-6 TYPE: BULK PROJECT #: 1635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.8 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .04 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .04 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= .7488 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qiong Li DATE:

ABD 001 1057

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1350E400-10/30-6 TYPE: BULK PROJECT #: 1635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80------ BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.37

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LEN >=5
BEGIN GRID OPENING NO. 1 LOCATED: 1-R1											
1	1	M	1.8	.04	0	.04	CH	FV	.007488		

PLATE#:
COMMENTS:

ABD 001 1058

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1350E450-10/30-6 TYPE: BULK PROJECT #: 1635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qiong Li DATE: 11.1.90

ABD 001 1059

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1350E450-10/30-6 TYPE: BULK PROJECT #: 1635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.33

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
~~B BUNDLE OF PARALLEL FIBERS~~
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
T STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LEN >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-P1

PLATE#:
COMMENTS:

ABD 001 1060

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1350E450-18-10/30 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobi DATE: 11.15.90

ABD 001 1061

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1350E450-18-10/30 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.17

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-K5

PLATE#:
COMMENTS:

ABD 001 1062

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1350E500-10/30-6 TYPE: BULK PROJECT #: 1635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qiang Li DATE: 11.1.90

ABD 001 1063

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1350E500-10/30-6 TYPE: BULK PROJECT #: 1635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.34

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
,T STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LI
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BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 1064

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1350E500-18-10/30 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11/15/90

ABD 001 1065

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1350E500-18-10/30 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.18

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-X1

PLATE#:
COMMENTS:

ABD 001 1066

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1350E650-10/30-6 TYPE: BULK PROJECT #: 1635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 700 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.385714 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 6.285715E-02 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= 5.500001E-02 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES.

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 7

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 7
NO.CHRYSOTILE FIBERS= 1
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 6
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 22.70493 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 700 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 700 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qing Li DATE: _____

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1350E650-10/30-6 TYPE: BULK PROJECT #: 1635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.036

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LEN >=5
BEGIN GRID OPENING NO. 1 LOCATED: 1-R1											
1	1	M	4.5	.17	0	.1	CH	ST	.1989		
1	2	M	.7	.04	0	.04	CH	FV	.002912		
1	3	M	1.2	.04	0	.04	CH	FV	.004992		
1	4	M	.6	.04	0	.04	CH	FV	.002496		
1	5	M	.5	.05	0	.05	CH	FV	.00325		
1	6	M	1.2	.06	0	.06	CH	FV	.011232		
1	7	X	1	.04	25	0	CH	FV	3.267256E-03		

PLATE#: 434
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1350E650-10/30-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/6/90

ABD 001 1069

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1350E650-10/30-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100------ BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.29

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-V6

PLATE#:
COMMENTS:

ABD 001 1070

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N1350E800-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Doby DATE: 11/06/9

ABD 001 1071

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N1350E800-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13241
EAL SAMPLE NO: 13241.21

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q5

PLATE#:
COMMENTS:

ABD 001 1072

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E250-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 200 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.35 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 9.000001E-02 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .085 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 2

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 2
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 2
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 1073

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 4.9608 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 200 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 200 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 11/01/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E250-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.14

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-U2											
1	1	M	.9	.1	0	.1	CH	FV	.0234	0- 8- 10- 2- 3	
1	2	M	1.8	.08	0	.07	CH	FV	.026208	0- 7- 10- 1- 1	

PLATE#:
COMMENTS:

ABD 001 1074

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E250-10/30-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobi DATE: 12/6/90

ABD 001 1075

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E250-10/30-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100 BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.30

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-02

PLATE#:
COMMENTS:

ABD 001 1076

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E300-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11/9/9[illegible]

ABD 001 1077

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E300-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.15

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-H5

PLATE#:
COMMENTS:

ABD 001 1078

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E300-18-10/30 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 11/15/95

ABD 001 1079

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E300-18-10/30 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100------ BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.19

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-V1

PLATE#:
COMMENTS:

ABD 001 1080

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E350-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 2 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .07 MICRONS (ALL STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 1
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 2.001194 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Nolin DATE: 11/01/90

ABD 001 1081

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E350-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.27

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-R6											
1	1	F	2	.07	28.6	0	CH	FV	2.001194E-02	0- 7- 10- 1- 2	

PLATE#:
COMMENTS:

ABD 001 1082

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E350-10/30-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest R. Dobr DATE: 12/6/95

ABD 001 1083

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E350-10/30-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.31

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 1084

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E400-10/30-6A TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 11/5/95

ABD 001 1085

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E400-10/30-6A TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.12

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q5

PLATE#:
COMMENTS:

ABD 001 1086

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E400-18-10/30A TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bolj DATE: 11.15.90

ABD 001 1087

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E400-18-10/30A TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.20

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-X2

PLATE#:
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E400-10/30-6B TYPE: BULK PROJECT #: 1635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qing Li DATE: 11.1.90

ABD 001 1089

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E400-10/30-6B TYPE: BULK PROJECT #: 1635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.30

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LEN >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-D2

PLATE#:
COMMENTS:

ABD 001 1090

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E400-18-10/30B TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 1

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 1091

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bolej DATE: 11.15.90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E400-18-10/30B TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.21

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-N5											
1	1	F	1.9	.25	7.6	0	NA	NP	0	Al Si - 0- 5- 10- 0- 1	

PLATE#:
COMMENTS:MG-AL-SILICATES.

ABD 001 1092

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E450-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11/01/90

ABD 001 1093

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E450-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.09

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-J6

PLATE#:
COMMENTS:

ABD 001 1094

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E450-18-10/30 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11.15.90

ABD 001 1095

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E450-18-10/30 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.22

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-W6

PLATE#:
COMMENTS:

ABD 001 1096

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E500-10/30-6 TYPE: BULK PROJECT #: 1635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qing Li DATE: 11.1.90

ABD 001 1097

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E500-10/30-6 TYPE: BULK PROJECT #: 1635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.35

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LEN >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 1098

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E500-18-10/30 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 1099

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 11/5/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E500-18-10/30 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.23

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-V1

PLATE#:
COMMENTS:

ABD 001 1100

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E600-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 1101

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobi DATE: 11/01/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E600-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.22

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-3.1

PLATE#:
COMMENTS:

ABD 001 1102

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E600-10/30-6DUPL TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .06 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .06 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 1103

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= .936 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11/01/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E600-10/30-6DUPL TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.22D

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-N6											
1	1	M	1	.06	0	.06	CH	FV	9.359999E-03	0- 7- 10- 1- 2	

PLATE#:
COMMENTS:

ABD 001 1104

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E600-18-18/30 TYPE: SOIL PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qiang Li DATE: 11.15.90

ABD 001 1105

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E600-18-6/30 TYPE: SOIL PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 11-14-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.24

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LEN >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-01

PLATE#:
COMMENTS:

ABD 001 1106

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E650-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 1600 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 32.525 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .138125 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .116 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 16

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 16
NO.CHRYSOTILE FIBERS= 1
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 15
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1558.354 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 1600 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 1600 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/7/9[illegible]

ABD 001 1107

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1400E650-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.37

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-Y6											
1	1	M	2.3	.2	0	.12	CH	ST	.14352		
1	2	M	4.5	.1	0	.1	CH	FV	.117	0- 7- 10- 0- 1	
1	3	M	9	.08	0	.07	CH	FV	.13104	0- 8- 10- 1- 1	Y
1	4	F	2.6	.08	32.5	0	CH	FV	3.397945E-02		
1	5	M	11	.1	0	.1	CH	FV	.286	0- 7- 10- 0- 1	Y
1	6	M	17	.1	0	.1	CH	FV	.442		Y
1	7	B	4	.25	0	.15	CH	ST	.39		
1	8	M	12.5	.1	0	.1	CH	NX	.325	0- 7- 10- 1- 1	Y
1	9	M	38.5	.1	0	.1	CH	FV	1.001	0- 7- 10- 1- 1	Y
1	10	M	47	.1	0	.1	CH	ST	1.222	0- 8- 10- 0- 1	Y
1	11	M	91	.1	0	.1	CH	ST	2.366	0- 7- 10- 1- 1	Y
1	12	M	30	.1	0	.1	CH	ST	.78		Y
1	13	B	5	.5	0	.3	CH	NX	1.95	0- 8- 10- 0- 1	Y

ABD 001 1108

1	14	M	105	.1	0	.1	CH	ST	2.73	
1	15	M	75	.1	0	.1	CH	ST	1.95	0- 7- 10- 0- 1
1	16	M	66	.1	0	.1	CH	ST	1.716	0- 8- 10- 1- 2

PLATE#: 601
COMMENTS:PLENTY OF ASBESTOS.

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EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E250-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 1000 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 12.56 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 9.300001E-02 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= 8.800001E-02 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 10

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 10
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 10
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 1110

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 323.4192 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 1000 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 1000 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/7/9[illegible]

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E250-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.38

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG		EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-X5												
1	1	M	3	.07	0	.06	CH	FV	.03276		0- 6- 10- 1- 1	
1	2	M	1.1	.07	0	.06	CH	FV	.012012		0- 7- 10- 1- 1	
1	3	M	6	.1	0	.1	CH	FV	.156		0- 8- 10- 0- 1	Y
1	4	M	8.5	.1	0	.1	CH	FV	.221			Y
1	5	M	3.5	.07	0	.06	CH	FV	.03822		0- 7- 10- 0- 1	
1	6	M	16	.12	0	.1	CH	ST	.4992	ABD		Y
1	7	M	5.5	.1	0	.1	CH	NX	.143		0- 7- 10- 1- 1	Y
1	8	M	17.5	.1	0	.1	CH	FV	.455	001	0- 7- 10- 1- 1	Y
1	9	M	36.5	.1	0	.1	CH	NX	.949		0- 7- 10- 0- 1	Y
1	10	M	28	.1	0	.1	CH	FV	.728	1111	0- 7- 10- 0- 1	Y

PLATE#:
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E450-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 11/01/90

ABD 001 1112

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E450-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.25

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-K5

PLATE#:
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E450-18-10/30 TYPE: SOIL PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Cheng Li DATE: 11.15.90

ABD 001 1114

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E450-18-10/30 TYPE: SOIL PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80------ BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 11-14-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.25

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LEN >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-H5

PLATE#:
COMMENTS:

ABD 001 1115

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E450-18 DUP·10/30 TYPE: SOIL PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qing Li DATE: 11.15.90

ABD 001 1116

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E450-18 DUP.N/30 TYPE: SOIL PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 11-14-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.25 DUP

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LEN >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-N1

PLATE#:
COMMENTS:

ABD 001 1117

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E500-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= .9 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1 MICRONS (ALL STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 2

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 1
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 1

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1.837831 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 200 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bolis DATE: 11/01/90

ABD 001 1118

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E500-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.23

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-Y6											
1	1	F	.9	.1	9	0	CH	FV	1.837831E-02	0- 6- 10- 2- 2	
1	2	B	3.1	.24	0	.15	NA	ST	0	0- 3- 10- 1- 4	

PLATE#:
COMMENTS:

ABD 001 1119

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E550-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 200 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= .65 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 9.000001E-02 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .085 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 2

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 2
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 2
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 1120

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 2.4648 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 200 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 200 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11/21/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E550-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.21

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-J5											
1	1	M	.8	.08	0	.07	CH	FV	.011648	0- 8- 10- 2- 2	
1	2	M	.5	.1	0	.1	CH	FV	.013	0- 7- 10- 1- 1	

PLATE#:
COMMENTS:

ABD 001 1121

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E600-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dolj DATE: 11/01/90

ABD 001 1122

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E600-10/30-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.18

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-Y1

PLATE#:
COMMENTS:

ABD 001 1123

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E600-10/30-6DUPL TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 1124

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Robin DATE: 11/27/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E600-10/30-6DUPL TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100------ BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205.18D

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-4.5

PLATE#:
COMMENTS:

ABD 001 1125

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E600-18,10/30 TYPE: SOIL PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qiang Li DATE: 11.15.90

ABD 001 1126

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E600-18.0/30 TYPE: SOIL PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM 300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 11-14-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.26

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LEN >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-N2

PLATE#:
COMMENTS:

ABD 001 1127

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E650-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 1500 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 28.8 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .3526667 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .1215385 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 15

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 15
NO.CHRYSOTILE FIBERS= 2
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 13
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 1128

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 3280.162 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 1500 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 1500 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Polk DATE: 12/7/9

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E650-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.39

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-W5											
1	1	M	9	.06	0	.05	CH	FV	.0702	0- 8- 10- 1- 1	\
1	2	B	8.5	.08	0	.07	CH	FV	.12376	0- 7- 10- 0- 1	\
1	3	F	2	.07	28.6	0	CH	FV	2.001194E-02		
1	4	B	12	.1	0	.1	CH	ST	.312		\
1	5	M	22	.07	0	.06	CH	FV	.24024	0- 7- 10- 1- 1	\
1	6	F	4	.06	66.7	0	CH	FV	.0294053	0- 6- 10- 1- 1	
1	7	M	19	.1	0	.1	CH	FV	.494	0- 7- 10- 1- 1	\
1	8	M	100	.1	0	.1	CH	FV	2.6	0- 7- 10- 1- 1	\
1	9	M	105	.1	0	.1	CH	ST	2.73		\
1	10	B	10	.25	0	.2	CH	NX	1.3	0- 8- 10- 1- 1	\
1	11	M	17	.1	0	.1	CH	NX	.442	0- 7- 10- 1- 1	\
1	12	B	5.5	1	0	.2	CH	ST	2.86		\
1	13	M	70	.1	0	.1	CH	FV	1.82	0- 7- 10- 0- 1	\
1	14	C	8	3	0	.3	CH	ST	18.72		\
1	15	M	40	.1	0	.1	CH	FV	1.04	0- 7- 10- 1- 1	\

ABD 001 1129

PLATE#:
COMMENTS:LOADED WITH ASBESTOS.

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N1450E700-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.5 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .06 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .05 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 1

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 1
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 1
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

ABD 001 1131

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1.17 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Nobi DATE: 11/06/95

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: N1450E700-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13241
EAL SAMPLE NO: 13241.11

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	Ll >:
BEGIN GRID OPENING NO. 1 LOCATED: 1-Q6											
1	1	M	1.5	.06	0	.05	CH	FV	.0117	0- 7- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 1132

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E700-11/1-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/6/90

ABD 001 1133

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N1450E700-11/1-18 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.32

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-W6

PLATE#:
COMMENTS:

ABD 001 1134

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NWUPLANDS-11/2-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11/07/00

ABD 001 1135

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NWUPLANDS-11/2-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-07-1990 EAL JOB NO:13267
EAL SAMPLE NO: 13267.08

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
~~B BUNDLE OF PARALLEL FIBERS~~
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-05

PLATE#:
COMMENTS:

ABD 001 1136

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NWWETLANDS-11/2-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11/07/90

ABD 001 1137

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NWWETLANDS-11/2-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-07-1990 EAL JOB NO:13267
EAL SAMPLE NO: 13267.07

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-X5

PLATE#:
COMMENTS:

ABD 001 1138

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NWUP-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS.MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETEF
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

ABD 001 1139

RESPECTFULLY SUBMITTED: Ernest T. Boby DATE: 11/07/90

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NWUP-11/1-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-07-1990 EAL JOB NO:13267
EAL SAMPLE NO: 13267.16

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LI >

BEGIN GRID OPENING NO. 1 LOCATED: 1-V1

PLATE#:
COMMENTS:

ABD 001 1140

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: WETLANDS-11/2-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobi DATE: 11/07/90

ABD 001 1141

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: WETLANDS-11/2-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-07-1990 EAL JOB NO:13267
EAL SAMPLE NO: 13267.02

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-Y6

PLATE#:
COMMENTS:

ABD 001 1142

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N600E500-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Nobe DATE: 11/05/90

ABD 001 1143

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N600E500-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.20

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-5.1

PLATE#:
COMMENTS:

ABD 001 1144

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N600E550-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobi DATE: 11/05/90

ABD 001 1145

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: N600E550-10/31-6 TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.29

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-Y2

PLATE#:
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13240.CONTROL TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bohm DATE: 11/05/90

ABD 001 1147

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13240.CONTROL TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 50
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13240
EAL SAMPLE NO: 13240.CONT

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-3.2

PLATE#:
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13267-CONTROL TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 11/07/90

ABD 001 1149

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13267-CONTROL TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-07-1990 EAL JOB NO:13267
EAL SAMPLE NO: 13267.CONT

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-V6

PLATE#:
COMMENTS:

ABD 001 1150

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13340CONTROL TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Robi DATE: 11/15/90

ABD 001 1151

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13340CONTROL TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.CONT

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-R6

PLATE#:
COMMENTS:

ABD 001 1152

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13445CONTROL-B TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobi DATE: 12/7/90

ABD 001 1153

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13445CONTROL-B TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.CONT-B

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-T6

PLATE#:
COMMENTS:

ABD 001 1154

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13445CONTROL TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/7/90

ABD 001 1155

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13445CONTROL TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.CONT

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-X1

PLATE#:
COMMENTS:

ABD 001 1156

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL-CONTROL TYPE: BULK PROJECT #: 1-635-999-EAL

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobr DATE: 10/31/9

ABD 001 1157

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL-CONTROL TYPE: BULK PROJECT #: 1-635-999-EAL
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 10-31-1990 EAL JOB NO:13193
EAL SAMPLE NO: 13193.23CONTROL

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-P2

PLATE#:
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL-CONTROL TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Robb DATE: 11/21/90

ABD 001 1159

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL-CONTROL TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205CONTROL

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-X5

PLATE#:
COMMENTS:

ABD 001 1160

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: EAL-CONTROL TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. McGr DATE: 11/06/90

ABD 001 1161

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: EAL-CONTROL TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13241
EAL SAMPLE NO: 13241.CONTROL

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	L >

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q6

PLATE#:
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: QC-LAB BLANK TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 10

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 10 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] ABD DATE: 11/01/93

ABD 001 1163

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: QC-LAB BLANK TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 55
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: 9.999999E-02 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-01-1990 EAL JOB NO:13205
EAL SAMPLE NO: 13205LAB BLANK

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-G2
BEGIN GRID OPENING NO. 2 LOCATED: 1-B5
BEGIN GRID OPENING NO. 3 LOCATED: 1-H2
BEGIN GRID OPENING NO. 4 LOCATED: 1-C5
BEGIN GRID OPENING NO. 5 LOCATED: 1-I2
BEGIN GRID OPENING NO. 6 LOCATED: 2-U5
BEGIN GRID OPENING NO. 7 LOCATED: 2-V5
BEGIN GRID OPENING NO. 8 LOCATED: 2-W5
BEGIN GRID OPENING NO. 9 LOCATED: 2-X5
BEGIN GRID OPENING NO. 10 LOCATED: 2-Y5

PLATE#:
COMMENTS:

ABD 001 1164

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: QC-LAB BLANK TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 10

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 10 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dobj DATE: 11/06/90

ABD 001 1165

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: ED MACKINNON
SAMPLE: QC-LAB BLANK TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: 9.999999E-02 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-05-1990 EAL JOB NO:13241
EAL SAMPLE NO: 13241.LB

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-2.2
BEGIN GRID OPENING NO. 2 LOCATED: 1-3.2
BEGIN GRID OPENING NO. 3 LOCATED: 1-W8
BEGIN GRID OPENING NO. 4 LOCATED: 1-5.1
BEGIN GRID OPENING NO. 5 LOCATED: 1-X6
BEGIN GRID OPENING NO. 6 LOCATED: 1-W6
BEGIN GRID OPENING NO. 7 LOCATED: 1-V6
BEGIN GRID OPENING NO. 8 LOCATED: 1-U6
BEGIN GRID OPENING NO. 9 LOCATED: 1-X1
BEGIN GRID OPENING NO. 10 LOCATED: 1-Y1

PLATE#:
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13267-LAB BLANK TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 10

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 10 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11/07/9[illegible]

ABD 001 1167

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13267-LAB BLANK TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: 9.999999E-02 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-07-1990 EAL JOB NO:13267
EAL SAMPLE NO: 13267.LB

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
~~B BUNDLE OF PARALLEL FIBERS~~
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-2.1
BEGIN GRID OPENING NO. 2 LOCATED: 1-V6
BEGIN GRID OPENING NO. 3 LOCATED: 1-W6
BEGIN GRID OPENING NO. 4 LOCATED: 1-X6
BEGIN GRID OPENING NO. 5 LOCATED: 1-Y6
BEGIN GRID OPENING NO. 6 LOCATED: 2-M2
BEGIN GRID OPENING NO. 7 LOCATED: 2-N2
BEGIN GRID OPENING NO. 8 LOCATED: 2-O2
BEGIN GRID OPENING NO. 9 LOCATED: 2-P2
BEGIN GRID OPENING NO. 10 LOCATED: 2-Q2

PLATE#:
COMMENTS:

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: 13340 LB TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 10

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 10 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernesto T. Rivi DATE: 11/15/90

ABD 001 1169

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: 13340 LB TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 45
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: 9.999999E-02 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-15-1990 EAL JOB NO:13340
EAL SAMPLE NO: 13340.LB

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
~~X FIBER PARTLY OBSCURED BY GRID WIRE~~
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-G2
BEGIN GRID OPENING NO. 2 LOCATED: 1-B5
BEGIN GRID OPENING NO. 3 LOCATED: 1-C5
BEGIN GRID OPENING NO. 4 LOCATED: 1-D5
BEGIN GRID OPENING NO. 5 LOCATED: 1-E5
BEGIN GRID OPENING NO. 6 LOCATED: 2-U6
BEGIN GRID OPENING NO. 7 LOCATED: 2-V6
BEGIN GRID OPENING NO. 8 LOCATED: 2-W6
BEGIN GRID OPENING NO. 9 LOCATED: 2-X6
BEGIN GRID OPENING NO. 10 LOCATED: 2-Y6

PLATE#:
COMMENTS:

ABD 001 1170

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: 13445 LAB BLANK TYPE: BULK PROJECT #: 1-635-195-02PA2-0

I ASBESTOS CONCENTRATION

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER LITER (=nanogram/cubic meter)

B) TOTAL ASBESTOS COUNT= 0 STRUCTURES/CUBIC CENTIMETER(= 0 STR/LIT)

C) TOTAL ASBESTOS COUNT= 0 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
NONE OBSERVED

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 10

B) TOTAL STRUCTURES INVESTIGATED= 0

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 0
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0
NO.AMPHIBOLE FIBERS= 0
NO.AMPHIBOLE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 0

D) TOTAL NON-ASBESTOS STRUCTURES INVESTIGATED= 0

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 0 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 0 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 0 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 10 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Doty DATE: 12/7/90

ABD 001 1171

EASTERN ANALYTICAL LABORATORIES INC.
ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: 13445 LAB BLANK TYPE: BULK PROJECT #: 1-635-195-02PA2-0
FILTER TYPE: MCE-----ACTIVE DIAMETER (mm): 22.14
VOLUME FILTERED (LITERS): 0
MICROSCOPE: PHILIPS EM300
GRID TYPE: 200 FINDER OPENING AREA (sq.mm): .01
ACCELERATING VOLTAGE (kv): 100----- BEAM CURRENT (UA): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: 9.999999E-02 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-05-1990 EAL JOB NO:13445
EAL SAMPLE NO: 13445.LB

INDIVIDUAL STRUCTURE DATA RECORD

KEY TO ABBREVIATIONS:
F FIBER
X FIBER PARTLY OBSCURED BY GRID WIRE
B BUNDLE OF PARALLEL FIBERS
M MATRIX CONTAINING ONE OR MORE FIBERS
C CLUSTER OF RANDOMLY ORIENTED FIBERS
CH CHRYSOTILE ASBESTOS
AM AMPHIBOLE ASBESTOS (ALL TYPES)
NA NON-ASBESTOS MINERAL (POSITIVE ID.)
AB AMBIGUOUS MINERAL
ST STRONG SAED PATTERN
FV FAINT OR VANISHING SAED PATTERN
NP NO PATTERN (FOLLOWING ATTEMPT)
NX NO PATTERN (NO ATTEMPT)
PA PATTERN AMBIGUOUS (INCOMPLETE, POLYCRYSTALLINE, ETC)

EDX PROFILE ELEMENTS ARE GIVEN AS NA-MG-SI-CA-FE

GRD No.	OBJ No.	OBJ TYP	LEN uM	WID uM	RATIO L/W	THK uM	MIN ID	SAED QUAL	MASS PG	EDX PROFILE	LE >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-Q5											
BEGIN GRID OPENING NO. 2 LOCATED: 1-X2											
BEGIN GRID OPENING NO. 3 LOCATED: 1-R5											
BEGIN GRID OPENING NO. 4 LOCATED: 1-Y2											
BEGIN GRID OPENING NO. 5 LOCATED: 1-S5											
BEGIN GRID OPENING NO. 6 LOCATED: 2-G6											
BEGIN GRID OPENING NO. 7 LOCATED: 2-O2											
BEGIN GRID OPENING NO. 8 LOCATED: 2-H6											
BEGIN GRID OPENING NO. 9 LOCATED: 2-P2											
BEGIN GRID OPENING NO. 10 LOCATED: 2-I6											

PLATE#:
COMMENTS:

ABD 001 1172

BULK ASBESTOS ANALYSIS BY EASTERN ANALYTICAL LABORATORIES,INC.
149 Rangeway Road, N. Billerica, MA 01862
PLM-DS (Polarized Light Microscopy with optional Dispersion Staining)
(EPA METHOD EPA-600/M4-82-020)
VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-06-1990 EAL JOB# 13241 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.13) N650E600-11/1-6A LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL & TILE

TRACE (LESS THAN ONE PERCENT) ASBESTOS DETECTED
: CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.002
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	1.552
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

99+ PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 4% LOSS ON ASHING

DATE: 11-06-1990 SIGNED:_____

Eastern Analytical Laboratories is accredited by the National Bureau of Standards, NVLAP (Lab 1005) for asbestos analysis of bulk samples by Polarized Light Microscopy with optional Dispersion Staining (PLM/DS) and meets requirements of AHERA 40 CFR 763.87(a).

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(EPA METHOD EPA-600/M4-82-020)
VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-06-1990 EAL JOB# 13241 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.12) N650E600-11/1-6B LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL, TILE, GRASS & ROOTS

TRACE (LESS THAN ONE PERCENT) ASBESTOS DETECTED
: CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.002
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	1.552
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

99+ PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 6% LOSS ON ASHING

DATE: 11-06-1990 SIGNED: _____

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VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-06-1990 EAL JOB# 13241 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.12 DUP.)N650E600-11/1-6B LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL, TILE

TRACE (LESS THAN ONE PERCENT) ASBESTOS DETECTED
: CHRYSOTILE

ASBESTOS LAB DATA	**CHRYSOTILE**
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.002
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	1.552
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

99+ PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 8% LOSS ON ASHING

DATE: 11-06-1990 SIGNED: _____

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ABD 001 1175

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(EPA METHOD EPA-600/M4-82-020)
VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-08-1990 EAL JOB# 13267 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.06) N700E550-11/2-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL & TILE

10 PERCENT TOTAL ASBESTOS
: 10 PERCENT CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.002
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	1.552
Dispersion Staining:..	ND
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

90 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 2% LOSS ON ASHING

DATE: 11-08-1990 SIGNED: _____

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PLM-DS (Polarized Light Microscopy with optional Dispersion Staining)
(EPA METHOD EPA-600/M4-82-020)
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11-05-1990 EAL JOB# 13240

CLIENT: ALLIANCE

SAMPLE NO.: (.32) N800E500-10/31-6A LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

NO ASBESTOS DETECTED

Immersion Media:..... 1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

99+ PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 5% LOSS ON ASHING.

DATE: 11-05-1990 SIGNED: _____

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VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-05-1990 EAL JOB# 13240

CLIENT: ALLIANCE

SAMPLE NO.: (.32 DUP.) N800E500-10/31-6A LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

TRACE (LESS THAN ONE PERCENT) ASBESTOS DETECTED
: CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.002
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	1.552
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

99+ PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 2% LOSS ON ASHING

DATE: 11-05-1990 SIGNED:

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VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-05-1990 EAL JOB# 13240

CLIENT: ALLIANCE

SAMPLE NO.: (.37) N800E500-10/31-6B LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL (GRASS & ROOTS)

TRACE (LESS THAN ONE PERCENT) ASBESTOS DETECTED
: CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.002
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	1.552
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

99+ PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 11% LOSS ON ASHING

DATE: 11-05-1990 SIGNED: _____

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VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-08-1990 EAL JOB# 13267 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.09) LOCATION: N850E550-11/2-6
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

NO ASBESTOS DETECTED

Immersion Media:..... 1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

100 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 4% LOSS ON ASHING

DATE: 11-08-1990 SIGNED: _____

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11-08-1990 EAL JOB# 13267 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.10) N850E600-11/2-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL & TILE

TRACE (LESS THAN ONE PERCENT) ASBESTOS DETECTED
: CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.002
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

99+ PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 3% LOSS ON ASHING

DATE: 11-08-1990 SIGNED: _____

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11-05-1990 EAL JOB# 13240 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.24) N900E150-10/31-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL & TILE

20 PERCENT TOTAL ASBESTOS
: 20 PERCENT CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.002
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	1.552
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

80 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 37% LOSS ON ASHING

DATE: 11-05-1990 SIGNED: _____

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PLM-DS (Polarized Light Microscopy with optional Dispersion Staining)
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11-05-1990 EAL JOB# 13240 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.08) N900E550-10/31-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

NO ASBESTOS DETECTED

Immersion Media:..... 1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

99+ PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 21% LOSS ON ASHING

DATE: 11-05-1990 SIGNED: _____

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11-08-1990 EAL JOB# 13267 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.04) N950E650-11/2-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL & TILE

15 PERCENT TOTAL ASBESTOS
: 15 PERCENT CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.002
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	1.552
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

85 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 12% LOSS ON ASHING

DATE: 11-08-1990 SIGNED: _____

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11-05-1990 EAL JOB# 13240 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.30) N1000E150-10/31-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL AND TILE

5 PERCENT TOTAL ASBESTOS
: 5 PERCENT CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.002
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	1.552
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

95 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 30% LOSS ON ASHING

DATE: 11-05-1990 SIGNED: _____

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11-05-1990 EAL JOB# 13240 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.05) N1000E550-10/31-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

5 PERCENT TOTAL ASBESTOS
: 5 PERCENT CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.002
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	1.552
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

95 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 15% LOSS ON ASHING

DATE: 11-05-1990 SIGNED: _____

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11-01-1990 EAL JOB# ~~13193~~ 13205 DK

CLIENT: ALLIANCE

SAMPLE NO.: (13205.10) N1050E500-10/30-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

NO ASBESTOS DETECTED

Immersion Media:..... 1.590HD

.01 PERCENT TOTAL NON-ASBESTOS FIBER
: FIBERGLASS

99+ PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS

DATE: 11-01-1990 SIGNED: _____

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11-08-1990 EAL JOB# 13267 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.15) N1050E550-11/1-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

NO ASBESTOS DETECTED

Immersion Media:..... 1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

100 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 2% LOSS ON ASHING

DATE: 11-08-1990 SIGNED: _____

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11-08-1990 EAL JOB# 13267 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.13) N1100E600-11/1-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL & PLASTER

5 PERCENT TOTAL ASBESTOS
: 5 PERCENT CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.002
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

95 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 6% LOSS ON ASHING

DATE: 11-08-1990 SIGNED: _____

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ABD 001 1189

BULK ASBESTOS ANALYSIS BY EASTERN ANALYTICAL LABORATORIES,INC.
149 Rangeway Road, N. Billerica, MA 01862
PLM-DS (Polarized Light Microscopy with optional Dispersion Staining)
(EPA METHOD EPA-600/M4-82-020)
VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-08-1990 EAL JOB# 13267 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.01) N1100E650-11/2-24 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: RED & WHITE PLASTER/LAGGING

20 PERCENT TOTAL ASBESTOS
: 20 PERCENT CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.002
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	1.552
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

80 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 5% LOSS ON ASHING

DATE: 11-08-1990 SIGNED: _____

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BULK ASBESTOS ANALYSIS BY EASTERN ANALYTICAL LABORATORIES,INC.
149 Rangeway Road, N. Billerica, MA 01862
PLM-DS (Polarized Light Microscopy with optional Dispersion Staining)
(EPA METHOD EPA-600/M4-82-020)
VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-08-1990 EAL JOB# 13267 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.14) N1100E700-11/1-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: SOIL, TILE, PLASTER

5 PERCENT TOTAL ASBESTOS
: 5 PERCENT CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.002
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

95 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 4% LOSS ON ASHING

DATE: 11-08-1990 SIGNED: _____

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BULK ASBESTOS ANALYSIS BY EASTERN ANALYTICAL LABORATORIES, INC.
149 Rangeway Road, N. Billerica, MA 01862
PLM-DS (Polarized Light Microscopy with optional Dispersion Staining)
(EPA METHOD EPA-600/M4-82-020)
VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-08-1990 EAL JOB# 13267 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.11) N1200E650-11/2-24 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: GRAY PLASTER

5 PERCENT TOTAL ASBESTOS
: 5 PERCENT CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.002
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

95 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 7% LOSS ON ASHING

DATE: 11-08-1990 SIGNED: _____

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BULK ASBESTOS ANALYSIS BY EASTERN ANALYTICAL LABORATORIES,INC.
149 Rangeway Road, N. Billerica, MA 01862
PLM-DS (Polarized Light Microscopy with optional Dispersion Staining)
(EPA METHOD EPA-600/M4-82-020)
VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-09-1990 EAL JOB# 13267 W K BARNETT

CLIENT: ALLIANCE

SAMPLE NO.: DUPLICATE OF .11D LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: SOIL

4 PERCENT TOTAL ASBESTOS
: 4 PERCENT CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	0
Birefringence:.....	0.01
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	1.54
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

1 PERCENT TOTAL NON-ASBESTOS FIBER
: CELLULOSE FIBERGLASS

95 PERCENT TOTAL NON-FIBER MATTER
: CLAY MINERAL GRAINS

DATE: 11-09-1990 SIGNED: _____

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Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

ABD 001 1193

BULK ASBESTOS ANALYSIS BY EASTERN ANALYTICAL LABORATORIES, INC.
149 Rangeway Road, N. Billerica, MA 01862
PLM-DS (Polarized Light Microscopy with optional Dispersion Staining)
(EPA METHOD EPA-600/M4-82-020)
VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-08-1990 EAL JOB# 13267 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.17) N1200E700-11/1-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL & TILE

15 PERCENT TOTAL ASBESTOS
: 15 PERCENT CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.002
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

85 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 3% LOSS ON ASHING

DATE: 11-08-1990 SIGNED: _____

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BULK ASBESTOS ANALYSIS BY EASTERN ANALYTICAL LABORATORIES,INC.
149 Rangeway Road, N. Billerica, MA 01862
PLM-DS (Polarized Light Microscopy with optional Dispersion Staining)
(EPA METHOD EPA-600/M4-82-020)
VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-01-1990 EAL JOB# ~~[illegible]~~ 13205 DK

CLIENT:ALLIANCE

SAMPLE NO.: (13205.01) N1217E587 10/30-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

TRACE (LESS THAN ONE PERCENT) ASBESTOS DETECTED
: CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.02
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	1.57
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD N

6 PERCENT TOTAL NON-ASBESTOS FIBER
:WGT LOSS ON ASHING

94 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS

DATE: 11-01-1990 SIGNED: _____

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BULK ASBESTOS ANALYSIS BY EASTERN ANALYTICAL LABORATORIES, INC.
149 Rangeway Road, N. Billerica, MA 01862
PLM-DS (Polarized Light Microscopy with optional Dispersion Staining)
(EPA METHOD EPA-600/M4-82-020)
VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-01-1990 EAL JOB# ~~13193~~ 13205 DK

CLIENT: ALLIANCE

SAMPLE NO.: (13205.16) N1250E250-10/30-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

NO ASBESTOS DETECTED

Immersion Media:..... 1.590HD

.01 PERCENT TOTAL NON-ASBESTOS FIBER
: FIBERGLASS

99+ PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS

DATE: 11-01-1990 SIGNED: _____

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BULK ASBESTOS ANALYSIS BY EASTERN ANALYTICAL LABORATORIES,INC.
149 Rangeway Road, N. Billerica, MA 01862
PLM-DS (Polarized Light Microscopy with optional Dispersion Staining)
(EPA METHOD EPA-600/M4-82-020)
VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-01-1990 EAL JOB# 13193 DK

CLIENT:ALLIANCE

SAMPLE NO.: (EAL .01) N1250E450 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

NO ASBESTOS DETECTED

Immersion Media:..... 1.590HD NONE

15 PERCENT TOTAL NON-ASBESTOS FIBER
: CELLULOSE

85 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS

DATE: 11-01-1990 SIGNED: _____

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BULK ASBESTOS ANALYSIS BY EASTERN ANALYTICAL LABORATORIES,INC.
149 Rangeway Road, N. Billerica, MA 01862
PLM-DS (Polarized Light Microscopy with optional Dispersion Staining)
(EPA METHOD EPA-600/M4-82-020)
VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-01-1990 EAL JOB# 13193 DK

CLIENT:ALLIANCE

SAMPLE NO.: (.01 DUPLICATE) NN1250E450 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

NO ASBESTOS DETECTED

Immersion Media:..... 1.590HD NONE

15 PERCENT TOTAL NON-ASBESTOS FIBER
: CELLULOSE

85 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS

DATE: 11-01-1990 SIGNED:

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BULK ASBESTOS ANALYSIS BY EASTERN ANALYTICAL LABORATORIES,INC.
149 Rangeway Road, N. Billerica, MA 01862
PLM-DS (Polarized Light Microscopy with optional Dispersion Staining)
(EPA METHOD EPA-600/M4-82-020)
VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-01-1990 EAL JOB# ~~13193~~ 13205 DK

CLIENT: ALLIANCE

SAMPLE NO.: (13205.13) N1250E650-10/30-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

NO ASBESTOS DETECTED

Immersion Media:..... 1.590HD N

.01 PERCENT TOTAL NON-ASBESTOS FIBER
: FIBERGLASS

3 PERCENT TOTAL NON-FIBER MATTER
:WGT LOSS ON ASHING

DATE: 11-01-1990 SIGNED: _____

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BULK ASBESTOS ANALYSIS BY EASTERN ANALYTICAL LABORATORIES, INC.
149 Rangeway Road, N. Billerica, MA 01862
PLM-DS (Polarized Light Microscopy with optional Dispersion Staining)
(EPA METHOD EPA-600/M4-82-020)
VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-01-1990 EAL JOB# 13205 DK

CLIENT: ALLIANCE

SAMPLE NO.: 13205.08 DUP. LOCATION: N1300E500-10/30-6
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

NO ASBESTOS DETECTED

Immersion Media:..... 1.590HD

.01 PERCENT TOTAL NON-ASBESTOS FIBER
: FIBERGLASS

94 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 6 % WGT LOSS ON ASHING

DATE: 11-01-1990 SIGNED: _____

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ABD 001 1200

BULK ASBESTOS ANALYSIS BY EASTERN ANALYTICAL LABORATORIES, INC.
149 Rangeway Road, N. Billerica, MA 01862
PLM-DS (Polarized Light Microscopy with optional Dispersion Staining)
(EPA METHOD EPA-600/M4-82-020)
VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-01-1990 EAL JOB# ~~13193~~ 13205 DK

CLIENT: ALLIANCE

SAMPLE NO.: (13205.08) N1300E500-10/30-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

NO ASBESTOS DETECTED

Immersion Media:..... 1.590HD N

6 PERCENT TOTAL NON-ASBESTOS FIBER
:WGT LOSS ON ASHING

94 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS

DATE: 11-01-1990 SIGNED: _____

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149 Rangeway Road, N. Billerica, MA 01862
PLM-DS (Polarized Light Microscopy with optional Dispersion Staining)
(EPA METHOD EPA-600/M4-82-020)
VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-01-1990 EAL JOB# ~~13193~~ 13205 DK

CLIENT: ALLIANCE

SAMPLE NO.: (13205.32) N1400E650-10/30-6 LOCATION: 14.3' W
SAMPLE GROSS APPEARANCE: MIXED FIBROUS & NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

TRACE (LESS THAN ONE PERCENT) ASBESTOS DETECTED
: CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.002
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	.155
Index (Perpendicular):	.1555
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

.02 PERCENT TOTAL NON-ASBESTOS FIBER
: FIBERGLASS

99+ PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS

DATE: 11-01-1990 SIGNED: _____

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ABD 001 1202

BULK ASBESTOS ANALYSIS BY EASTERN ANALYTICAL LABORATORIES,INC.
149 Rangeway Road, N. Billerica, MA 01862
PLM-DS (Polarized Light Microscopy with optional Dispersion Staining)
(EPA METHOD EPA-600/M4-82-020)
VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-01-1990 EAL JOB# ~~13193~~ 13205 DK

CLIENT: ALLIANCE

SAMPLE NO.: (13205.17) N1450E250-10/30-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

TRACE (LESS THAN ONE PERCENT) ASBESTOS DETECTED
: CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.002
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	1.555
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

.01 PERCENT TOTAL NON-ASBESTOS FIBER
: FIBERGLASS

99+ PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS

DATE: 11-01-1990 SIGNED: _____

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ABD 001 1203

BULK ASBESTOS ANALYSIS BY EASTERN ANALYTICAL LABORATORIES, INC.
149 Rangeway Road, N. Billerica, MA 01862
PLM-DS (Polarized Light Microscopy with optional Dispersion Staining)
(EPA METHOD EPA-600/M4-82-020)
VERSION 3.2 COPYRIGHT (c) 1989 BY EAL

11-06-1990 EAL JOB# 13241 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.09) N1450E650-11/1-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL & TILE

TRACE (LESS THAN ONE PERCENT) ASBESTOS DETECTED
: CHRYSOTILE

ASBESTOS LAB DATA	CHRYSOTILE
Morphology:.....	WAVY
Color:.....	NONE
Pleochroism:.....	NON-PLEOCHROIC
Extinction Angle.....	P
Birefringence:.....	.002
Sign of Elongation:...	POSITIVE
Index (Parallel):.....	1.55
Index (Perpendicular):	1.552
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

99+ PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 5% LOSS ON ASHING

DATE: 11-06-1990 SIGNED: _____

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ABD 001 1204

APPENDIX B

AIR SAMPLING DATA SHEETS

ABD 001 1205

EASTERN ANALYTICAL LABORATORIES, INC.
ANALYSIS FOR AIRBORN ASBESTOS BY PHASE CONTRAST MICROSCOPY (PCM)
(NIOSH 7400 METHOD, A RULES, REV. #3, 5/15/89)
Software Version 3.0 (06/15/90)
-E.A.L. is accredited by the AIHA for the analysis of airborn asbestos by PCM.

CLIENT: ALLIANCE
ANALYZED BY: D KILLIUS EAL JOB NO.: 13193 10-31-1990

SAMPLE: (.16) 10/29 AMB UP
LOCATION: FRONT OF HOUSE
Volume Sampled in Liters: 1040 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.0005

Suspect Fiber Concentration per cc: 0.0005
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0005
TOTAL FIBER LOAD (PER MM SQ): 1.273
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 1)
COMMENTS:

OPERATOR

ABD 001 1206

EASTERN ANALYTICAL LABORATORIES, INC.
ANALYSIS FOR AIRBORN ASBESTOS BY PHASE CONTRAST MICROSCOPY (PCM)
(NIOSH 7400 METHOD, A RULES, REV. #3, 5/15/89)
Software Version 3.0 (06/15/90)
-E.A.L. is accredited by the AIHA for the analysis of airborn asbestos by PCM.

CLIENT: ALLIANCE
ANALYZED BY: D KILLIUS EAL JOB NO.: 13193 10-31-1990

SAMPLE: (.17) AMB-10/29 DOWN
LOCATION: DOWNWIND
Volume Sampled in Liters: 970 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS LESS THAN 0.0005

Suspect Fiber Concentration per cc: 0.000
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0005
TOTAL FIBER LOAD (PER MM SQ): 0.000
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 0)
OPERATOR
COMMENTS:

SAMPLE: (.17 DUP.) 10/29 DOWN
LOCATION: DOWNWIND
Volume Sampled in Liters: 970 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.001

Suspect Fiber Concentration per cc: 0.001
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0005
TOTAL FIBER LOAD (PER MM SQ): 2.546
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 2)
OPERATOR
COMMENTS:

SAMPLE: (.18) AMB 10/29-1
LOCATION: TOM L.
Volume Sampled in Liters: 274 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.002

Suspect Fiber Concentration per cc: 0.002
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0018
TOTAL FIBER LOAD (PER MM SQ): 1.273
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 1)
OPERATOR
COMMENTS:

EASTERN ANALYTICAL LABORATORIES, INC.
ANALYSIS FOR AIRBORN ASBESTOS BY PHASE CONTRAST MICROSCOPY (PCM)
(NIOSH 7400 METHOD, A RULES, REV. #3, 5/15/89)
Software Version 3.0 (06/15/90)
-E.A.L. is accredited by the AIHA for the analysis of airborn asbestos by PCM.

CLIENT: ALLIANCE
ANALYZED BY: D KILLIUS EAL JOB NO.: 13193 10-31-1990

SAMPLE: (.19) AMB 10/29-2
LOCATION: JULIA I.
Volume Sampled in Liters: 280 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.004

Suspect Fiber Concentration per cc: 0.004
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0018
TOTAL FIBER LOAD (PER MM SQ): 2.546
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 2)
OPERATOR
COMMENTS:

SAMPLE: (.20) AMB 10/29-3
LOCATION: RON P.
Volume Sampled in Liters: 270 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.002

Suspect Fiber Concentration per cc: 0.000
Non-Suspect Fiber Concentration per cc: 0.002
DETECTION LIMIT (PER CC) : 0.0018
TOTAL FIBER LOAD (PER MM SQ): 1.273
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 1)
OPERATOR
COMMENTS:

SAMPLE: (.21) AMB 10/29 FB-1
LOCATION: F.B.
Volume Sampled in Liters: 0 Filter Diameter: 25 mm.

VOLUME = 0 (ZERO); VOLUMETRIC FIBER CONCENTRATIONS NOT CALCULATED

TOTAL FIBER LOAD (PER MM SQ): 0.000
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 0)
OPERATOR
COMMENTS:

EASTERN ANALYTICAL LABORATORIES, INC.
ANALYSIS FOR AIRBORN ASBESTOS BY PHASE CONTRAST MICROSCOPY (PCM)
(NIOSH 7400 METHOD, A RULES, REV. #3, 5/15/89)
Software Version 3.0 (06/15/90)
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CLIENT: ALLIANCE
ANALYZED BY: D KILLIUS EAL JOB NO.: 13193 10-31-1990

SAMPLE: (.22) AMB 10/29-FB2
LOCATION: F.B.
Volume Sampled in Liters: 0 Filter Diameter: 25 mm.

VOLUME = 0 (ZERO); VOLUMETRIC FIBER CONCENTRATIONS NOT CALCULATED

TOTAL FIBER LOAD (PER MM SQ): 0.000
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 0)
OPERATOR
COMMENTS:

ABD 001 1209

EASTERN ANALYTICAL LABORATORIES, INC.
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CLIENT: ALLIANCE
ANALYZED BY: D KILLIUS EAL JOB NO.: 13205 10-31-1990

SAMPLE: (13205.38) AMB 10/30 UP
LOCATION: UPWIND
Volume Sampled in Liters: 1490 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.001

Suspect Fiber Concentration per cc: 0.001
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0003
TOTAL FIBER LOAD (PER MM SQ): 2.546
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 2)
OPERATOR
COMMENTS:

SAMPLE: (.38 DUPLICATE) AMB 10/30 UP
LOCATION: UPWIND
Volume Sampled in Liters: 1490 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.000

Suspect Fiber Concentration per cc: 0.000
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0003
TOTAL FIBER LOAD (PER MM SQ): 1.273
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 1)
OPERATOR
COMMENTS:

SAMPLE: (.39) AMB 10/30 DOWN
LOCATION: DOWNWIND
Volume Sampled in Liters: 1650 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS LESS THAN 0.0003

Suspect Fiber Concentration per cc: 0.000
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0003
TOTAL FIBER LOAD (PER MM SQ): 0.000
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 0)
OPERATOR
COMMENTS:

EASTERN ANALYTICAL LABORATORIES, INC.
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CLIENT: ALLIANCE
ANALYZED BY: D KILLIUS EAL JOB NO.: 13205 10-31-1990

SAMPLE: (.40) AMB-10/30-01
LOCATION: MARIA D.
Volume Sampled in Liters: 392 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.006

Suspect Fiber Concentration per cc: 0.006
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0013
TOTAL FIBER LOAD (PER MM SQ): 6.366
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 5)
OPERATOR
COMMENTS:

SAMPLE: (.41) AMB-10/30-02
LOCATION: BOB M.
Volume Sampled in Liters: 396 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.001

Suspect Fiber Concentration per cc: 0.001
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0012
TOTAL FIBER LOAD (PER MM SQ): 1.273
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 1)
OPERATOR
COMMENTS:

EASTERN ANALYTICAL LABORATORIES, INC.
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CLIENT: ALLIANCE
ANALYZED BY: D KILLIUS EAL JOB NO.: 13205 10-31-1990

SAMPLE: (.42) AMB-10/30-03
LOCATION: RICK R.
Volume Sampled in Liters: 410 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.002

Suspect Fiber Concentration per cc: 0.002
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0012
TOTAL FIBER LOAD (PER MM SQ): 2.546
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 2)
OPERATOR
COMMENTS:

SAMPLE: (.43) AMB 10/30-FB1
LOCATION: FB1
Volume Sampled in Liters: 0 Filter Diameter: 25 mm.

VOLUME = 0 (ZERO); VOLUMETRIC FIBER CONCENTRATIONS NOT CALCULATED

TOTAL FIBER LOAD (PER MM SQ): 0.000
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 0)
OPERATOR
COMMENTS:

SAMPLE: (.44) AMB-10/30-FB2
LOCATION: FB2
Volume Sampled in Liters: 0 Filter Diameter: 25 mm.

VOLUME = 0 (ZERO); VOLUMETRIC FIBER CONCENTRATIONS NOT CALCULATED

TOTAL FIBER LOAD (PER MM SQ): 0.000
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 0)
OPERATOR
COMMENTS:

EASTERN ANALYTICAL LABORATORIES, INC.
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CLIENT: ALLIANCE
ANALYZED BY: D KILLIUS EAL JOB NO.: 13240 11-02-1990

SAMPLE: (.40) AMB-10/31-UP
LOCATION: UPWIND
Volume Sampled in Liters: 1010 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.000

Suspect Fiber Concentration per cc: 0.000
Non-Suspect Fiber Concentration per cc: 0.000
~~DETECTION LIMIT (PER CC) : 0.0005~~
TOTAL FIBER LOAD (PER MM SQ): 1.273
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 1)
OPERATOR
COMMENTS:

SAMPLE: (.41) AMB-10/31-DN
LOCATION: DOWNWIND
Volume Sampled in Liters: 960 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS LESS THAN 0.0005

Suspect Fiber Concentration per cc: 0.000
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0005
TOTAL FIBER LOAD (PER MM SQ): 0.000
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 0)
OPERATOR
COMMENTS:

SAMPLE: (.42)
LOCATION: JULIA i.
Volume Sampled in Liters: 380 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.010

Suspect Fiber Concentration per cc: 0.010
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0013
TOTAL FIBER LOAD (PER MM SQ): 10.186
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 8)
OPERATOR
COMMENTS:

EASTERN ANALYTICAL LABORATORIES, INC.
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CLIENT: ALLIANCE
ANALYZED BY: D KILLIUS EAL JOB NO.: 13240 11-02-1990

SAMPLE: (.43) AMB-10/31-02
LOCATION: RON P.
Volume Sampled in Liters: 388 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.004

Suspect Fiber Concentration per cc: 0.004
Non-Suspect Fiber Concentration per cc: 0.000
~~DETECTION LIMIT (PER CC) : 0.0013~~
TOTAL FIBER LOAD (PER MM SQ): 3.820
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 3)
OPERATOR
COMMENTS:

SAMPLE: (.44) AMB-10/31-03
LOCATION: TOM L.
Volume Sampled in Liters: 398 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.005

Suspect Fiber Concentration per cc: 0.005
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0012
TOTAL FIBER LOAD (PER MM SQ): 5.093
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 4)
OPERATOR
COMMENTS:

EASTERN ANALYTICAL LABORATORIES, INC.
ANALYSIS FOR AIRBORN ASBESTOS BY PHASE CONTRAST MICROSCOPY (PCM)
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CLIENT: ALLIANCE
ANALYZED BY: D KILLIUS EAL JOB NO.: 13240 11-02-1990

SAMPLE: (.45) AMB-10/31-FB01
LOCATION: FB
Volume Sampled in Liters: 0 Filter Diameter: 25 mm.

VOLUME = 0 (ZERO); VOLUMETRIC FIBER CONCENTRATIONS NOT CALCULATED

TOTAL FIBER LOAD (PER MM SQ): 0.000
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 0)
OPERATOR
COMMENTS:

SAMPLE: (.46) AMB-10/31-FB02
LOCATION: FB
Volume Sampled in Liters: 0 Filter Diameter: 25 mm.

VOLUME = 0 (ZERO); VOLUMETRIC FIBER CONCENTRATIONS NOT CALCULATED

TOTAL FIBER LOAD (PER MM SQ): 0.000
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 0)
OPERATOR
COMMENTS:

SAMPLE: (.42 DUP) AMB-10/31-01 DUPLICATE
LOCATION: JULIA I.
Volume Sampled in Liters: 380 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.012

Suspect Fiber Concentration per cc: 0.005
Non-Suspect Fiber Concentration per cc: 0.006
DETECTION LIMIT (PER CC) : 0.0013
TOTAL FIBER LOAD (PER MM SQ): 11.459
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 9)
OPERATOR
COMMENTS: CELLULOSIC TYPES OBSERVED

EASTERN ANALYTICAL LABORATORIES, INC.
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CLIENT: ALLIANCE
ANALYZED BY: D KILLIUS EAL JOB NO.: 13241 11-02-1990

SAMPLE: (.01) AMB-11/1-UP
LOCATION: UPWIND
Volume Sampled in Liters: 1179 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.000

Suspect Fiber Concentration per cc: 0.000
Non-Suspect Fiber Concentration per cc: 0.000
~~DETECTION LIMIT (PER CC) : 0.0004~~
TOTAL FIBER LOAD (PER MM SQ): 1.273
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 1)
OPERATOR
COMMENTS:

SAMPLE: (.02) AMB-11/1-DN
LOCATION: DOWNWIND
Volume Sampled in Liters: 1290 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.000

Suspect Fiber Concentration per cc: 0.000
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0004
TOTAL FIBER LOAD (PER MM SQ): 1.273
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 1)
OPERATOR
COMMENTS:

SAMPLE: (.03) AMB-11/1-01
LOCATION: BOB M.
Volume Sampled in Liters: 268 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.005

Suspect Fiber Concentration per cc: 0.005
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0018
TOTAL FIBER LOAD (PER MM SQ): 3.820
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 3)
OPERATOR
COMMENTS:

EASTERN ANALYTICAL LABORATORIES, INC.
ANALYSIS FOR AIRBORN ASBESTOS BY PHASE CONTRAST MICROSCOPY (PCM)
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CLIENT: ALLIANCE
ANALYZED BY: D KILLIUS EAL JOB NO.: 13241 11-02-1990

SAMPLE: (.04) AMB-11/1-02
LOCATION: RON P
Volume Sampled in Liters: 240 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.004

Suspect Fiber Concentration per cc: 0.004
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0020
TOTAL FIBER LOAD (PER MM SQ): 2.546
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 2)
OPERATOR
COMMENTS:

SAMPLE: (.05) AMB-11/1-03
LOCATION: RICK R.
Volume Sampled in Liters: 256 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.004

Suspect Fiber Concentration per cc: 0.004
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0019
TOTAL FIBER LOAD (PER MM SQ): 2.546
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 2)
OPERATOR
COMMENTS:

SAMPLE: (.06) AMB-11/1-FB1
LOCATION: F.B.
Volume Sampled in Liters: 0 Filter Diameter: 25 mm.

VOLUME = 0 (ZERO); VOLUMETRIC FIBER CONCENTRATIONS NOT CALCULATED

TOTAL FIBER LOAD (PER MM SQ): 0.000
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 0)
OPERATOR
COMMENTS:

EASTERN ANALYTICAL LABORATORIES, INC.
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CLIENT: ALLIANCE
ANALYZED BY: D KILLIUS EAL JOB NO.: 13241 11-02-1990

SAMPLE: (.07) AMB-11/1-FB2
LOCATION: F.B.
Volume Sampled in Liters: 0 Filter Diameter: 25 mm.

VOLUME = 0 (ZERO); VOLUMETRIC FIBER CONCENTRATIONS NOT CALCULATED

TOTAL FIBER LOAD (PER MM SQ): 1.273
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 1)
OPERATOR
COMMENTS:

SAMPLE: (.04 DUP) AMB-11/1-03 DUPLICATE
LOCATION: RON P.
Volume Sampled in Liters: 240 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.004

Suspect Fiber Concentration per cc: 0.004
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0020
TOTAL FIBER LOAD (PER MM SQ): 2.546
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 2)
OPERATOR
COMMENTS:

EASTERN ANALYTICAL LABORATORIES, INC.
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CLIENT: **ALLIANCE**
ANALYZED BY: D KILLIUS EAL JOB NO.: 13267 11-07-1990

SAMPLE: **(.18) AMB-11/2-UP**
LOCATION: **UPWIND**
Volume Sampled in Liters: 675 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.001

Suspect Fiber Concentration per cc: 0.001
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0007
TOTAL FIBER LOAD (PER MM SQ): 1.273
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 1)
OPERATOR
COMMENTS:

SAMPLE: **(.19) AMB-11/2-DOWN**
LOCATION: **DOWNWIND**
Volume Sampled in Liters: 675 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.001

Suspect Fiber Concentration per cc: 0.001
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0007
TOTAL FIBER LOAD (PER MM SQ): 2.546
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 2)
OPERATOR
COMMENTS:

SAMPLE: **(.20) AMB-11/2-01**
LOCATION: **PERSONAL**
Volume Sampled in Liters: 450 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.004

Suspect Fiber Concentration per cc: 0.004
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0011
TOTAL FIBER LOAD (PER MM SQ): 5.093
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 4)
OPERATOR
COMMENTS:

EASTERN ANALYTICAL LABORATORIES, INC.
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CLIENT: ALLIANCE
ANALYZED BY: D KILLIUS EAL JOB NO.: 13267 11-07-1990

SAMPLE: (.21) AMB-11/2-02
LOCATION: PERSONAL
Volume Sampled in Liters: 450 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.010

Suspect Fiber Concentration per cc: 0.010
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0011
TOTAL FIBER LOAD (PER MM SQ): 11.459
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 9)
COMMENTS:

OPERATOR

ABD 001 1220

EASTERN ANALYTICAL LABORATORIES, INC.
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CLIENT: ALLIANCE
ANALYZED BY: D KILLIUS EAL JOB NO.: 13267 11-07-1990

SAMPLE: (.21 DUPLICATE) AMB-11/2-02
LOCATION: PERSONAL
Volume Sampled in Liters: 450 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.011

Suspect Fiber Concentration per cc: 0.011
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0011
TOTAL FIBER LOAD (PER MM SQ): 12.732
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 10)
COMMENTS:

OPERATOR

ABD 001 1221

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CLIENT: ALLIANCE
ANALYZED BY: D KILLIUS EAL JOB NO.: 13267 11-07-1990

SAMPLE: (.22) AMB-11/2-FB1
LOCATION: FB1
Volume Sampled in Liters: 0 Filter Diameter: 25 mm.

VOLUME = 0 (ZERO); VOLUMETRIC FIBER CONCENTRATIONS NOT CALCULATED

TOTAL FIBER LOAD (PER MM SQ): 0.000
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 0)
OPERATOR
COMMENTS:

SAMPLE: (.23) AMB-11/2-FB2
LOCATION: FB2
Volume Sampled in Liters: 0 Filter Diameter: 25 mm.

VOLUME = 0 (ZERO); VOLUMETRIC FIBER CONCENTRATIONS NOT CALCULATED

TOTAL FIBER LOAD (PER MM SQ): 0.000
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 0)
OPERATOR
COMMENTS:

TRC REPORT - AS TOS FIBERS IN AIR

CLIENT: ~~[illegible]~~ EPA
ADDRESS: 651 Whitebridge Rd. Millington N.J.

PROJECT #: 1635-195-0-2PA2-0
SAMPLER: R. Morse — DATE: 10/22/90
ANALYST: — DATE:
LAB #: — PAGE 1 OF 2

PARAMETER	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 6
FIELD SAMPLE NUMBER	AMB-10/29-Up	AMB-10/29-Down	AMB-10/29-1	AMB-10/29-2	AMB-10/29-3	AMB-10/29-FB1
SAMPLING LOCATION/ COMMENTS Ambient Samples	Upwind Area Samples Front of House	Downwind South of Bulk Sample Area	Tom Ludovico	Julia Ispontchian	Ron Poustchi	Field Blank
			Personal Samples			
PUMP NUMBER	IL900012	IL900015	88P099	IL88000386	IL88000560	—
START TIME	1456	1458	1412	1413	1416	—
FINISH TIME	1640	1635	1629	1633	1631	—
ELAPSED TIME (T), min.	104 min.	97 min.	137 min.	140 min.	135 min.	min.
FLOW RATE	10.0 lpm	10.0 lpm	2.0 lpm	2.0 lpm	2.0 lpm	lpm
TOTAL VOLUME (liters)	1040 liters	970 liters	274 liters	280 liters	270 liters	liters
FIBERS COUNTED (FB)						
FIELDS COUNTED (FL)						
BLANK FIBERS (BFB)						
BLANK FIELDS (BFL)						
EFFECTIVE CATCH AREA (ECA), mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2
MICROSCOPIC FIELD AREA (MFA), mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2
AIRBORNE CONCENTRATION (AC), fibers/cc						

$$AC = \frac{[(FB/FL) - (BFB/BFL)]\ (ECA)}{1000\ (FR)\ (T)\ (MFA)}$$

REMARKS:

METHOD AND DESCRIPTION OF ANALYSIS - NIOSH 7400

1) n.d. < = non-detected, less than
2) Detection limit = 0.055 fibers/field
3) Analysis is performed in accordance with NIOSH Method 7400, A Rules. The OSHA PEL (Permissible Exposure Limit) for exposure to asbestos fibers is 0.2 fibers longer than 5 micrometers per cubic centimeter.
4) The laboratory is not responsible for sample collection or interpretation of results.

EAL13205

Alliance [redacted] REPORT - ASBESTOS FIBERS IN AIR

CLIENT: E.P.A.

ADDRESS: 651 Whitebridge Rd
Millington, N.J.

PROJECT #: 1635-195-0-2PA2-0

SAMPLER: R. Morse

DATE: 10/30/90

ANALYST:

DATE:

LAB #:

PAGE 1 OF 1

	13205.38	.39	.40	.41	.42	.43	.44
PARAMETER	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 6	AMB-10/30/FB2
FIELD SAMPLE NUMBER	AMB-10/30-Up	AMB-10/30-Dwn	AMB-10/30-01	AMB-10/30-02	AMB-10/30-03	AMB-10/30-FB1	
SAMPLING LOCATION/ COMMENTS Ambient During Bulk Sampling	Upwind	Downwind	Maria Dunn	Bob Morse	Rick Ramuglia		
	Area	Samples	Personal Air Samples				
PUMP NUMBER	IL900012	IL900015	880099	IL[illegible]96	IL[illegible]60		
START TIME	0930	0919	1336	1337	13[illegible]40		
FINISH TIME	1159	1204	1652	1655	1705		
ELAPSED TIME (T), min.	149 min.	165 min.	196 min.	198 min.	205 min.	min.	
FLOW RATE	10.0 lpm	10.0 lpm	2.0 lpm	2.0 lpm	2.0 lpm	lpm	
TOTAL VOLUME (liters)	1490 liters	1650 liters	392 liters	396 liters	410 liters	liters	
FIBERS COUNTED (FB)							
FIELDS COUNTED (FL)							
BLANK FIBERS (BFB)							
BLANK FIELDS (BFL)							
EFFECTIVE CATCH AREA (ECA), mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	
MICROSCOPIC FIELD AREA (MFA), mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	
AIRBORNE CONCENTRATION (AC), fibers/cc							

$$AC = \frac{[(FB/FL) - (BFB/BFL)]\ (ECA)}{1000\ (FR)\ (T)\ (MFA)}$$

REMARKS:

METHOD AND DESCRIPTION OF ANALYSIS - NIOSH 7400

1) n.d. < = non-detected, less than
2) Detection limit = 0.055 fibers/field
3) Analysis is performed in accordance with NIOSH Method 7400, A Rules. The OSHA PEL (Permissible Exposure Limit) for exposure to asbestos fibers is 0.2 fibers longer than 5 micrometers per cubic centimeter.
4) The laboratory is not responsible for sample collection or interpretation of results.

EAL13240

TRC REPORT - ASBESTOS FIBERS IN AIR

CLIENT: EPA.
ADDRESS: 651 Whitebridge Rd
Millington N.J.

PROJECT #: 1635-195-0-2PA2-0
SAMPLER: T. Ludovico DATE: 10/31/90
ANALYST: DATE:
LAB #: PAGE 1 OF 2

PARAMETER	SAMPLE 1 (.40)	SAMPLE 2 (.41)	SAMPLE 3 (.42)	SAMPLE 4 (.43)	SAMPLE 5 (.44)	SAMPLE 6 (.45)
FIELD SAMPLE NUMBER	AMB-10/31-up	AMB-10/31-DN	AMB-10/31-01	AMB-10/31-02	AMB-10/31-03	AMB-10/31-FB01
SAMPLING LOCATION/ COMMENTS	Area Sample Up Wind 15' SE of N1000 E150	Area Sample Down Wind 20' E of N950 E550	Personal Julia Ispentchin	Personal Ron Poustchi	Personal Tom Ludovico	Field Blank
PUMP NUMBER	Alpha 1/6	Alpha 1/3	88000560 NYC	880099	88000586 NYC	—
START TIME	09:50	0900	1410	1345	1342	—
FINISH TIME	1715	1700	1720	1650	1701	—
ELAPSED TIME (T), min.	505 min.	480 min.	190 min.	185 min.	199 min.	— min.
FLOW RATE	2.0 lpm	2.0 lpm	2.0 lpm	2.1 lpm	2.0 lpm	— lpm
TOTAL VOLUME (liters)	1010 liters	960 liters	380 liters	388.5 liters	398 liters	— liters
FIBERS COUNTED (FB)						
FIELDS COUNTED (FL)						
BLANK FIBERS (BFB)						
BLANK FIELDS (BFL)						
EFFECTIVE CATCH AREA (ECA), mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2
MICROSCOPIC FIELD AREA (MFA), mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2
AIRBORNE CONCENTRATION (AC), fibers/cc						

$$AC = \frac{[(FB/FL) - (BFB/BFL)]\ (ECA)}{1000\ (FR)\ (T)\ (MFA)}$$

REMARKS:

METHOD AND DESCRIPTION OF ANALYSIS - NIOSH 7400

1) n.d. < = non-detected, less than
2) Detection limit = 0.055 fibers/field
3) Analysis is performed in accordance with NIOSH Method 7400, A Rules. The OSHA PEL (Permissible Exposure Limit) for exposure to asbestos fibers is 0.2 fibers longer than 5 micrometers per cubic centimeter.
4) The laboratory is not responsible for sample collection or interpretation of results.

ABD 001 1225

EAL 13240

TRC REPORT - ASBESTOS FIBERS IN AIR

CLIENT: EPA
ADDRESS: 651 Whitebridge Rd
Millington NJ

PROJECT #: 1635-195-0-2PA2-0
SAMPLER: T. Ludovico DATE: 10/31/90
ANALYST: DATE:
LAB #: PAGE 2 OF 2

.46

PARAMETER	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 6
FIELD SAMPLE NUMBER	AMB-10/31-FB02					
SAMPLING LOCATION/ COMMENTS	Field Blank					
PUMP NUMBER	—					
START TIME	—					
FINISH TIME	—					
ELAPSED TIME (T), min.	— min.	min.	min.	min.	min.	min.
FLOW RATE	— lpm	lpm	lpm	lpm	lpm	lpm
TOTAL VOLUME (liters)	— liters	liters	liters	liters	liters	liters
FIBERS COUNTED (FB)						
FIELDS COUNTED (FL)						
BLANK FIBERS (BFB)						
BLANK FIELDS (BFL)						
EFFECTIVE CATCH AREA (ECA), mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2
MICROSCOPIC FIELD AREA (MFA), mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2
AIRBORNE CONCENTRATION (AC), fibers/cc						

$$AC = \frac{[(FB/FL) - (BFB/BFL)]\ (ECA)}{1000\ (FR)\ (T)\ (MFA)}$$

REMARKS:

METHOD AND DESCRIPTION OF ANALYSIS - NIOSH 7400

1) n.d. < = non-detected, less than
2) Detection limit = 0.055 fibers/field
3) Analysis is performed in accordance with NIOSH Method 7400, A Rules. The OSHA PEL (Permissible Exposure Limit) for exposure to asbestos fibers is 0.2 fibers longer than 5 micrometers per cubic centimeter.
4) The laboratory is not responsible for sample collection or interpretation of results.

13241

Alliance [redacted] REPORT - ASBESTOS FIBERS IN AIR

CLIENT: EPA

ADDRESS: 651 Whitebridge Rd
Millington N.J.

PROJECT #: 1635-195-0-2 PA2-0

SAMPLER: K. Morse DATE: 11-1-90

ANALYST: DATE:

LAB #: PAGE 1 OF 1

PARAMETER	SAMPLE 1 (.01)	SAMPLE 2 (.02)	SAMPLE 3 (.03)	SAMPLE 4 (LAB .04 Dupe .04d)	SAMPLE 5 (.05)	SAMPLE 6 (.06)	.07
FIELD SAMPLE NUMBER	AMB-11/1-up	AMB-11-DN	AMB-11/1-01	AMB-11/1-02	AMB-11/1-03	AMB-11/1-FB1	AMB 11/1-FB2
SAMPLING LOCATION/ COMMENTS Ambient Air Samples During Bulk Sampling	Upwind from work - 30's from whitebridge Rd - 50' W dirt rd	near N650E600 Downwind from work 600'S of Track 2 end fence	Personal Air Samples Bob Morse	Ron Poustchi	Rick Ramuglia	Field Blank	Field Blank
PUMP NUMBER	07828	07575	880099	88000586	88000560	—	—
START TIME	1115	1010	1515	1520	1517	—	—
FINISH TIME	1748	1720	1729	1720	1725	—	—
ELAPSED TIME (T), min.	393 min.	430 min.	134 min.	120 min.	128 min.	min.	
FLOW RATE	3.0 lpm	3.0 lpm	2.0 lpm	2.0 lpm	2.0 lpm	lpm	
TOTAL VOLUME (liters)	1177 liters	1290 liters	268 liters	240 liters	256 liters	liters	
FIBERS COUNTED (FB)							
FIELDS COUNTED (FL)							
BLANK FIBERS (BFB)							
BLANK FIELDS (BFL)							
EFFECTIVE CATCH AREA (ECA), mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	
MICROSCOPIC FIELD AREA (MFA), mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	
AIRBORNE CONCENTRATION (AC), fibers/cc							

$$AC = \frac{[(FB/FL) - (BFB/BFL)]\ (ECA)}{1000\ (FR)\ (T)\ (MFA)}$$

REMARKS:

METHOD AND DESCRIPTION OF ANALYSIS - NIOSH 7400

1) n.d. < = non-detected, less than
2) Detection limit = 0.055 fibers/field
3) Analysis is performed in accordance with NIOSH Method 7400, A Rules. The OSHA PEL (Permissible Exposure Limit) for exposure to asbestos fibers is 0.2 fibers longer than 5 micrometers per cubic centimeter.
4) The laboratory is not responsible for sample collection or interpretation of results.

ABD 001 1227

EAC 13267

TRC REPORT - ASBESTOS FIBERS IN AIR

CLIENT: EPA
ADDRESS: 651 - Whitebridge Road
Millington, New Jersey

PROJECT #: 1635-195-0-2PA2-6
SAMPLER: FRED MADORMA DATE: 11-2-90
ANALYST: DATE:
LAB #: PAGE 1 OF 1

PARAMETER	SAMPLE 1 (13267,18)	SAMPLE 2 (19)	SAMPLE 3 (20)	SAMPLE 4 (21,21d)	SAMPLE 5 (22)	SAMPLE 6 (23)
FIELD SAMPLE NUMBER	AMB/11/2/UP	AMB/11/2/Down	AMB/11/2/01	AMB/11/2/02	AMB/11/2/FB1	AMB/11/2/FB2
SAMPLING LOCATION/ COMMENTS AMBIENT AIR SAMPLES DURING SAMPLING/ WORK	UPWIND FROM WORK 30's FROM WHITE BRIDGE AND 60' WEST DIRT RD.	DOWNWIND FROM WORK 400'S OF TRACK END FENCE	PERSONAL SAMPLE	PERSONAL SAMPLE	FIELD BLANK	FIELD BLANK
PUMP NUMBER	07828	07575	880099	2288000586	—	—
START TIME	08:20	08:20	08:15	08:15	—	—
FINISH TIME	1200	1200	1200	1200	—	—
ELAPSED TIME (T), min.	225 min.	225 min.	225 min.	225 min.	min.	min.
FLOW RATE	3.0 lpm	3.0 lpm	2.0 lpm	2.0 lpm	lpm	lpm
TOTAL VOLUME (liters)	675 liters	675 liters	450 liters	450 liters	liters	liters
FIBERS COUNTED (FB)						
FIELDS COUNTED (FL)						
BLANK FIBERS (BFB)						
BLANK FIELDS (BFL)						
EFFECTIVE CATCH AREA (ECA), mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2
MICROSCOPIC FIELD AREA (MFA), mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2
AIRBORNE CONCENTRATION (AC), fibers/cc						

$$AC = \frac{[(FB/FL) - (BFB/BFL)]\ (ECA)}{1000\ (FR)\ (T)\ (MFA)}$$

REMARKS:

METHOD AND DESCRIPTION OF ANALYSIS - NIOSH 7400

1) n.d. < = non-detected, less than
2) Detection limit = 0.055 fibers/field
3) Analysis is performed in accordance with NIOSH Method 7400, A Rules. The OSHA PEL (Permissible Exposure Limit) for exposure to asbestos fibers is 0.2 fibers longer than 5 micrometers per cubic centimeter.
4) The laboratory is not responsible for sample collection or interpretation of results.

TRC REPORT - AS TOS FIBERS IN AIR

CLIENT: ~~Attorney~~ EPA
ADDRESS: 651 Whitebridge Rd - Millington N.J.

PROJECT #: 1635-195-0-2PA2-0
SAMPLER: R. Morse
DATE: 10/22/90
ANALYST:
DATE:
LAB #:
PAGE 1 OF 2

PARAMETER	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 6
FIELD SAMPLE NUMBER	AMB-10/29-Up	AMB-10/29-Down	AMB-10/29-1	AMB-10/29-2	AMB-10/29-3	AMB-10/29-FB1
SAMPLING LOCATION/ COMMENTS	Ambient Samples Upwind Area Samples Front of House	Downwind South o.f Bulk Sample Area	Tom Ludovico	Julia Ispantchian	Ron Poustchi	Field Blank
			Personal Samples			
PUMP NUMBER	IL900012	IL900015	880099	IL88000386	IL88000560	—
START TIME	1456	1458	1412	1413	1416	—
FINISH TIME	1640	1635	1629	1633	1631	—
ELAPSED TIME (T), min.	104 min.	97 min.	137 min.	140 min.	135 min.	min.
FLOW RATE	10.0 lpm	10.0 lpm	2.0 lpm	2.0 lpm	2.0 lpm	lpm
TOTAL VOLUME (liters)	1040 liters	970 liters	274 liters	280 liters	270 liters	liters
FIBERS COUNTED (FB)						
FIELDS COUNTED (FL)						
BLANK FIBERS (BFB)						
BLANK FIELDS (BFL)						
EFFECTIVE CATCH AREA (ECA), mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2
MICROSCOPIC FIELD AREA (MFA), mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2
AIRBORNE CONCENTRATION (AC), fibers/cc						

$$AC = \frac{[(FB/FL) - (BFB/BFL)]\ (ECA)}{1000\ (FR)\ (T)\ (MFA)}$$

REMARKS:

METHOD AND DESCRIPTION OF ANALYSIS - NIOSH 7400

1) n.d. < = non-detected, less than
2) Detection limit = 0.055 fibers/field
3) Analysis is performed in accordance with NIOSH Method 7400, A Rules. The OSHA PEL (Permissible Exposure Limit) for exposure to asbestos fibers is 0.2 fibers longer than 5 micrometers per cubic centimeter.
4) The laboratory is not responsible for sample collection or interpretation of results.

EAL13205

Alliance [redacted] REPORT - ASBESTOS FIBERS IN AIR

CLIENT: E.P.A.
ADDRESS: 651 Whitebridge Rd Millington, N.J.

PROJECT #: 1635-195-0-2PA2-0
SAMPLER: R. Morse
DATE: 10/30/90
ANALYST:
DATE:
LAB #:
PAGE 1 OF 1

	13205.38	.39	.40	.41	.42	.43	.44
PARAMETER	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 6	AMB-10/30-FB2
FIELD SAMPLE NUMBER	AMB-10/30-Up	AMB-10/30-Dwn	AMB-10/30-01	AMB-10/30-02	AMB-10/30-03	AMB-10/30-FB1	
SAMPLING LOCATION/ COMMENTS Ambient During Bulk Sampling	Upwind	Downwind	Maria Dunn	Bob Morse	Rick Ramuglia		
	Area Samples		Personal Air Samples				
PUMP NUMBER	IL900012	IL900015	880097	IL[redacted]96	IL[redacted]60		
START TIME	0930	0919	1336	1337	13[redacted]40		
FINISH TIME	1159	1204	1652	1655	1705		
ELAPSED TIME (T), min.	149 min.	165 min.	196 min.	158 min.	205 min.	min.	
FLOW RATE	10.0 lpm	10.0 lpm	2.0 lpm	2.0 lpm	2.0 lpm	lpm	
TOTAL VOLUME (liters)	1490 liters	1650 liters	392 liters	396 liters	410 liters	liters	
FIBERS COUNTED (FB)							
FIELDS COUNTED (FL)							
BLANK FIBERS (BFB)							
BLANK FIELDS (BFL)							
EFFECTIVE CATCH AREA (ECA), mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	
MICROSCOPIC FIELD AREA (MFA), mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	
AIRBORNE CONCENTRATION (AC), fibers/cc							

$$AC = \frac{[(FB/FL) - (BFB/BFL)]\ (ECA)}{1000\ (FR)\ (T)\ (MFA)}$$

REMARKS:

METHOD AND DESCRIPTION OF ANALYSIS - NIOSH 7400

1) n.d. < = non-detected, less than
2) Detection limit = 0.055 fibers/field
3) Analysis is performed in accordance with NIOSH Method 7400, A Rules. The OSHA PEL (Permissible Exposure Limit) for exposure to asbestos fibers is 0.2 fibers longer than 5 micrometers per cubic centimeter.
4) The laboratory is not responsible for sample collection or interpretation of results.

EAL13240

TRC REPORT - ASBESTOS FIBERS IN AIR

CLIENT: EPA.
ADDRESS: 651 Whitehedge Rd
Millington N.J.

PROJECT #: 1635-195-0-2842-0
SAMPLER: T. Ludovico
DATE: 10/31/90
ANALYST:
DATE:
LAB #:
PAGE 1 OF 2

	.40	.41	.42	.43	.44	.45
PARAMETER	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 6
FIELD SAMPLE NUMBER	AMB-10/31-up	AMB-10/31-DN	AMB-10/31-01	AMB-10/31-02	AMB-10/31-03	AMB-10/31-FB01
SAMPLING LOCATION/ COMMENTS	Area Sample Up Wind 15' S.E of N1000 E150	Area Sample Down Wind 20' E of N950 E550	Personal Julia Isenthein	Personal Ron Poustchi	Personal Tom Ludovico	Field Blank
PUMP NUMBER	Alpha 1/6	Alpha 1/3	88000560 NYC	880089	88000586 NYC	—
START TIME	08:50	0900	1410	1345	1342	—
FINISH TIME	1715	1700	1720	1650	1701	—
ELAPSED TIME (T), min.	505 min.	480 min.	190 min.	185 min.	199 min.	— min.
FLOW RATE	2.0 lpm	2.0 lpm	2.0 lpm	2.1 lpm	2.0 lpm	— lpm
TOTAL VOLUME (liters)	1010 liters	960 liters	380 liters	388.5 liters	398 liters	— liters
FIBERS COUNTED (FB)						
FIELDS COUNTED (FL)						
BLANK FIBERS (BFB)						
BLANK FIELDS (BFL)						
EFFECTIVE CATCH AREA (ECA), mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2
MICROSCOPIC FIELD AREA (MFA), mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2
AIRBORNE CONCENTRATION (AC), fibers/cc						

$$AC = \frac{[(FB/FL) - (BFB/BFL)] (ECA)}{1000 (FR) (T) (MFA)}$$

REMARKS:

METHOD AND DESCRIPTION OF ANALYSIS - NIOSH 7400

1) n.d. < = non-detected, less than
2) Detection limit = 0.055 fibers/field
3) Analysis is performed in accordance with NIOSH Method 7400, A Rules. The OSHA PEL (Permissible Exposure Limit) for exposure to asbestos fibers is 0.2 fibers longer than 5 micrometers per cubic centimeter.
4) The laboratory is not responsible for sample collection or interpretation of results.

ABD 001 1231

EAL 13240

TRC REPORT - ASBESTOS FIBERS IN AIR

CLIENT: EPA
ADDRESS: 651 Whitebridge Rd
Millington N.J

PROJECT #: 1635-195-0-2PA2-0
SAMPLER: T. Ludovico
DATE: 10/31/98
ANALYST:
DATE:
LAB #:
PAGE 2 OF 2

.46

PARAMETER	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 6
FIELD SAMPLE NUMBER	AMB-10/31-FB02					
SAMPLING LOCATION/ COMMENTS	Field Blank					
PUMP NUMBER	—					
START TIME	—					
FINISH TIME	—					
ELAPSED TIME (T), min.	— min.	min.	min.	min.	min.	min.
FLOW RATE	— lpm	lpm	lpm	lpm	lpm	lpm
TOTAL VOLUME (liters)	— liters	liters	liters	liters	liters	liters
FIBERS COUNTED (FB)						
FIELDS COUNTED (FL)						
BLANK FIBERS (BFB)						
BLANK FIELDS (BFL)						
EFFECTIVE CATCH AREA (ECA), mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2
MICROSCOPIC FIELD AREA (MFA), mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2
AIRBORNE CONCENTRATION (AC), fibers/cc						

$$AC = \frac{[(FB/FL) - (BFB/BFL)]\ (ECA)}{1000\ (FR)\ (T)\ (MFA)}$$

REMARKS:

METHOD AND DESCRIPTION OF ANALYSIS - NIOSH 7400

1) n.d. < = non-detected, less than
2) Detection limit = 0.055 fibers/field
3) Analysis is performed in accordance with NIOSH Method 7400, A Rules. The OSHA PEL (Permissible Exposure Limit) for exposure to asbestos fibers is 0.2 fibers longer than 5 micrometers per cubic centimeter.
4) The laboratory is not responsible for sample collection or interpretation of results.

13241

Alliance [redacted] REPORT - ASBESTOS FIBERS IN AIR

CLIENT: EPA
ADDRESS: 651 Whitebridge Rd
Millington N.J.

PROJECT #: 1635-195-0-2 PA2-0
SAMPLER: K. Morse
DATE: 11-1-90
ANALYST:
DATE:
LAB #:
PAGE 1 OF 1

PARAMETER	SAMPLE 1 (.01)	SAMPLE 2 (.02)	SAMPLE 3 (.03)	SAMPLE 4 (LAB .04 Dupe .04d)	SAMPLE 5 (.05)	SAMPLE 6 (.06)	.07
FIELD SAMPLE NUMBER	AMB-11/1-up	AMB-11/1-DN	AMB-11/1-01	AMB-11/1-02	AMB-11/1-03	AMB-11/1-FB1	AMB 11/1-FB2
SAMPLING LOCATION/ COMMENTS Ambient Air Samples During Bulk Sampling	Upwind from work - 30's from Whitebridge Rd - 50' W dirt rd	near N650E600 Downwind from work 600'S of Track & end fence	Personal Air Samples Bob Morse	Ron Poustchi	Rick Ramuglia	Field Blank	Field Blank
PUMP NUMBER	07828	07575	880049	88000586	88000560	—	—
START TIME	1115	1010	1515	1520	1517	—	—
FINISH TIME	1748	1720	1729	1720	1725	—	—
ELAPSED TIME (T), min.	393 min.	430 min.	134 min.	120 min.	128 min.	min.	
FLOW RATE	3.0 lpm	3.0 lpm	2.0 lpm	2.0 lpm	2.0 lpm	lpm	
TOTAL VOLUME (liters)	1177 liters	1290 liters	268 liters	240 liters	256 liters	liters	
FIBERS COUNTED (FB)							
FIELDS COUNTED (FL)							
BLANK FIBERS (BFB)							
BLANK FIELDS (BFL)							
EFFECTIVE CATCH AREA (ECA), mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	
MICROSCOPIC FIELD AREA (MFA), mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	
AIRBORNE CONCENTRATION (AC), fibers/cc							

$$AC = \frac{[(FB/FL) - (BFB/BFL)]\ (ECA)}{1000\ (FR)\ (T)\ (MFA)}$$

REMARKS:

METHOD AND DESCRIPTION OF ANALYSIS - NIOSH 7400

1) n.d. < = non-detected, less than
2) Detection limit = 0.055 fibers/field
3) Analysis is performed in accordance with NIOSH Method 7400, A Rules. The OSHA PEL (Permissible Exposure Limit) for exposure to asbestos fibers is 0.2 fibers longer than 5 micrometers per cubic centimeter.
4) The laboratory is not responsible for sample collection or interpretation of results.

ABD 001 1233

EAC 13261

TRC REPORT - ASBESTOS FIBERS IN AIR

CLIENT: EPA

ADDRESS: 651 - Whitebridge Road
Millington, New Jersey

PROJECT #: 1635 - 195 - 0 - 2AA2 - 6

SAMPLER: FRED MADORMA DATE: 11-2-90

ANALYST: DATE:

LAB #: PAGE 1 OF 1

	13267, 18	19	20	21, 21d	22	23
PARAMETER	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 6
FIELD SAMPLE NUMBER	AMB/11/2/UP	AMB/11/2/DOWN	AMB/11/2/01	AMB/11/2/02	AMB/11/2/FB1	AMB/11/2/FB2
SAMPLING LOCATION/ COMMENTS AMBIENT AIR SAMPLES DURING SAMPLING/ WALK	UPWIND FROM WALK 30'S FROM WALK BRIDGE END TO WEST DIRT RD.	DOWNWIND FROM WALK 400'S OF TRACK END FORE	PERSONAL SAMPLE	PERSONAL SAMPLE	FIELD BLANK	FIELD BLANK
PUMP NUMBER	02828	0575	880099	11880058	—	—
START TIME	08:20	08:20	08:15	08:15	—	—
FINISH TIME	1200	1200	1200	1200	—	—
ELAPSED TIME (T), min.	225 min.	225 min.	225 min.	225 min.	min.	min.
FLOW RATE	3.0 lpm	3.0 lpm	2.0 lpm	2.0 lpm	lpm	lpm
TOTAL VOLUME (liters)	675 liters	675 liters	450 liters	450 liters	liters	liters
FIBERS COUNTED (FB)						
FIELDS COUNTED (FL)						
BLANK FIBERS (BFB)						
BLANK FIELDS (BFL)						
EFFECTIVE CATCH AREA (ECA), mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2	385 mm^2
MICROSCOPIC FIELD AREA (MFA), mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2	0.00785 mm^2
AIRBORNE CONCENTRATION (AC), fibers/cc						

$$AC = \frac{[(FB/FL) - (BFB/BFL)]\ (ECA)}{1000\ (FR)\ (T)\ (MFA)}$$

REMARKS:

METHOD AND DESCRIPTION OF ANALYSIS - NIOSH 7400

1) n.d. < = non-detected, less than
2) Detection limit = 0.055 fibers/field
3) Analysis is performed in accordance with NIOSH Method 7400, A Rules. The OSHA PEL (Permissible Exposure Limit) for exposure to asbestos fibers is 0.2 fibers longer than 5 micrometers per cubic centimeter.
4) The laboratory is not responsible for sample collection or interpretation of results.

APPENDIX C

BORING LOGS

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N600E500-10/31 RP/SC				
0-6 in.	Light to dark brown silt and sand		X		X
6-18 in.	Gray and brown sand, very stiff		X		X
18-36 in.	Brown and gray sand and silt, saturated		X		X
Comments:	No visible surficial asbestos				
Sample Location	N600E550-10/31 RP/SC				
0-6 in.	Dark brown silt, organic		X		X
6-18 in.	Gray sand, little silt, little clay		X		X
18-36 in.	Gray and dark brown sand, saturated		X		X
Comments:	No visible surficial asbestos				
Sample Location	N600E600-11/1 TL/MD				
0-6 in.	Dark brown silt, some organics, some clay		X		X
6-18 in.	Orange-brown to gray mottled silt & clay		X		X
18-36 in.	Orange-brown to gray mottled silt, some clay, some fine sand		X		X
Comments:	All samples wet No visible surficial asbestos Location in swamp and trees				

ALLIANCE Technologies Corporation

ABD 001 1236

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	**N650E450-10/31 RP/SC**				
0-6 in.	Dark brown silt and light brown to gray sand		X		X
	trace organic				
6-18 in.	Light and red-brown and gray sand		X		X
18-36 in.	Saturated brown sand		X		X
Comments:	No visible surficial asbestos				
Sample Location	**N650E500-10/31 RP/SC**				
0-6 in.	Brown sand and silt		X		X
6-18 in.	Red-brown silt		X		X
18-36 in.	Red-brown sand, some silt, saturated		X		X
Comments:	No visible surficial asbestos				
Sample Location	**N650E550- 10/31 RP/SC**				
0-6 in.	Dark brown silt, trace gray sand		X		X
6-18 in.	Dark brown silt and light brown sand		X		X
18-36 in.	Pieces of asbestos tile	X		X	
	Saturated at 18"				
Comments:	No visible surficial asbestos				

ALLIANCE Technologies Corporation

ABD 001 1237

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location N650E600					
0-6 in.	0-3" brown silt & orgs, little tr clay; 3-6" ACM & brown silt	X		X	
6-18 in.	At 12" coke can., ACM tiles & shingles (fractured)	X		X	
18-36 in.	18-21" same; 21-36" white, mushy, perhaps "raw product" or gypsum, (some gray, lt & dark) & a yellowy papery product				
Comments:					
Sample Location N650E650					
0-6 in.	Dark brown silt, little light brown silt, organic		X		X
6-18 in.	Dark brown silt, organic		X		X
18-36 in.	Gray sand & silt, little clay		X		X
Comments:					
Sample Location N700E450-10/31 RP/RR					
0-6 in.	Light brown silt, gray sand		X		X
6-18 in.	Gray sand, little silt and clay		X		X
18-36 in.	Brown and gray sand, saturated		X		X
Comments: No visible surficial asbestos					

ALLIANCE Technologies Corporation

ABD 001 1238

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N700E550-11/2 SC/RR				
0-6 in.	Red brown silt	X		X	
	4-10 in.- asbestos tiles				
12-24 in.	Red brown fine sand	X		X	
	approx. 2 in. tiles				
24-72 in.	Red brown fine sand grading into dark fine sand		X		X
Comments:					
Sample Location	N700E650				
0-6 in.	Brown silt, little clay, organic matter		X		X
6-18 in.	Hard suspect asbestos tiles, from 6" down some brown silt	X		X	
18-36 in.	Hard suspect asbestos tile	X		X	
Comments:					
Sample Location	N750E400-10/31 RP/RR				
0-6 in.	Dark brown silt, some organic		X		X
6-18 in.	Dark brown silt		X		X
18-36 in.	Dark brown silt and clay, saturated		X		X
Comments:	No visible surficial asbestos				

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ABD 001 1239

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N750E500-10/31 MD/TL				
0-6 in.	Brown silt & organics, some gravel and glass		X		X
6-18 in.	Orange-brown to gray mottled silt,		X		X
	Little clay, some organics				
18-36 in.	Orange-brown to gray mottled silt and sand,		X		X
	Little clay				
Comments:	No visible surficial asbestos				
Sample Location	N750E600-11/2 SC/RR				
0-24 in.	Red brown silt		X		X
24-48 in.	Red brown silt in clay		X		X
48-72 in.	Red brown silt with some very fine sand		X		X
Comments:	No ACM				
Sample Location	N750E750				
0-6 in.	Brown silt & sand		X		X
6-18 in.	Gray & brown sand, damp		X		X
18-36 in.	Coarse, medium to fine sand, saturated		X		X
Comments:					

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ABD 001 1240

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N800E300-10/31 JI/RR				
0-6 in.	Black organic silt		X		X
6-18 in.	Black organic silt		X		X
18-36 in.	Black to gray silt		X		X
Comments:	No visible surficial asbestos Sample 47' beyond fence towards marsh in wetlands				
Sample Location Collected By:	N800E400-110/31 MD/TL				
0-6 in.	Brown silt and organics, mottled with		X		X
	some light gray clay				
6-18 in.	Brown to gray mottled silt, little clay		X		X
	Water at 18"				
18-36 in.	Brown to gray mottled silt and clay		X		X
	some organics - tree roots				
Comments:	No visible surficial asbestos				
Sample Location Collected By:	N800E500-10/31 MD/TL				
0-6 in.	Brown silt and organics	X		X	
	ACM 0-3"				
6-18 in.	Gray and brown silt, some clay		X		X
18-36 in.	Gray and orange-brown silt and clay,		X		X
	Trace sand, water at 30"				
Comments:	No visible surficial asbestos				

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ABD 001 1241

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location N800E750 Collected By:					
0-6 in.	Dark brown silt, organic		X		X
6-18 in.	Gray/brown sand & silt		X		X
18-36 in.	Rusty grays and some silt, compact dump		X		X
Comments:					
Sample Location N850E150-10/31 Collected By: JI/RR					
0-6 in.	Black organic silt and light gray to tan clay - Wet		X		X
6-18 in.	Gray to tan mottled clay, organics, wet		X		X
18-36 in.	Gray to tan mottled dense silt, some clay Damp		X		X
Comments:	No visible surficial asbestos				
Sample Location N850E300-10/31 Collected By: JI/RR					
0-6 in.	Dark gray silt, two inches top soil		X		X
6-18 in.	Dark gray silt		X		X
18-36 in.	Tan to gray mottled silt, dense		X		X
Comments:	No visible surficial asbestos				

ALLIANCE Technologies Corporation

ABD 001 1242

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N850E500-10/31				
Collected By:	MD/TL				
0-6 in.	0-3" Brown silt and organics		X		X
	3-6" Brown and gray silt, trace clay				
6-18 in.	6-10" Tan silt, little clay		X		X
	10-18" Gray & orange-brown mottled clay & silt, trace sand				
18-36 in.	Mottled silt & clay trace fine sand		X		X
Comments:	No visible surficial asbestos				
Sample Location	N850E550-11/2				
Collected By:	RR				
0-12 in.	Dark brown silt		X		X
12-18 in.	Tan mottled silt with some clay		X		X
18-48 in.	1st 10 in. as above		X		X
	10-18 in. dark red brown fine sand, slight green color				
Comments:	No ACM				
Sample Location	N850E600-11/2				
Collected By:	RR				
0-6 in.	Silt, topsoil		X		X
6-14 in.	Asbestos tiles	X		X	
14-48 in.	Asbestos tiles	X		X	
Comments:	4-8 ft. Gray brown mottled fine sand no asbestos				

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ABD 001 1243

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location N850E750 Collected By:					
0-6 in.	This part is in water				
6-18 in.					
18-36 in.					
Comments:					
Sample Location N900E100-10/31 Collected By: JI/RR					
0-6 in.	Dark brown to black silt and organics		X		X
	5-6" Light gray organic silt				
6-18 in.	Tan to gray silt, very dense		X		X
18-36 in.	Brown to mottled silt		X		X
Comments:	No visible surficial asbestos				
Sample Location N900E150-10/31 Collected By: JII/CG					
0-6 in.	Asbestos tiles and fill material	X		X	
6-18 in.	Asbestos tiles and fill material	X		X	
18-36 in.	No sample taken				
Comments:	Tile fill too hard to sample using hand equipment				

ALLIANCE Technologies Corporation

ABD 001 1244

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N900E300-10/31-A				
Collected By:	SC/RP				
0-6 in.	Dark brown silt, some organic		X		X
6-18 in.	Light brown to gray sand and silt		X		X
18-36 in.	Red-brown silt, some gray sand		X		X
Comments:	No visible surficial asbestos				
Sample Location	N900E300-10/31-B				
Collected By:	SC/RP				
0-6 in.	Dark brown silt, some organic		X		X
6-18 in.	Light brown to gray sand and silt		X		X
18-36 in.	Red-brown silt, some gray sand		X		X
Comments:	No visible surficial asbestos				
Sample Location	N900E400-10/31				
Collected By:	MD/TL				
0-6 in.	Brown silt and organics, trace clay		X		X
6-18 in.	Orange brown to gray mottled silt,some clay		X		X
	little organics				
18-36 in.	Orange brown to gray mottled silt,some clay		X		X
	trace sand				
Comments:	No visible surficial asbestos				

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ABD 001 1245

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N900E500-10/31				
Collected By:	TL/MD				
0-6 in.	0-3" Brown silt and organics		X		X
	3-6" Brown and gray silt, trace clay				
6-18 in.	6-9" Same		X		X
	9-18" Orange brown & gray mottled silt & clay				
18-36 in.	Orange brown and gray mottled silt and		X		X
	fine to very fine sand, little to trace clay				
Comments:	Water at 30" No visible surficial asbestos				
Sample Location	N900E550-10/31				
Collected By:	MD/TL				
0-6 in	Brown silt and organics, ACM 0-3"	X		X	
6-18 in	Brown silt to 12", then all tiles,	X		X	
	shingles, foam				
18-36 in	ACM- tiles shingles, some foam	X		X	
36-59 in	Raw gypsum or asbestos - not chalky	X		X	
59-60 in	Native soil		X		X
Comments:	Visible surficial asbestos				
Sample Location	N900E650-11/2				
Collected By:	MD/TL				
0-6 in.					
6-18 in.					
18-36 in.					
Comments:					

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ABD 001 1246

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N950E100-10/31				
Collected By:	JI/RR				
0-6 in.	Dark brown to black silt and organics		X		X
6-18 in.	Dark brown to black silt and organics		X		X
18-36 in.	Dark brown to black silt and organics		X		X
	Saturated, some sand at 33-36"				
Comments:	No visable surficial asbestos				
Sample Location	N950E200-10/31				
Collected By:	SC/RP				
0-6 in.	Dark organic soil		X		X
6-18 in.	Dark to light brown silt and sand		X		X
18-36 in.	Light brown silt, some gray sand, little clay		X		X
Comments:	No visable surficial asbestos Sample 11' North of point, 2' inside fence				
Sample Location	N950E500-10/31				
Collected By:	MD/TL				
0-6 in.	0-3" Brown silt and organics		X		X
	3-6" Orange, brown to gray silt and org., little clay				
6-18 in.	Dark brown silt, trace clay		X		X
18-36 in.	Mottled gray, orange, brown silt and clay		X		X
Comments:	No visable surficial asbestos within 8'				

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ABD 001 1247

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location N950E750 Collected By:					
0-6 in.	Asbestos below 6", moved 50 ft east				
6-18 in.					
18-36 in.					
Comments:					
Sample Location N950E800 Collected By:					
0-6 in.	Dark brown silt		X		X
6-18 in.	Gray fine sand damp		X		X
18-36 in.	Reddish brown, fine sand		X		X
Comments:					
Sample Location N950E800B Collected By:					
0-6 in.	Gray/dark brown silt, trace very fine sand, damp		X		X
6-18 in.	Gray, very fine sand and silt, saturated		X		X
18-36 in.	Gray/reddish brown, fine sand & silt, saturated		X		X
Comments:					

ALLIANCE Technologies Corporation

ABD 001 1248

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present		Analysis Required	
		yes	no	PLM	TEM
Sample Location N950E850 Collected By:					
0-6 in.	Dark brown silt		X		X
6-18 in.	Dark brown silt		X		X
18-36 in.	Dark brown to mottled silt, little sand	X	X		X
	Sample wet at 30"				
Comments:					

ALLIANCE Technologies Corporation

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1000E150-10/31 JI/CG				
0-6 in.	Dark brown organic silt, tile chips	X		X	
	Asbestos at 6"				
6-18 in.	Dark brown organic silt with asbestos	X		X	
18-36 in.	Black to dark gray clay and silt, wet		X		X
Comments:					
Sample Location Collected By:	N1000E200-10/31 SC/RP				
0-6 in.	Dark brown organic soil		X		X
6-18 in.	Gray sand, some silt		X		X
18-36 in.	Gray mottled sand, some silt, little clay		X		X
Comments:	No visible surficial asbestos 8'North of point, 2'inside fence				
Sample Location Collected By:	N1000E250-10/31 SC/RP				
0-6 in.	Dark brown silt		X		X
6-18 in.	Brown to mottled silt, some clay		X		X
18-36 in.	Light brown silt, gray sand, trace clay		X		X
Comments:	No visible surficial asbestos				

ALLIANCE Technologies Corporation

ABD 001 1250

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1000E350-10/31				
Collected By:	RP/RR				
0-6 in.	Brown silt, some organic		X		X
6-18 in.	Brown silt, little clay		X		X
18-36 in.	Brown and bark brown silt, little clay		X		X
Comments:	No visible surficial asbestos				
Sample Location	N1000E400-10/31				
Collected By:	MD/TL				
0-6 in.	Brown silt and clay, some organics		X		X
6-18 in.	Orange-brown, gray mottled silt and clay,		X		X
	Little organics				
18-36 in.	Orange-brown , gray mottled silt, little clay,		X		X
	Trace fine sand - moist at 32"				
Comments:	No visible surficial asbestos				
Sample Location	N1000E500-10/31				
Collected By:	MD/TL				
0-6 in.	0-3" Brown silt and organics		X		X
	3-6" Brown and orange brown silt, trace to little clay				
6-18 in.	6-10" Gray & orange-brown mottled silt & clay		X		X
	10-18" Brown & gray silt, some organics, little to trace clay				
18-36 in.	18-32" Brown & gray fine sand, trace clay		X		X
	32-36" Gray sandy silt and fine sand, trace gravel				
Comments:	No visible surficial asbestos				

ALLIANCE Technologies Corporation

ABD 001 1251

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	no	Analysis Required PLM	TEM
Sample Location	N1000E550-10/31				
Collected By:	MD/TL				
0-6 in.	Brown silt and organics	X		X	
	ACM 0-3"				
6-18 in.	ACM tiles and shiingles	X		X	
18-36 in.	18-33" broken ACM shingles and tiles	X		X	
	33-36" soft, mushy ACM				
Comments:	Auger caught on something at 4'7" - still fill				
Sample Location	N1050E450-10/30				
Collected By:	MD/TL				
0-6 in.	0-3" Brown silt & organics		X		X
	3-6" Light brown silt, trace clay				
6-18 in.	Orange-brown and gray mottled silt and clay		X		X
18-36 in.	Orange-brown and gray mottled silt and clay		X		X
Comments:	No observable surficial ACM in the area				
Sample Location	N1050E500-10/30				
Collected By:	MD/TL				
0-6 in.	0-3" Brown silt and organics	X		X	
	3-6" Brown to gray sand and silt, trace clay				
6-18 in.	6-16" Brown to gray sand and silt, trace clay		X		X
18-36 in.	Mottled sandy silt, little clay		X		X
Comments:	Some surficial ACM - tiles in this area				

ALLIANCE Technologies Corporation

ABD 001 1252

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1050E550-10/30				
Collected By:	JI/RR				
0-6 in.	Brown to mottled silt, tile chips	X		X	
6-18 in.	Moist brown, orange, gray silt and clay		X		X
18-36 in.	Brown to gray mottled silt, some clay		X		X
Comments:					
Sample Location	N1050E800				
Collected By:					
0-6 in.	Gray/brown silt		X		X
6-18 in.	Gray/brown sand, little silt		X		X
18-36 in.	Gray/brown fine sand, little clay		X		X
Comments:					
Sample Location	N1100E100-10/31				
Collected By:	JI/RR				
0-6 in.	Dark brown silt and organics		X		X
6-18 in.	Light gray to mottled silt and clay		X		X
18-36 in.	Light brown to mottled silt, little clay		X		X
Comments:	No visible surficial asbestos				

ALLIANCE Technologies Corporation

ABD 001 1253

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1100E150-10/31				
Collected By:	JI/CG				
0-6 in.	Dark brown organic material and leaves		X		X
	Fill				
6-18 in.	Dark brown organic material and leaves		X		X
	Fill				
18-36 in.	Stiff light gray to olive silt and clay		X		X
Comments:	No visible surficial asbestos				
Sample Location	N1100E200-10/31				
Collected By:	SC/RP				
0-6 in.	Light to dark brown silt		X		X
6-18 in.	Light brown to mottled silt with little clay		X		X
18-36 in.	Light brown to mottled silt with little clay		X		X
Comments:	1 piece of sanding paper visible- suspect ACM 20'from point. 18' inside fence				
Sample Location	N1100E300-10/30				
Collected By:	MD/TL				
0-6 in.	Brown silt and organics	X		X	
	ACM chips 0-3"				
6-18 in.	Mottled gray, orange, brown silt,some clay		X		X
18-36 in.	Orange, gray, brown silt, some clay		X		X
Comments:	Point in barn Visible surficial ACM Sample 33'4" North of point				

ALLIANCE Technologies Corporation

ABD 001 1254

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1100E300-10/31				
Collected By:	SC/RP				
0-6 in.	Brown silt		X		X
6-18 in.	Brown to mottled silt, trace clay		X		X
18-36 in.	Brown to mottled silt, some fine sand,		X		X
	Trace clay				
Comments:	No visible surficial asbestos				
Sample Location	N1100E350-10/30				
Collected By:	MD/TL				
0-6 in.	0-3" Brown silt and organics		X		X
	3-6" Brown and gray silt, some clay				
6-18 in.	Mottled gray and orange-brown silt and clay		X		X
18-36 in.	Mottled gray and orange-brown silt and clay		X		X
	26-36" Mottled orange-brown and gray silt, trace - little clay				
Comments:	No visible surficial ACM in area				
Sample Location	N1100E400-10/30				
Collected By:	MD/TL				
0-6 in.	Brown silt and organics		X		X
6-18 in.	Orange-brown silt, some clay		X		X
18-36 in.	Orange brown to mottled silt and clay,		X		X
	Trace fine sand				
Comments:	No observed surficial ACM in area				

ALLIANCE Technologies Corporation

ABD 001 1255

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1100E450-10/30				
Collected By:	MD/TL				
0-6 in.	Brown silt, little to trace clay		X		X
6-18 in.	6-9" Orange brown silt, some clay		X		X
	9-18" Mottled silty clay				
18-36 in.	18-22" Mottled gray clay and silt		X		X
	22-36" Mottled silt with some to little clay				
Comments:	No observable surficial ACM in the area				
Sample Location	N1100E500-10/30				
Collected By:	MD/TL				
0-6 in.	0-3" Brown silt and organics		X		X
	3-6" Tan\orange\brown silt, some gray clay, trace fine sand				
6-18 in.	Brown and gray silt and clay, some peat		X		X
	Trace fine sand				
18-36 in.	Mottled silt and clay, some very fine sand,		X		X
	Some orange nodules				
Comments:	1 visible piece of surficial ACM 10-15' from point				
Sample Location	N1100E550-10/30				
Collected By:	JI/RR				
0-6 in.	Fill material, gravel, cement & tiles	X		X	
6-18 in.	Asbestos fill, broken tile	X		X	
18-36 in.	Unable to sample with hand auger				
Comments:	No sample past 24"				

ALLIANCE Technologies Corporation

ABD 001 1256

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1100E600-11/1				
Collected By:	RR				
3in-4 ft.	Top soil-acm tiles	X		X	
4ft-	Out of tiles		X		X
	Next 8in.- Dark black silt organics				
	Next 6in.- Layer of mottled clay				
	Next 2in.-Layer of silt				
Comments:	Next 4in.-Layer of silt, light gray				
Sample Location	N1100E650-11/1				
Collected By:	RR				
0-24 in.	Tiles and red foam like material	X		X	
24-48 in.	Tiles	X		X	
48-96 in.	Peat		X		X
Comments:	Peat is native soil, ACM				
Sample Location	N1100E700-11/1				
Collected By:	RR				
0-48 in.	Asbestos tiles	X		X	
6-8 ft.	Wet tiles-saturated	X		X	
8-12 ft.	White carboard material, piece of green foam	X		X	
	12-14 ft.-black silt & roots				
Comments:	14-16 ft.-dark gray silt & clay spoon going into material very easily				

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ABD 001 1257

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1100E750-11/2				
Collected By:	RR				
0-10 in.	Top soil, brown silt		X		X
10-18 in.	Tiles	X		X	
18-72 in.	Tiles, spoon saturated tiles	X		X	
Comments:	Gray silt after 6 ft.				
Sample Location	N1100E800-11/2				
Collected By:	RR				
0-6 in.	Gray brown silt, organics, roots		X		X
6-18 in.	Gray tan mottled silt with little dense clay		X		X
18-36 in.	Light gray tan fine sand		X		X
Comments:	No ACM				
Sample Location	N1150E350-10/29				
Collected By:	RR/JI				
0-6 in.	Light brown silt, some clay		X		X
6-18 in.	Light brown to beige silt and clay, dense		X		X
18-36 in.	Stiff light brown to gray clay, little silt		X		X
Comments:	No visible surficial asbestos				

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ABD 001 1258

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1150E400-10/29 RR/JI				
0-6 in	Light brown silt, trace clay		X		X
6-18 in	Mottled brown clay, trace silt		X		X
18-36 in	Reddish brown silt, some clay - stiff		X		X
Comments:	No visible asbestos				
Sample Location Collected By:	N1150E450-10/29 RR/JI				
0-6 in.	Light brown to beige silt, trace clay		X		X
6-18 in.	Mottled light brown clay, little silt		X		X
18-36 in.	Mottled silt, trace stiff clay		X		X
Comments:	No visible asbestos				
Sample Location Collected By:	N1150E500-10/29 RR/JI				
0-6 in.	Light brown to dark brown silt, little clay		X		X
6-18 in.	Mottled brown clay and silt		X		X
18-36 in.	Dark brown silt, trace clay		X		X
Comments:	No visible asbestos				

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ABD 001 1259

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1150E550-10/30				
Collected By:	JI/RR				
0-6 in.	Light brown to mottled silt, trace clay		X		X
6-18 in.	Fill material - tiles, very hard	X		X	
	Asbestos starts at 8"				
18-36 in.	Red-brown to mottled silt, some clay	X		X	
	Asbestos to 30"				
Comments:	Asbestos layer aprox. 2' thick				
Sample Location	N1150E800-11/1				
Collected By:	MD/TL				
0-6 in.	Brown & gray silt, some organics, little clay		X		X
6-18 in.	Orange-brown & gray mottled silt & clay		X		X
18-36 in.	Mottled gray to orange-brown silt, some clay		X		X
Comments:	No visible surficial asbestos				

ABD 001 1260

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ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1200E100-10/31 JI/RR				
0-6 in.	Light brown silt and organics		X		X
6-18 in.	Light brown to mottled silt, little clay		X		X
18-36 in.	Tan to brown mottled silt, moist		X		X
Comments:	No visible surficial asbestos				
Sample Location Collected By:	N1200E150-10/31-A JI/CG				
0-6 in.	Dark to light brown silt		X		X
6-18 in.	Red brown to tan silt, trace clay		X		X
18-36 in.	Tan to mottled silt, some clay, dense		X		X
Comments:	No visible surficial asbestos				
Sample Location Collected By:	N1200E150-10/31-B JI/CG				
0-6 in.	Dark to light brown silt		X		X
6-18 in.	Dark to light brown silt, little clay		X		X
18-36 in.	Brown to mottled silt and clay		X		X
Comments:	No visible surficial asbestos				

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ABD 001 1261

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1200E350-10/29-A				
Collected By:	RP/BM				
0-6 in.	Reddish brown silt and clay		X		X
6-18 in.	Brown silt and clay		X		X
18-36 in.	Brown silt and clay		X		X
Comments:					
Sample Location	N1200E350-10/29-B				
Collected By:	RP/BM				
0-6 in.	Dark brown fine to medium sand and silt		X		X
6-18 in.	Reddish brown silt, some clay		X		X
18-36 in.	Reddish brown clay, little silt, saturated		X		X
Comments:					
Sample Location	N1200E400-10/29				
Collected By:	RP/BM				
0-6 in.	Reddish brown silt and clay		X		X
6-18 in.	Brown silt and clay		X		X
18-36 in.	Wet brown silt and clay		X		X
Comments:	No visible surficial asbestos				

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ABD 001 1262

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1200E450-10/29				
Collected By:	RP/BM				
0-6 in.	Brown sand and silt		X		X
6-18 in.	Brown to gray clay, suspect asbestos	X		X	
18-36 in.	Brown and gray clay		X		X
Comments:					
Sample Location	N1200E500-10/29-A				
Collected By:	RR/JI				
0-6 in.	Light to mottled brown silt		X		X
6-18 in.	Reddish brown clay, some silt		X		X
18-36 in.	Light brown to mottled silt, little clay		X		X
Comments:	No visible surficial asbestos				
Sample Location	N1200E500-10/29-B				
Collected By:	RR/JI				
0-6 in.	Light to mottled brown silt		X		X
6-18 in.	Reddish brown clay, some silt		X		X
18-36 in.	Light brown to mottled silt, little clay		X		X
Comments:	No visible surficial asbestos				

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ABD 001 1263

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1200E550-10/30-A				
Collected By:	JI/RR				
0-6 in.	Brown silt		X		X
6-18 in.	Light brown to mottled silt, little clay		X		X
18-36 in.	Brown silt little sand, trace clay		X		X
	Very dense				
Comments:	No visible surficial asbestos				
Sample Location	N1200E550-10/30-B				
Collected By:	JI/RR				
0-6 in.	Brown to dark brown silt		X		X
6-18 in.	Tan to mottled silt, little clay		X		X
18-36 in.	Tan to gray silt, little clay		X		X
Comments:	No visible surficial asbestos				
Sample Location	N1200E650-11/2				
Collected By:	RR				
0-2 ft.	Asbestos tiles present	X		X	
2-4 ft.	Brown gray mottled silt, some clay		X		X
4-6 ft.	Red brown fine sand		X		X
Comments:	ACM				

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ABD 001 1264

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location: N1200E700-11/2 Collected By: RR					
0-3 in.	Brown black silt	X		X	
3-10 in.	Asb. tiles, green foam asb. tiles;Br/Bl silt saturated	X		X	
10-20 in.	Tan mottled silt and clay		X		X
20-24 in.	Brown med. fine sand		X		X
Comments: ACM					
Sample Location: M1200E750-11/1 Collected By: RR					
0-6 in.	Tan gray mottled silt		X		X
12-18 in.	Tan gray mottled silt, with some clay		X		X
18-36 in.	Gray tan silt, little clay		X		X
Comments: No ACM					
Sample Location: N1217E587-10/30 Collected By:					
0-6 in.					
12-18 in.					
18-36 in.					
Comments:					

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ABD 001 1265

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1250E250-10/30				
Collected By:	RP/BM				
0-6 in.	Brown fine sand, some silt	X		X	
	2 pieces asbestos tile				
6-18 in.	Light brown silt, some sand, very soft		X		X
18-36 in.	Light brown silt, litttle sand, soft, damp		X		X
Comments:					
Sample Location	N1250E300-10/30				
Collected By:	RP/BM				
0-6 in.	Brown fine sand		X		X
6-18 in.	Light brown fine sand, soft, damp		X		X
18-36 in.	Light brown fine sand, soft, damp		X		X
Comments:	No visible surficial asbestos				
Sample Location	N1250E350-10/29				
Collected By:	MD/TL				
0-6 in.	Brown silt, some clay		X		X
6-18 in.	Orange brown clay and silt, very dense		X		X
18-36 in.	Orange brown clay and silt, very dense		X		X
	30-36: less dense				
Comments:	No visible surficial asbestos 7'7" East of point, inside fence				

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ABD 001 1266

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	**N1250E400-10/29**				
Collected By:	**MD/TL**				
0-6 in.	Brown silt, little very fine sand	X		X	
	Suspect ACM at 2"				
6-18 in.	Brown silt, trace clay, some clay at 16"		X		X
	Soil less compact at 12"				
18-36 in.	18-30: Brown clay, trace silt		X		X
	30-36: brown clay and silt				
Comments:	Compacted maybe from horse traffic No visible surficial asbestos				
Sample Location	**N1250E450-10/29**				
Collected By:	**MD/TL**				
0-6 in.	0-3: Dark brown org., silt, trace med. sand		X		X
	3-6: Dense brown silt, some clay				
6-18 in.	Dense mottled gray to orange clay and silt		X		X
18-36 in.	Dense brown to orange clay and silt	X		X	
	At 35", fine sand and silt; ACM at 36"				
Comments:	Thin wall sampler twisted and broke				
Sample Location	**N1250E500-10/29**				
Collected By:	**RR/JI**				
0-6 in.	Light to dark brown silt		X		X
6-18 in.	Light brown to mottled clay, some silt		X		X
18-36 in.	Reddish brown to mottled silt, little clay				
Comments:	No visible surficial asbestos				

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ABD 001 1267

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1250E550-10/30				
Collected By:	JI/RR				
0-6 in.	Light brown to brown silt		X		X
6-18 in.	Red-brown to mottled silt and clay		X		X
18-36 in.	Red-brown silt, trace clay, dense		X		X
Comments:	No visible surficial asbestos				
Sample Location	N1250E600-10/30				
Collected By:	SC/RR				
0-6 in.	Brown to light brown silt		X		X
6-18 in.	Tan to mottled silt, some clay		X		X
18-36 in.	Red-brown dense silt with tracce sand		X		X
	Possible black organic matter				
Comments:	No visible surficial asbestos				
Sample Location	N1250E650-10/30				
Collected By:	SC/RR				
0-6 in.	Dark gray silt, chunk of ACM	X		X	
6-18 in.	Gray to mottled silt with some clay		X		X
18-36 in.	Brown to gray dense silt		X		X
Comments:	No visible surficial asbestos				

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ABD 001 1268

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present		Analysis Required	
		yes	no	PLM	TEM
Sample Location	N1250E800-11/1				
Collected By:	MD/TL				
0-6 in.	Dark brown to gray mottled silt, trace clay,		X		X
	some organics				
6-18 in.	Mottled gray to orange-brown silt & sand,		X		X
	trace clay - Moist				
18-36 in.	Mottled brown to gray silt & sand, trace clay		X		X
	Water at 30"				

Comments:

No visible surficial asbestos

ALLIANCE Technologies Corporation

ABD 001 1269

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1300E350-10/30-A MD/TL				
0-6 in.	Brown silt, trace clay, some organics		X		X
6-18 in.	Mottled clay and silt		X		X
18-36 in.	Mottled clay and silt, some fine sand		X		X
	Some peat 20-26"				
Comments:	1 ACM shingle in area Sample 20'5" East of point				
Sample Location Collected By:	N1300E350-10/30-B MD/TL				
0-6 in.	Brown silt, trace clay, some organics		X		X
6-18 in.	Mottled clay and silt		X		X
18-36 in.	Mottled clay and silt, some fine sand		X		X
	Some peat 20-26"				
Comments:	1 ACM shingle in area Sample 20'5" East of point				
Sample Location Collected By:	N1300E400-10/29 RP/BM				
0-6 in.	Light to dark brown silt, little clay		X		X
6-18 in.	Light to dark brown silt and clay		X		X
18-36 in.	Dark brown silt and clay				
Comments:					

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ABD 001 1270

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1300E450-10/30				
Collected By:	MD/TL				
0-6 in.	Brown silt, some organics		X		X
6-18 in.	Mottled clay and silt		X		X
18-36 in.	Orange-brown silt and clay		X		X
Comments:	No visible evidence of asbestos in area				
Sample Location	N1300E500-110/30				
Collected By:	SC/RR				
0-6 in.	Light to dark brown silt, trace clay		X		X
6-18 in.	light brown to mottled clay, some silt		X		X
18-36 in.	Light brown to mottled silt, some clay		X		X
Comments:	No visible surficial asbestos				
Sample Location	N1350E400-10/30				
Collected By:	JI				
0-6 in.	Light brown silt, little clay		X		X
6-18 in.	Red-brown silt, some clay		X		X
18-36 in.	Light brown silt, some clay		X		X
Comments:	No visible surficial asbestos				

ALLIANCE Technologies Corporation

ABD 001 1271

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1350E450-10/30				
Collected By:	MD/TL				
0-6 in.	Brown silt, some organics, trace clay		X		X
6-18 in.	6-8" Brown silt, trace clay		X		X
	8-18" Orange-brown & gray clay & silt, some peat				
18-36 in.	Gray clay and orange-brown silt, trace peat		X		X
Comments:	No observable ACM in area				
Sample Location	N1350E500-10/30				
Collected By:	SC/RR				
0-6 in.	Dark to light brown silt with some organic		X		X
6-18 in.	Tan to mottled silt with clay		X		X
18-36 in.	Tan to mottled silt, trace clay		X		X
Comments:	No visible surficial asbestos				
Sample Location	N1350E650-10/30				
Collected By:	JI				
0-6 in.	Dark brown silt, trace clay		X		X
6-18 in.	Mottled silt, little clay		X		X
18-36 in.	Re-brown to mottled clay, some silt		X		X
Comments:	No visible surficial asbestos				

ALLIANCE Technologies Corporation

ABD 001 1272

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location:	N1350E700-10/30				
Collected By:	RR				
0-6 in.	Brown black silt-organics		X		X
6-24 in.	Tan mottled silt with some clay		X		X
24-48 in.	As above		X		X
Comments:	Samples taken at 6,24,48 inches				
Sample Location:	N1350E800-11/1				
Collected By:	TL/MD				
0-6 in.	Dark brown silt and organics, some clay		X		X
6-18 in.	Mottled brown to gray silt & clay		X		X
	trace very fine sand				
18-36 in.	Mottled brown to gray silt, little clay		X		X
	little very fine sand				
Comments:	No visible surficial asbestos				

ALLIANCE Technologies Corporation

ABD 001 1273

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1400E250-10/30				
Collected By:	RP/BM				
0-6 in.	Dark brown fine sand, roots		X		X
6-18 in.	Gray to red very fine sand, little silt		X		X
18-36 in.	Gray to red very fine sand, little silt, stiff		X		X
Comments:	No visible surficial asbestos				
Sample Location	N1400E300-10/30				
Collected By:	RP/BM				
0-6 in.	Dark brown sand, little silt		X		X
6-18 in.	Gray and red-brown sand, little silt		X		X
18-36 in.	Light brown silt, stiff		X		X
Comments:	No visible surficial asbestos				
Sample Location	N1400E350-10/30				
Collected By:	RP/BM				
0-6 in.	Dark brown fill, brick, fine sand, soft		X		X
6-18 in.	Light to red-brown fine sand and silt, soft		X		X
18-36 in.	Red-brown silt, little clay, soft		X		X
Comments:	No visible surficial asbestos				

ALLIANCE Technologies Corporation

ABD 001 1274

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	**N1400E400-10/30-A**				
Collected By:	**JI**				
0-6 in.	Dark brown organic silt and clay, soft		X		X
6-18 in.	Light brown silt, some sand, trace clay		X		X
18-36 in.	Light brown c&m sand, some mottled silt, wet		X		X
Comments:	No visible surficial asbestos				
Sample Location	**N1400E400-10/30-B**				
Collected By:	**JI**				
0-6 in.	Dark brown organic silt and clay, soft		X		X
	Trace fine sand				
6-18 in.	Light beige to brown silt, little clay,		X		X
	Trace fine sand				
18-36 in.	Light brown c&m sand, some mottled silt, wet		X		X
Comments:	No visible surficial asbestos				
Sample Location	**N1400E450-10/30**				
Collected By:	**MD/TL**				
0-6 in.	Brown silt, some organic, trace clay		X		X
6-18 in.	Mottled clay and silt		X		X
	14-18" moist mottled clay & silt, trace fine sand				
18-36 in.	Gray clay, orange brown silt&fine sand		X		X
	Water at 28", some peaty layers				
Comments:	No observable ACM in area				

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ABD 001 1275

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1400E500-10/30				
Collected By:	SC/RR				
0-6 in.	Dark brown silt, rich organic		X		X
6-18 in.	Light gray to tan silt, little fine sand		X		X
18-36 in.	Red-brown silt, trace fine sand		X		X
Comments:	No visible surficial asbestos				
Sample Location	N1400E600-10/30				
Collected By:	JI				
0-6 in.	Dark to light brown silt, little clay		X		X
	Some organics				
6-18 in.	Dark brown to mottled silt, some clay		X		X
18-36 in.	Light gray to mottled clay, little silt		X		X
	Sample is slightly damp				
Comments:	No visible surficial asbestos				
Sample Location	N1400E650-10/30				
Collected By:	MD/TL				
0-6 in.	Brown silt and organics,trace clay	X		X	
	Some ACM				
6-18 in.	Tan and orange-brown clay and silt		X		X
18-36 in.	Orange brown silt and gray clay		X		X
Comments:	Sample 14'3" W of point, near track fence No visible ACM except over fence on track				

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Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location N1450E250-10/30 Collected By: RP.BM					
0-6 in.	Dark brown fine sand		X		X
6-18 in.	Gray to red-brown sand, some silt, damp		X		X
18-36 in.	Gray to red-brown very fine sand and silt		X		X
Comments: No visable surficial asbestos					
Sample Location N1450E450-10/30 Collected By: JI					
0-6 in.	Dark to light brown silt, little clay		X		X
6-18 in.	Darkk brown silt and clay, soft		X		X
18-36 in.	Light beige fine sand and silt		X		X
	Sample is wet				
Comments: No visible surficial asbestos					
Sample Location N1450E500-10/30 Collected By: SC/RR					
0-6 in.	Dark brown silt		X		X
6-18 in.	Gray silt, some clay, trace sand, moist		X		X
18-36 in.	Dark brown to tan silt, some clay, some fine sand		X		X
Comments: No visible surficial asbestos Sample 7'South of point, 2'6" inside fence					

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ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location N1450E550-10/30 Collected By: JI					
0-6 in.	Dark brown to beige silt, little clay		X		X
6-18 in.	Dark brown to beige clay and silt		X		X
18-36 in.	Dark brown to mottled clay, little silt, stiff		X		X
Comments:	No visible surficial asbestos				
Sample Location N1450E600-10/30 Collected By: MD/TL					
0-6 in.	Brown silt and organics		X		X
6-18 in.	Orange-brown and gray mottled clay and silt		X		X
18-36 in.	Orange-brown silt and gray clay		X		X
	Very dense at 33-34"				
Comments:	No observable ACM in area				
Sample Location N1450E650-11/1 Collected By: RR					
0-6 in.	White tiles - asbestos	X		X	
6-12 in.	Red brown very dense silt		X		X
12-24 in.	Red brown silt with small white asbestos mixed	X		X	
6 ft.	Red brown silt saturated, no asbestos		X		X
Comments:	Sample taken at 6 ft.				

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Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1450E700-11/1				
Collected By:	TL/MD				
0-6 in.	Dark brown to mottled sil and organics,		X		X
	trace clay				
6-18 in.	Mottled orange-brown silt and clay		X		X
18-36 in.	Mottled brown to orange silt & very fine sand		X		X
	little clay				
Comments:	No visible surficial asbestos				
Sample Location	UPLANDS BKGD-11/1				
Collected By:	TL/MD				
0-6 in.	Dark brown silt & organics some fine sand		X		X
6-18 in.	Gray brown & orange-brown mottled fine sand		X		X
	and silt, little clay				
18-36 in.	Gray brown & orange-brown mottled medium sand		X		X
	and silt				
Comments:	No visible surficial asbestos In wooded area between 542 & 580 Meyersville Rd				
Sample Location	WETLANDS BKGD -11/1				
Collected By:	TL/MD				
0-6 in.	Brown silty sand, some clay & organics		X		X
6-18 in.	Gray to orange-brown mottled clay & silt		X		X
	Little sand				
18-36 in.	Orange-brown to mottled silt & clay,		X		X
	some fine sand and organics				
Comments:	No visible surficial asbestos 150 yds off West side of Maple Rd in wooded area after 26 Maple Rd				

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Project No: 1-635-195-0-2PA2-0

Site ID: White Bridge Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	NW UPLANDS BKGD-11/1				
Collected By:	TL/MD				
0-6 in.	Dark brown silt and organics, some sand		X		X
6-18 in.	Orange to brown silt, some organics some sand		X		X
	trace clay				
18-36 in.	Orange to brown sandy silt, some clay		X		X
	some organics				
Comments:	No visible surficial asbestos. New Vernon Road (Long Hill) 2.6mi North of Mary Knoll Dr: West side of Rd				
Sample Location	NW WETLANDS-11/1				
Collected By:	TL/MD				
0-6 in.	Brown to gray silt and organics, some clay		X		X
6-18 in.	Mottled clay, some organics, some silt		X		X
18-36 in.	Mottled clay, some organics, some silt		X		X
	trace fine sand				
Comments:	No visible surficial asbestos. New Vernon Road (Long Hill) 0.3 mi toward White Bridge Rd, West side of Rd				

ABD 001 1280

ALLIANCE Technologies Corporation

APPENDIX D

GPR REPORT

HAGER-RICHTER
GEOSCIENCE, INC.

GROUND PENETRATING RADAR SURVEY
WHITE BRIDGE ROAD AND
NEW VERNON ROAD SITES
MEYERSVILLE, MORRIS COUNTY
NEW JERSEY

Subcontract No. 1-635-999-HRG
EPA Contract No. 68-W9-0003
Work Assignment No. C02070

Prepared for:

Alliance Technologies Corporation
Boott Mills South
Foot of John Street
Lowell, Massachusetts 01852

Prepared by:

Hager-Richter Geoscience, Inc.
8 Industrial Way - D10
Salem, New Hampshire 03079

File 90D46
November, 1990

ABD 001 1282

HAGER-RICHTER
GEOSCIENCE, INC.

GPR Survey - Asbestos Dump
Morris County, New Jersey
File 90D46 November, 1990

0. EXECUTIVE SUMMARY

Hager-Richter Geoscience, Inc. completed a two-day ground penetrating radar (GPR) survey at two sites in Meyersville, Morris County, New Jersey for Alliance Technologies Corporation of Lowell, Massachusetts in November, 1990. The two sites are part of a USEPA National Priorities List project known as the Asbestos Dump. The work was conducted under Subcontract No. 1-635-999-HRG to EPA Contract No. 68-W9-0003, Work Assignment No. C02070.

The two sites are called the White Bridge Road Site and the New Vernon Road Site. Reportedly, asbestos wastes in the form of broken tiles and other asbestos-containing debris were dumped at the sites in the late 1960's and/or early 1970's.

The primary objective of the GPR survey was to determine, if possible, the lateral extent and depth of the fill material at both sites. A secondary objective was to obtain reconnaissance GPR profiles at other locations that had been selected as potential alternate sites for relocating existing structures.

The GPR survey consisted of 6070 feet of profile at the White Bridge Road Site and 2175 feet of profile at the New Vernon Road Site for a total of 8245 feet. Orthogonal profiles were obtained at 50-foot intervals over areas selected by Alliance Technologies and staked on a survey grid.

The lateral extent of the filled areas and the relative thickness of fill can be distinguished in the GPR records. Whether the fill areas contain asbestos wastes cannot be determined from the GPR records alone.

On the basis of the GPR data for the White Bridge Road Site, we conclude that the area of fill occurs approximately between coordinates E475 to E750, N800 to N1275. The fill is variable in thickness, and is generally thickest along the eastern margin of the filled area. Profile E450, located in an area considered as an alternate site for the riding track, does not exhibit evidence of fill.

On the basis of the GPR data for the New Vernon Road Site, we conclude that the fill area occurs roughly between coordinates E200 to E300, N1200 to N1400. The fill is variable in thickness and is thickest toward the center of the former pond near coordinates E250 to E275, N1250. GPR profiles obtained south of a paved driveway at N1175, located in an areas considered as an alternate site for a house, do not exhibit evidence of fill.

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HAGER-RICHTER
GEOSCIENCE, INC.

GPR Survey - Asbestos Dump
Morris County, New Jersey
File 90D46 November, 1990

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Figure 2. Sketch Map of the White Bridge Road Site.

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HAGER-RICHTER
GEOSCIENCE, INC.

GPR Survey - Asbestos Dump
Morris County, New Jersey
File 90D46 November, 1990

1. INTRODUCTION

Hager-Richter Geoscience, Inc. conducted a ground penetrating radar (GPR) survey at two sites in Meyersville, Morris County, New Jersey under subcontract (No. 1-635-999-HRG) to Alliance Technologies Corporation of Lowell, Massachusetts. The two sites are part of a larger USEPA National Priorities List project known as the Asbestos Dump. The investigation of the Asbestos Dump is sponsored by the United States Environmental Protection Agency under Contract No. 68-W9-0003, Work Assignment No. C02070.

The two sites are designated the White Bridge Road Site and the New Vernon Road Site. Both sites are located in a rural area south of the Great Swamp National Wildlife Refuge. Figure 1 shows the general location of the sites. Reportedly, broken asbestos tiles and other asbestos-containing debris were dumped at the sites in the late 1960's and/or early 1970's.

The White Bridge Road Site consists of approximately 12 acres of land and is presently used as a horse farm. Figure 2 is a sketch map of the site. The New Vernon Road Site consists of about 30 acres of land, most of which is now idle agricultural land. Figure 3 is a sketch map of the site. The survey areas at both sites are relatively level and open, except for fencing around a riding track and pastures at the White Bridge Road Site.

The primary objective of the GPR survey was to characterize the lateral and vertical extent of the fill areas. A secondary objective was to obtain reconnaissance GPR profiles in selected areas presumed not to have been filled and that are being considered as alternate sites for facilities located in the dump areas. The GPR method was selected for the survey because of its ability to provide continuous, rather than point-by-point, profiles of subsurface conditions.

The approximate locations of the dumpsites were known from visual or other evidence. Alliance Technologies Corporation established a coordinate system and staked each geophysical survey area on a 50-foot grid prior to the field work. All locations referred to in this document are based on the conventions established by the Alliance survey. The final survey maps relating the grid to the sites were not available at the time of preparation of this report, so the maps of results included herein are based on the survey grids alone.

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Hager-Richter personnel were on site on October 31 and November 1, 1990. George Fields and Jon Puliafico conducted most of the field operations. Jeffrey Reid participated in part of the first day's field work and performed preliminary computer processing of the GPR records in a temporary field office established near the site. All field work was conducted under Level C personal protection. Mr. Dale Weiss of Alliance Technologies Corporation coordinated the field operations, selected the locations of all GPR profiles, and observed parts of the field work and preliminary data processing.

2. EQUIPMENT AND PROCEDURES

2.1 General

2.1.1 Field Work. A Geophysical Survey Systems, Inc. Model SIR-3:VDU-38 ground penetrating radar system was used for this survey. The system consists of an electronics unit, power supply, graphic recorder, color video display unit and transmitting/receiving antenna. The sketch in Figure 4 shows the basic operation of the GPR system. The transmit/receive antenna is housed in a box that is moved across the surface. The antenna transmits electromagnetic signals into the subsurface and then detects, amplifies, and displays reflections of the signals in real time on a graphic recorder and a color video display unit. The result is a radar record of the subsurface. The data are also recorded on a tape recorder for later computer processing and detailed interpretation.

The total time during which radar signals are recorded can be varied from a few to 1,000 nanoseconds (nsec). However, there is a trade-off between total time, corresponding to depth range, and resolution. As the total time of recording is increased, the resolution of the GPR records decreases. For a given site, the total time window is set to detect features located somewhat below the maximum expected target depths.

2.1.2 Data Processing. The paper records printed by the graphic recorder in the field are used for the preliminary interpretation of the GPR data. Selected portions of the GPR data are analyzed with GSSI's RADAN (Release 3) software package. With this software, several operations may be performed on the GPR data to enhance the signal-to-noise ratio and thereby improve the interpretation and presentation. Digital signal processing

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options include vertical and horizontal filtering, deconvolution, migration, and various mathematical functions. In addition, the GPR data can be viewed and plotted as line scans (as in the paper field records) or wiggle traces and in a variety of color schemes.

2.1.3 Interpretation. The horizontal axis of a GPR record is distance across the surface, and the vertical axis is round-trip travel time of the radar signals. The round-trip travel time can be converted to approximate depth by correlating with reflections from targets of known depth or by using handbook values of velocities for materials in the subsurface. For those sites where the subsurface is electrically inhomogeneous, the travel times of the radar signal may be different in the various materials, and the vertical scale for the radar records is not necessarily uniform with depth.

The maximum depth to which GPR signals can penetrate depends on the electrical properties of the subsurface materials. The higher the electrical conductivity of the subsurface materials, the lower the radar signal penetration. The mineralogical clay content and the subsurface fluid conductivity are the major factors that affect the bulk conductivity of the subsurface. High mineralogical clay content or very conductive pore fluid (e.g., salt water) will reduce the signal penetration.

The reflections in a GPR record are produced by spatial changes in the physical properties (e.g., type of material, subsurface fluids, porosity, etc.) and related changes in the electrical properties (dielectric constant) of the subsurface materials in the path of the signals. The greater the difference in electrical properties between two materials in the subsurface, the stronger the reflection observed on the GPR record. The size, shape, and amplitude of the GPR reflections are the characteristics that are considered in the interpretation of the data for any site.

2.2 Site Specific

Preliminary data were acquired at each site using both 500 and 300 MHz antennas. The 300 MHz antenna achieved better signal penetration and was used for most of the survey. Several profiles were run with both GPR antennas and a few with only the 500 MHz antenna.

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GPR Survey - Asbestos Dump
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Initial test profiles at the White Bridge Road Site indicated that the maximum GPR signal penetration at the Site was generally less than about 60 nanoseconds. Thus, GPR data were recorded for this survey with a time window of 90 nsec. The 90 nsec time window represents an estimated maximum depth of investigation of about 10 feet, using a handbook travel time of 9 nsec/foot for silt and clay rich soils.

The GPR antenna was pulled by hand for all profiles. The profiles were acquired on the staked grid provided by Alliance Technologies and in the locations specified by them. The profiles are generally spaced 50 feet apart.

At the request of Alliance Technologies, preliminary data processing was made in a temporary field office located near the sites. The preliminary processing included production of colored profiles, and deconvolution of the input signal followed by horizontal and vertical low pass filtering. Copies of raw field GPR records and preliminary processed GPR records were provided to Mr. Weiss of Alliance Technologies on November 3, 1990.

Alliance Technologies further required that all GPR data be processed. Several different digital processing operations were tried on the GPR data to attempt to enhance the signal-to-noise ratio of possibly weak reflections in the records. Such processes included deconvolution with various input parameters, horizontal and vertical filtering. Reflection amplitudes were examined with the Hilbert Transform on selected profiles. In general, we judge that the signal processing enhances the GPR data for some, but not all, profiles. One complete set of the processed and unprocessed GPR records were provided to Alliance Technologies Corporation with the preliminary draft of this report.

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3. RESULTS AND DISCUSSION

3.1 General

The GPR survey at the two sites totaled 8245 feet. At the White Bridge Road Site, 6070 feet of profile were obtained in 17 traverses. At the New Vernon Road Site, 2175 feet of profile were obtained in 11 traverses.

The general quality of the GPR records is fair. Both the asbestos-containing fill and the natural ground appear to be sufficiently conductive to attenuate the radar signal below a few feet of penetration. The attenuation of the radar signal may be due to a relatively high clay content in both the natural soil and the fill, and the shallow water table in the area.

The character of the GPR records for the fill areas is that of disturbed ground, i.e., disrupted GPR reflections of similar amplitude to the undisturbed ground. The unfilled areas generally have smooth GPR reflections. The asbestos-containing materials do not appear to produce a GPR signature that can be distinguished from other nonmetallic fill types. Therefore, although fill areas can be detected and delineated with GPR, the GPR data alone are not sufficient to determine whether the fill contains asbestos wastes.

3.2 White Bridge Road Site

The GPR survey profiles at the White Bridge Road Site were located in the vicinity of the current riding track (Figure 2). Traces of asbestos waste were visible in the track and associated roadway. Waste was not visible in the grassed area west of the riding track fencing.

Figure 5 shows the survey grid and the locations of the 17 GPR profiles obtained there. The total length of profile was 6070 feet, not counting test lines and profiles repeated with the 500 MHz antenna. Several profiles were completed in segments because of obstructions such as fences.

The unfilled versus filled areas are recognized in the GPR records for the White Bridge Road Site by a change in character from smooth repeating reflections of medium amplitude to a region

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of irregular, commonly indistinct GPR reflections of medium amplitude. Figure 6 is an example of the transition from an unfilled region to an area with fill.

The lateral extent of the fill area, as based on the GPR data, is outlined on Figure 5. The fill area occurs approximately between the coordinates E475 to E750, N800 to N1275. Whether the filled area contains asbestos wastes cannot be determined from the GPR data alone; however, the areas of fill defined in the GPR records correlate well with borings that contain such waste, based on logs provided by Alliance Technologies.

The logs for several boreholes installed at the White Bridge Road Site near the time of the GPR survey indicate the depth of fill varies from zero to twelve feet. Figure 7 shows part of GPR line N1200. Boreholes at E650, E700, and E750 indicate that the depth of fill is 2 feet, 6 feet, and 0 feet, respectively. There is a general correlation with depth of fill and the apparent depth of GPR penetration at those points; however, the relationship does not appear to be linear. The correlation data may be interpreted to indicate that: (1) the time-to-depth conversions for the materials at this site are nonlinear; or (2) the GPR records do not clearly indicate the bottom of the fill.

Based on comparing the GPR records with the boring logs, we conclude that the GPR records cannot be used to determine an exact depth to the bottom of the fill with a high degree of confidence. However, the GPR records may be used to estimate the relative thickness of fill.

At the White Bridge Road Site, the thickness of the fill appears to be variable. The fill thickens gradually from the western edge toward the east. The eastern edge of the fill area probably correlates with a 3 to 4 feet topographic drop near E750.

Two GPR profiles (N450 and N1200 (from E375 to E500)) were obtained in the northwest part of the staked area. The two profiles were located in an area considered as a possible alternate site for relocating the riding track. There is no evidence of fill material in the GPR records for the two profiles.

3.3 New Vernon Road Site

The GPR profiles at the New Vernon Road Site were located in the general vicinity of a filled pond between the road and the front of a residence (Figure 3). The survey area is a flat, groomed lawn, and there is no visible evidence of either the

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former pond or asbestos waste. A second, larger area of asbestos fill at the rear of the residences was not included in the geophysical survey because of advanced remediation activities there.

Figure 8 shows the survey grid and the locations of the 11 GPR profiles obtained there. The total length of profile was 2175 feet, not counting test lines and profiles repeated with the 500 Mhz antenna.

As for the White Bridge Road Site, the filled areas are recognized in the GPR records for the New Vernon Road Site by a change in character from smooth repeating reflections of medium amplitude in the unfilled areas to a region of irregular, commonly indistinct GPR reflections.

The lateral extent of the fill area as based on the GPR data is outlined on Figure 8. The fill area occurs approximately between the coordinates E200 to E300, N1200 to N1400. The south edge of the fill is located a few feet north of the paved driveway. Whether the fill contains asbestos wastes cannot be determined from the GPR data alone.

The thickness of the fill at the New Vernon Road Site is judged to be variable, and probably conforms to the bottom of the former pond. In the GPR records, the thickest part of the fill appears to be at about coordinates E250 to E275 along line N1250 (Figure 9) at about N1250 and N1300 along line E250. Preliminary borehole logs provided by Alliance Technologies, however, indicate that the fill is 2 to 4 feet thick at coordinates E250, N1250; but at coordinates E250, N1300, the Alliance logs indicate that the fill is 10 feet thick. The GPR record for line N1300 is reproduced in Figure 10. The apparent depth of fill in Figures 9 and 10 is similar, and we conclude that the GPR data for this site cannot be used to determine an exact depth of fill.

Several GPR profiles were acquired in the area south of the paved driveway at N1175 at the New Vernon Road Site. The area is reportedly being considered as a possible alternate site for relocation of a house on the property. There is no evidence in the GPR records for the presence of fill in the area south of the driveway.

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4. CONCLUSIONS

Based on the GPR data collected at the White Bridge Road and the New Vernon Road Sites, Meyersville, Morris County, New Jersey, we conclude:

1. The GPR method was successful at identifying the lateral extents of the filled areas. Whether the fill contains asbestos materials cannot be determined from the GPR records alone, however.

2. The depth of the fill appears to be variable at both sites and can be estimated in a qualitative manner from the GPR records.

3. At the White Bridge Road Site, the fill area is located near the riding track, approximately between the coordinates E475 to E750, N800 to N1275. An area at the northwest part of the survey area (near coordinates E450, N1200) does not exhibit GPR reflections indicative of fill.

4. At the New Vernon Road Site, the filled pond area is located approximately between coordinates E200 to E300, N1200 to N1400. An area south of the paved driveway does not exhibit GPR reflections indicative of fill.

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Morris County, New Jersey
File 90D46 November, 1990

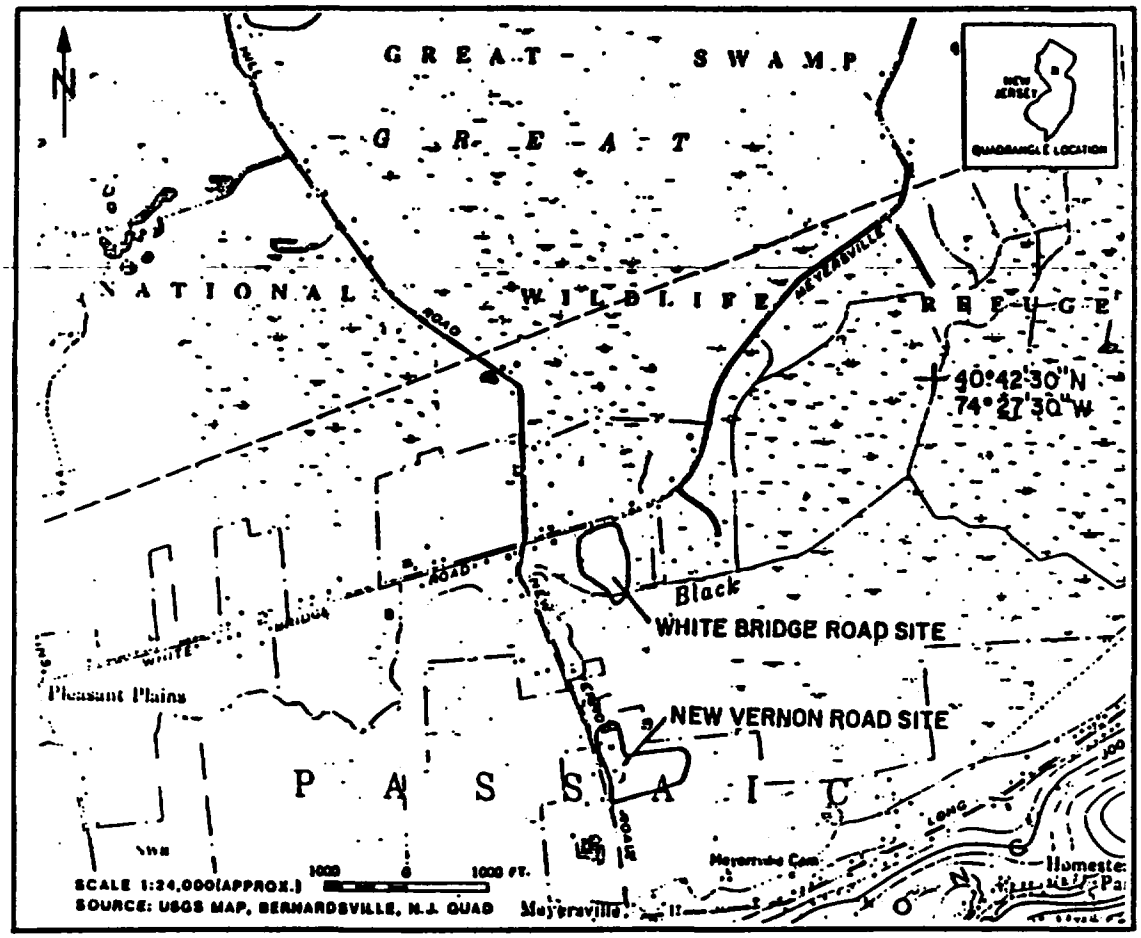

Figure 1. General location of the White Bridge Road and New Vernon Road Sites, Meyersville, Morris County, New Jersey.

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Morris County, New Jersey
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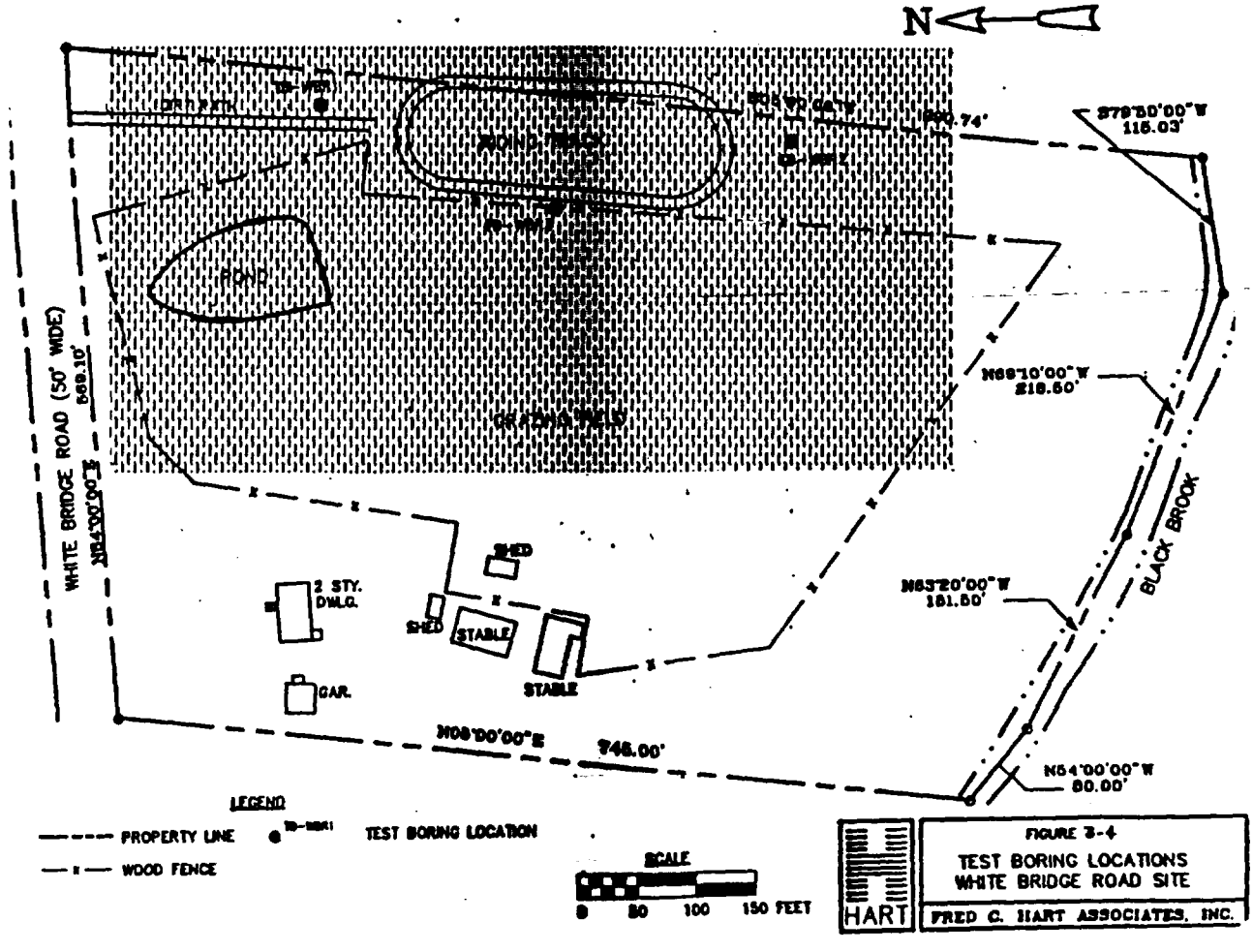

Figure 2. Sketch map of the White Bridge Road Site. Scale is approximate. The shaded area indicates the approximate location of the GPR survey grid. Map provided by Alliance Technologies Corporation.

ABD 001 1294

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Morris County, New Jersey
File 90D46 November, 1990

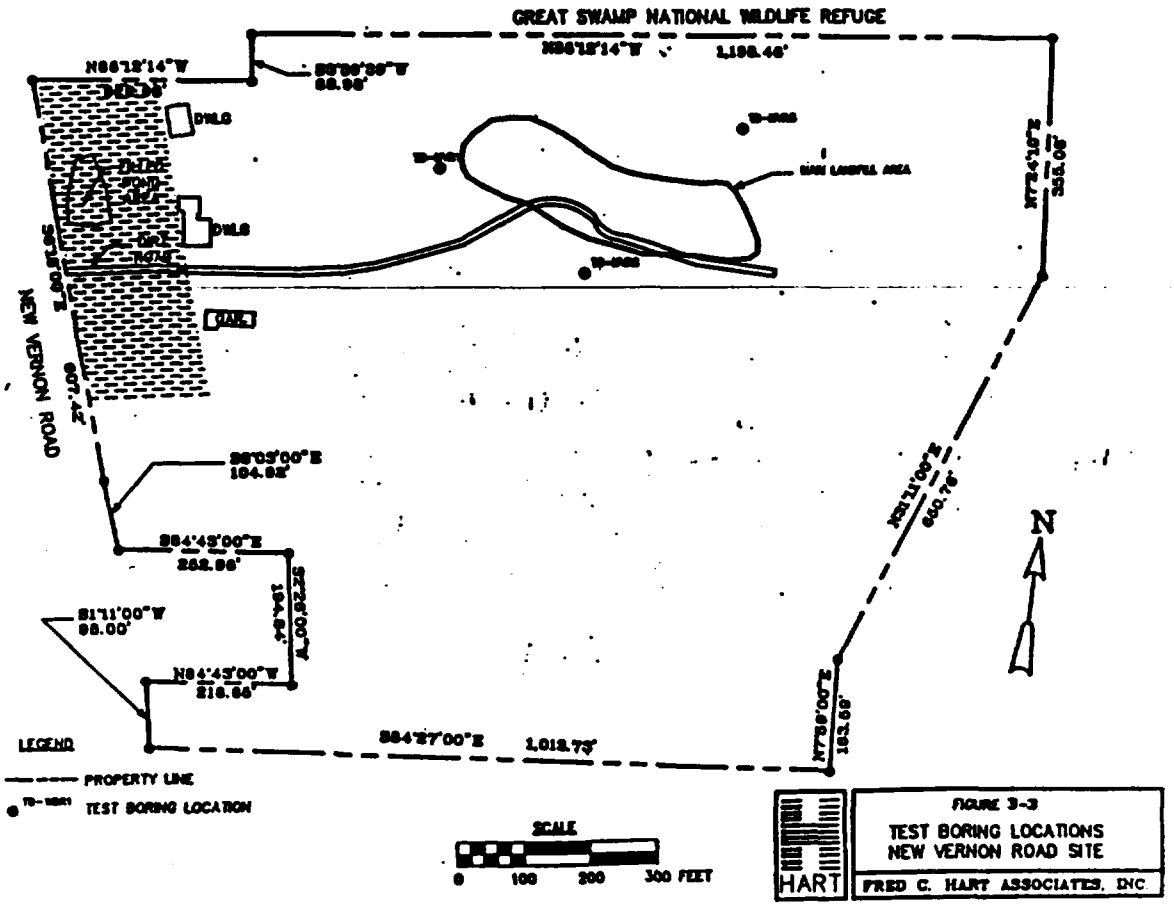

Figure 3. Sketch map of the New Vernon Road Site. Scale is approximate. The shaded area shows the approximate location of the GPR survey grid. A second larger area of asbestos fill inside the property was not included in the GPR survey because of active remediation work going on there. Map provided by Alliance Technologies Corporation.

ABD 001 1295

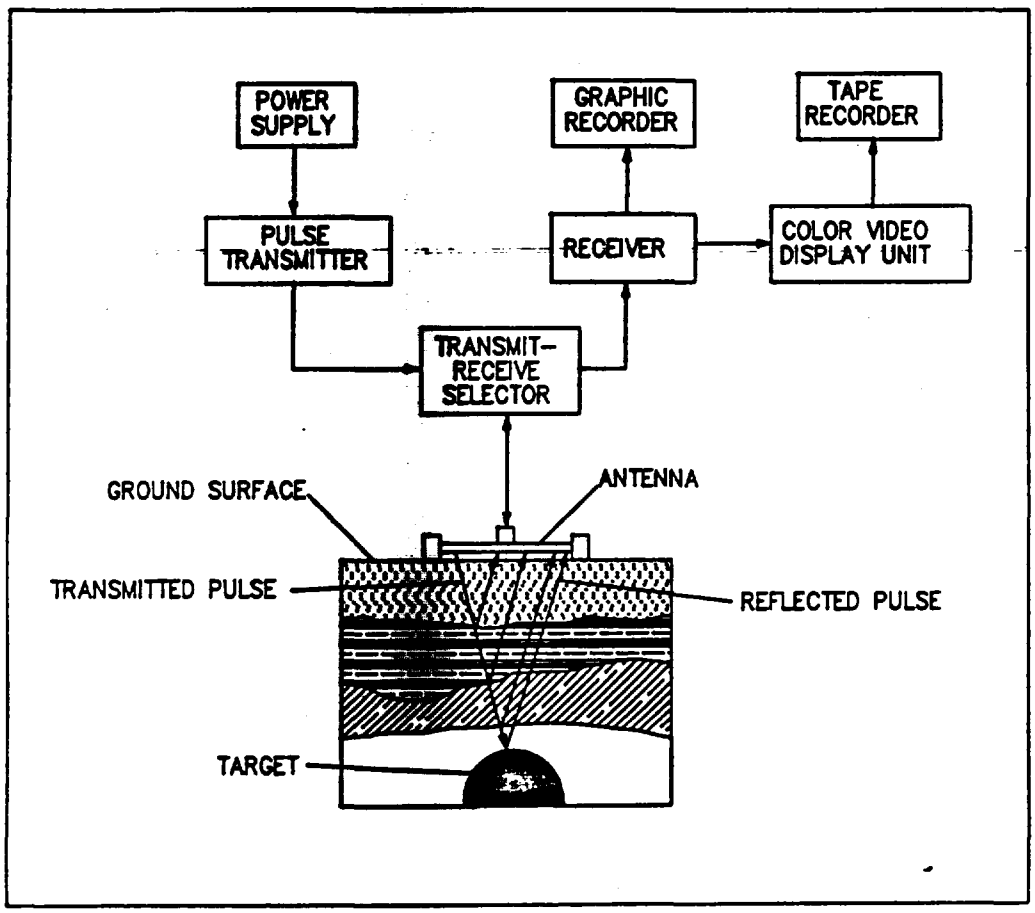

Figure 4. Sketch of the GPR System.

ABD 001 1296

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GPR Survey - Asbestos Dump
Morris County, New Jersey
File 90D46 November, 1990

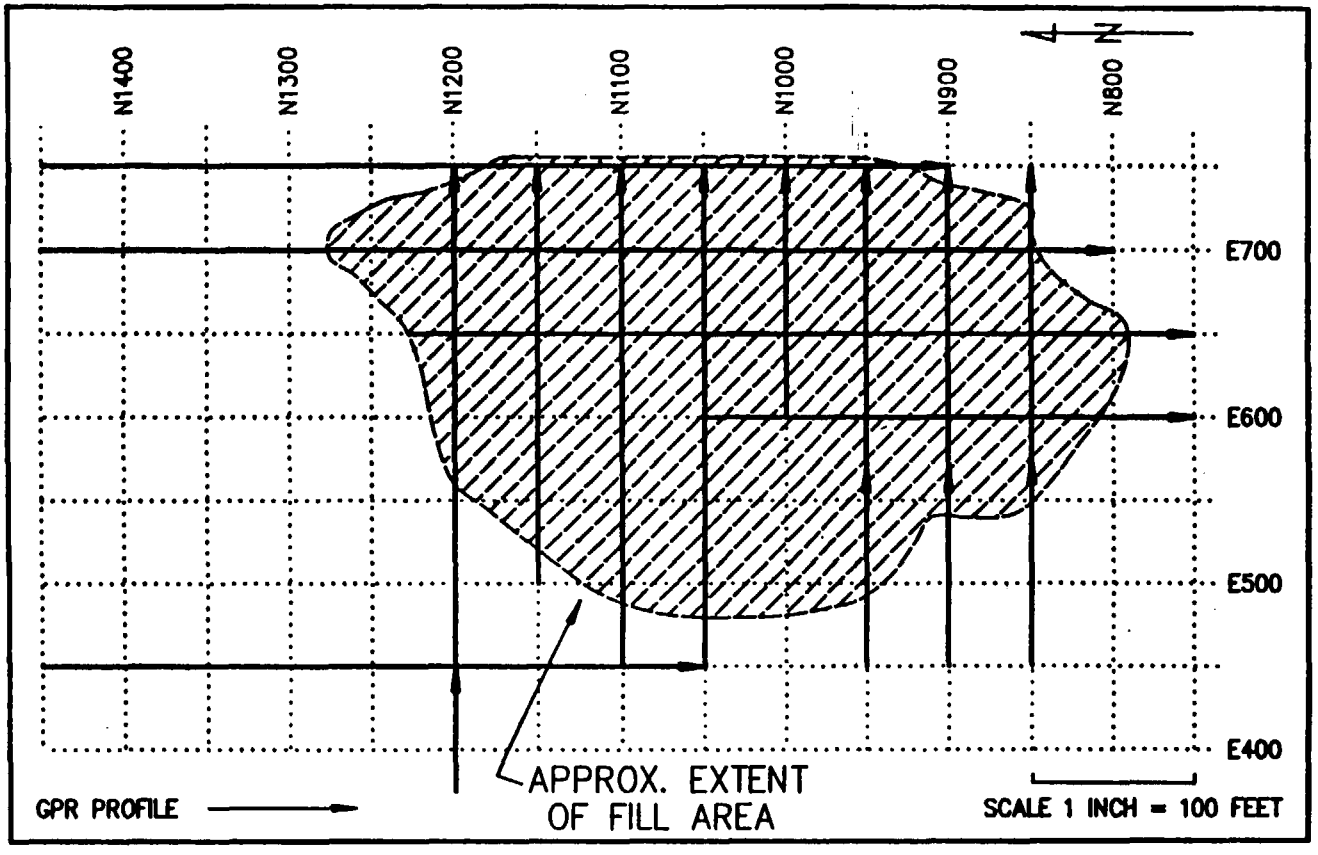
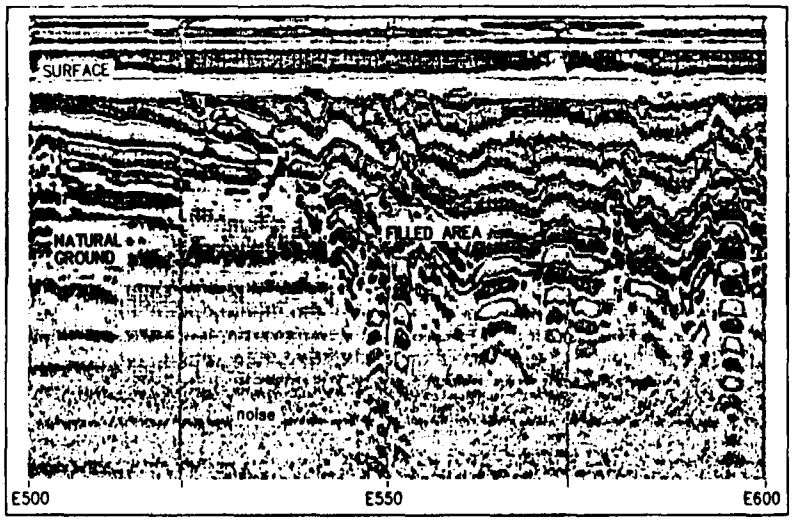
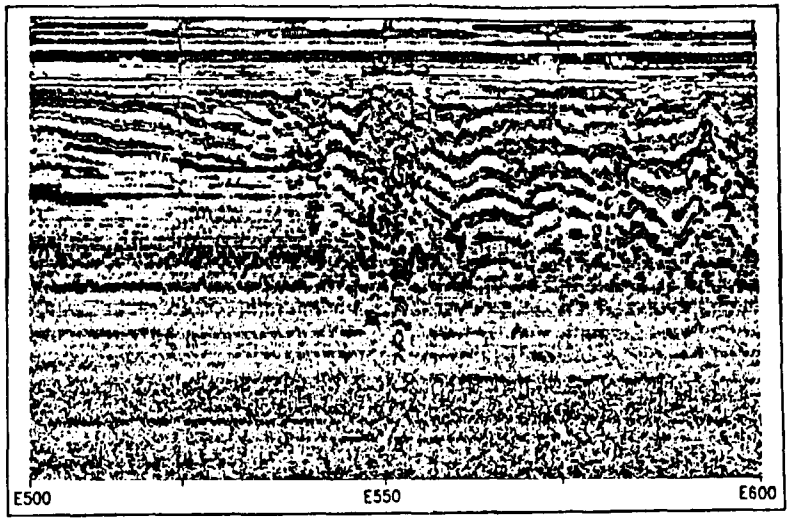


Figure 5. GPR Survey - White Bridge Road Site. The location of GPR survey profiles and interpreted lateral extent of fill are shown. The grid coordinates are those staked in the field by Alliance Technologies.

ABD 001 1297



Unprocessed GPR Data



Processed GPR Data

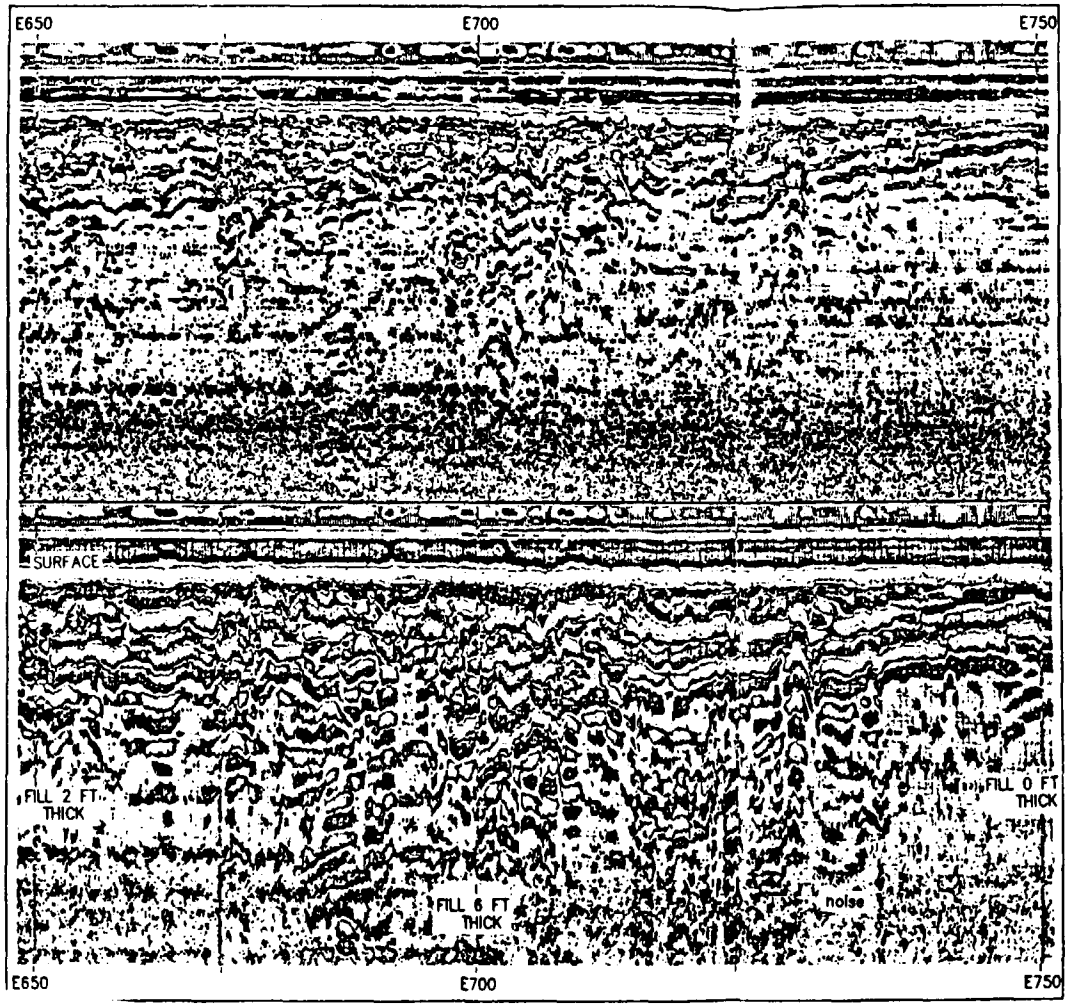
NOTE: Vertical axis is time; full scale is 90 nsec, corresponding to a depth of about 10 feet. The depth scale is variable.

Horizontal axis is distance in feet. The horizontal axis is variable due to differing rates of movement along the surface.

FIGURE 6
PORTION OF GPR LINE N1150
WHITE BRIDGE ROAD SITE

File 90D46	November, 1990

HAGER-RICHTER GEOSCIENCE, INC.
8 INDUSTRIAL WAY - D10
SALEM, NEW HAMPSHIRE 03079



Processed GPR Data

NOTE: Vertical axis is time; full scale is 90 nsec, corresponding to a depth of about 10 feet. The depth scale is variable.

Horizontal axis is distance in feet. The horizontal axis is variable due to differing rates of movement along the surface.

Unprocessed GPR Data

FIGURE 7
PORTION OF GPR LINE N1200
WHITE BRIDGE ROAD SITE

File 90D46	November, 1990

HAGER-RICHTER GEOSCIENCE, INC.
8 INDUSTRIAL WAY – D10
SALEM, NEW HAMPSHIRE 03079

GPR Survey - Asbestos Dump
Morris County, New Jersey
File 90D46 November, 1990

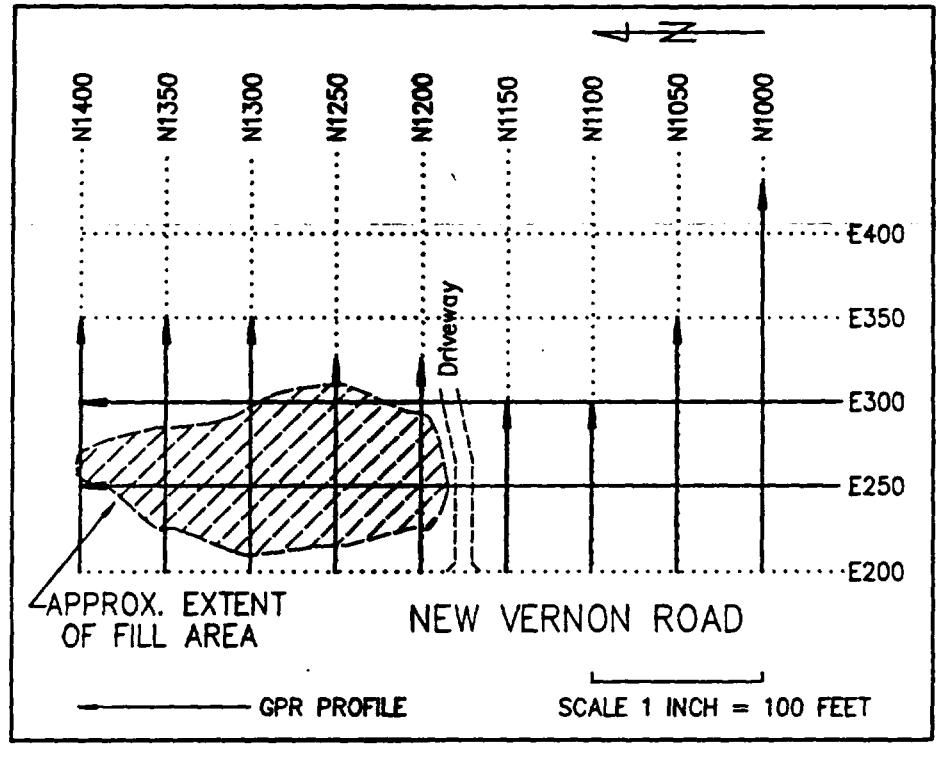
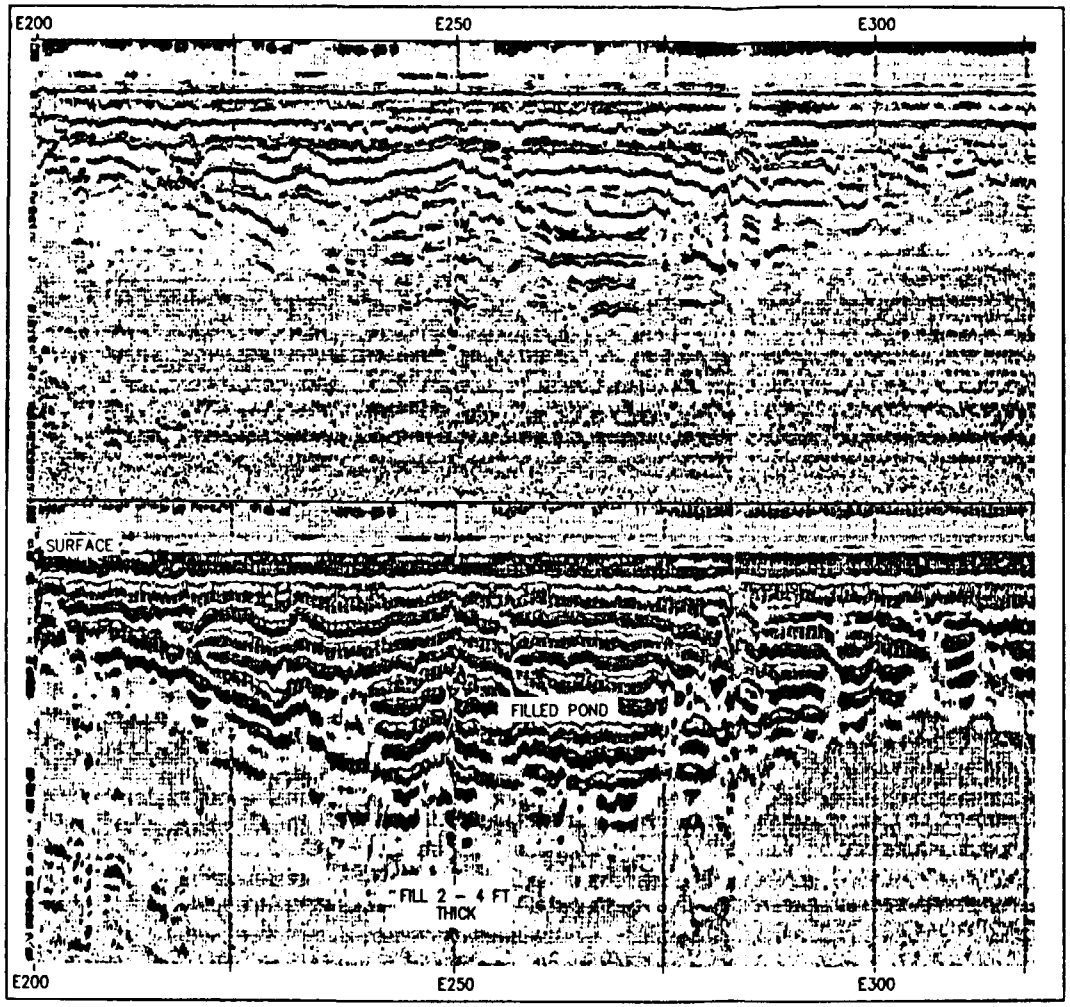


Figure 8. GPR survey - New Vernon Road Site. The location of profiles and interpreted lateral extent of fill are shown. The grid coordinates are those staked in the field by Alliance Technologies.

ABD 001 1300



Processed GPR Data

NOTE: Vertical axis is time; full scale is 90 nsec, corresponding to a depth of about 10 feet. The depth scale is variable.

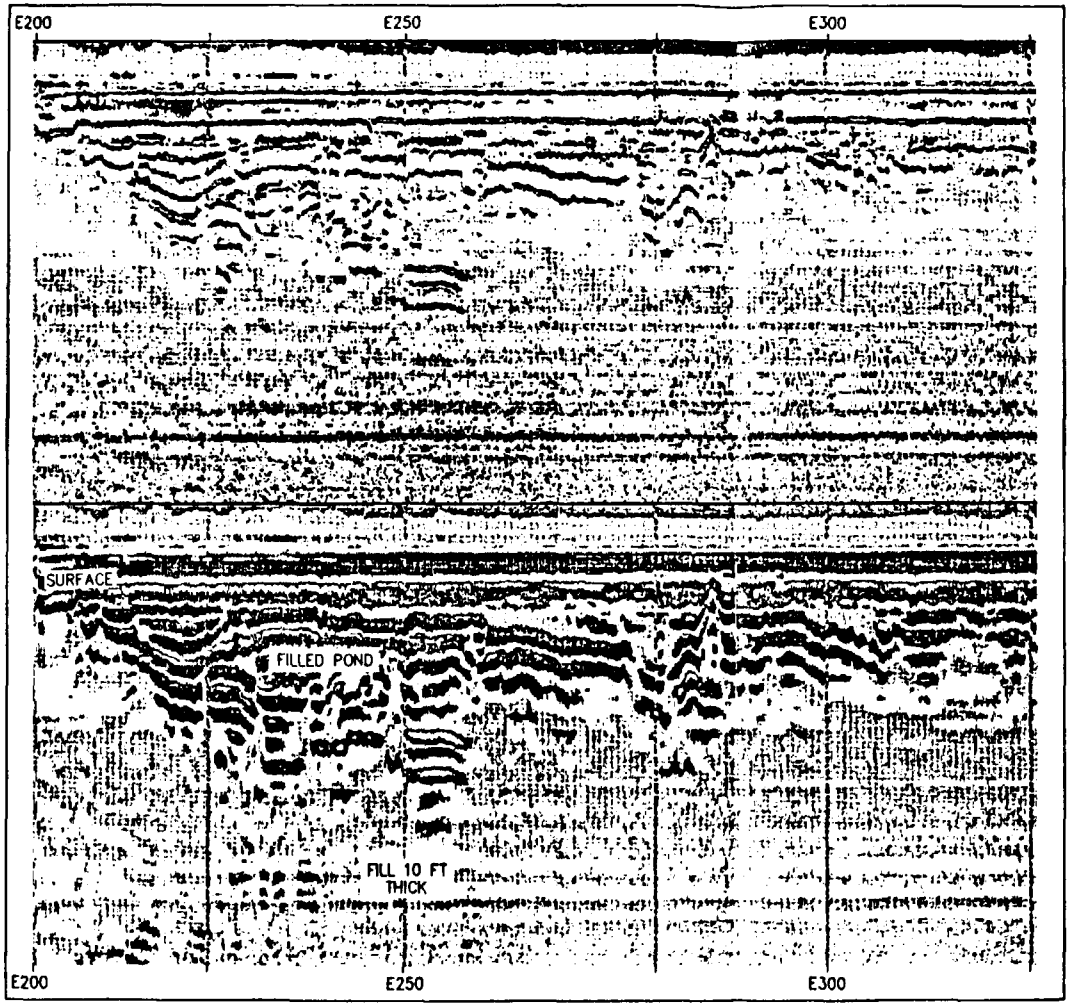
Horizontal axis is distance in feet. The horizontal axis is variable due to differing rates of movement along the surface.

Unprocessed GPR Data

FIGURE 9
GPR LINE N1250
NEW VERNON ROAD SITE

File 90D46	November, 1990

HAGER-RICHTER GEOSCIENCE, INC.
8 INDUSTRIAL WAY - D10
SALEM, NEW HAMPSHIRE 03079



Processed GPR Data

NOTE: Vertical axis is time; full scale is 90 nsec, corresponding to a depth of about 10 feet. The depth scale is variable.

Horizontal axis is distance in feet. The horizontal axis is variable due to differing rates of movement along the surface.

Unprocessed GPR Data

FIGURE 10
PORTION OFGPR LINE N1300
NEW VERNON ROAD SITE

File 90D46	November, 1990

HAGER-RICHTER GEOSCIENCE, INC.
8 INDUSTRIAL WAY - D10
SALEM, NEW HAMPSHIRE 03079

APPENDIX E

LAB AUDIT

LABORATORY AUDIT
OF:

Eastern Analytical Laboratories, Inc.
149 Rangeway Road
Billerica, MA 01862

The laboratory audit of Eastern Analytical Laboratories, Inc. (EAL) is in support EPA Contract No. 68-W9-0003 (TES-6), Work Assignment No. C02070, Field Sampling and Analysis at the Asbestos Dump Site, Passaic, NJ. The object of this audit is to insure that EAL is maintaining proper sample custody, adhering to the EAL Quality Assurance Manual, analyzing samples according to referenced methodologies, and is practicing "Good Laboratory Procedures".

Audit performed by:

Edward MacKinnon — Date 11/8/90

Bill Beck — Date 11/8/90

AUDIT REPORT

INTRODUCTION:

On November 08, 1990, Alliance Technologies performed a laboratory audit of Eastern Analytical Laboratories. The laboratory audit of Eastern Analytical Laboratories, Inc. (EAL) is in support EPA Contract No. 68-W9-0003 (TES-6), Work Assignment No. C02070, Field Sampling and Analysis at the Asbestos Dump Site, Passaic, NJ. The object of this audit is to insure that EAL is maintaining proper sample custody, adhering to the EAL Quality Assurance Manual, analyzing samples according to referenced methodologies, and is practicing "Good Laboratory Procedures".

Representing EAL during the audit were;

Ernie Dobi	EAL TEM chemist and project manager of this work assignment.
Drew Killius	EAL PLM and PCM chemist performing the analyses for this work assignment.

LABORATORY AUDIT RESULTS:

1.0 Review of Laboratory Quality Assurance Procedures and Personnel;

The EAL laboratory doesn't have one specific person assigned as the Quality Assurance Manager. EAL has assigned the senior chemist in each discipline, TEM - Ernie Dobi, PLM and PCM - Drew Killius, as the person in charge of all QA matters within the group. Each individual is responsible for the maintenance of instrument log books and QA records, training of new personnel and implementation of "refresher" training courses. Each individual is also responsible for approving all data and results from each discipline.

Inspection of the log books and QA records indicated that they were up to date, properly documented and signed and generally in good order.

2.0 Review of Procedures for Maintaining Laboratory's Supplies and Equipment;

All equipment used in the analysis of bulk samples for asbestos had ample spare parts on hand. Chemicals used in the analysis of bulk samples for asbestos were in sufficient supply for the preparation of all samples in this work assignment.

The asbestos free water used by EAL is purchased from Belmont Springs, a supplier of bottles drinking water. The water purchased, is tested weekly while the water is in the laboratory

and is tested initially when received. Records of these analyses are maintained in a log book and the results approved by Ernie Dobi.

3.0 Review of Calibration Procedures;

All asbestos method calibration procedures are computer generated. Because the calibration procedure is built into the reporting program, the calibration procedure must be performed in order to report results of analyses. Each instrument has written standard operating procedures located near each instrument.

The balances used to weigh the samples are calibrated with NBS Class "S" weights weekly. The calibration verification is recorded in a log book located near the balance. The balance was last calibrated by a certified technician on November 6, 1990.

4.0 Review of Sampling Handling Procedures;

The samples are not logged in by one specific person. Ernie Dobi, project manager, is responsible to get the samples logged in. Ernie will log the samples in himself or appoint someone the task. Upon sample receipt, EAL will assign the sample an EAL number and affix a label to the sample container, the EAL number and sample identification along with all other pertinent information is entered into the computer (electronic logbook), when all the samples are assigned numbers and the data is entered in the computer a computer generated cover sheet is produced, producing a hard copy of everything that was entered into the computer. The original chain of custody that arrived to the laboratory is signed by the EAL person logging in the samples and will accompany the samples through out the laboratory. EAL sample numbers are also recorded on the chain of custody. The samples and paper work are placed on a table in the log in room and wait for the chemist to pick it up. The reviewers have been informed that the chemists will pick up the samples the same day the samples arrive. When the analysis is complete, the samples are returned to a box dedicated to Alliance samples located under a table in the log in room. All associated paperwork is placed in the project file, maintained by Ernie Dobi.

5.0 Review of Data Handling, Reporting and recordkeeping;

All reporting is computer generated and hard copies for this project are maintained by Ernie Dobi in a project dedicated file.

6.0 Analytical Procedures and QC Frequency;

Instrument calibration procedures are computer generated which then becomes part of the report. The calibration procedures must be performed in order for the computer to generate a report. Duplicate\replicate frequency for this project is stated in the Statement of Work. EAL has known samples in which the analysts frequently analyze to maintain familiarity with different asbestos

types.

CONCLUSIONS:

EAL analysts performing the analyses for this project are extremely qualified and have many years of experience in microscopy. The computer generated QC and reporting requirements insures that all analyses are performed uniformly and with the same degree of QC. The Alliance auditors believe that EAL's "Good Laboratory Procedures" are sufficiently established to produce the quality data required by this project.

AUDIT CHECKLIST

1. **Review the Qualifications of the Laboratory's Personnel and the Organizational Structure of the laboratory.**

Has an individual been appointed as Quality Assurance Manager?

yes/no...Who? TEM - Ernie Dan Chemistry - Drew Killings
Rob Perry
Mike Wheeler

Does this individual...

TEM ensure that all test and measuring equipment are properly calibrated?

yes/no... Maintains logbooks,

monitors logging in of samples? Lee Quan

yes/no... Ernie logs in samples. John Knowles prep.

approves project plans, specific analyses, and final reports?

yes/no... Ernie Checks

maintains written and signed records of periodic inspections?

yes/no... Ernie ~~ch~~ maintains

maintains all Quality Assurance records in one location?

yes/no... Ernie has copies in his office

Are qualified individuals employed to perform the required analyses?

yes/no... Training by Ernie, records are maintained in Q/G

Who are they and have they passed the latest NIST and/or NYELAP performance evaluations?

Lab has been certified

No individual certifications

Are qualified individuals authorized to approve data and results?

yes/no... Who? TEM - Ernie

PLM, PCM - Drew

ABD 001 1308

Protocol for determining Asbestos content in river sediments and soil samples used by the USEPA Region 1, ESD Biology Section laboratory.

2. Review the Procedures for Maintaining Laboratory's Supplies and Equipment.

Does the laboratory have sufficient facilities and adequate laboratory instruments to perform required analyses?

yes/no... visual inspection performed, 2TEM, 1PLM

Are chemical supplies stored separately from samples?
yes/no...

Are chemicals dated upon receipt and used in a first-in, first-out basis?

yes/no... N/A

Are chemicals used in sample analysis being tested to insure that they contain no contaminants which may interfere with the analysis?

yes/no... water, oil, stain

Does the laboratory have "fiber Free" water to perform dilutions?

yes/no...Type.. get water from ~~Asbesto~~ Belmont springs

Is the "Fiber Free" water checked for fibers?
yes/no... Tests batch of water, tested once a week

At what frequency and is this information recorded and saved?

Frequency once a week, Records maintained in QA/QC shelf

Are reagents or solutions (oil) being used that have passed the expiration date?

yes/no... Possible for chemistry lab.

Are exhaust hoods provided for preparation of samples?

yes/no... Yes

Are the hoods cleaned? yes/no...frequency?
end of day

Is the air draw sufficient to prevent sample contamination?

yes/no... Monitored continuously

ABD 001 1309

Are adequate routinely needed in-house replacement parts available?

yes/no...

Are slides and cover slips re-used? If yes, what is the cleaning procedure and is it sufficient to prevent cross-contamination?

yes/no... No all saved

What is the cleaning procedure for laboratory glassware? Is the cleaning procedure adequate to prevent cross-contamination?

N/A for Asbestos work

Soap & H_2O, DI rinse

3. Review Calibration Procedures at the Laboratory

Are Standard Operating Procedures (SOPs) written for the calibration of all instruments?

yes/no...

If yes, are the SOPs located near instruments so that analysts may have easy access to them?

yes/no... For TEM in TEM room

Are calibration logs maintained for all instrumentation?

yes/no... @ instrument.

Are corrective action procedures clearly defined and documented?

yes/no... Analyst int

ABD 001 1310

Specific Instrumentation:

Analytical Balance;

Has the balance been calibrated and checked within one year by a certified technician?

yes/no... Date last calibrated.. 11/6/90 Scientech 330C

Is the calibration of the analytical balance verified daily using NBS class S weights?

yes/no... weekly 1g/5g NBS class S weights

If yes, is a logbook kept?

yes/no... [Muffle Furnace Calibration]

PLM

Is the calibration procedure documented?

yes/no... Computer generated

Is the calibration performed documented?

yes/no... computer generated and printed and logbooked

Is a maintenance log located near instrument?

yes/no...

Record date of last maintenance and what it was.

11/12/90

TEM

Is the calibration procedure documented?

yes/no... Computer generated

Is the calibration performed documented?

yes/no... scope alignment

Is a maintenance log located near instrument?

yes/no...

Record date of last maintenance and what it was.

10/90

ABD 001 1311

PCM

Is the calibration procedure documented?

yes/no... Computer Generated (Pat sample must be counted)

Is the calibration performed documented?

yes/no... Computer Generated, printed, log booked

Is a maintenance log located near instrument?

yes/no...

Record date of last maintenance and what it was.

4. Review sampling handling procedures at the laboratory.

Is an individual appointed to log in incoming samples? yes/no...

Who is that person?
No specific person yet,

Is a chain of custody filled out and kept on file? yes/no...

Are laboratory numbers assigned to all incoming samples (including QC samples)?

yes/no...

Does the laboratory maintain a master schedule of all samples being analyzed, indexed by laboratory number, client, date of arrival, and analysis to be performed?

yes/no... Cover Sheet on samples, computer

Explain EAL log in procedures.

Samples logged w/ cover sheet
plastic bag written w/ log number
Chain of Custody ← using

ABD 001 1312

Is the laboratory number written on the sample label and any documents related to that sample?

yes/no... Number on Sample bag

Are the possession and handling of samples traceable from the time and date of collection to the date of analysis and reporting?

yes/no... Original COC and EAL paperwork accompany samples

Are the samples stored in a secure (under lock and key) area before, during and after analysis?

yes/no.. not in any special room,

Trace three samples through the laboratory;

Alliance ID#

EAL ID#

Date login

EAL Person

Date Analysis

Sign out date

EAL Person

Sign In Date No Sample bank

EAL Person

Sample location (presently) box on floor in log in

Sample secure? No

5. Data handling, reporting and recordkeeping.

Does the laboratory have written procedures for data handling and reporting, including the recording of data on standard reporting forms and laboratory notebooks?

yes/no.. Computer generated data processing

Location of procedures...

ABD 001 1313

Does every analyst have access?

yes/no...How?..

Are bound laboratory notebooks being used?

(yes)/no... Project laboratory notebooks

Are laboratory notebooks, calculations, and other data written, checked and signed by another analyst and verified by a supervisor?

(yes)/no.. For this project Ernie Sigas off

Is raw data being archived? yes/no...If yes, explain procedure...

photocopied, all records

Are records available for review?

(yes)/no...

6. Analytical Procedures and QC Frequency

PLM

Calibration Procedure... Computer generated checklist

Calibration Frequency... Daily

Duplicate/replicate frequency... 10%

Duplicate/replicate control limits.... No formal control limit

Does the same Analyst or different analyst perform duplicate/replicate analysis? What is the frequency of different analyst confirmation?

Same analyst, Blanks are also performed

Are "Known" samples run frequently?

(yes)/no...Frequency... (dispersion stains)

Slides are labeled.

ABD 001 1314

What procedures are performed to insure that the data reported are valid?

Blanks, Duplicate Analyses

TEM

Calibration Procedure... objective lens, mag. check - weekly
Alignment of electron beam ← daily camera -

Calibration Frequency... daily

Duplicate/replicate frequency... NIST-10% QA, 1 per day /

Duplicate/replicate control limits....

Does the same Analyst or different analyst perform duplicate/replicate analysis? What is the frequency of different analyst confirmation?

For our project a different analyst ~~w~~ performs rep/dup at 1 in 10.

Are "Known" samples run frequently?

(yes)/no...Frequency... not frequently, Knowns are used in training and refreshers

What procedures are performed to insure that the data reported are valid?

Duplicate Analyses

PCM

Calibration Procedure... Computer generated check list

ABD 001 1315

Calibration Frequency... Daily

Duplicate/replicate frequency... 10%

Duplicate/replicate control limits.... No.

Does the same Analyst or different analyst perform duplicate/replicate analysis? What is the frequency of different analyst confirmation?

Are "Known" samples run frequently?

yes/no...Frequency... daily Pat sample (random

What procedures are performed to insure that the data reported are valid?

Notes:

NYDOH ELAP bolk 9/7/90 PCM

9/7/90 PLM

ABD 001 1316

United States Department of Commerce
National Institute of Standards and Technology

NVLAP

Certificate of Accreditation

EASTERN ANALYTICAL LABORATORIES, INC.
N. BILLERICA, MA

is recognized under the National Voluntary Laboratory Accreditation Program for satisfactory compliance with criteria established in Title 15, Part 7 Code of Federal Regulations. Accreditation is awarded for specific services, listed on the Scope of Accreditation, for:

AIRBORNE ASBESTOS FIBER ANALYSIS

July 1, 1991
Effective until

DEPARTMENT OF COMMERCE • UNITED STATES OF AMERICA

Nancy M. Dahey
For the National Institute of Standards and Technology

ABD 001 1317

The Commonwealth of Massachuset

Executive Office of Labor

Department of Labor and Industries

Division of Industrial Safety

Leverett Saltonstall Building, Government Center

100 Cambridge Street, Boston 02202

E Q B M C A A S

Revised May 1, 1990

EASTERN ANALYTICAL LABS, INC.
149 RANGEWAY ROAD
NORTH BILLERICA MA 01862

has been certified as an approved asbestos analytical service provider (certificate # AA 000009 in accordance with the provisions of Massachus General Laws, Chapter 149, Sections 6 - 6F and 453 CMR 6.08. Under th certification the above named entity is authorized to conduct asbestos analytical services in the following categories:

PHASE CONTRAST MICROSCOPY (PCM) - AIR SAMPLE
POLARIZED LIGHT MICROSCOPY (PLM) - BULK SAMPLE
SCANNING ELECTRON MICROSCOPY - AIR SAMPLE
SCANNING ELECTRON MICROSCOPY - BULK SAMPLE
TRANSMISSION ELECTRON MICROSCOPY - AIR SAMPLE
TRANSMISSION ELECTRON MICROSCOPY - BULK SAMPLE

This certification unless renewed will expire on 04/29/91

ABD 001 1318

THE COMMONWEALTH OF MASSACHUSETTS

Department of Labor and Industries

ASBESTOS ABATEMENT PROGRAM

CERTIFICATION FOR ANALYTICAL SERVICES

In accordance with 453 CMR 6.04

Certificate No. A A 000009

is issued by the Commissioner of the Department of Labor and Industries t

EASTERN ANALYTICAL LABS, INC.
149 RANGEWAY ROAD
NORTH BILLERICA MA 01862

for the purpose of providing analytical services as specified in Form CAAS

This license is valid for a period of one (1) year

and expires on 04/29/91 .

James F. Snow, Commissioner

20-036

ABD 001 1319

CERTIFICATE
ASBESTOS CONTROL PROGAM
VERMONT DEPARTMENT OF HEALTH

19 89

NOT VALID UNLESS PROPERLY STAMPED ABOVE

I.D. CODE AAS-0289 CERTIFICATE NO: 10527

THIS IS TO AFFIRM THAT Eastern Analytical Labs, Inc.
LOCATED AT 149 Rangeway Road
N. Billerica, MA 01862

IS CERTIFIED AS A(N) Asbestos Analytical Service
UNDER 18 VSA CHAPTER 26
THIS CERTIFICATE SHALL BE IN FORCE FROM 08/01/89 TO 08/01/90 UNLESS REVOKED BEFORE THAT TIME.
SPECIAL PROVISIONS:

BULK SAMPLES TO BE ANALYZED BY METHOD(S) PLM, SEM, TEM.
AIR SAMPLES TO BE ANALYZED BY METHOD(S) PCM, SEM, TEM.

THIS CERTIFICATE IS NOT TRANSFERABLE AND IS VALID ONLY FOR PARTY STATED ABOVE.

State of Connecticut, Department of Health Services

APPROVED PUBLIC HEALTH LABORATORY

This is to certify that the laboratory described below has been approved by the State Department of Health pursuant to applicable provisions of the Public Health Code and General Statutes of Connecticut, for making the examinations, determinations, or tests specified below which have been authorized in writing by that Department.

EASTERN ANALYTICAL LABORATORIES, INC.

Name of Laboratory

Located at 149 Rangeway Road *in* N. Billerica, MA 01862 *and registered in the name of* Robert L. MacDonald

This certificate is issued in the name of Drew Killius *who has been designated by the registrant to be in charge of the laboratory work covered by this certificate of approval as follows:*

Asbestos Examination for:

Air Fiber Counting
Bulk Examination

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

This certificate expires June 30, *1992 and is revocable for cause by the State Department of Health.*

Dated at Hartford, Connecticut, this 16th *day of* May, *1990*

Jesse A. Tucker
Chief, Bureau of Laboratories

Earl R. Thompson Jr. M.S.
Division Director, Laboratory Standards

ABD 001 1321

National Institute of Standards and Technology

NVLAP

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 1005

Eastern Analytical Laboratories, Inc.
149 Rangeway Road
Billerica, MA 01862
Robert L. MacDonald Phone: 617-272-5212

Accreditation Renewal Date: October 1, 1991

NVLAP Test Method Code	Test Method Designation
18/A01	40 Code of Federal Regulations Chapter I (1-1-87 edition) Part 763, Subpart F, Appendix A, pages 293-299 or the current U.S. Environmental Protection Agency method for the analysis of asbestos in building materials by polarized light microscopy.

ABD 001 1322

DEPARTMENT OF COMMERCE · UNITED STATES OF AMERICA

Nancy M. Trahey

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology

NVLAP

Certificate of Accreditation

EASTERN ANALYTICAL LABORATORIES, INC.
BILLERICA, MA

is recognized under the National Voluntary Laboratory Accreditation Program for satisfactory compliance with criteria established in Title 15, Part 7 Code of Federal Regulations. Accreditation is awarded for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

October 1, 1991
Effective until

DEPARTMENT OF COMMERCE • UNITED STATES OF AMERICA

Nancy M. Dakey
For the National Institute of Standards and Technology

ABD 001 1323

AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

Eastern Analytical Laboratories
Industrial Hygiene Laboratory
N. Billerica, Massachusetts

has fulfilled AIHA criteria for
Industrial Hygiene Laboratory Accreditation
since September 1, 1987
This accreditation shall be effective until
the 1st day of September, 1990
subject to continued compliance with
AIHA accreditation criteria.

Ray C. Abel
Chairman
Laboratory Accreditation
Committee

Emil Christofano
President
American Industrial Hygiene
Association

343
Accreditation Number

November 23, 1987
Date

ABD 001 1324

AMERICAN
INDUSTRIAL
HYGIENE
ASSOCIATION P.O. Box 8390 • 345 White Pond Dr. • Akron, OH 44320 • TEL. (216) 873-AIHA (2442) • FAX (216) 873-1642

September 12, 1990

MR DREW KILLIUS
EASTERN ANALYTICAL LABORATORIES
149 RANGEWAY ROAD
N. BILLERICA, MA 01862

Dear Mr. Killius:

Unfortunately, it has taken longer to complete the reaccreditation process than was normally allotted. However, although your certificate has expired, your laboratory is still accredited.

If we can be of any further assistance, please be sure to contact us.

Sincerely,

Nadine Lawriw

Nadine Lawriw
Coordinator Laboratory Accreditation

ABD 001 1325

CERTIFICATION

Rhode Island Department of Health

Division of Occupational and Radiological Health

Pursuant to the Asbestos Abatement Act, Chapter 24.5 of Title 23 of the General Laws entitl "Health and Safety" as amended, and the Rules and Regulations for Asbestos Control, th Certificate is hereby issued as designated below. This Certificate is subject to all applica rules, regulations, orders and notices of the Department of Health now or hereafter in effe and to any conditions specified below.

Certificate Holder

1. Eastern Analytical Laboratories, Inc.

2. 149 Rangeway Road; Billerica, MA 01862

3. Certificate No.: AAL-013C3
   Amendment No.: 03-Renewal

4. Expiration Date: 30 November 1990

5. Type of Certification: Asbestos Analytical Service

---

6. Services/Conditions:

   A. Analysis of bulk samples for type and percentage of asbestos via Polarize Light Microscopy.

   B. Analysis of air samples for asbestos via Phase Contrast Microscopy.

   C. Analytical results may only be certified by: Drew Killius, Qiong Li, Robert L. MacDonald, William K. Barnett or Edward J. Barry.

   D. Except as specifically provided otherwise in this Certificate, Certificat Holders shall conduct their program in accordance with statements, procedure and representations contained in the documents, including any enclosures, listed below. The Rhode Island Rules and Regulations for Asbestos Contro shall govern unless the statements, representations and procedures in th Certificate Holder's application and correspondence are more restrictive tha the regulations.

      1) Renewal application dated 1 November 1989.
      2) Additional information dated 9 November 1989.

ABD 001 1326

For the Rhode Island Department of Health

Date: 15 NOVEMBER 1989

by [signature]

FORM ASB-8 (10/88) REPLACES FORM ASB-8 (3/86) WHICH IS OBSOLETE

Lab ID: 10800 Eastern Analytical Labs

Issued on 20-AUG-1990 expires 1-APR-1991 page 1 of 1

Non - Potable Water

Wastewater Miscellaneous Analytes

Asbestos

ABD 001 1327

PROPERTY OF

NEW YORK STATE DEPARTMENT OF HEALTH

DAVID AXELROD, M.D. *COMMISSIONER*

Expires 12:01 AM April 1, 1991
ISSUED April 1, 1990
REVISED August 21, 1990

INTERIM

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

(Issued in accordance with the Laws of New York State)
pursuant to Section 502 of the Public Health Law

Laboratory ID. Number 10838

Director: Mr. Drew R Killius

Laboratory Name: Eastern Analytical Labs
Number & Street: 149 Rangeway Road
City,State,Zip : N. Billerica MA 01862

VALID AT THIS ADDRESS ONLY

is hereby APPROVED as an Environmental Laboratory for the category

NON-POTABLE WATER

All approved subcategories and analytes are listed on the attached addendum

Herbert W. Dickerman, M.D., Ph.D.
Director
Wadsworth Center for Laboratories and Research

ABD 001 1328

FORM LR 60..

7205

PROPERTY OF

NEW YORK STATE DEPARTMENT OF HEALTH

DAVID AXELROD, M.D. *COMMISSIONER*

...nd Research

Expires 12:01 AM April
ISSUED April 1, 1990
REVISED August 21, 1990

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VALID AT THIS ADDRESS ONLY

is hereby APPROVED as an Environmental Laboratory for the category

ENVIRONMENTAL ANALYSES/AIR AND EMISSIONS

All approved subcategories and/or analytes are listed below:

ellaneous Air :
Asbestos
Fibers

Herbert W. Dickerman, M.D., Ph.D.
Director
Wadsworth Center for Laboratories and Research

FORM LR 23.F

ABD 001 1329

7225

PROPERTY OF

NEW YORK STATE DEPARTMENT OF HEALTH

DAVID AXELROD, M.D. *COMMISSIONER*

Expires 12:01 AM April 1, 1991
ISSUED April 1, 1990

REVISED August 21, 1990

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Director: Mr. Drew Killius

Laboratory Name: Eastern Analytical Labs
Number & Street: 149 Kangeway Road
City,State,Zip : N. Billerica MA 01862
VALID AT THIS ADDRESS ONLY

is hereby APPROVED as an Environmental Laboratory for the category

ENVIRONMENTAL ANALYSES/SOLID AND HAZARDOUS WASTE

All approved subcategories and/or analytes are listed below:

Miscellaneous :
Asbestos

ABD 001 1330

Herbert W. Dickerman, M.D., Ph.D.
Director
Wadsworth Center for Laboratories and Research

FORM LR 23.F

7214