36770

FINAL REPORT
FIELD SAMPLING AND ANALYSIS AT THE NEW VERNON 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 0054

APPENDIX A

LAB DATA SHEETS

ABD 001 0055

ALLIANCE Technologies Corporation

THIS PAGE INTENTIONALLY BLANK

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
NV-N1300E600-11/5-6	13268.01	0.000448 %
NV-N1300E600-11/5-6D	13268.01D	0.000000 %
NVR-N1100E350-11/5-6	13268.02	0.000000 %
NVR-N1100E350-11/5-6D	13268.02D	0.000000 %
NV-N750E300-11/5-6B	13268.03	0.000000 %
NV-N750E450-11/5-6	13268.04	0.000000 %
NV-N750E300-11/5-6A	13268.05	0.000000 %
NV-N800E250-11/5-6	13268.06	0.007253 %
NV-N800E362-11/5-6	13268.07	0.000000 %
NV-N900E250-11/5-6	13268.08	0.001381 %
NV-N900E300-11/5-6	13268.09	0.002970 %
NV-N900E350-11/5-6A	13268.10	0.000364 %
NV-N900E350-11/5-6B	13268.11	0.004047 %
NV-N900E450-11/5-6	13268.12	0.000917 %
NV-N900E600-11/5-6	13268.13	0.000000 %
NV-N1000E250-11/5-6	13268.14	0.000938 %
NV-N1000E300-11/5-6	13268.15	0.003281 %
NVR-N1000E350-11/5-6	13268.16	0.005827 %

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

ABD 001 0057

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
NVR-N1000E450-11/5-6	13268.17	0.000000 %
NV-N1000E600-11/5-6	13268.18	0.013651 %
NV-N1000E700-11/5-6	13268.19	0.000000 %
NV-N1095E300-11/5-6	13268.20	0.030189 %
NV-N1100E250-11/5-6A	13268.21	0.001021 %
NV-N1100E300-11/5-6	13268.22	0.002288 %
NV-N1100E600-11/5-6	13268.23	0.288803 %
NV-N1150E500-11/5-6	13268.24	0.000000 %
NV-N1200E600-11/5-6	13268.25	0.000244 %
NV-N1250E500-11/5-6	13268.26	0.000000 %
13268CONTROL-EAL	13268.CONT	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. Bobb DATE 11.13.90

ABD 001 0058

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
NV-N700E900-11/6-6	13280.02	0.000000 %
NV-N900E1000-11/6-6	13280.03	0.000000 %
NV-N900E1000-11/6-6D	13280.03D	0.000000 %
NV-N700E800-11/6-6	13280.04	0.000000 %
NV-N700E700-11/6-6	13280.05	0.000000 %
NV-N1000E900-11/6-6	13280.06	0.000235 %
NV-N800E900-11/6-6	13280.07	0.000000 %
NV-N900E800-11/6-6	13280.08	0.000000 %
NV-N900E900-11/6-6	13280.09	0.000000 %
NV-N822E600-11/6-6	13280.10	0.000000 %
NV-N1000E1000-11/6-6	13280.11	0.000190 %
NV-N1250E350-11/6-6	13280.13	0.000000 %
NV-N1200E800-11/6-6	13280.14	1.087940 %
NV-N1000E800-11/6-6	13280.16	0.000000 %
NV-N1350E400-11/6-6	13280.17	0.000000 %
NV-N1300E300-11/6-6	13280.18	0.000000 %
NV-N1300E300-11/6-6D	13280.18D	0.000000 %
NV-N1440E300-11/6-6	13280.19	0.088587 %

RESPECTFULLY SUBMITTED Ernest T. Dobry DATE 11.17.90

ABD 001 0059

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
NV-N900E700-11/6-6B	13280.20	0.000000 %
NV-N900E700-11/6-6A	13280.21	0.000000 %
NV-N1420E450-11/6-6	13280.22	0.000414 %
NV-N1250E400-11/6-6	13280.23	0.000481 %
NV-N800E800-11/6-6	13280.24	0.000358 %
NV-N800E700-11/6-6	13280.25	0.000000 %
NV-N1425E400-11/6-6	13280.26	0.003126 %
NV-N1300E350-11/6-6	13280.27	0.000000 %
NV-N1300E350-11/6-6D	13280.27D	0.000000 %
EAL13280CONTROL	13280.CONT	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. [illegible] DATE 11.17.90

ABD 001 0060

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
NV-N500E1200-11/7-6	13305.07	0.000000 %
NV-N500E1300-11/7-6	13305.08	0.000000 %
NV-N600E1100-11/7-6	13305.09	0.000000 %
NV-N600E1200-11/7-6	13305.10	0.000000 %
NV-N700E1000-11/7-6	13305.11	0.000000 %
NV-N700E1100-11/7-6	13305.12	0.000000 %
NV-N700E1200-11/7-6	13305.13	0.000000 %
NV-N800E1000-11/7-6	13305.14	0.000000 %
NV-N800E1000-11/7-6	13305.14D	0.000000 %
NV-N800E1100-11/7-6A	13305.15	0.000000 %
NV-N800E1100-11/7-6B	13305.16	0.000000 %
NV-N800E1200-11/7-6	13305.17	0.000000 %
NV-N800E1300-11/7-6	13305.18	0.000000 %
NV-N900E1100-11/7-6	13305.19	0.000000 %
NV-N900E1200-11/7-6A	13305.20	0.000000 %
NV-N900E1200-11/7-6B	13305.21	0.000000 %
NV-N900E1300-11/7-6	13305.22	0.000000 %
NV-N900E1300-11/7-6D	13305.22D	0.000858 %

RESPECTFULLY SUBMITTED Ernest T. Dolci DATE 11.20.90

ABD 001 0061

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
NV-N1000E1100-11/7-6	13305.23	0.421462 %
NV-N1000E1275-11/7-6	13305.24	0.348931 %
NV-N1100E1250-11/7-6	13305.25	0.002542 %
NV-N1150E450-11/7-6	13305.26	0.032446 %
NV-1190E465-11/7-6	13305.27	0.000000 %
NV-N1200E1200-11/7-6	13305.30	0.002410 %
NV-N1200E1200-11/7-6D	13305.30D	0.000000 %
NV-N1200E1292-11/7-6	13305.31	0.000000 %
NV-N1250E390-11/7-6	13305.33	0.000000 %
NV-N1250E450-11/7-6	13305.34	0.000000 %
NV-N1300E300-11/7-6	13305.35	0.000000 %
NV-N1300E400-11/7-6	13305.36	0.017067 %
NV-N1300E462-11/7-6	13305.37	0.000127 %
NV-N1300E1100-11/7-6	13305.38	0.000000 %
NV-N1300E1200-11/7-6	13305.39	0.000209 %
NV-N1300E1300-11/7-6	13305.40	0.000000 %
NV-N1327E379-11/7-6	13305.41	0.000000 %
NV-N1338E350-11/7-6	13305.42	0.000000 %
NV-N1350E300-11/7-6	13305.43	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. Doty DATE 11.20.98

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
NV-N1350E466-11/7-6	13305.44	0.000000 %
NV-N1352E1300-11/7-6	13305.45	0.000000 %
NV-N1375E1100-11/7-6	13305.46	0.000000 %
NV-N1375E1200-11/7-6	13305.47	0.000000 %
NV-N1400E341-11/7-6	13305.48	0.000741 %
NV-N1400E419-11/7-6	13305.49	0.000000 %
NV-N1400E1000-11/7-6	13305.50	0.000000 %
NV-N1410E510-11/7-6	13305.51	0.013299 %
NV-N1445E695-11/7-6	13305.53	0.000000 %
NV-N1445E695-11/7-6D	13305.53D	0.000000 %
NV-N1450E600-11/7-6	13305.54	0.000000 %
NV-N1450E600-11/7-6D	13305.54D	0.000000 %
EAL13305CONTROL	13305.CONT	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. Pari DATE 11.20.90

ABD 001 0063

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
NV-N700E1400-11/8-6	13306.08	0.000000 %
NV-N700E1400-11/8-6D	13306.08D	0.000000 %
NV-N800E1400-11/8-6	13306.09	0.000000 %
NV-N800E1450-11/8-6	13306.10	0.000000 %
NV-N950E1450-11/8-6	13306.11	0.000000 %
NV-N1000E1500-11/8-6	13306.13	0.000000 %
NV-N1050E1550-11/8-6	13306.16	0.000000 %
NV-N1100E1500-11/8-6	13306.17	0.000000 %
NV-N1150E1550-11/8-6	13306.18	0.001233 %
NV-N1200E207-11/8-6A	13306.21	0.016912 %
NV-N1200E207-11/8-6B	13306.22	0.001853 %
NV-N1250E208-11/8-6	13306.24	0.000000 %
NV-N1250E225-11/8-6	13306.25	0.002724 %
NV-N1250E1550-11/8-6	13306.27	0.000000 %
NV-N1300E206-11/8-6	13306.28	0.000770 %
NV-N1300E225-11/8-6	13306.29	0.001820 %
NV-N1300E250-11/8-6	13306.30	0.000000 %
NV-N1300E1500-11/8-6	13306.31	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. Bolin DATE 11.21.90

ABD 001 0064

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
NV-N1300E1550-11/8-6	13306.32	0.000000 %
NV-N1300E1600-11/8-6	13306.33	0.000000 %
NV-N1350E210-11/8-6	13306.34	0.003250 %
NV-N1350E225-11/8-6	13306.35	0.003841 %
NV-N1400E225-11/8-6	13306.37	0.000471 %
NV-N1400E250-11/8-6	13306.38	0.001234 %
NV-N1415E231-11/8-6	13306.39	0.002298 %
NV-N1100E1500-11/8-6D	13306.17D	0.000000 %
EAL13306CONTROL	13306.CONT	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. Dolm DATE 11/21/90

ABD 001 0065

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
NV-N1062E429-11/9-6	13320.08	0.000471 %
NV-N1150E235-11/9-6	13320.09	0.000000 %
NV-N1062E429-11/9-6D	13320.08D	0.000000 %
NV-N1150E250-11/9-6	13320.10	0.000000 %
NV-N1063E300-11/9-6	13320.12	0.000000 %
NV-N1021E395-11/9-6	13320.13	0.000000 %
NV-N900E550-11/9-6	13320.16	0.001201 %
EAL13320CONTROL	13320.CONT	0.000000 %

RESPECTFULLY SUBMITTED Ernest T, [illegible] DATE 11.26.90

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
NV-N900E500-11/13-6	13345.06	0.000598 %
NV-N900E500-11/13-6D	13345.06D	0.000000 %
NV-N1200E225-11/13-6	13345.07	0.013128 %
NV-N1300E327-11/13-6	13345.10	0.000000 %
EAL13345CONTROL	13345.CONT	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. Dzbij DATE 11/27/90

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
N700E800-11/6-18"	13509.01	0.000000 %
N800E900-11/6-18"	13509.02	0.000000 %
N800E1100-11/7-18A	13509.03	0.000000 %
N900E250-11/5-18	13509.04	0.000000 %
N900E350-11/5-18A	13509.05	0.000000 %
N900E800-11/6-18	13509.06	0.000000 %
N900E1200-11/7-18A	13509.07	0.000000 %
N950E300-11/6-18	13509.08	0.000000 %
N950E400-11/6-18	13509.09	0.000000 %
N1000E250 -11/5-18	13509.10	0.000000 %
N1000E250-11/5-18D	13509.10d	0.000000 %
N1000E350-11/5-18	13509.11	0.000000 %
N1000E450-11/5-18	13509.12	0.000000 %
N1000E600-11/5-18	13509.13	1.052410 %
N1037E550-11/8-18A	13509.14	1.048996 %

RESPECTFULLY SUBMITTED Ernest T. Dolj DATE 12/17/90

ABD 001 0068

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
N1050E300-11/6-18	13509.15	0.000000 %
N1062E429-11/9-24	13509.16	0.000000 %
N1100E250-11/5-18A	13509.17	0.000196 %
N1100E560-11/9-24	13509.18	0.335926 %
N1100E700-11/9-24A	13509.19	0.000000 %
N1100E1500-11/8-18	13509.20	0.000000 %
N1100E1500-11/8-18D	13509.20d	0.000000 %
N1140E358-11/6-18	13509.21	0.099888 %
N1150E207-11/6-18A	13509.22	0.011450 %
N1150E300-11/6-18	13509.23	0.010848 %
N1150E700-11/12-24	13509.24	0.000000 %
N1173E322-11/8-72	13509.25	0.000000 %
N1190E465-11/7-24	13509.26	0.000351 %
N1200E207-11/8-18A	13509.27	0.000000 %
N1200E293-11/7-72	13509.28	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. Doty DATE 12/17/91

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
N1250E225-11/8-24	13509.29	0.000974 %
N1250E300-11/7-24	13509.30	0.053087 %
N1250E300-11/7-24 D	13509.30d	0.000146 %
N1250E450-11/7-24	13509.31	0.000334 %
N1300E206-11/8-18	13509.32	0.000000 %
N1300E400-11/7-48	13509.33	0.000000 %
N1300E1200-11/7-18	13509.34	0.000000 %
N1327E379-11/7-24	13509.35	0.001345 %
N1350E466-11/7-24	13509.36	0.000000 %
N1400E225-11/8-24	13509.37	0.000000 %
N1400E341-11/7-24	13509.38	0.000000 %
N1415E231-11/8-24	13509.39	0.001940 %
	13509.CONT A	0.000000 %
	13509.CONT B	0.000000 %
	13509.LB	0.000000 %

RESPECTFULLY SUBMITTED Ernest T. Dolan DATE 12/17/93

ABD 001 0070

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N500E1100-11/7-6 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: 11.19.90

ABD 001 0071

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N500E1100-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.09

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! >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 0072

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N500E1200-11/7-6 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 0073

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N500E1200-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.07

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	LEN >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q2

PLATE#:
COMMENTS:

ABD 001 0074

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N500E1300-11/7-6 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: 11.19.90

ABD 001 0075

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N500E1300-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.08

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 >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 0076

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N600E1200-11/7-6 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: 11.19.90

ABD 001 0077

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N600E1200-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.10

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. >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 0078

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N700E700-11/6-6 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. [illegible] DATE: 11/14/90

ABD 001 0079

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N700E700-11/6-6 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: 11-14-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.05

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-V6											
1	1	M	1.2	.1	0	.1	NA	NP	0	0- 1- 10- 0- 0	

PLATE#:
COMMENTS:AL-SILICATES PRESENT.

ABD 001 0080

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N700E800-11/6-6 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. Boby DATE: 11/14/90

ABD 001 0081

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N700E800-11/6-6 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: 11-14-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.04

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-I2											
1	1	M	4.4	.22	0	.15	NA	ST	0		

PLATE#:
COMMENTS:ONE TI FIBER.

ABD 001 0082

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N700E800-11/6-18 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. Daly DATE: 12/13/90

ABD 001 0083

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N700E800-11/6-18 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: 12-12-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.01

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-V4

PLATE#:
COMMENTS:

ABD 001 0084

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N700E900-11/6-6 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. Abi DATE: 11.14.90

ABD 001 0085

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N700E900-11/6-6 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: 11-14-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.02

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

BEGIN GRID OPENING NO. 1 LOCATED: 1-X6

PLATE#:
COMMENTS:

ABD 001 0086

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N700E1000-11/7-6 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: 11.19.90

ABD 001 0087

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N700E1000-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.11

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 >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 0088

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N700E1100-11/7-6 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: 11.19.90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N700E1100-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.12

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	LEN >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 0090

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N700E1200-11/7-6 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: 11.19.90

ABD 001 0091

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N700E1200-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.13

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 >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 0092

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N700E1400-11/8-6 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: 11/20/90

ABD 001 0093

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N700E1400-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.08

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-N5

PLATE#:
COMMENTS:

ABD 001 0094

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N700E1400-11/8-6 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: Qiang Li DATE: 11.21.90

ABD 001 0095

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N700E1400-11/8-6 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: 11-21-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.08 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 >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 0096

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N750E300-11/5-6A 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= 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: 11/12/90

ABD 001 0097

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N750E300-11/5-6A 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.05

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-X2											
1	1	F	1	.1	10	0	NA	NP	0	0- 2- 10- 0- 3	

PLATE#:
COMMENTS:A FEW MG-AL SILICATES.

ABD 001 0098

EASTERN ANALYTICAL LABORATORIES INC.

ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N750E300-11/5-6B 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. [illegible] DATE: 11/12/90

ABD 001 0099

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N750E300-11/5-6B 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.03

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-X6

PLATE#:
COMMENTS:TI FIBERS PRESENT.

ABD 001 0100

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N750E450-11/5-6 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. Dolin DATE: 11/12/90

ABD 001 0101

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N750E450-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.04

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-I2

PLATE#:
COMMENTS:

ABD 001 0102

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E250-11/5-6 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= .12 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= 24.96 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. Bobj DATE: 11/12/90

ABD 001 0103

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E250-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.06

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	LI
BEGIN GRID OPENING NO. 1 LOCATED: 1-P1											
1	1	M	8	.12	0	.1	CH	FV	.2496	0- 8- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 0104

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E362-11/5-6 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. Bobyj DATE: 11/2/90

ABD 001 0105

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E362-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.07

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-K5

PLATE#:
COMMENTS:

ABD 001 0106

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E700-11/6-6 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: 11/17/90

ABD 001 0107

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E700-11/6-6 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: 11-17-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.25

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-Q5

PLATE#:
COMMENTS:

ABD 001 0108

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E800-11/6-6 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

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. [illegible] DATE: 11.17.90

ABD 001 0109

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E800-11/6-6 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: 11-17-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.24

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-R5											
1	1	M	.5	.1	0	.1	CH	FV	.013		

PLATE#:
COMMENTS:

ABD 001 0110

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E900-11/6-6 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: 11/14/90

ABD 001 0111

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E900-11/6-6 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: 11-14-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.07

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: 1-3.2

PLATE#:
COMMENTS:

ABD 001 0112

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E900-11/6-18 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. Bibi DATE: 12/13/90

ABD 001 0113

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E900-11/6-18 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: 12-12-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.02

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-I5

PLATE#:
COMMENTS:

ABD 001 0114

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E1000-11/7-6 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 0115

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E1000-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.14

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 >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 0116

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-NB00E1000-11/7-6D 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: 11/19/90

ABD 001 0117

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E1000-11/7-6D 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.14D

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-Q2

PLATE#:
COMMENTS:

ABD 001 0118

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E1100-11/7-6A 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: 11.19.90

ABD 001 0119

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E1100-11/7-6A 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.15

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 >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 0120

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E1100-11/7-6B 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 0121

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E1100-11/7-6B 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.16

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. >=5

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: NV-N800E1100-11/7-18A 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. Daly DATE: 12/13/90

ABD 001 0123

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E1100-11/7-18A 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: 12-12-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.03

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-N5

PLATE#:
COMMENTS:

ABD 001 0124

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV N800E1200-11/7-6 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: 11.19.90

ABD 001 0125

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV N800E1200-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.17

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 >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 0126

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E1300-11/7-6 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: 11.19.90

ABD 001 0127

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E1300-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.18

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 >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 0128

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E1400-11/8-6 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. Abby DATE: 11/20/90

ABD 001 0129

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E1400-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.09

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:

ABD 001 0130

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E1450-11/8-6 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: 11/20/90

ABD 001 0131

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N800E1450-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.10

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-X2

PLATE#:
COMMENTS:

ABD 001 0132

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N822E600-11/6-6 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 0133

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: 11/14/90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N822E600-11/6-6 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: 11-14-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.10

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-R5

PLATE#:
COMMENTS:

ABD 001 0134

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E250-11/5-6 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 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1 MICRONS (ALL STRUCTURES)
MEAN THICKNESS= .1 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= 5.2 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. Bobj DATE: 11/12/90

ABD 001 0135

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E250-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.08

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

GRID 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-N5											
1	1	M	1.1	.1	0	.1	CH	FV	.0286	0- 8- 10- 2- 2	
1	2	M	.9	.1	0	.1	CH	FV	.0234		

PLATE#:
COMMENTS:

ABD 001 0136

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E250-11/5-18 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 MILLIMETE
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MI

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/13/90

ABD 001 0137

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E250-11/5-18 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: 12-12-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.04

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.	CBJ 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

PLATE#:
COMMENTS:

ABD 001 0138

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E300-11/5-6 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= .15 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= 10.8 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. Lebi DATE: 11/22/90

ABD 001 0139

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E300-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.09

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-U5											
1	1	M	1.2	.2	0	.15	AM	FV	.108	0- 2- 10- 1- 8	

PLATE#:
COMMENTS:AMOSITE

ABD 001 0140

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E350-11/5-6A 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= .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 0141

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. Dobij DATE: 11/12/90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E350-11/5-6A 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.10

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-N6											
1	1	M	.5	.1	0	.1	CH	FV	.013	0- 8- 10- 1- 1	

PLATE#:
COMMENTS:

ABD 001 0142

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E350-11/5-6B 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= 500 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.26 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .102 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .092 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= 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= 1

E) DETECTION LIMIT : 0 STRUCTURES/CUBIC CENTMETER

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 14.716 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 500 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. Dobi DATE: 11/12/90

ABD 001 0143

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E350-11/5-6B 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.11

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-J1											
1	1	F	1	.15	6.7	0	NA	ST	0		
1	2	M	.5	.12	0	.1	CH	FV	.0156		
1	3	M	1	.1	0	.1	CH	ST	.026	0- 8- 10- 1- 2	
1	4	M	2.1	.12	0	.1	CH	ST	6.551999E-02	0- 7- 10- 1- 2	
1	5	M	2	.07	0	.06	CH	FV	.02184	0- 7- 10- 2- 2	
1	6	M	.7	.1	0	.1	CH	FV	.0182		

PLATE#: 562
COMMENTS:

ABD 001 0144

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E350-11/5-18A 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: 12/13/9

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E350-11/5-18A 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: 12-12-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.05

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-P3

PLATE#:
COMMENTS:

ABD 001 0146

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E450-11/5-6 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= 1.5 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= 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= 3.276 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. Abi DATE: 11/12/90

ABD 001 0147

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E450-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.12

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-Y6											
1	1	M	1	.07	0	.06	CH	FV	.01092	0- 8- 10- 2- 2	
1	2	M	2	.07	0	.06	CH	FV	.02184	0- 7- 10- 1- 2	

PLATE#:
COMMENTS:

ABD 001 0148

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E500-11/13-6 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= 1.05 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .065 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .055 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 0149

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1.9812 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. Dobj DATE: 11/26/90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E500-11/13-6 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: 11-26-1990 EAL JOB NO:13345
EAL SAMPLE NO: 13345.06

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	L >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-X5											
1	1	M	1.1	.07	0	.06	CH	FV	.012012	0- 8- 10- 1- 2	
1	2	M	1	.06	0	.05	CH	FV	.0078	0- 6- 10- 0- 1	

PLATE#:
COMMENTS:

ABD 001 0150

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-900E500-11/13-6 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): 99.0099 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qiong Li DATE: 11.26.90

ABD 001 0151

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-900E500-11/13-6 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: .0101 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 11-26-1990 EAL JOB NO:13345
EAL SAMPLE NO: 13345.06 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	LEI >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-H6

PLATE#:
COMMENTS:

ABD 001 0152

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E550-11/9-6 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= .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= 3.9 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. Abij DATE: 11/26/90

ABD 001 0153

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E550-11/9-6 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: 11-26-1990 EAL JOB NO:13320
EAL SAMPLE NO: 13320.16

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-N5											
1	1	M	1.5	.1	0	.1	CH	FV	.039	0- 8- 10- 1- 1	

PLATE#:
COMMENTS:

ABD 001 0154

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E600-11/5-6 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. Zolj DATE: 11/12/90

ABD 001 0155

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E600-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.13

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-Q1											
1	1	F	2	.15	13.3	0	NA	NP	0	0- 1- 10- 0- 0	

PLATE#:
COMMENTS:

ABD 001 0156

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E700-11/6-6A 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= 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 R. Blow DATE: 11/17/90

ABD 001 0157

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E700-11/6-6A 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: 11-17-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.21

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-Y1											
1	1	F	3	.2	15	0	NA	ST	0		

PLATE#:
COMMENTS:A FEW TI FIBERS.

ABD 001 0158

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E700-11/6-6B 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. [illegible] DATE: 11/5/90

ABD 001 0159

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E700-11/6-6B 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: 11-15-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.20

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

BEGIN GRID OPENING NO. 1 LOCATED: 1-J5

PLATE#:
COMMENTS:

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E800-11/6-6 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: 11/14/90

ABD 001 0161

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E800-11/6-6 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: 11-14-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.08

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-V1

PLATE#:
COMMENTS:

ABD 001 0162

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E800-11/6-18 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: 12/13/90

ABD 001 0163

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E800-11/6-18 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: 12-12-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.06

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-P3

PLATE#:
COMMENTS:

ABD 001 0164

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E900-11/6-6 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: 11.14.90

ABD 001 0165

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E900-11/6-6 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: 11-14-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.09

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

PLATE#:
COMMENTS:

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E1000-11/6-6 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: 11,14,90

ABD 001 0167

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E1000-11/6-6 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: 11-14-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.03

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-V6

PLATE#:
COMMENTS:A FEW TI FIBERS.

ABD 001 0168

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

CLIENT: ALLIANCE TECH CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E1000-11/6-6 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: 11.15.90

ABD 001 0169

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

CLIENT: ALLIANCE TECH CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E1000-11/6-6 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: 11-14-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.03 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 >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-J5

PLATE#:
COMMENTS:

ABD 001 0170

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E1100-11/7-6 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: 11.19.90

ABD 001 0171

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E1100-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.19

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 >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 0172

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E1200-11/7-6A 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: 11.19.90

ABD 001 0173

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E1200-11/7-6A 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.20

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 >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 0174

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E1200-11/7-6B 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: 11.19.90

ABD 001 0175

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E1200-11/7-6B 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.21

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 >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 0176

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E1200-11/7-18A 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: 12/13/90

ABD 001 0177

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E1200-11/7-18A 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: 12-12-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.07

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: 1-4.2

PLATE#:
COMMENTS:

ABD 001 0178

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E1300-11/7-6 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: 11.19.90

ABD 001 0179

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E1300-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.22

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 >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 0180

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E1300-11/7-6D 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= .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= 3.12 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: 11/20/90

ABD 001 0181

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N900E1300-11/7-6D 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.22D

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
BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1										
1	1	M	1.2	.1	0	.1	CH	FV	.0312	0- 7- 10- 1- 0

PLATE#:
COMMENTS:

ABD 001 0182

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N950E300-11/6-18 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. Boby DATE: 12/16/90

ABD 001 0183

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N950E300-11/6-18 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: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.08

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	L >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-K3

PLATE#:
COMMENTS:

ABD 001 0184

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N950E400-11/6-18 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: 12/13/90

ABD 001 0185

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N950E400-11/6-18 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: 12-12-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.09

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-N5

PLATE#:
COMMENTS:

ABD 001 0186

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N950E1450-11/8-6 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. Bolj DATE: 11/20/90

ABD 001 0187

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N950E1450-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.11

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-X1

PLATE#:
COMMENTS:

ABD 001 0188

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E250-11/5-6 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= .875 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .095 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= 3.2292 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. Dobi DATE: 11/12/90

ABD 001 0189

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E250-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.14

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-Q1											
1	1	M	1.1	.07	0	.06	CH	FV	.012012	0- 7- 10- 1- 2	
1	2	M	.65	.12	0	.1	CH	FV	.02028	0- 8- 10- 2- 2	

PLATE#:
COMMENTS:

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E250-11/5-18 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: 12/10/90

ABD 001 0191

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E250-11/5-18 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: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.10

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	E >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q3

PLATE#:
COMMENTS:

ABD 001 0192

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E250 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): 94.42871 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qiong Li DATE: 12.14.9

ABD 001 0193

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E250 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): .01059
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01059 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 12-14-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509-10 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-N4

PLATE#:
COMMENTS:

ABD 001 0194

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E300-11/5-6 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= 2.2 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 8.000001E-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= 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

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 11.07761 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. Bobi DATE: 11/12/90

ABD 001 0195

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E300-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.15

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-Y1											
1	1	F	4	.08	50	0	CH	FV	5.227609E-02	0- 7- 10- 2- 2	
1	2	M	.5	.06	0	.05	CH	FV	.0039		
1	3	M	2.1	.1	0	.1	CH	ST	.0546	0- 8- 10- 2- 2	

PLATE#: 563
COMMENTS:

ABD .001 0196

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NVR-N1000E350-11/5-6 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= 2.083333 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 9.333333E-02 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .088 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= 1
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

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 25.34919 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. Dolan DATE: 11/12/90

ABD 001 0197

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NVR-N1000E350-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.16

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	L >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-R6											
1	1	M	3	.05	0	.04	CH	FV	.0156	0- 7- 10- 2- 2	
1	2	M	3.3	.12	0	.1	CH	FV	.10296	0- 8- 10- 1- 2	
1	3	M	1.1	.1	0	.1	CH	FV	.0286		
1	4	M	1.1	.12	0	.1	CH	FV	.03432	0- 7- 10- 2- 2	
1	5	F	2	.07	28.6	0	CH	FV	2.001194E-02		
1	6	M	2	.1	0	.1	CH	ST	.052	0- 8- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 0198

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E350-11/5-18 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. [illegible] DATE: 12/13/97

ABD 001 0199

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E350-11/5-18 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: 12-12-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.11

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-Q1											
1	1	M	3.5	.2	0	.15	NA	ST	0		

PLATE#:
COMMENTS:TI FIBER.

ABD 001 0200

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NVR-N1000-E450-11/5-6 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: 11/12/90

ABD 001 0201

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NVR-N1000-E450-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.17

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

BEGIN GRID OPENING NO. 1 LOCATED: 1-X2

PLATE#:
COMMENTS:

ABD 001 0202

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E450-11/5-18 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. Nolan DATE: 12/3/90

ABD 001 0203

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E450-11/5-18 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: 12-12-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.12

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-X5

PLATE#:
COMMENTS:

ABD 001 0204

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E600-11/5-6 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= 2.57 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .087 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= 10

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 10
NO.CHRYSOTILE FIBERS= 4
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

ABD .001 0205

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 52.29954 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. Bobi DATE: 11/12/90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E600-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.18

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
BEGIN GRID OPENING NO. 1 LOCATED: 1-R2										
1	1	F	.7	.1	7	0	CH	FV	1.429424E-02	
1	2	M	3	.08	0	.07	CH	FV	.04368	0- 7- 10- 2- 2
1	3	M	2.5	.1	0	.1	CH	ST	.065	
1	4	F	1.2	.1	12	0	CH	FV	2.450442E-02	
1	5	M	1.5	.08	0	.07	CH	FV	.02184	
1	6	F	1	.08	12.5	0	CH	FV	1.306902E-02	0- 7- 10- 2- 2
1	7	F	1.3	.07	18.6	0	CH	FV	1.300776E-02	
1	8	M	4	.1	0	.1	CH	NX	.104	0- 8- 10- 2- 2
1	9	M	8	.1	0	.1	CH	NX	.208	0- 8- 10- 1- 1
1	10	M	2.5	.06	0	.04	CH	NX	.0156	0- 7- 10- 1- 2

ABD 0001 0206

PLATE#: 564
COMMENTS:

THIS PAGE INTENTIONALLY BLANK

ABD 001 0208

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E600-11/5-1B 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= 2300 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 47.43479 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1708696 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .1243478 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 23

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 23
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 23
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= 3621.93 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 2300 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. Bli DATE: 12/13/90

ABD 001 0209

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E600-11/5-18 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: 12-12-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.13

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)

ABD 001 0210

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-G3											
1	1	M	12	.15	0	.12	CH	ST	.5616	0- 6- 10- 1- 1	Y
1	2	M	4	.2	0	.12	CH	ST	.2496	0- 6- 10- 1- 1	
1	3	M	15	.12	0	.1	CH	FV	.468	0- 5- 10- 1- 1	
1	4	M	7	.1	0	.1	CH	FV	.182	0- 7- 10- 1- 1	Y
1	5	M	10	.1	0	.1	CH	FV	.26	0- 5- 10- 1- 2	Y
1	6	M	14	.2	0	.12	CH	ST	.8735999	0- 6- 10- 1- 1	
1	7	M	11	.1	0	.1	CH	FV	.286		Y
1	8	B	7.5	.4	0	.2	CH	ST	1.56		Y
1	9	B	5	.35	0	.25	CH	ST	1.1375		
1	10	M	14	.1	0	.1	CH	FV	.364	0- 6- 10- 1- 2	
1	11	M	8	.1	0	.1	CH	FV	.208		Y
1	12	M	60	.12	0	.1	CH	NX	1.872	0- 7- 10- 1- 2	
1	13	M	55	.1	0	.1	CH	NX	1.43	0- 5- 10- 1- 2	
1	14	M	65	.1	0	.1	CH	ST	1.69		Y
1	15	B	3.5	.6	0	.2	CH	NX	1.092	0- 8- 10- 1- 1	
1	16	M	100	.12	0	.1	CH	NX	3.12	0- 5- 10- 1- 1	

1	17	M	130	.1	0	.1	CH	FV	3.38		Y
1	18	M	90	.1	0	.1	CH	ST	2.34		Y
1	19	M	125	.1	0	.1	CH	NX	3.25	0- 6- 10- 1- 1	Y
1	20	M	180	.1	0	.1	CH	ST	4.68		Y
1	21	M	40	.1	0	.1	CH	FV	1.04		Y
1	22	B	10	.35	0	.25	CH	ST	2.275		Y
1	23	M	125	.12	0	.1	CH	ST	3.9	0- 6- 10- 1- 1	Y

PLATE#: 605
COMMENTS:LOADED WITH ASBESTOS.

THIS PAGE INTENTIONALLY BLANK

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E800-11/6-6 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. Dobj DATE: 11,14,90

ABD 001 0213

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E800-11/6-6 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: 11-14-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.16

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-H5											
1	1	F	1.5	.15	10	0	NA	ST	0		

PLATE#:
COMMENTS:ONE TI FIBER.

ABD 001 0214

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E900-11/6-6 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= .08 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= .9148314 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. Robb DATE: 11/14/90

ABD 001 0215

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E900-11/6-6 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: 11-14-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.06

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-Y2											
1	1	B	4	.2	0	.2	NA	FV	0	0- 3- 10- 3- 3	
1	2	F	.7	.08	8.8	0	CH	FV	9.148314E-03	0- 8- 10- 0- 1	

PLATE#:
COMMENTS:

ABD 001 0216

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E1000-11/6-6 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= .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= .728 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. Doty DATE: 11/14/90

ABD 001 0217

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E1000-11/6-6 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: 11-14-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.11

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-Q6											
1	1	M	.5	.08	0	.07	CH	FV	.00728	0- 7- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 0218

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E1100-11/7-6 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= 2400 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 18.94167 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1333333 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .1038889 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 24

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 24
NO.CHRYSOTILE FIBERS= 6
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 18
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 0219

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1450.487 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 2400 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 2400 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bly DATE: 11.20.90

1	14	M	33.5								
				.1	0	.1	CH	ST	.8709999		Y
1	15	M	35	.1	0	.1	CH	NX	.9099999	0- 7- 10- 1- 2	Y
1	16	M	82	.1	0	.1	CH	ST	2.132		Y
1	17	M	20	.1	0	.1	CH	ST	.52		Y
1	18	M	25	.1	0	.1	CH	NX	.65	0- 7- 10- 1- 1	Y
1	19	M	40	.1	0	.1	CH	ST	1.04	0- 8- 10- 2- 2	Y
1	20	M	26	.1	0	.1	CH	FV	.676		Y
1	21	B	4	.5	0	.25	CH	ST	1.3		
1	22	M	55	.1	0	.1	CH	ST	1.43	0- 7- 10- 2- 2	Y
1	23	X	3	.4	7.5	0	CH	ST	.9801768		
1	24	M	45	.1	0	.1	CH	ST	1.17		Y

PLATE#: 578
COMMENTS:PLENTY OF ASBESTOS.

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E1100-11/7-6 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.23

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)

ABD 001 0221

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-I2											
1	1	F	6	.12	50	0	CH	ST	.1764318	0- 8- 10- 2- 2	Y
1	2	X	3	9.000001E-02	33.3	0	CH	FV	4.962145E-02		
1	3	F	1.4	.08	17.5	0	CH	FV	1.829663E-02		
1	4	M	2	.1	0	.1	CH	FV	.052	0- 7- 10- 1- 2	
1	5	M	1.5	.06	0	.05	CH	FV	.0117		
1	6	M	2.2	.07	0	.06	CH	FV	.024024		
1	7	M	9.5	.1	0	.1	CH	ST	.247		Y
1	8	F	4	.1	40	0	CH	NX	.0816814	0- 7- 10- 2- 2	
1	9	M	10	.1	0	.1	CH	NX	.26	0- 8- 10- 2- 2	Y
1	10	M	5.5	.1	0	.1	CH	FV	.143		Y
1	11	F	5	.1	50	0	CH	ST	.1021017	0- 8- 10- 2- 3	Y
1	12	M	24	.08	0	.07	CH	FV	.34944		Y
1	13	M	12	.3	0	.14	CH	NX	1.3104	0- 8- 10- 1- 1	Y

THIS PAGE INTENTIONALLY BLANK

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E1275-11/7-6 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= 8.066667 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .2326667 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .162 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= 5
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= 1176.209 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. [illegible] DATE: 11.20.90

ABD 001 0223

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E1275-11/7-6 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.24

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
BEGIN GRID OPENING NO. 1 LOCATED: 1-X5										
1	1	B	2.4	.15	0	.1	CH	ST	9.360001E-02	
1	2	X	4.8	.12	40	0	CH	ST	.1411454	
1	3	X	2.5	.25	10	0	CH	ST	.3190679	
1	4	M	3.5	.1	0	.1	CH	FV	.091	
1	5	F	2.5	.1	25	0	CH	FV	5.105087E-02	0- 7- 10- 2- 2
1	6	F	.7	.07	10	0	CH	FV	7.004178E-03	
1	7	C	13	.1	0	.1	CH	NX	.338	0- 8- 10- 2- 2
1	8	B	3.3	1	0	.5	CH	NX	4.29	0- 7- 10- 1- 1
1	9	M	2.5	.1	0	.1	CH	ST	.065	
1	10	M	1.6	.08	0	.07	CH	FV	.023296	
1	11	F	2.2	.1	22	0	CH	NX	4.492477E-02	0- 7- 10- 2- 2
1	12	M	20	.1	0	.1	CH	ST	.52	

ABD 001 0224

1	13	B	4.5	1	0	.35	CH	ST	4.095			
1	14	B	40	.12	0	.1	CH	ST	1.248			Y
1	15	M	17.5									
				.1	0	.1	CH	NX	.455	0- 7- 10- 1- 2		Y

PLATE#:
COMMENTS:

THIS PAGE INTENTIONALLY BLANK

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E1500-11/8-6 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. Bolin DATE: 11/20/90

ABD 001 0227

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E1500-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.13

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-X5

PLATE#:
COMMENTS:

ABD 001 0228

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1021E395-11/9-6 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 0229

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: 11.26.90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1021E395-11/9-6 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: 11-26-1990 EAL JOB NO:13320
EAL SAMPLE NO: 13320.13

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-X2

PLATE#:
COMMENTS:

ABD 001 0230

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1037E550-11/8-18A 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= 2200 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 33.61364 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .2295455 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .1326316 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 22

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 22
NO.CHRYSOTILE FIBERS= 3
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 19
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 0231

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 3473.947 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 2200 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 2200 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Dolci 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: NV-N1037E550-11/8-18A 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: 12-12-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.14

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	E >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-V2											
1	1	F	3.1	.12	25.8	0	CH	ST	9.115641E-02	0- 7- 10- 1- 1	
1	2	F	1	.06	16.7	0	CH	FV	7.351325E-03	0- 6- 10- 1- 1	
1	3	F	.9	.06	15	0	CH	FV	6.616192E-03	0- 7- 10- 1- 1	
1	4	M	1	.08	0	.08	CH	ST	.01664	0- 8- 10- 1- 1	
1	5	B	3.5	.2	0	.15	CH	ST	.273	0- 7- 10- 1- 1	
1	6	M	25	.1	0	.1	CH	FV	.65		
1	7	M	43	.08	0	.07	CH	FV	.62608		
1	8	B	5.5	.6	0	.2	CH	NX	1.716	0- 8- 10- 0- 0	Y
1	9	M	77	.08	0	.07	CH	FV	1.12112		
1	10	M	8	.1	0	.1	CH	NX	.208	0- 5- 10- 0- 0	
1	11	M	85	.1	0	.1	CH	FV	2.21		Y
1	12	M	72	.1	0	.1	CH	NX	1.872	0- 8- 10- 1- 0	Y
1	13	M	95	.1	0	.1	CH	FV	2.47		

ABD 001 0232

1	14	M	60	.1	0	.1	CH	FV	1.56	
1	15	B	4	.5	0	.2	CH	NX	1.04	0- 9- 10- 0- 0
1	16	M	45	.12	0	.1	CH	FV	1.404	
1	17	M	110	.1	0	.1	CH	ST	2.86	
1	18	B	7	.75	0	.2	CH	NX	2.73	0- 8- 10- 1- 1
1	19	M	30	.1	0	.1	CH	FV	.78	
1	20	B	5.5	.5	0	.25	CH	ST	1.7875	
1	21	M	45	.1	0	.1	CH	FV	1.17	
1	22	B	13	1	0	.3	CH	ST	10.14	0- 8- 10- 0- 0

PLATE#: 606
COMMENTS:LOADED WITH ASBESTOS.

THIS PAGE INTENTIONALLY BLANK

ABD 001 0234

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1050E300-11/6-18 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: 12/13/90

ABD 001 0235

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1050E300-11/6-18 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: 12-12-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.15

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

BEGIN GRID OPENING NO. 1 LOCATED: 1-N5

PLATE#:
COMMENTS:

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1050E1550-11/8-6 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 MILLIME
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ....

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11/20/90

ABD 001 0237

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1050E1550-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.16

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-J2

PLATE#:
COMMENTS:

ABD 001 0238

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1062E429-11/9-6 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= .6 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= 1.56 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: 11.26.90

ABD 001 0239

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1062E429-11/9-6 TYPE: BULK PROJECT #: I-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: 11-26-1990 EAL JOB NO:13320
EAL SAMPLE NO: 13320.08

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-Q1										
1	1	M	.6	.1	0	.1	CH	FV	.0156	0- 7- 10- 2- 2

PLATE#:
COMMENTS:

ABD 001 0240

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1062E429-11/9-6 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: 11.26.90

ABD 001 0241

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1062E429-11/9-6 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: 11-26-1990 EAL JOB NO:13320
EAL SAMPLE NO: 13320.08 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-M2

PLATE#:
COMMENTS:

ABD 001 0242

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1062E429-11/9-24 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= 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: 12/13/99

ABD 001 0243

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1062E429-11/9-24 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): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-12-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.16

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-X4

PLATE#:
COMMENTS:

ABD 001 0244

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1063E300-11/9-6 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. Bly DATE: 11/26/90

ABD 001 0245

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1063E300-11/9-6 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: 11-26-1990 EAL JOB NO:13320
EAL SAMPLE NO: 13320.12

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: 1-2.2											
1	1	F	2.5	.15	16.7	0	NA	ST	0		

PLATE#:
COMMENTS:A FEW TI FIBERS.

ABD 001 0246

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1095E300-11/5-6 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= 900 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 4.688889 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 9.555557E-02 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= 9.375001E-02 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 9

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 9
NO.CHRYSOTILE FIBERS= 1
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

ABD 001 0247

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 103.8986 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 900 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 900 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11/12/90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1095E300-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.20

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-S1											
1	1	F	1.3	.1	13	0	CH	FV	2.654645E-02		
										0- 8- 10- 3- 3	
1	2	M	2.8	.06	0	.05	CH	FV	.02184		
1	3	M	13	.1	0	.1	CH	FV	.338	0- 7- 10- 1- 2	Y
1	4	M	5.1	.1	0	.1	CH	ST	.1326		
1	5	M	3.5	.1	0	.1	CH	FV	.091		
1	6	M	3	.1	0	.1	CH	NX	.078	0- 7- 10- 2- 2	
1	7	M	2.8	.1	0	.1	CH	NX	.0728	0- 7- 10- 1- 2	
1	8	M	6.5	.1	0	.1	CH	NX	.169	0- 8- 10- 2- 3	
1	9	M	4.2	.1	0	.1	CH	FV	.1092	0- 7- 10- 1- 2	

PLATE#:
COMMENTS:

ABD 001 0248

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E250-11/5-6A 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= 200 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.2 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 8.999999E-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= 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 0249

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 3.978 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. Roby DATE: 11/12/90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E250-11/5-6A 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.21

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	LL >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-06											
1	1	M	.9	.12	0	.1	CH	ST	.02808	0- 8- 10- 2- 2	
1	2	M	1.5	.06	0	.05	CH	FV	.0117		

PLATE#:
COMMENTS:

ABD 001 0250

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E250-11/5-18A 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= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.3 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .05 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= .676 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: 12/13/90

ABD 001 0251

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E250-11/5-18A 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: 12-12-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.17

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-H5											
1	1	M	1.3	.05	0	.04	CH	FV	.00676	0- 6- 10- 1- 1	

PLATE#:
COMMENTS:

ABD 001 0252

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E300-11/5-6 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= 3.2 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 0253

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 8.32 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. Lebi DATE: 11/12/90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E300-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.22

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
BEGIN GRID OPENING NO. 1 LOCATED: 1-X2										
1	1	M	3.2	.1	0	.1	CH	FV	.0832	

PLATE#:
COMMENTS:

ABD 001 0254

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NVR-N1100E350-11/5-6 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: 11/12/90

ABD 001 0255

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NVR-N1100E350-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.02

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-V6

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

ABD 001 0256

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NVR-N1100-E350-11/5-6D 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): 99.0099 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qing Li DATE: 11.12.90

ABD 001 0257

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NVR-N1100-E350-11/5-6D 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): .0101
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .0101 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 11-09-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.02 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 >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-X1

PLATE#:
COMMENTS:

ABD 001 0258

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E560-11/9-24 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= 1700 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 19.85882 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1235294 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .12 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 17

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 17
NO.CHRYSOTILE FIBERS= 6
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

ABD 001 0259

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1177.923 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 1700 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 1700 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. Bell 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: NV-N1100E560-11/9-24 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): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-12-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.18

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-N6											
1	1	F	6.8	.06	113.3	0	CH	FV	4.998901E-02	0- 7- 10- 0- 1	
1	2	B	.9	.1	0	.1	CH	FV	.0234		
1	3	F	2	.1	20	0	CH	FV	.0408407	0- 7- 10- 1- 1	
1	4	X	1.6	.07	22.9	0	CH	FV	1.600955E-02		
1	5	F	5.5	.1	55	0	CH	ST	.1123119	0- 8- 10- 0- 0	
1	6	F	2	.1	20	0	CH	FV	.0408407	0- 7- 10- 1- 1	
1	7	F	2.9	.1	29	0	CH	ST	5.921901E-02	0- 7- 10- 1- 1	
1	8	M	10.5	.1	0	.1	CH	FV	.273	0- 7- 10- 0- 0	
1	9	M	12.5	.07	0	.06	CH	FV	.1365	0- 7- 10- 1- 2	
1	10	B	3.4	.15	0	.12	CH	ST	.15912		
1	11	M	43	.1	0	.1	CH	ST	1.118		

ABD 001 0260

1	12	M	65	.1	0	.1	CH	ST	1.69	0- 7- 10- 1- 1	
1	13	M	52	.1	0	.1	CH	FV	1.352		\
1	14	B	7.5	.4	0	.24	CH	NX	1.872	0- 8- 10- 0- 0	\
1	15	M	70	.1	0	.1	CH	ST	1.82		\
1	16	B	16	.25	0	.2	CH	ST	2.08	0- 8- 10- 1- 1	\
1	17	M	36	.1	0	.1	CH	ST	.936	0- 7- 10- 1- 1	\

PLATE#: 607
COMMENTS:PLENTY OF ASBESTOS.

THIS PAGE INTENTIONALLY BLANK

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E600-11/5-6 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= 10.08125 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1675 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .126 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= 1012.687 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. Dobi DATE: 11/13/90

ABD 001 0263

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E600-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.23

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: L-Q2											
1	1	M	5.5	.1	0	.1	CH	FV	.143	0- 7- 10- 1- 2	Y
1	2	M	2.6	.08	0	.07	CH	FV	.037856	0- 8- 10- 2- 2	
1	3	M	2.2	.1	0	.1	CH	FV	.0572		
1	4	M	4.5	.07	0	.07	CH	FV	.05733		
1	5	M	6.5	.08	0	.07	CH	FV	9.463999E-02	0- 8- 10- 2- 2	
1	6	M	5	.22	0	.15	CH	ST	.429		
1	7	M	10	.15	0	.12	CH	NX	.468	0- 8- 10- 2- 2	Y
1	8	M	11.5	.08	0	.07	CH	ST	.16744	0- 7- 10- 1- 2	
1	9	M	12.5	.2	0	.15	CH	NX	.9749999	0- 8- 10- 2- 2	
1	10	M	13.5	.1	0	.1	CH	NX	.351	0- 7- 10- 2- 2	Y
1	11	M	6	.15	0	.12	CH	ST	.2808		Y
1	12	M	33	.15	0	.12	CH	ST	1.5444		

ABD 001 0264

1	13	M	6	.25	0	.15	CH	NX	.585	0- 8- 10- 1- 1	\
1	14	B	1.5	.6	0	.3	CH	ST	.702		
1	15	M	31	.25	0	.2	CH	ST	4.03		Y
1	16	F	10	.1	100	0	CH	NX	.2042035	0- 7- 10- 1- 2	Y

PLATE#: 565
COMMENTS:GROUPED FIBERS TOGETHER.

THIS PAGE INTENTIONALLY BLANK

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E700-11/5-6 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: 11/12/90

ABD 001 0267

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1000E700-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.19

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-R5

PLATE#:
COMMENTS:

ABD 001 0268

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E700-11/9-24A 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: 12/13/90

ABD 001 0269

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E700-11/9-24A 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: 12-12-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.19

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	L

BEGIN GRID OPENING NO. 1 LOCATED: 1-R6

PLATE#:
COMMENTS:

ABD 001 0270

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E1250-11/7-6 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= 2 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= 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= 10.4 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: 11.20.90

ABD 001 0271

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E1250-11/7-6 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.25

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	Lc >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-P2											
1	1	M	2	.1	0	.1	CH	FV	.052	0- 7- 10- 2- 2	
1	2	M	2	.1	0	.1	CH	FV	.052		

PLATE#:
COMMENTS:

ABD 001 0272

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E1500-11/8-6 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. Lebi DATE: 11/21/90

ABD 001 0273

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E1500-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.17

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-H2

PLATE#:
COMMENTS:

ABD 001 0274

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E1500-11/8-6 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: Ching Li DATE: 11.21.90

ABD 001 0275

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E1500-11/8-6 DUP. TYPE: SOIL PROJECT #: 1-635-195-02PA[illegible]-
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: 11-21-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.17 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-Q5

PLATE#:
COMMENTS:

ABD 001 0276

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E1500 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 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): 94.42871 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qiong Li DATE: 12.14.90

ABD 001 0277

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E1500 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): .01059
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .01059 (SQ.MM)
ANALYZED-BY: Q.LI: DATE: 12-14-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.20 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 >=0

BEGIN GRID OPENING NO. 1 LOCATED: 1-01

PLATE#:
COMMENTS:

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E1500-11/8-18 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: 12/16/96

ABD 001 0279

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1100E1500-11/8-18 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: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.20

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

BEGIN GRID OPENING NO. 1 LOCATED: 1-J6

PLATE#:
COMMENTS:

ABD 001 0280

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1140E358-11/6-18 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= 800 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 4.05 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .145 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .12 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= 2
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= 343.7696 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. Bly DATE: 12/18/90

ABD 001 0281

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1140E358-11/6-18 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: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.21

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	
BEGIN GRID OPENING NO. 1 LOCATED: 1-U6											
1	1	F	1.5	.08	18.8	0	CH	FV	1.960353E-02	0- 9- 10- 0- 1	
1	2	M	5.5	.1	0	.1	CH	FV	.143	0- 8- 10- 1- 1	Y
1	3	M	.9	.1	0	.1	CH	FV	.0234	0- 8- 10- 0- 0	
1	4	M	2.8	.1	0	.1	CH	FV	.0728	0- 7- 10- 1- 1	
1	5	M	3.5	.08	0	.07	CH	FV	.05096	0- 8- 10- 0- 0	
1	6	M	2.7	.1	0	.1	CH	FV	.0702		
1	7	B	9	.5	0	.25	CH	ST	2.925	0- 8- 10- 0- 0	
1	8	F	6.5	.1	65	0	CH	FV	.1327323	0- 8- 10- 1- 1	

PLATE#:
COMMENTS:

ABD 001 0282

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1150E207-11/6-18A 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= 400 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 4.075 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .095 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .0925 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 0283

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 40.8928 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. [illegible] DATE: 12/16/91

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1150E207-11/6-18A 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: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.22

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: 1-4.1											
1	1	M	1.3	.08	0	.07	CH	FV	.018928	0- 7- 10- 1- 1	
1	2	M	.5	.1	0	.1	CH	FV	.013	0- 7- 10- 1- 1	
1	3	M	10.5								
				.1	0	.1	CH	ST	.273	0- 8- 10- 1- 1	
1	4	M	4	.1	0	.1	CH	FV	.104	0- 7- 10- 0- 0	

PLATE#:
COMMENTS:

ABD 001 0284

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1150E235-11/9-6 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. Nolej DATE: 11/26/90

ABD 001 0285

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1150E235-11/9-6 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: 11-26-1990 EAL JOB NO:13320
EAL SAMPLE NO: 13320.09

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 0286

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1150E250-11/9-6 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: 11/26/98

ABD 001 0287

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1150E250-11/9-6 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: 11-26-1990 EAL JOB NO:13320
EAL SAMPLE NO: 13320.10

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-N2

PLATE#:
COMMENTS:

ABD 001 0288

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1150E300-11/6-18 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= 600 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 2.533334 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 9.666666E-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= 6

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 6
NO.CHRYSOTILE FIBERS= 1
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

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 38.74414 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. Bolt DATE: 12/6/90

ABD 001 0289

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1150E300-11/6-18 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: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.23

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	L >
BEGIN GRID OPENING NO. 1 LOCATED: 1-Q6											
1	1	M	1.2	.1	0	.1	CH	FV	.0312	0- 8- 10- 0- 1	
1	2	M	2.5	.1	0	.1	CH	FV	.065	0- 8- 10- 1- 1	
1	3	M	2.9	.1	0	.1	CH	FV	.0754	0- 7- 10- 1- 1	
1	4	M	3.5	.1	0	.1	CH	FV	.091	0- 7- 10- 1- 1	
1	5	M	4.5	.1	0	.1	CH	ST	.117	0- 8- 10- 0- 1	
1	6	F	.6	.08	7.5	0	CH	FV	7.841413E-03		

PLATE#: 611
COMMENTS:

ABD 001 0290

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1150E450-11/7-6 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= 5.258333 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 8.416668E-02 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= 8.500001E-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

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 143.2675 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. Bolej DATE: 11.20.90

ABD 001 0291

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1150E450-11/7-6 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.26

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
BEGIN GRID OPENING NO. 1 LOCATED: 1-V6										
1	1	M	3	.06	0	.05	CH	FV	.0234	0- 7- 10- 1- 2
1	2	M	3.5	.07	0	.06	CH	FV	.03822	
1	3	M	1.4	.1	0	.1	CH	FV	.0364	
1	4	M	1.5	.08	0	.07	CH	FV	.02184	
1	5	F	1.2	.05	24	0	CH	FV	6.126105E-03	0- 7- 10- 2- 3
1	6	M	13	.1	0	.1	CH	ST	.338	
1	7	M	3	.08	0	.07	CH	NX	.04368	0- 8- 10- 2- 2
1	8	M	14	.1	0	.1	CH	ST	.364	
1	9	F	1.5	.07	21.4	0	CH	FV	1.500896E-02	
1	10	M	6.5	.1	0	.1	CH	NX	.169	0- 7- 10- 1- 2
1	11	M	7	.1	0	.1	CH	FV	.182	
1	12	M	7.5	.1	0	.1	CH	ST	.195	0- 7- 10- 2- 2

ABD 001 0292

PLATE#:
COMMENTS:

THIS PAGE INTENTIONALLY BLANK

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1150E500-11/5-6 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. [illegible] DATE: 11/13/90

ABD 001 0295

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1150E500-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.24

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-R6											
1	1	B	2.7	.35	0	.25	AB	FV	0	0- 3- 10- 3- 4	

PLATE#:
COMMENTS:

ABD 001 0296

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1150E700-11/12-24 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= 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: 12/16/90

ABD 001 0297

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1150E700-11/12-24 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): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.24

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-V1

PLATE#:
COMMENTS:

ABD 001 0298

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1150E1550-11/8-6 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= .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= 4.08407 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. Bohm DATE: 11/21/90

ABD 001 0299

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1150E1550-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.18

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: 1-06											
1	1	F	2	.1	20	0	CH	FV	.0408407	0- 7- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 0300

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1173E322-11/8-72 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. Dolin DATE: 12/16/93

ABD 001 0301

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1173E322-11/8-72 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: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.25

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

BEGIN GRID OPENING NO. 1 LOCATED: 1-H6

PLATE#:
COMMENTS:

ABD 001 0302

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1190E465-11/7-24 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= 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. Dori DATE: 12/15/90

ABD 001 0303

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1190E465-11/7-24 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): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.26

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	L
BEGIN GRID OPENING NO. 1 LOCATED: 1-U2											
1	1	M	.5	.1	0	.1	CH	FV	.013	0- 7- 10- 1- 1	

PLATE#:
COMMENTS:

ABD 001 0304

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1190E465-11/7-6 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 J. Nolt DATE: 11-20-90

ABD 001 0305

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1190E465-11/7-6 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.27

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: 1-06

PLATE#:
COMMENTS:

ABD 001 0306

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E207-11/8-6A 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= 1000 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 3.37 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 7.600001E-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= 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

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 58.20262 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. Dolci DATE: 11/21/9(

ABD 001 0307

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E207-11/8-6A 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.21

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-W7											
1	1	M	1	.06	0	.05	CH	FV	.0078		
1	2	M	.5	.1	0	.1	CH	FV	.013		
1	3	M	1.5	.1	0	.1	CH	FV	.039	0- 8- 10- 2- 2	
1	4	F	1.2	.05	24	0	CH	FV	6.126105E-03		
1	5	M	2	.05	0	.04	CH	FV	.0104		
1	6	M	2.5	.05	0	.04	CH	NX	.013	0- 7- 10- 2- 2	
1	7	M	8	.1	0	.1	CH	ST	.208		Y
1	8	M	5	.1	0	.1	CH	NX	.13	0- 8- 10- 1- 2	
1	9	M	6.5	.08	0	.07	CH	NX	9.463999E-02		
										0- 7- 10- 2- 2	Y
1	10	M	5.5	.07	0	.06	CH	NX	.06006	0- 7- 10- 2- 2	

PLATE#: 579
COMMENTS:

ABD 001 0308

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E207-11/8-6B 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= 400 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.375 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .0725 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .0625 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

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 6.2556 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. Debj DATE: 11-21-90

ABD 001 0309

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E207-11/8-6B 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): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.22

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-N6											
1	1	M	2	.06	0	.05	CH	FV	.0156	0- 7- 10- 2- 2	
1	2	M	1.4	.08	0	.07	CH	FV	.020384		
1	3	M	1	.08	0	.07	CH	FV	.01456		
1	4	M	1.1	.07	0	.06	CH	FV	.012012	0- 7- 10- 1- 2	

PLATE#:
COMMENTS:

ABD 001 0310

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E207-11/8-18A 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: 12/15/90

ABD 001 0311

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E207-11/8-18A 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: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.27

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-W6

PLATE#:
COMMENTS:

ABD 001 0312

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E225-11/13-6 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= 1300 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.411539 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 9.769232E-02 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= 9.600001E-02 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 13

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 13
NO.CHRYSOTILE FIBERS= 3
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= 44.32754 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 1300 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 1300 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

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

ABD 001 0313

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E225-11/13-6 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: 11-26-1990 EAL JOB NO:13345
EAL SAMPLE NO: 13345.07

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	LL >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-W5											
1	1	F	1.1	.1	11	0	CH	FV	2.246238E-02		
										0- 8- 10- 0- 1	
1	2	M	.75	.1	0	.1	CH	FV	.0195	0- 7- 10- 1- 1	
1	3	M	.8	.07	0	.06	CH	FV	8.735999E-03		
										0- 8- 10- 1- 2	
1	4	M	1.5	.1	0	.1	CH	FV	.039	0- 7- 10- 1- 2	
1	5	M	3.3	.1	0	.1	CH	ST	8.579999E-02		
1	6	M	2.1	.1	0	.1	CH	FV	.0546	0- 7- 10- 0- 1	
1	7	M	.9	.1	0	.1	CH	FV	.0234		
1	8	M	.5	.1	0	.1	CH	FV	.013		
1	9	F	1.2	.1	12	0	CH	FV	2.450442E-02		
										0- 8- 10- 1- 1	
1	10	M	2	.1	0	.1	CH	NX	.052	0- 8- 10- 0- 1	
1	11	X	1.6	.1	16	0	CH	NX	3.267256E-02		
										0- 7- 10- 0- 1	

ABD 001 0314

1	12	M	1	.1	0	.1	CH	NX	.026	0- 8- 10- 0- 0
1	13	M	1.6	.1	0	.1	CH	NX	.0416	0- 7- 10- 0- 1

PLATE#: 581
COMMENTS:

THIS PAGE INTENTIONALLY BLANK

ABD 001 0316

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E293-11/7-72 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: 12/16/90

ABD 001 0317

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E293-11/7-72 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: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.28

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-K4

PLATE#:
COMMENTS:

ABD 001 0318

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E600-11/5-6 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= .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= .9827999 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: 11/13/90

ABD 001 0319

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E600-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.25

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	L >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-T1											
1	1	M	.9	.07	0	.06	CH	FV	9.827999E-03	0- 7- 10- 1- 2	

PLATE#:
COMMENTS:

ABD 001 0320

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E800-11/6-6 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= 2300 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 21.68261 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .2169565 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .1426087 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES)

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 23

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 23
NO.CHRYSOTILE FIBERS= 0
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 23
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= 4238.728 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 2300 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: 11.14.90

ABD 001 0321

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E800-11/6-6 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: 11-14-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.14

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

ABD 001 0322

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	M	12.5								
				.4	0	.2	CH	ST	2.6	0- 8- 10- 1- 2	
1	2	M	12.5								
				.1	0	.1	CH	ST	.325		Y
1	3	M	2.7	.1	0	.1	CH	FV	.0702		
1	4	M	10.5								
				.08	0	.07	CH	FV	.15288	0- 7- 10- 2- 2	Y
1	5	B	5	.7	0	.4	CH	ST	3.64		Y
1	6	M	17	.2	0	.12	CH	FV	1.0608		
1	7	M	11	.12	0	.1	CH	FV	.3432	0- 7- 10- 2- 2	Y
1	8	M	6.5	.1	0	.1	CH	NX	.169	0- 7- 10- 1- 2	Y
1	9	M	7.5	.1	0	.1	CH	NX	.195	0- 8- 10- 2- 3	
1	10	M	3.5	.12	0	.1	CH	NX	.1092	0- 7- 10- 2- 2	
1	11	M	12	.2	0	.12	CH	NX	.7488	0- 6- 10- 2- 2	Y
1	12	M	3	.4	0	.25	CH	ST	.78		
1	13	M	15	.2	0	.15	CH	NX	1.17	0- 8- 10- 2- 2	

1	14	M	20	.3	0	.1	CH	NX	1.56	0- 7- 10- 1- 2	Y
1	15	M	19	.12	0	.1	CH	FV	.5928		Y
1	16	M	51	.2	0	.15	CH	ST	3.978		Y
1	17	M	38	.2	0	.15	CH	ST	2.964		Y
1	18	M	60	.25	0	.2	CH	NX	7.8	0- 8- 10- 1- 1	Y
1	19	M	46	.2	0	.15	CH	ST	3.588		Y
1	20	M	46	.2	0	.12	CH	NX	2.8704	0- 7- 10- 1- 2	Y
1	21	B	20	.3	0	.15	CH	NX	2.34	0- 7- 10- 1- 1	Y
1	22	M	35	.2	0	.1	CH	ST	1.82		Y
1	23	M	45	.2	0	.15	CH	ST	3.51	0- 8- 10- 2- 2	Y

PLATE#: 567
COMMENTS:LOADED WITH ASBESTOS.

THIS PAGE INTENTIONALLY BLANK

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E1200-11/7-6 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= 1.4 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 8.333334E-02 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= 7.666667E-02 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= 0
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= 8.45 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: 11/20/90

ABD 001 0325

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E1200-11/7-6 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.30

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	L >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-R5											
1	1	M	2.2	.1	0	.1	CH	FV	.0572		
1	2	M	1.5	.08	0	.07	CH	FV	.02184	0- 7- 10- 2- 2	
1	3	M	.5	.07	0	.06	CH	FV	.00546		

PLATE#:
COMMENTS:

ABD 001 0326

EASTERN ANALYTICAL LABORATORIES INC.

ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E1200-11/7-6 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: Diing Li DATE: 11.20.90

ABD 001 0327

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E1200-11/7-6 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.30 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 >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-Q1

PLATE#:
COMMENTS:

ABD 001 0328

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E1292-11/7-6 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: 11.20.90

ABD 001 0329

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1200E1292-11/7-6 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.31

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	L >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-01

PLATE#:
COMMENTS:

ABD 001 0330

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E208-11/8-6 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: 11/21/90

ABD 001 0331

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E208-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.24

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-W5

PLATE#:
COMMENTS:

ABD 001 0332

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E225-11/8-6 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= 1.45 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .08 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .055 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= 3
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= 8.843046 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. Bobi DATE: 11.21.90

ABD 001 0333

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E225-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.25

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-Q5											
1	1	F	.65	.1	6.5	0	CH	FV	1.327322E-02	0- 8- 10- 0- 1	
1	2	F	3	.08	37.5	0	CH	FV	3.920706E-02		
1	3	M	2.1	.06	0	.05	CH	FV	.01638		
1	4	M	1	.06	0	.06	CH	FV	9.359999E-03	0- 7- 10- 1- 2	
1	5	X	.5	.1	5	0	CH	FV	1.021017E-02		

PLATE#:
COMMENTS:

ABD 001 0334

EASTERN ANALYTICAL LABORATORIES INC.

ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E225-11/8-24 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= 200 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.1 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .085 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= 2
NO.CHRYSOTILE FIBERS= 1
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= 3.352435 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. Bly DATE: 12/16/90

ABD 001 0335

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E225-11/8-24 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): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.29

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-V2											
1	1	F	1	.1	10	0	CH	FV	2.042035E-02	0- 8- 10- 1- 1	
1	2	M	1.2	.07	0	.06	CH	FV	.013104	0- 7- 10- 1- 1	

PLATE#:
COMMENTS:

ABD 001 0336

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E300-11/7-24 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= 500 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 17.8 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 8.599999E-02 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= 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

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 182.702 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. Dobj DATE: 12/6/90

ABD 001 0337

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E300-11/7-24 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): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.30

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-W5											
1	1	M	6.5	.07	0	.06	CH	FV	.07098	0- 8- 10- 1- 1	
1	2	C	21	.08	0	.07	CH	FV	.30576	0- 7- 10- 1- 1	
1	3	M	13.5								
				.1	0	.1	CH	ST	.351	0- 7- 10- 0- 1	
1	4	M	13	.08	0	.07	CH	ST	.18928	0- 8- 10- 1- 1	
1	5	M	35	.1	0	.1	CH	ST	.9099999	0- 7- 10- 0- 0	

PLATE#:
COMMENTS:

ABD 001 0338

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E300 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= 94.42871 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 1.3 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

ABD 001 0339

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= .5106704 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 94.42871 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 94.42871 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 94.42871 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qiong Shi DATE: 12.14.90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1230E300 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: .01059 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 12-14-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.30 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

GRID 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-Y4											
1	1	M	1.3	.04	0	.04	CH	FV	.005408		

PLATE#:
COMMENTS:

ABD 001 0340

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E350-11/6-6 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. [illegible] DATE: 11.14.90

ABD 001 0341

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E350-11/6-6 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: 11-14-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.13

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-R2											
1	1	F	2	.2	10	0	NA	NP	0	0- 1- 10- 0- 2	

PLATE#:
COMMENTS:AL-SILICATES.

ABD 001 0342

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E390-11/7-6 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: 11.19.90

ABD 001 0343

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E390-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.33

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	L >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-X1

PLATE#:
COMMENTS:

ABD 001 0344

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E400-11/6-6 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 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .065 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= 2

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 2
NO.CHRYSOTILE FIBERS= 1
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= 1.780597 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: 11/17/90

ABD 001 0345

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E400-11/6-6 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: 11-17-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.23

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-U1											
1	1	F	1	.07	14.3	0	CH	FV	1.000597E-02	0- 8- 10- 2- 2	
1	2	M	1	.06	0	.05	CH	FV	.0078		

PLATE#:
COMMENTS:

ABD 001 0346

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E450-11/7-6 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. Riley DATE: 11.19.90

ABD 001 0347

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E450-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.34

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-Q5											
1	1	M	.8	.1	0	.1	NA	NP	0		

PLATE#:
COMMENTS:

ABD 001 0348

EASTERN ANALYTICAL LABORATORIES INC.

ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E450-11/7-24 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= 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

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. Bolm DATE: 12/16/90

ABD 001 0349

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E450-11/7-24 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): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.31

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-R5											
1	1	M	1.5	.06	0	.05	CH	FV	.0117	0- 8- 10- 1- 1	

PLATE#:
COMMENTS:

ABD 001 0350

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E500-11/5-6 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

ABD 001 0351

RESPECTFULLY SUBMITTED: Ernest T. Bobi DATE: 11/13/90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E500-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.26

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	L >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-X1

PLATE#:
COMMENTS:A FEW TI FIBERS.

ABD 001 0352

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E1550-11/8-6 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: 11.21.90

ABD 001 0353

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1250E1550-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.27

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-H6

PLATE#:
COMMENTS:

ABD 001 0354

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E1200-11/7-6 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= 1.7 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .05 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= .8840001 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: 11.19.90

ABD 001 0355

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E1200-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.39

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-P2											
1	1	M	1.7	.05	0	.04	CH	FV	.00884	0- 6- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 0356

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E1200-11/7-18 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. Doty DATE: 12/16/90

ABD 001 0357

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E1200-11/7-18 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: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.34

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-U6

PLATE#:
COMMENTS:

ABD 001 0358

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E1300-11/7-6 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: 11.19.90

ABD 001 0359

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E1300-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.40

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 0360

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E1500-11/8-6 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: 11.21.90

ABD 001 0361

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E1500-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.31

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-V1

PLATE#:
COMMENTS:

ABD 001 0362

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E1550-11/8-6 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: 11.21.90

ABD 001 0363

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E1550-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.32

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-R5

PLATE#:
COMMENTS:

ABD 001 0364

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E1600-11/8-6 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: 11.21.90

ABD 001 0365

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E1600-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.33

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	LEI

BEGIN GRID OPENING NO. 1 LOCATED: 1-G6

PLATE#:
COMMENTS:

ABD 001 0366

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1327E379-11/7-6 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. Bolin DATE: 11.19.90

ABD 001 0367

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1327E379-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.41

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	F	2	.04	50	0	NA	NP	0	0- 0- 10- 12- 1	

PLATE#:
COMMENTS:A FEW TI FIBERS.

ABD 001 0368

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1327E379-11/7-24 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= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 3.6 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= 5.2416 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. Bobj DATE: 12/16/90

ABD 001 0369

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1327E379-11/7-24 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): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.35

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-R5											
1	1	M	3.6	.08	0	.07	CH	FV	.052416	0- 8- 10- 0- 0	

PLATE#:
COMMENTS:

ABD 001 0370

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1338E350-11/7-6 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: 11/19/90

ABD 001 0371

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1338E350-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.42

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 0372

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1350E210-11/8-6 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= 1.12 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 8.999999E-02 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= 8.599999E-02 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

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 10.764 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. [illegible] DATE: 11/21/90

ABD 001 0373

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1350E210-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.34

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-P1											
1	1	M	2	.08	0	.07	CH	FV	.02912	0- 8- 10- 2- 2	
1	2	M	1	.07	0	.06	CH	FV	.01092		
1	3	M	1.2	.1	0	.1	CH	ST	.0312	0- 6- 10- 1- 2	
1	4	M	.9	.1	0	.1	CH	FV	.0234		
1	5	M	.5	.1	0	.1	CH	FV	.013		

PLATE#:
COMMENTS:

ABD 001 0374

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1350E225-11/8-6 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= 3.4 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .085 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= 2

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 2
NO.CHRYSOTILE FIBERS= 1
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= 12.72185 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. Bolt DATE: 11-21-90

ABD 001 0375

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1350E225-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.35

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: 1-06											
1	1	M	3.7	.1	0	.1	CH	ST	9.619999E-02		
1	2	F	3.1	.07	44.3	0	CH	FV	.0310185	0- 7- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 0376

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1350E300-11/7-6 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: 11/19/90

ABD 001 0377

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1350E300-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.43

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

PLATE#:
COMMENTS:

ABD 001 0378

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1350E400-11/6-6 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: 11.14.90

ABD 001 0379

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1350E400-11/6-6 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: 11-14-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.17

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-S5

PLATE#:
COMMENTS:

ABD 001 0380

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E206-11/B-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= .875 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .085 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= 2

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 2
NO.CHRYSOTILE FIBERS= 1
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= 2.550746 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

ABD 001 0381

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E206-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.28

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: 1-5.1											
1	1	M	.5	.1	0	.1	CH	FV	.013		
1	2	F	1.25	.07	17.9	0	CH	FV	1.250746E-02	0- 7- 10- 2- 2	

PLATE#:
COMMENTS:

ABD 001 0382

EASTERN ANALYTICAL LABORATORIES INC.

ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E206-11/8-18 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: 12/16/90

ABD 001 0383

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E206-11/8-18 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: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.32

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-F4

PLATE#:
COMMENTS:

ABD 001 0384

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E225-11/8-6 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= 2.5 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 0385

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 6.5 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. Nabi 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: NV-N1300E225-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.29

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	2.5	.1	0	.1	CH	FV	.065	0- 8- 10- 2- 2	

PLATE#: 580
COMMENTS:

ABD 001 0386

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E250-11/8-6 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. Bobby DATE: 11.21.90

ABD 001 0387

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E250-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.30

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-V5

PLATE#:
COMMENTS:

ABD 001 0388

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E300-11/6-6 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: 11.14.90

ABD 001 0389

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E300-11/6-6 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: 11-14-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.18

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: 1-5.2

PLATE#:
COMMENTS:

ABD 001 0390

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

CLIENT: ALLIANCE TECH CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E300-11/6-6 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: Qing Li DATE: 11.15.96

ABD 001 0391

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

CLIENT: ALLIANCE TECH CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E300-11/6-6 DUP TYPE: SOIL PROJECT #: 1-635-195-02FA2-0
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:13280
EAL SAMPLE NO: 13280.18 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 >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-I1

PLATE#:
COMMENTS:

ABD 001 0392

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E300-11/7-6 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. Bly DATE: 11/19/90

ABD 001 0393

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E300-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.35

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-X2

PLATE#:
COMMENTS:

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E327-11/13-6 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. Abi DATE: 11/26/90

ABD 001 0395

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E327-11/13-6 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: 11-26-1990 EAL JOB NO:13345
EAL SAMPLE NO: 13345.10

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	L >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-W5

PLATE#:
COMMENTS:

ABD 001 0396

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E350-11/6-6 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. Bobij DATE: 11/17/90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E350-11/6-6 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: 11-17-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.27

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	L2 >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-3.1

PLATE#:
COMMENTS:

ABD 001 0398

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

CLIENT: ALLIANCE TECH CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E350-11/6-6 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: Qiang Li DATE: 11.15.90

ABD 001 0399

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

CLIENT: ALLIANCE TECH CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E350-11/6-6 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: 11-14-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.37 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	LEI >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-3.1

PLATE#:
COMMENTS:

ABD 001 0400

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E400-11/7-6 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= 1100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 2.490909 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 8.454546E-02 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= 8.444445E-02 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 11

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 11
NO.CHRYSOTILE FIBERS= 2
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

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 58.73642 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 1100 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 1100 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11/19/90

ABD 001 0401

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E400-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.36

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-X5											
1	1	M	4.5	.08	0	.07	CH	FV	6.551999E-02		
										0- 7- 10- 2- 2	
1	2	M	.6	.1	0	.1	CH	ST	.0156	0- 7- 10- 1- 1	
1	3	M	1.1	.1	0	.1	CH	FV	.0286		
1	4	M	1	.1	0	.1	CH	FV	.026	0- 7- 10- 2- 2	
1	5	M	3	.1	0	.1	CH	ST	.078		
1	6	M	.5	.05	0	.05	CH	FV	.00325		
1	7	M	8	.12	0	.1	CH	NX	.2496	0- 8- 10- 2- 2	
1	8	F	1.2	.07	17.1	0	CH	NX	1.200716E-02		
										0- 7- 10- 1- 2	
1	9	M	2.8	.05	0	.04	CH	FV	.01456		
1	10	M	3.2	.1	0	.1	CH	FV	.0832		
1	11	X	1.5	.06	25	0	CH	FV	1.102699E-02		

ABD 001 0402

PLATE#: 575
COMMENTS:

ABD 001 0403

THIS PAGE INTENTIONALLY BLANK

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E400-11/7-48 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. Daly DATE: 12/6/90

ABD 001 0405

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E400-11/7-48 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: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.33

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-Q5

PLATE#:
COMMENTS:

ABD 001 0406

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E462-11/7-6 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= .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= .546 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: 11.19.90

ABD 001 0407

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E462-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.37

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-N6											
1	1	M	.5	.07	0	.06	CH	FV	.00546	0- 6- 10- 2- 2	

PLATE#:
COMMENTS:A FEW TI FIBERS.

ABD 001 0408

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E600-11/5-6 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= 1.6 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .07 MICRONS (ALL STRUCTURES)
MEAN THICKNESS= .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 0409

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 1.7472 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. Obi DATE: 11/12/90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E600-11/5-6 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.01

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: 1-4.1											
1	1	M	1.6	.07	0	.06	CH	FV	.017472	0- 7- 10- 1- 1	

PLATE#:
COMMENTS:ONE TI FIBER.

ABD 001 0410

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E600-11/5-6D 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 0411

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): 99.0099 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Qing Li DATE: 11.12.90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E600-11/5-60 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): .0101
ACCELERATING VOLTAGE (kv): 80----- BEAM CURRENT (UA): 50
MAGNIFICATION: 20000 TOTAL AREA EXAMINED: .0101 (SQ.MM)
ANALYZED BY: Q.LI: DATE: 11-09-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.01 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	LE >=5

BEGIN GRID OPENING NO. 1 LOCATED: 1-01

PLATE#:
COMMENTS:

ABD 001 0412

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E1100-11/7-6 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: 11.19.90

ABD 001 0413

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1300E1100-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.38

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-W5

PLATE#:
COMMENTS:

ABD 001 0414

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1350E466-11/7-6 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: 11/19/90

ABD 001 0415

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1350E466-11/7-6 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: 11-19-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.44

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 0416

EASTERN ANALYTICAL LABORATORIES INC.

ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1350E466-11/7-24 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= 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: 12/16/90

ABD 001 0417

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1350E466-11/7-24 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): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.36

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-W5

PLATE#:
COMMENTS:

ABD 001 0418

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1352E1300-11/7-6 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. Boby DATE: 11.20.90

ABD 001 0419

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1352E1300-11/7-6 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.45

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 0420

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1375E1100-11/7-6 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. Nolan DATE: 11.28.90

ABD 001 0421

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1375E1100-11/7-6 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.46

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-R1

PLATE#:
COMMENTS:

ABD 001 0422

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1375E1200-11/7-6 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. Irby DATE: 11,20,90

ABD 001 0423

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1375E1200-11/7-6 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.47

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 0424

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1400E225-11/8-6 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= .6 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= 1.56 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. Bolm DATE: 11-21-90

ABD 001 0425

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1400E225-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.37

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-V2											
1	1	M	.6	.1	0	.1	CH	FV	.0156		

PLATE#:
COMMENTS:

ABD 001 04254

EASTERN ANALYTICAL LABORATORIES INC.

ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1400E225-11/8-24 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= 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. Bolt DATE: 12/16/90

ABD 001 0426

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1400E225-11/8-24 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): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.37

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-M5

PLATE#:
COMMENTS:

ABD 001 0427

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1400E250-11/8-6 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= 1.05 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

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 4.0872 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: 11.21.90

ABD 001 0428

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1400E250-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.38

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-V2											
1	1	M	1.2	.08	0	.07	CH	FV	.017472	0- 7- 10- 2- 2	
1	2	M	.9	.1	0	.1	CH	FV	.0234		

PLATE#:
COMMENTS:

ABD 001 0429

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1400E341-11/7-6 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= .85 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .08 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= 2

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 2
NO.CHRYSOTILE FIBERS= 1
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 0430

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 2.840442 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: 11/20/90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1400E341-11/7-6 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.48

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	I >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-4.2											
1	1	M	.5	.06	0	.05	CH	FV	.0039	0- 7- 10- 2- 2	
1	2	F	1.2	.1	12	0	CH	FV	2.450442E-02		

PLATE#:
COMMENTS:

ABD 001 0431

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1400E341-11/7-24 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= 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

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 12/16/90

ABD 001 0432

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1400E341-11/7-24 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): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.38

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 NC 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 0433

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1400E419-11/7-6 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. Bly DATE: 11/20/90

ABD 001 0434

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1400E419-11/7-6 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.49

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-Q2

PLATE#:
COMMENTS:A FEW TI FIBERS.

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1400E1000-11/7-6 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. Bolt DATE: 11/20/90

ABD 001 0436

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1400E1000-11/7-6 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.50

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: 1-06

PLATE#:
COMMENTS:

ABD 001 0437

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1410E510-11/7-6 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= 4.1 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 9.399999E-02 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= 8.999999E-02 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 0438

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 52.676 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. Robi DATE: 11.20.90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1410E510-11/7-6 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.51

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-X2											
1	1	M	1.3	.06	0	.05	CH	FV	.01014	0- 7- 10- 1- 2	
1	2	M	1.5	.1	0	.1	CH	ST	.039		
1	3	M	2.5	.1	0	.1	CH	FV	.065	0- 8- 10- 2- 2	
1	4	M	8.5	.1	0	.1	CH	ST	.221		
1	5	M	6.7	.11	0	.1	CH	ST	.19162	0- 8- 10- 1- 1	Y

PLATE#: 577
COMMENTS:

ABD 001 0439

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1415E231-11/8-6 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= 1.4 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 9.000001E-02 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= 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 0440

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 8.357894 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: 11/21/90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1415E231-11/8-6 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.39

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-T1											
1	1	F	2.7	.1	27	0	CH	FV	5.513494E-02		
										0- 7- 10- 1- 2	
1	2	M	.8	.1	0	.1	CH	FV	.0208	0- 7- 10- 1- 1	
1	3	M	.7	.07	0	.06	CH	FV	7.643999E-03		

PLATE#:
COMMENTS:

ABD 001 0441

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1415E231-11/8-24 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= 100 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 2.1 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .12 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 0442

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 6.551999 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. Bobyl DATE: 12/16/91

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1415E231-11/8-24 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): 40
MAGNIFICATION: 18000 TOTAL AREA EXAMINED: .01 (SQ.MM)
ANALYZED BY: E. DOBI: DATE: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.39

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
BEGIN GRID OPENING NO. 1 LOCATED: 1-P1										
1	1	M	2.1	.12	0	.1	CH	ST	6.551999E-02	0- 8- 10- 0- 0

PLATE#:
COMMENTS:

ABD 001 0443

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1420E450-11/6-6 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= .6 MICRONS (ALL STRUCTURES)
MEAN WIDTH= 0 MICRONS (ALL STRUCTURES)
MEAN THICKNESS= .1 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= 1.8 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 P. Bolz DATE: 11/17/90

ABD 001 0444

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1420E450-11/6-6 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: 11-17-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.22

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-V2											
1	1	M	.6	.1	0	.1	AM	ST	.018	0- 2- 10- 1- 8	

PLATE#: 574
COMMENTS:

ABD 001 0445

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1425E400-11/6-6 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= 1.475 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .0925 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= .0875 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

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 13.3952 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: Ernesto T. Roby DATE: 11/17/90

ABD 001 0446

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1425E400-11/6-6 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: 11-17-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.26

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-X2											
1	1	M	.8	.1	0	.1	CH	FV	.0208	0- 7- 10- 2- 2	
1	2	M	4	.1	0	9.000001E-02					
							CH	ST	9.360001E-02		
										0- 8- 10- 1- 2	
1	3	M	.6	.07	0	.06	CH	FV	.006552		
1	4	M	.5	.1	0	.1	CH	FV	.013		

PLATE#:
COMMENTS:

ABD 001 0447

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1440E300-11/6-6 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= 1700 STRUCTURES/SQUARE MM.

II ASBESTOS CHARACTERISTICS

A) CHRYSOTILE:
MASS= 0 PICOGRAMS/LITER
MEAN LENGTH= 6.682354 MICRONS (ALL STRUCTURES)
MEAN WIDTH= .1035294 MICRONS (ALL STRUCTURES)
MEAN THCKNESS= 8.875001E-02 MICRONS(BUNDLE,CLUSTER,MATRIX STRUCTURES

B) AMPHIBOLES:
NONE OBSERVED

III COUNTING DATA

A) TOTAL GRID OPENINGS EXAMINED= 1

B) TOTAL STRUCTURES INVESTIGATED= 17

C) TOTAL ASBESTOS- CONTAINING STRUCTURES OBSERVED= 17
NO.CHRYSOTILE FIBERS= 1
NO.CHRYSOTILE BUNDLES,CLUSTERS,MATRIX STRUCTURES= 16
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 0448

IV FILTER LOADING DATA

A) TOTAL ASBESTOS MASS= 316.3828 PICOGRAMS PER SQUARE MILLIMETER
B) TOTAL ASBESTOS COUNT= 1700 STRUCTURES PER SQUARE MILLIMETER
C) TOTAL STRUCTURES INVESTIGATED= 1700 STRUCTURES PER SQUARE MILLIMETER
D) DETECTION LIMIT (ESTIMATED NOT TO EXCEED): 100 STRUCTURES/SQ.MM

RESPECTFULLY SUBMITTED: Ernest T. [illegible] DATE: 11.14.90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1440E300-11/6-6 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: 11-14-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.19

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	
BEGIN GRID OPENING NO. 1 LOCATED: 1-Q6											
1	1	M	4.9	.08	0	.07	CH	FV	.071344	0- 8- 10- 2- 2	
1	2	M	2	.1	0	.1	CH	FV	.052		
1	3	M	3.5	.07	0	.06	CH	FV	.03822		
1	4	M	5	.06	0	.05	CH	FV	.039		Y
1	5	F	2	.07	28.6	0	CH	FV	2.001194E-02		
1	6	M	9	.1	0	.1	CH	ST	.234		Y
1	7	M	7	.12	0	.1	CH	NX	.2184	0- 7- 10- 1- 2	Y
1	8	M	6	.1	0	.1	CH	NX	.156	0- 9- 10- 0- 1	
1	9	M	5.5	.15	0	.12	CH	ST	.2574		
1	10	M	4.5	.1	0	.1	CH	NX	.117	0- 7- 10- 1- 2	
1	11	M	6.7	.08	0	.07	CH	FV	9.755199E-02		
1	12	M	1.5	.15	0	.1	CH	ST	.0585		
1	13	M	10	.1	0	.1	CH	NX	.26	0- 8- 10- 2- 2	Y
1	14	M	6	.12	0	.1	CH	NX	.1872	0- 7- 10- 2- 2	

ABD 001 0449

1	15	C	21	.1	0	.1	CH	FV	.546		Y
1	16	M	15	.2	0	.1	CH	ST	.78		Y
1	17	M	4	.06	0	.05	CH	NX	.0312	0- 7- 10- 1- 2	

PLATE#: 570
COMMENTS:

THIS PAGE INTENTIONALLY BLANK

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1445E695-11/7-6 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: 11/20/90

ABD 001 0452

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1445E695-11/7-6 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.53

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-Z4

PLATE#:
COMMENTS:

ABD 001 0453

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1445E695-11/7-6 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: 11.20.90

ABD 001 0454

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1445E695-11/7-6 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.53 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 >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-S6

PLATE#:
COMMENTS:

ABD 001 0455

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1450E600-11/7-6 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: 11.20.90

ABD 001 0456

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1450E600-11/7-6 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.54

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	E >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-P1

PLATE#:
COMMENTS:

ABD 001 0457

EASTERN ANALYTICAL LABORATORIES INC.

ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSOCOPY (TEM), LEVEL-II

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1450E600-11/7-6 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: 11.20.90

ABD 001 0458

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: NV-N1450E600-11/7-6 DUP. TYPE: SOIL PROJECT #: 1-635-195-02PA2-C
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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.54 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 >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-R1

PLATE#:
COMMENTS:

ABD 001 0459

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13509.CONTROL.A 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: 12/18/90

ABD 001 0460

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13509.CONTROL.A 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: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.CONT.A

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-B6

PLATE#:
COMMENTS:

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13509-CONTROL.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. [illegible] DATE: 12/5/90

ABD 001 0462

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13509-CONTROL.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: 12-15-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.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

BEGIN GRID OPENING NO. 1 LOCATED: 1-H5

PLATE#:
COMMENTS:

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13509 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 I. Doty 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: EAL13509 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: 12-12-1990 EAL JOB NO:13509
EAL SAMPLE NO: 13509.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-V5
BEGIN GRID OPENING NO. 2 LOCATED: 1-3.2
BEGIN GRID OPENING NO. 3 LOCATED: 1-W5
BEGIN GRID OPENING NO. 4 LOCATED: 1-W8
BEGIN GRID OPENING NO. 5 LOCATED: 1-X5
BEGIN GRID OPENING NO. 6 LOCATED: 2-H5
BEGIN GRID OPENING NO. 7 LOCATED: 2-O2
BEGIN GRID OPENING NO. 8 LOCATED: 2-I5
BEGIN GRID OPENING NO. 9 LOCATED: 2-P2
BEGIN GRID OPENING NO. 10 LOCATED: 2-J5

PLATE#:
COMMENTS:

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL-13268 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: 11/13/90

ABD 001 0466

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL-13268 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.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	L >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-O6											
BEGIN GRID OPENING NO. 2 LOCATED: 1-V1											
BEGIN GRID OPENING NO. 3 LOCATED: 1-N6											
BEGIN GRID OPENING NO. 4 LOCATED: 1-U1											
BEGIN GRID OPENING NO. 5 LOCATED: 1-M6											
BEGIN GRID OPENING NO. 6 LOCATED: 2-C2											
BEGIN GRID OPENING NO. 7 LOCATED: 2-C6											
BEGIN GRID OPENING NO. 8 LOCATED: 2-D6											
BEGIN GRID OPENING NO. 9 LOCATED: 2-E6											
BEGIN GRID OPENING NO. 10 LOCATED: 2-K6											

PLATE#:
COMMENTS:

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: 13306 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. Lebin 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: 13306 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.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-H5											
BEGIN GRID OPENING NO. 2 LOCATED: 1-O2											
BEGIN GRID OPENING NO. 3 LOCATED: 1-O3											
BEGIN GRID OPENING NO. 4 LOCATED: 1-O6											
BEGIN GRID OPENING NO. 5 LOCATED: 1-V1											
BEGIN GRID OPENING NO. 6 LOCATED: 2-C5											
BEGIN GRID OPENING NO. 7 LOCATED: 2-I2											
BEGIN GRID OPENING NO. 8 LOCATED: 2-D5											
BEGIN GRID OPENING NO. 9 LOCATED: 2-J2											
BEGIN GRID OPENING NO. 10 LOCATED: 2-J6											

PLATE#:
COMMENTS:

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13280 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. Robb DATE: 11/17/90

ABD 001 0470

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13280 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: 11-17-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.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-C5
BEGIN GRID OPENING NO. 7 LOCATED: 2-I2
BEGIN GRID OPENING NO. 8 LOCATED: 2-D5
BEGIN GRID OPENING NO. 9 LOCATED: 2-J2
BEGIN GRID OPENING NO. 10 LOCATED: 2-J6

PLATE#:
COMMENTS:

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: 13345+13320 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. Dobi DATE: 11/26/90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: 13345+13320 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: 11-26-1990 EAL JOB NO:13345
EAL SAMPLE NO: 13345.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-S1
BEGIN GRID OPENING NO. 2 LOCATED: 1-K6
BEGIN GRID OPENING NO. 3 LOCATED: 1-R1
BEGIN GRID OPENING NO. 4 LOCATED: 1-Q1
BEGIN GRID OPENING NO. 5 LOCATED: 1-I6
BEGIN GRID OPENING NO. 6 LOCATED: 2-B6
BEGIN GRID OPENING NO. 7 LOCATED: 2-I1
BEGIN GRID OPENING NO. 8 LOCATED: 2-C6
BEGIN GRID OPENING NO. 9 LOCATED: 2-J1
BEGIN GRID OPENING NO. 10 LOCATED: 2-D6

PLATE#:
COMMENTS:

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: 13305 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. Dohm DATE: 11,20,93

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: 13305 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.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	E >=

BEGIN GRID OPENING NO. 1 LOCATED: 1-N6
BEGIN GRID OPENING NO. 2 LOCATED: 1-N2
BEGIN GRID OPENING NO. 3 LOCATED: 1-O2
BEGIN GRID OPENING NO. 4 LOCATED: 1-P2
BEGIN GRID OPENING NO. 5 LOCATED: 1-J5
BEGIN GRID OPENING NO. 6 LOCATED: 2-U2
BEGIN GRID OPENING NO. 7 LOCATED: 2-U6
BEGIN GRID OPENING NO. 8 LOCATED: 2-V6
BEGIN GRID OPENING NO. 9 LOCATED: 2-W6
BEGIN GRID OPENING NO. 10 LOCATED: 2-X6

PLATE#:
COMMENTS:

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13306CONTROL 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: 11.21.90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13306CONTROL 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: 11-20-1990 EAL JOB NO:13306
EAL SAMPLE NO: 13306.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:

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13280CONTROL 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: 11/17/90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13280CONTROL 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: 11-17-1990 EAL JOB NO:13280
EAL SAMPLE NO: 13280.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-V1											
1	1	M	.9	.1	0	.1	NA	NP	0	0- 0- 10- 1- 1	

PLATE#:
COMMENTS:

ABD 001 0479

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13345CONTROL 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: 11/26/90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13345CONTROL 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: 11-26-1990 EAL JOB NO:13345
EAL SAMPLE NO: 13345.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-W6

PLATE#:
COMMENTS:

ABD 001 0481

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13320CONTROL 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: 11/26/90

ABD 001 0482

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13320CONTROL 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: 11-26-1990 EAL JOB NO:13320
EAL SAMPLE NO: 13320.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-X5

PLATE#:
COMMENTS:

ABD 001 0483

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13305CONTROL 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: 11.20.90

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: EAL13305CONTROL 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: 11-20-1990 EAL JOB NO:13305
EAL SAMPLE NO: 13305.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
---	---	---	---	---	---	---	---	---	---	---

BEGIN GRID OPENING NO. 1 LOCATED: 1-P1

PLATE#:
COMMENTS:

AED 001 0485

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: 13268CONTROL-EAL 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. Dolci DATE: 11/13/90

ABD 001 0486

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

CLIENT: ALLIANCE TECH. CORP. ATTENTION: EDWARD MACKINNON
SAMPLE: 13268CONTROL-EAL 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: 11-12-1990 EAL JOB NO:13268
EAL SAMPLE NO: 13268.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	L >=
BEGIN GRID OPENING NO. 1 LOCATED: 1-U5											

PLATE#:
COMMENTS:

ABD 001 0487

PROJECT Alliance

Notebook No. _____

Continued From Page _____

CLIENT SAMPLE NUMBER	LEAL Sample #	Sample Weight	Volume Filtered	Mass Programs	% Asbestos
N700E800-"/6-18"	13509.01	0.58	5ml	0	0
N800E900-"/6-18"	.02	0.50		0	0
N800E1100-"/7-18A	.03	0.50		0	0
N900E250-"/5-18	.04	0.58		0	0
N900E350-"/5-18A	.05	0.59		0	0
N900E800-"/6-18	.06	0.52		0	0
N900E1200-"/7-18A	.07	0.51		0	0
N950E300-"/6-18	.08	0.53		0	0
N950E400-"/6-18	.09	0.56		0	0
N1000E250-"/5-18	.10	0.51		0	0
N1000E250-"/5-18	.10 d	0.52		0	0
N1000E350-"/5-18	.11	0.54		0	0
N1000E450-"/5-18	.12	0.51		0	0
N1000E600-"/5-18	.13	0.53		3621.93	1.052410
N1037E550-"/8-18A	.14	0.51		3473.947	1.048996
N1050E300-"/6-18	.15	0.52		0	0
N1062E429-"/9-24	.16	0.51		0	0
N1100E250-"/5-18A	.17	0.53		0.676	0.000196
N1100E560-"/9-24	.18	0.54		1177.9223	0.335926
N1100E700-"/9-24A	.19	0.50		0	0
N1100E1500-"/8-18	.20	0.51		0	0
N1100E1500-"/8-18	.20 d	0.52		0	0
N1140E358-"/6-18	.21	0.53		343.7696	0.099888
N1150E207-"/6-18A	.22	0.55		40.8928	0.011450
N1150E300-"/6-18	.23	0.55		38.7444	0.010848
N1150E700-"/12-24	.24	0.57		0	0
N1173E322-"/8-72	.25	0.52		0	0
N1190E465-"/7-24	.26	0.57		1.3	0.000351
N1200E207-"/8-18A	.27	0.56		0	0
N1200E293-"/7-72	.28	0.52		0	0
N1250E225-"/8-24	.29	0.53		3.352435	0.000974
N1250E300-"/7-24	.30	0.53		182.702	0.053087
N1250E300-"/7-24	.30 d	0.54	✓	0.51067	0.000

Continued on Page

Read and Understood By

Jonathan M. Green — Signed — 12/6/90 — Date

Ernest T. Dilli — Signed — 12/17/90 — Date

PROJECT Alliance

Continued From Page _____

CLIENT SAMPLE NUMBER	TEM EAL Sample #	Sample Weight	Volume Filtered	Mass Picograms	% Asbestos
N1250 E 450 - 11/7 - 24	13509.31	0.54	5mL	1.17	0.000334
N1300 E 206 - 11/8 - 18	.32	0.51		0	0
N1300 E 400 - 11/7 - 48	.33	0.50		0	0
N1300 E 1200 - 11/7 - 18	.34	0.51		0	0
N1327 E 374 - 11/7 - 24	.35	0.60		5.24116	0.001345
N1350 E 466 - 11/7 - 24	.36	0.51		0	0
N1400 E 225 - 11/8 - 24	.37	0.51		0	0
N1400 E 341 - 11/7 - 24	.38	0.51		0	0
N1415 E 231 - 11/8 - 24	.39	0.52		6.551999	0.001940
	13509. cont A	0.00		0	0
	13509. cont B	0.00	✓	0	0
	13509. LB			0	

Continued on Page

Read and Understood By

Jerrett Mann — Signed — 12/6/90 — Date

Ernest T. [illegible] — Signed — 12/17/90 — Date

13545

Notebook No. _____ 11

PROJECT Alliance

Continued From Page _____

Client TEM Sample #	EAL Sample #	Sample Weight	Volume Filtered	Mass Picograms	% Asbestos
NV-N300E600-1/5-6	13268.01	0.60g	5ml	1.7472	0.000448%
~~NVR-N1100-E350 1/5 6~~	.01d	0.61g	"	0.0	0.0%
NVR-N1100-E350-1/5-6	.02	0.59g		0.0	0.0%
" "	.02d	0.68		0.0	0.0%
NV-N750E300-1/5-6B	.03	0.59		0.0	0.0%
NV-N750E450-1/5-6	.04	0.68		0.0	0.0%
NV-N750E300-1/5-6A	.05	0.56		0.0	0.0%
NV-N800E250-1/5-6	.06	0.53		24.96	0.007253%
NV-N800E362-1/5-6	.07	0.51		0.0	0%
NV-N900E250-1/5-6	.08	0.58		5.2	0.001381%
NV-N900E300-1/5-6	.09	0.56		10.8	0.002970%
NV-N900E350-1/5-6A	.10	0.55		1.3	0.000364%
NV-N900E350-1/5-6B	.11	0.56		14.716	0.004047%
NV-N900E450-1/5-6	.12	0.55		3.276	0.000917%
NV-N900E600-1/5-6	.13	0.61		0.0	0.0%
NV-N1000E250-1/5-6	.14	0.53		3.2292	0.000858%
NV-N1000E300-1/5-6	.15	0.52		11.07261	0.003281%
NVR-N1000E350-1/5-6	.16	0.67		25.34919	0.005827%
NVR-N1000E450-1/5-6	.17	0.57		0.0	0.0%
NV-N1000E600-1/5-6	.18	0.59		52.29954	0.013851%
NV-N1000E700-1/5-6	.19	0.57		0.0	0.0%
NV-N1095E300-1/5-6	.20	0.53		103.8986	0.030189%
NV-N1100E250-1/5-6A	.21	0.60		3.978	0.001021%
NV-N1100E300-1/5-6	.22	0.56		8.32	0.002288%
NV-N1100E600-1/5-6	.23	0.54		1012.687	0.288803%
NV-N1150E500-1/5-6	.24	0.69		0.0	0.0%
NV-N1200E600-1/5-6	.25	0.62		0.9827999	0.000249%
NV-N1250E500-1/5-6	.26	0.70		0.0	0.0%
	cont.				0.0%

Continued on Page

Read and Understood By

John H Knowles — Signed — 11-8-90 — Date

Ernest T. Dobi — Signed — 11.14.90 — Date

ABD 001 0490

Notebook No. _____

PROJECT Alliance

Continued From Page _____

Client TEM Sample #	EAL Sample #	Sample Weight	Volume filtered	Mass picograms	% Asbestos
NV-N700E900-11/6-6	13280.02	0.52g	5 ml	0.0	0.0%
NV-N900E1000-11/6-6	.03	0.59	"	0.0	0.0%
" "	.03d	0.58		0.0	0.0%
NV-N700E800-11/6-6	.04	0.56		0.0	0.0%
NV-N700E700-11/6-6	.05	0.56		0.0	0.0%
NV-N1000E900-11/6-6	.06	0.60		0.948314	0.000235%
NV-N800E900-11/6-6	.07	0.53		0.0	0.0%
NV-N900E800-11/6-6	.08	0.58		0.0	0.0%
NV-N900E900-11/6-6	.09	0.53		0.0	0.0%
NV-N822E600-11/6-6	.10	0.57		0.0	0.0%
NV-N1000E1000-11/6-6	.11	0.59		0.728	0.000197
NV-N1250E350-11/6-6	.13	0.73		0.0	0.0%
NV-N1200E800-11/6-6	.14	0.60		4238.728	1.087947
NV-N1000E800-11/6-6	.16	0.61		0.0	0.0%
NV-N1350E400-11/6-6	.17	0.80		0.0	0.0%
NV-N1300E300-11/6-6	.18	0.68		0.0	0.0%
NV-N1400E300-11/6-6	.19	0.55		316.3828	0.088587%
NV-N900E700-11/6-6B	.20	0.60		0.0	0.0%
NV-N900E700-11/6-6A	.21	0.72		0.0	0.0%
NV-N1420E450-11/6-6	.22	0.67		1.8	0.000414
NV-N1250E400-11/6-6	.23	0.57		1.785597	0.00048
NV-N400E400-11/6-6	.24	0.56		1.3	0.000358
NV-N800E700-11/6-6	.25	0.69		0.0	0.0%
NV-N1425E400-11/6-6	.26	0.66		13.3952	0.003126%
NV-N1300E350-11/6-6	.27	0.64		0.0	0.0%
" "	.27d	0.68		0.0	0.0%
———	cont.			0.0	0.0%
NV-N1300E300-11/6-6	.18d	0.68		0.0	0.0%

Continued on P

Read and Understood By

John H. Knowles — Signed — 11-13-90 — Date

Ernest T. Obi — Signed — 11.17.90 — Date

PROJECT Alliance

Notebook No. _____

Continued From Page _____

Client TEM Sample #	EAL Sample #	Sample Weight	Volume filtered	Mass picograms	% Asbestos
NV-N500E1200-11/7-6	13305.07	0.61 g	5 mL	0.0	0.0%
NV-N500E1300-11/7-6	.08	0.57 g		0.0	0.0%
NV-N600E1100-11/7-6	.09	0.58 g		0.0	0.0%
NV-N600E1200-11/7-6	.10	0.56 g		0.0	0.0%
NV-N700E1000-11/7-6	.11	0.63		0.0	0.0%
NV-N700E1100-11/7-6	.12	0.73		0.0	0.0%
NV-N700E1200-11/7-6	.13	0.55		0.0	0.0%
NV-N800E1000-11/7-6	.14	0.59		0.0	0.0%
" "	.14d	0.54		0.0	0.0%
NV-N800E1100-11/7-6A	.15	0.51		0.0	0.0%
NV-N800E1100-11/7-6B	.16	0.55		0.0	0.0%
NV-N800E1200-11/7-6	.17	0.58		0.0	0.0%
NV-N800E1300-11/7-6	.18	0.54		0.0	0.0%
NV-N900E1100-11/7-6	.19	0.67		0.0	0.0%
NV-N900E1200-11/7-6A	.20	0.59		0.0	0.0%
NV-N900E1200-11/7-6B	.21	0.64		0.0	0.0%
NV-N900E1300-11/7-6	.22	0.60		0.0	0.0%
" "	.22d	0.56		3.12	0.00858%
NV-N1000E1100-11/7-6	.23	0.53		1450.487	0.42146 2%
NV-N1000E1275-11/7-6	.24	0.52		1178.209	0.34893 1%
NV-N1100E1250-11/7-6	.25	0.63		10.4	0.00254 2%
NV-N1150E450-11/7-6	.26	0.68		143.2675	0.03244 6%
NV-1190E465-11/7-6	.27	0.59		0.0	0.0%
NV-N1200E1200-11/7-6	.30	0.54		8.45	0.00241%
" "	.30d	0.58		0.0	0.0%
NV-N1200E1292-11/7-6	.31	0.52		0.0	0.0%
NV-N1250E390-11/7-6	.33	0.54		0.0	0.0%
NV-N1250E450-11/7-6	.34	0.55		0.0	0.0%
NV-N1300E300-11/7-6	.35	0.52		0.0	0.0%
NV-N-1300E400-11/7-6	.36	0.53		58.73642	0.01706 7
NV-N1300E462-11/7-6	.37	0.66		0.546	0.00012 7%
NV-N1300E1100-11/7-6	.38	0.50		0.0	0.0%

ABD 001 0492

Continued on Page 15

Read and Understood By

Signed _____ Date _____ Signed Ernest T. [illegible] Date 11.20.95

PROJECT Alliance

Continued From Page 14

Client TEM Sample #	EAL Sample #	Sample Weight	Volume Filtered	Mass picograms	% Asbestos
NV-N1300E1200-1½-6	13305.39	0.65g	5mL	0.8840011	0.000209%
NV-N1300E1300-1½-6	.40	0.60		0.0	0.0%
NV-N1327E379-1½-6	.41	0.55		0.0	0.0%
NV-N1338E350-1½-6	.42	0.57		0.0	0.0%
NV-N1350E300-1½-6	.43	0.53		0.0	0.0%
NV-N1350E466-1½-6	.44	0.55		0.0	0.0%
NV-N1352E1300-1½-6	.45	0.61		0.0	0.0%
NV-N1375E1100-1½-6	.46	0.55		0.0	0.0%
NV-N1375E1200-1½-6	.47	0.58		0.0	0.0%
NV-N1400E341-1½-6	.48	0.59		2.840442	0.000741%
NV-N1400E419-1½-6	.49	0.53		0.0	0.0%
NV-N1400E1000-1½-6	.50	0.56		0.0	0.0%
NV-N1410E510-1½-6	.51	0.61		52.676	0.013299%
NV-N1445E695-1½-6	.53	0.52		0.0	0.0%
" "	.53d.	0.59		0.0	0.0%
NV-N1450E600-1½-6	.54	0.57		0.0	0.0%
" "	.54d.	0.58		0.0	0.0%
EAL 13305 Control	cont.	—	✓	0.0	0.0%

Continued on Page

Read and Understood By

Signed	Date	Signed	Date
		Ernest T. Obi	11.20.90

PROJECT Alliance

Notebook No. _____

Continued From Page _____

Client Item Sample #	EAL Sample ID	Sample weight	Volume filtered	Mass Picograms	% Asbestos
NV-N700E1400-11/4-6	13306.08	0.53	5ml	0	0.0%
NV-N800E1400-11/8-6	.09	0.53		0	0.0%
NV-N850E1450-11/8-6	.10	0.51		0	0.0%
NV-N950E1450-11/8-6	.11	0.50		0	0.0%
NV-N1000E1500-11/8-6	.13	0.52		0	0.0%
NV-N1050E550-11/8-6	.16	0.51		0	0.0%
NV-N1100E1500-11/8-6	.17	0.51		0	0.0%
NV-N1150E550-11/8-6	.18	0.51		4.08407	0.001233
NV-N1200E207-11/8-6A	.21	0.53		58.202622	0.017916
NV-N1200E207-11/8-6B	.22	0.52		6.2556	0.001853
NV-N1250E209-11/8-6	.24	0.51		0	0.0%
NV-N1250E225-11/8-6	.25	0.50		8.843046	0.002722
NV-N1250E550-11/8-6	.27	0.50		0	0.0%
NV-N1300E206-11/8-6	.28	0.51		2.550746	0.00077
NV-N1300E225-11/8-6	.29	0.55		6.5	0.00182
NV-N1300E250-11/8-6	.30	0.52		0	0.0%
NV-N1300E1500-11/8-6	.31	0.52		0	0.0%
NV-N1300E1550-11/8-6	.32	0.53		0	0.0%
NV-N1300E1600-11/8-6	.33	0.50		0	0.0%
NV-N1350E210-11/8-6	.34	0.51		10.764	0.003325
NV-N1350E225-11/8-6	.35	0.51		12.72185	0.003841
NV-N1400E225-11/8-6	.36	0.51		1.56	0.00047
NV-N700E1400-11/8-6	.08d	0.50		0	0.0%
NV-N100E1500-11/8-6	.17d	0.53		0	0.0%
	13306.conc	.50		0	0.0%
NV-N400E250-11/8-6	.38	0.51		4.0872	0.001233
NV-N415E231-11/8-6	.39	0.56		8.357814	0.002299

Continue

ABD 001 0494

Read and Understood By

Jonathan Green — Signed — 11/20/90 — Date

Ernest T. Abi — Signed — 11-21 — Date

PROJECT Alliance

Continued From Page _____

Client TEM Sample #	EAL Sample ID	Sample weight	Volume Filtered	Mass Filtered	% Asbestos
NV-N1062E429-11/9-6	13320.08	0.51	5 ml	1.56	0.000471%
NV-N1150E235-11/9-6	.09	0.50		0.0	0.0%
NV-N1150E250-11/9-6	.10	0.51		0.0	0.0%
NV-N1063E300-11/9-6	.12	0.50		0.0	0.0%
NV-N1021E395-11/9-6	.13	0.51		0.0	0.0%
NV-N900E550-11/9-6	.16	0.50		3.9	0.001201%
NV-N1063E429-11/9-6	13320.08d	0.50		0.0	0.0%
	13320. cont			0.0	0.0%
NV-N900E500-11/13-6	13345.06	0.51		1.9812	0.000598%
NV-N200E225-11/13-6	" .07	0.52		44.32754	0.013128%
NV-N130E327-11/13-6	" .10	0.50		0.0	0.0%
NV-N900E500-11/13-6	13345.06d	0.51		0.0	0.0%
	13345 cont			0.0	0.0%

Continued on Page

Read and Understood By

Jonathan Moon 11/26/90 — Signed, Date

Ernest T. Abby 11.26.90 — Signed, Date

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

11-15-1990 EAL JOB# 13306 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.12) N1000E550-11/8-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: GRAY & GREEN TILE

30 PERCENT TOTAL ASBESTOS
: 30 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
:

70 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 13% LOSS ON ASHING

DATE: 11-15-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13306 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.15) N1037E550-11/8-6A LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: GRAY TILE & BROWN SOIL

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):	
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

80 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 8% LOSS ON ASHING

DATE: 11-15-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13306 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.14) N1037E550-11/8-68 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: GRAY 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):	
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: 11-15-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13329 W K BARNETT

CLIENT: ALLIANCE TECH. CORP., LOWELL, MA

SAMPLE NO.: !(.12) N1071E1100-11/12-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: TAN CLAYEY SOIL

10 PERCENT TOTAL ASBESTOS
: 10 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

NO NON-ASBESTOS FIBER DETECTED
:

90 PERCENT TOTAL NON-FIBER MATTER
: LIME 7 % LOSS ON ASHING

DATE: 11-15-1990 SIGNED: W K Barnett

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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13320 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.11) N1100E560-11/9-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: GRAY TILE & 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):	
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

99+ PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 13% LOSS ON ASHING

DATE: 11-15-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

ABD 001 0500

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

11-15-1990 EAL JOB# 13320 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.15) NV-N1100E600-11/9-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: LIGHT GRAY PUTTY-LIKE MASS

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
: OPAQUES/PAINT CHIPS (TiO2 ?) 9% LOSS ON ASHING

DATE: 11-15-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

ABD 001 0501

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

11-15-1990 EAL JOB# 13320 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.06) NV-N1100E700-11/9-6A LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

NO ASBESTOS DETECTED

Immersion Media:..... 1.590HD

NO NON-ASBESTOS FIBER DETECTED

100 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 2% LOSS ON ASHING

DATE: 11-15-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13320 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.07) N1100E700-11/9-6B 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 7% LOSS ON ASHING

DATE: 11-15-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-13-1990 EAL JOB# 13280 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.01) N1100E800-11/6-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

3 PERCENT TOTAL ASBESTOS
: 3 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
:

97 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 9% LOSS ON ASHING

DATE: 11-13-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

ABD 001 0504

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

11-13-1990 EAL JOB# 13280 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.15) N1100E900-11/6-6 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: 11-13-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13280 W K BARNETT

CLIENT: ALLIANCE TECH. CORP., LOWELL, MA

SAMPLE NO.: (.15d) N1100E900-11/6-6A LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

NO ASBESTOS DETECTED

Immersion Media:..... 1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

100 PERCENT TOTAL NON-FIBER MATTER
: CLAY MINERAL GRAINS

DATE: 11-15-1990 SIGNED: W K Barnett

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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-13-1990 EAL JOB# 13280 DK

CLIENT:

SAMPLE NO.: (.29) N1100E900-11/6-6B LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: WET 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):	
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

99+ PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 7% LOSS ON ASHING

DATE: 11-13-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13329 W K BARNETT

CLIENT: ALLIANCE TECH. CORP., LOWELL, MA

SAMPLE NO.: (.10)N1100E950-11/12-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: TAN CLAYEY SOIL

5 PERCENT TOTAL ASBESTOS
: 5 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

NO NON-ASBESTOS FIBER DETECTED
:

95 PERCENT TOTAL NON-FIBER MATTER
: LIME 6% LOSS ON ASHING

DATE: 11-15-1990 SIGNED: W K Barnett

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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13329 W K BARNETT

CLIENT: ALLIANCE TECH. CORP., LOWELL, MA

SAMPLE NO.: (.11) N1128E800-11/12-6A LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: TAN LOAMY SOIL

10 PERCENT TOTAL ASBESTOS
: 10 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

NO NON-ASBESTOS FIBER DETECTED
:

90 PERCENT TOTAL NON-FIBER MATTER
: LIME 4% LOSS ON ASHING

DATE: 11-15-1990 SIGNED: W K Barnett

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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

ABD 001 0509

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

11-15-1990 EAL JOB# 13329 W K BARNETT

CLIENT: ALLIANCE TECH. CORP., LOWELL, MA

SAMPLE NO.: (.13) N1128E800-11/12-6B LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: TAN CLAYEY SOIL

5 PERCENT TOTAL ASBESTOS
: 5 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

NO NON-ASBESTOS FIBER DETECTED
:

95 PERCENT TOTAL NON-FIBER MATTER
: LIME 18% LOSS ON ASHING

DATE: 11-15-1990 SIGNED: W K Barnett

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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13329 W K BARNETT

CLIENT: ALLIANCE TECH. CORP., LOWELL, MA

SAMPLE NO.: (.07) N1150E700-11/12-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: RED/BROWN LOAMY SOIL

TRACE (LESS THAN ONE PERCENT) ASBESTOS DETECTED
: 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

NO NON-ASBESTOS FIBER DETECTED
:

99+ PERCENT TOTAL NON-FIBER MATTER
: CLAY 5% LOSS ON ASHING

DATE: 11-15-1990 SIGNED: W K Barnett

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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

ABD 001 0511

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

11-13-1990 EAL JOB# 13280 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.12) N1150E800-11/6-6 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 15% LOSS ON ASHING

DATE: 11-13-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13306 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.19) N1173E322-11/8-6 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):	
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: 11-15-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13306 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.20) N1181E250-11/8-6 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):	
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: 11-15-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13329 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.09) N1190E1165-11/12-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: GRAY & RED CRUMBLY PLASTER-LIKE

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):	
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

90 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 19% LOSS ON ASHING

DATE: 11-15-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13306 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.23) N1200E250-11/8-6 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 7% LOSS ON ASHING

DATE: 11-15-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-13-1990 EAL JOB# 13305 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.28) N1200E293-11/7-6 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):	
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: 11-13-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-13-1990 EAL JOB# 13305 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.29) N1200E425-11/7-6 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: 11-13-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13305 W K BARNETT

CLIENT: ALLIANCE TECH. CORP., LOWELL, MA

SAMPLE NO.: (.29d) N1200E425-11/7-6 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
: CLAY 3% LOSS ON ASHING

DATE: 11-15-1990 SIGNED: W K Barnett

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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-13-1990 EAL JOB# 13305 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.32) N1200E300-11/7-6 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 5% LOSS ON ASHING

DATE: 11-13-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13345 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.08) NV-N1224E320-11/13-6A LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

NO ASBESTOS DETECTED

Immersion Media:..... 1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

100 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 1% LOSS ON ASHING

DATE: 11-15-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-16-1990 EAL JOB# 13345 W K BARNETT

CLIENT: ALLIANCE TECH. CORP., LOWELL, MA

SAMPLE NO.: (.08) NV-N1224E320-11/13-6A DUPLICATE LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.:

NO ASBESTOS DETECTED

Immersion Media:..... 1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

100 PERCENT TOTAL NON-FIBER MATTER
: CLAY MINERAL GRAINS

DATE: 11-16-1990 SIGNED: Willa K Barnett

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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13345 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.09) NV-N1224E320-11/13-6B 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 3% LOSS ON ASHING

DATE: 11-15-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13329 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.08) N1238E1000-11/12-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: GRAY 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: 11-15-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-16-1990 EAL JOB# 13329 W K BARNETT

CLIENT: ALLIANCE TECH. CORP., LOWELL, MA

SAMPLE NO.: (.08) N1238E1000-11/12-6 DUPLICATE LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: SOIL

NO ASBESTOS DETECTED

Immersion Media:..... 1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

100 PERCENT TOTAL NON-FIBER MATTER
: CLAY MINERAL GRAINS

DATE: 11-16-1990 SIGNED: Wilda K Barnett

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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13306 W K BARNETT

CLIENT: ALLIANCE TECH. CORP., LOWELL, MA

SAMPLE NO.: (.26d) N1250E250-11/8-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN SOIL

20 PERCENT TOTAL ASBESTOS
: 20 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

NO NON-ASBESTOS FIBER DETECTED
:

80 PERCENT TOTAL NON-FIBER MATTER
: LIME 4% LOSS ON ASHING

DATE: 11-15-1990 SIGNED: W K Barnett

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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

ABD 001 0526

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

11-15-1990 EAL JOB# 13306 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.26) N1250E250-11/8-6 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):	
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

95 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 9% LOSS ON ASHING

DATE: 11-15-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13329 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.16) N1250E800-11/12-6 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: 11-15-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13329 W K BARNETT

CLIENT: ALLIANCE TECH. CORP., LOWELL, MA

SAMPLE NO.: (.14) N1250E900-11/12-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: RED/BROWN SOIL

NO ASBESTOS DETECTED

Immersion Media:..... 1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

100 PERCENT TOTAL NON-FIBER MATTER
: CLAY 3% LOSS ON ASHING

DATE: 11-15-1990 SIGNED: W K Barnett

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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

ABD 001 0529

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

11-15-1990 EAL JOB# 13306 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.36) N1350E250-11/8-6 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 5% LOSS ON ASHING

DATE: 11-15-1990 SIGNED: Dan Gillin

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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13329 W K BARNETT

CLIENT: ALLIANCE TECH. CORP., LOWELL, MA

SAMPLE NO.: (.15) N1400E900-11/12-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: BROWN LOAMY SOIL

NO ASBESTOS DETECTED

Immersion Media:..... 1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

100 PERCENT TOTAL NON-FIBER MATTER
: CLAY 5% LOSS ON ASHING

DATE: 11-15-1990 SIGNED: W K Barnett

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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-13-1990 EAL JOB# 13305 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.52) N1419E300-11/7-6 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 4% LOSS ON ASHING

DATE: 11-13-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13306 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.40) N1425E250-11/8-6 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):	
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: 11-15-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-13-1990 EAL JOB# 13280 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.28) N1450E250-11/6-6 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: WET 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):	
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

99+ PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 9% LOSS ON ASHING

DATE: 11-13-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-13-1990 EAL JOB# 13305 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.55) UNKNOWN-11/7 LOCATION:
SAMPLE GROSS APPEARANCE: MIXED FIBROUS & NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: WHITE FINISHED GRAY ACOUSTIC 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):	
Dispersion Staining:..	NO
Other Features:.....	
Immersion Media:.....	1.590HD

NO NON-ASBESTOS FIBER DETECTED
:

80 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 20% LOSS ON ASHING

DATE: 11-13-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13320 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.14) UNKNOWN 2-11/9 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: GRAY TILE

50 PERCENT TOTAL ASBESTOS
: 50 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
:

50 PERCENT TOTAL NON-FIBER MATTER
: MINERAL GRAINS 2% LOSS ON ASHING

DATE: 11-15-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

ABD 001 0536

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

11-16-1990 EAL JOB# 13320 W K BARNETT

CLIENT: ALLIANCE TECH. CORP., LOWELL, MA

SAMPLE NO.: (.14) UNKNOWN 2-11/9 DUPLICATE LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: SOIL

40 PERCENT TOTAL ASBESTOS
: 40 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

NO NON-ASBESTOS FIBER DETECTED
:

60 PERCENT TOTAL NON-FIBER MATTER
: LIME CLAY

DATE: 11-16-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

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

11-15-1990 EAL JOB# 13329 DK

CLIENT: ALLIANCE

SAMPLE NO.: (.06) UNKNOWN #3 11/12 LOCATION:
SAMPLE GROSS APPEARANCE: NON-FIBROUS, FRIABLE
COLOR, TEXTURE, ETC.: PURE WHITE PUTTY-LIKE

NO ASBESTOS DETECTED

Immersion Media:..... 1.590HD

NO NON-ASBESTOS FIBER DETECTED

100 PERCENT TOTAL NON-FIBER MATTER
: LIME 10% GAIN (?!) ON ASHING

DATE: 11-15-1990 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).

Accreditation in no way constitutes or implies product certification, approval or endorsement by NBS.

THIS PAGE INTENTIONALLY BLANK

ABD 001 0539

APPENDIX B
AIR SAMPLING DATA SHEETS

ALLIANCE
Technologies Corporation

THIS PAGE INTENTIONALLY BLANK

EAC 13266

TRC REPORT - ASBESTOS FIBERS IN AIR

CLIENT: EPA
ADDRESS: 257 New Vernon Rd
Millington NJ

PROJECT #: 1635-02 PA 2-0
SAMPLER: T. Ludovico
ANALYST:
LAB #:

DATE: 11/5/90
DATE:
PAGE ___ OF ___

	.27	.28	.29, .29d	.30	.31	
PARAMETER	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 6
FIELD SAMPLE NUMBER	AMB-11/5-up	AMB-11/5-DN	AMB-11/5-01	AMB-11/5-FB1	AMB-11/5-FB2	
SAMPLING LOCATION/ COMMENTS	15' East of Marker N1000 E900	10' East of marker N1300 E250	Rick Ramuglia Personal Air Sample	Field Blank	Field Blank	
PUMP NUMBER	107575	IL-900012	IL 890000560 NMC			
START TIME	1135	1329	1335			
FINISH TIME	1633	1637	1645			
ELAPSED TIME (T), min.	298 min.	188 min.	190 min.	min.	min.	min.
FLOW RATE	1.76 lpm	8.84 lpm	1.57 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:

Sample AMB-11/5-DN fell down. The cassette landed with the open end up. Sample was recoverable. Winds brisk from E. to west.

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.

CHAIN OF CUSTODY RECORD
WATER & WASTEWATER

CONTRACT NO: 1-635-195-0-2PA2-0

SAMPLERS (Signatures): Tom Ludovico

ANALYSES

Sample Code	Seq. No.	Date	Source Description	Container Size	Container G/P	Volatile Organics	Extractable Org.	Pesticides/PCBs	Trace Elements	Cyanide	Phenols	Phase Contrast M								COMMENTS
AMB-11/5-UP			Area Sample-Upwind	25							X									
AMB-11/5-DW			Area Sample-Downwind	↓							X									
AMB-11/5-01			Personal-Rick Ramaglia								X									
AMB-11/5-FB1			Field Blank								X									
AMB-11/5-FB2			" ↓ "	↓							X									

Relinquished by:	Date/Time	Received by:	Relinquished by:	Date/Time	Received by:
T. Ludovico	11/5/90 17:19	Fed-Exp			
Fed-Exp		[signature]			
[signature]	11/6 1030	[signature] 11/06/90 10:30am	REMARKS:		

ALLIANCE Technologies Corporation

ABD 001 0543

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.: 13268 11-07-1990

SAMPLE: (.27) AMB-11/5-UP
LOCATION: UPWIND
Volume Sampled in Liters: 524 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) : 0.0009
TOTAL FIBER LOAD (PER MM SQ): 2.546
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 2)
OPERATOR
COMMENTS:

SAMPLE: (.28(AMB-11/5-DN
LOCATION: DOWNWIND
Volume Sampled in Liters: 1662 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): 3.820
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 3)
OPERATOR
COMMENTS:

SAMPLE: (.29) AMB-11/5-01
LOCATION: RICK R.
Volume Sampled in Liters: 298 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS LESS THAN 0.0016

Suspect Fiber Concentration per cc: 0.000
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0016
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)
-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.: 13268 11-07-1990

SAMPLE: (.29 DUP.) AMB-11/5-01
LOCATION: RICK R.
Volume Sampled in Liters: 298 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS LESS THAN 0.0016

Suspect Fiber Concentration per cc: 0.000
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0016
TOTAL FIBER LOAD (PER MM SQ): 0.000
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 0)
OPERATOR
COMMENTS:

SAMPLE: (.30) AMB-11/5-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: (.31) AMB-11/5-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 - ASBESTOS FIBERS IN AIR

CLIENT: EPA
ADDRESS: 257 - New Vernon Road
Millington, New Jersey

PROJECT #: 1635-0-2 PA 2-0
SAMPLER: FRED MADORMA
DATE: 11/06/90
ANALYST:
DATE:
LAB #:
PAGE 1 OF 1

PARAMETER	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 6	Sample #7
FIELD SAMPLE NUMBER	AMB-11/6-UP	AMB-11/6-DN	AMB-11/6-01	AMB-11/6-02	AMB-11-6-FB1	AMB-11-6-FB2	AMB11-6-03
SAMPLING LOCATION/ COMMENTS Daily Air. Samples taken during soil [redacted] sampling and drilling	UPSTREAM AIR SAMPLE 10' SOUTH OF NVN 1150 E500	DOWNSTREAM AIR SAMPLE 100' WEST OF NVN 1150 E500	PERSONAL AIR SAMPLE TOM LUDOVICO IL88000560	PERSONAL AIR SAMPLE RICK RAMUIA	FIELD BLANK #1	FIELD BLANK #2 [redacted]	Personal Sample FRED MADORMA IL88000
PUMP NUMBER	07828	07575	[redacted]	IL88000586	—	—	
START TIME	0830	0830	1400	1400	—	—	1400
FINISH TIME	1730	1730	1700	1700	—	—	1700
ELAPSED TIME (T), min.	540 min.	540 min.	180 min.	180 min.	— min.	— min.	180
FLOW RATE	2.0 lpm	2.0 lpm	2.0 lpm	2.0 lpm	— lpm	— lpm	2.0
TOTAL VOLUME (liters)	1080 liters	1080 liters	360 liters	360 liters	— liters	— liters	360
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 0546

CHAIN OF CUSTODY RECORD
WATER & WASTEWATER

CONTRACT NO: 1-635-195-0-2PA2-0

SAMPLERS (Signatures): Fred Madonna

ANALYSES

EAL #	Sample Code	Seq. No.	Date	Source Description	Container Size	Container G/P	Volatile Organics	Extractable Org.	Pesticides/PCBs	Trace Elements	Cyanide	Phenols	PCB									COMMENTS
13280.30	AMB11-6-UP		11-6-90	UPSTREAM AIR SAMPLE	25mm								✓									DAILY AIR SAMPLE
.31	AMB11-6-DN		11-6-90	DOWNSTREAM AIR SAMPLE	25mm								✓									DAILY AIR SAMPLE
.32	AMB11-6-01		11-6-90	PERSONAL AIR SAMPLE	25mm								✓									DAILY AIR SAMPLE
.33	AMB11-6-02		11-6-90	PERSONAL AIR SAMPLE	25mm								✓									DAILY AIR SAMPLE
.34	AMB11-6-FB1		11-6-90	FIELD BLANK #1	25mm								✓									DAILY AIR SAMPLE
.35	AMB11-6-FB2		11-6-90	FIELD BLANK #2	25mm								✓									DAILY AIR SAMPLE
.36	AMB11-6-03		11-6-90	PERSONAL AIR SAMPLE	25mm								✓									DAILY AIR SAMPLE

DAILY AIR SAMPLING DURING BULK SAMPLING/DRILLING

Relinquished by:	Date/Time	Received by:	Relinquished by:	Date/Time	Received by:
Fred Madonna	11/6/1735	John H. Kruger 11/8 3pm			
Relinquished by:	Date/Time	Received by:	Relinquished by:	Date/Time	Received by:
Relinquished by:	Date/Time	Received by:	REMARKS:		

ABD 001 0547

ALLIANCE Technologies Corporation

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 TECH. CORP, LOWELL, MA.
ANALYZED BY: W BARNETT EAL JOB NO.: 13280 11-13-1990

SAMPLE: AMB11-6-UP
LOCATION: UPSTREAM AIR SAMPLE
Volume Sampled in Liters: 1080 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)
COMMENTS:

WB
OPERATOR

SAMPLE: AMB11-6-DN
LOCATION: DOWNSTREAM AIR SAMPLE
Volume Sampled in Liters: 1080 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) : 0.0005
TOTAL FIBER LOAD (PER MM SQ): 5.093
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 4)
COMMENTS:

WB
OPERATOR

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 TECH. CORP, LOWELL, MA.
ANALYZED BY: W BARNETT EAL JOB NO.: 13280 11-13-1990

SAMPLE: AMB11-6-01
LOCATION: PERSONAL AIR SAMPLE
Volume Sampled in Liters: 360 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) : 0.0014
TOTAL FIBER LOAD (PER MM SQ): 3.820
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 3)
COMMENTS:

WB
OPERATOR

SAMPLE: AMB11-6-02
LOCATION: PERSONAL AIR SAMPLE
Volume Sampled in Liters: 360 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.015

Suspect Fiber Concentration per cc: 0.015
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0014
TOTAL FIBER LOAD (PER MM SQ): 14.006
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 11)
COMMENTS:

WB
OPERATOR

SAMPLE: AMB11-6-FB1
LOCATION: FIELD BLANK #1
Volume Sampled in Liters: 0 Filter Diameter: 25 mm.

VOLUME = 0 (ZERO); VOLUMETRIC FIBER CONCENTRATIONS NOT CALCULATED

TOTAL FIBER LOAD (PER MM SQ): 3.820
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 3)
COMMENTS:

WB
OPERATOR

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 TECH. CORP, LOWELL, MA.
ANALYZED BY: W BARNETT EAL JOB NO.: 13280 11-13-1990

SAMPLE: AMB11-6-FB2
LOCATION: FIELD BLANK #2
Volume Sampled in Liters: 0 Filter Diameter: 25 mm.

VOLUME = 0 (ZERO); VOLUMETRIC FIBER CONCENTRATIONS NOT CALCULATED

TOTAL FIBER LOAD (PER MM SQ): 15.279
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 12)
OPERATOR
COMMENTS:

SAMPLE: AMB11-6-03
LOCATION: PERSONAL AIR SAMPLE
Volume Sampled in Liters: 360 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.012

Suspect Fiber Concentration per cc: 0.012
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0014
TOTAL FIBER LOAD (PER MM SQ): 11.459
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 9)
OPERATOR
COMMENTS:

TRC REPORT - ASBESTOS FIBERS IN AIR

CLIENT: EPA
ADDRESS: 257-New Vernon Road
Millington, New Jersey

PROJECT #: 1635-0-2 Pa 2-0
SAMPLER: FRED MADORMA
DATE: 11/07/90
ANALYST:
DATE:
LAB #:
PAGE 1 OF 1

13305 .01 .02 .03 .04 .05 .06

PARAMETER	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 6
FIELD SAMPLE NUMBER	AMB11-7-UP	AMB11-7-DN	AMB11-7-01	AMB11-7-02	AMB11-7-FB#1	AMB11-7-FB#2
SAMPLING LOCATION/ COMMENTS Daily Air Samples taken during soil sampling/drilling	Upstream Air Sample 15' south of NW N50 E600	Downstream Air Sample 26' west of NW N250 E800 (on Tree)	Personal Air Sample Lindsay Clark	Personal Air Sample Mario Dunn	Field Blank #1	Field Blank #2
PUMP NUMBER	07828	07575	IL88000560	IL88000586	—	—
START TIME	0800	0800	1400	1400	—	—
FINISH TIME	1700	1700	1700	1700	—	—
ELAPSED TIME (T), min.	540 min.	540 min.	180 min.	180 min.	— min.	— min.
FLOW RATE	2.0 lpm	2.0 lpm	2.0 lpm	2.0 lpm	— lpm	— lpm
TOTAL VOLUME (liters)	1080 liters	1080 liters	360 liters	360 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.

CHAIN OF CUSTODY RECORD
WATER & WASTEWATER

CONTRACT NO: 1-635-195-0-2PA2-0

SAMPLERS (Signatures): Fred Madonna

ANALYSES: Volatile Organics; Extractable Org.; Pesticides/PCBs; Trace Elements; Cyanide; Phenols; PCB

Sample Code	Seq. No.	Date	Source Description	Container Size	Container G/P	Phenols	COMMENTS
AMBH-7-UP		11/07/90	UPSTREAM DAILY AIR SAMPLE	25mm		✓	AIR SAMPLE
AMBH-7-DN		11/07/90	DOWNSTREAM DAILY AIR SAMPLE	25mm		✓	AIR SAMPLE
AMBH-7-01		11/07/90	PERSONAL AIR SAMPLE LINDSAY CLARK	25mm		✓	AIR SAMPLE
AMBH-7-02		11/07/90	PERSONAL AIR SAMPLE MARIA BLANK	25mm		✓	AIR SAMPLE
AMBH-7-FB#1		11/07/90	FIELD BLANK #1	25mm		✓	AIR SAMPLE
AMBH-7-FB#2		11/07/90	FIELD BLANK #2	25mm		✓	AIR SAMPLE

Daily/Personal Air Sampling

Relinquished by:	Date/Time	Received by:	Relinquished by:	Date/Time	Received by:
Fred Madonna	11/07/90 1700	Ernest T. Blvi 11/09/90 10:00			
Relinquished by:	Date/Time	Received by:	Relinquished by:	Date/Time	Received by:
Relinquished by:	Date/Time	Received by:	REMARKS:		

ALLIANCE Technologies Corporation

ABD 001 0552

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 TECH. CORP., LOWELL, MA
ANALYZED BY: W BARNETT EAL JOB NO.: 13305 11-13-1990

SAMPLE: (.01) AMB11-7-UP
LOCATION: UPSTREAM AIR SAMPLE
Volume Sampled in Liters: 1080 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)
COMMENTS:

WB
OPERATOR

SAMPLE: (.02) AMB11-7-DN
LOCATION: DOWNSTREAM AIR SAMPLE
Volume Sampled in Liters: 1080 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): 3.820
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 3)
COMMENTS:

WB
OPERATOR

SAMPLE: (.03) AMB11-07-01
LOCATION: PERSONAL AIR SAMPLE - L CLARK
Volume Sampled in Liters: 360 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.035

Suspect Fiber Concentration per cc: 0.035
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0014
TOTAL FIBER LOAD (PER MM SQ): 33.104
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 26)
COMMENTS:

WB
OPERATOR

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 TECH. CORP., LOWELL, MA
ANALYZED BY: W BARNETT EAL JOB NO.: 13305 11-13-1990

SAMPLE: (.04) AMB11-7-02
LOCATION: PERSONAL AIR SAMPLE - M DUNN
Volume Sampled in Liters: 360 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) : 0.0014
TOTAL FIBER LOAD (PER MM SQ): 10.186
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 8)
COMMENTS:

WB
OPERATOR

SAMPLE: (.05) AMB11-7-FB1
LOCATION: FIELD BLANK #1
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)
COMMENTS:

WB
OPERATOR

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 TECH. CORP., LOWELL, MA
ANALYZED BY: W BARNETT EAL JOB NO.: 13305 11-13-1990

SAMPLE: (.06) AMB11-7-FB2
LOCATION: FIELD BLANK #2
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)
COMMENTS:

WB
OPERATOR

ABD 001 0555

TRC REPORT - ASBESTOS FIBERS IN AIR

CLIENT: EPA
ADDRESS: 257 New Vauxhall Rd
Millington, New Jersey

PROJECT #: 1635-0.2PA2-0
SAMPLER: Tom Ludovico
ANALYST:
LAB #:

DATE: 11/08/90
DATE: ~~11/09~~
PAGE 1 OF 1

13306 .01 .02 .03 .04 .05 .05 duplicate .06 .07 #7

PARAMETER	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 6	AMB-11/14 -FB2
FIELD SAMPLE NUMBER	AMB-11/8-UP	AMB-11/8-DN	AMB-11/8-01	AMB-11/8-02	AMB-11/8-03	AMB-11/8-FBT	
SAMPLING LOCATION/ COMMENTS	10' E of marker NV-N1350 E200	25' N of Marker N1250 E1400	Rick Ramaglia Personal	Tom Ludovico Personal	Phil Marsosudiro Personal	Field Blank	Field Blank
PUMP NUMBER	07575	07929	880056 NYC	880098	880005 86NYC		
START TIME	0905	0830	0949-1225	0850-1205	0901-1200		
FINISH TIME	1719	1725	1425-1720	1409-1715	1410-1715		
ELAPSED TIME (T), min.	494 min.	535 min.	331 min.	381 min.	364 min.	min.	
FLOW RATE	1.76 lpm	1.50 lpm	1.57 lpm	1.26 lpm	1.71 lpm	lpm	
TOTAL VOLUME (liters)	869 liters	803 liters	520 liters	480 liters	622 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: Personals turned off for lunch

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 0556

CHAIN OF CUSTODY RECORD

CONTRACT NO: 1635495 0 2PA2 0

SAMPLERS (Signatures): Tom Ludovico

Sample Code	Date	Source Description	Container Size	Container Type	Volatile Organics	Extractable Org.	Pesticides/PCBs	Trace Elements	Cyanide	Phenols	PCM								COMMENTS
AMB-11/8-UP	11-8-90	Upwind Ambient air 10' E of NV-W1350-E200	25	P							X								
AMB-11/8-DN	11-8-90	Downwind Ambient air 25' N of N1250 E1800	↓	P							X								
AMB-11/8-01	11-8-90	Personal, Rick Ramaglia	↓	P							X								
AMB-11/8-02	11-8-90	Personal, Tom Ludovico	↓	P							X								
AMB-11/8-03	11-8-90	Personal, Phil Massesuino	↓	P							X								
AMB-11/8-FB1	11-8-90	Field Blank	↓	P							X								
AMB-11/8-FB2	11-8-90	Field Blank	↓	P							X								

Relinquished by:	Date/Time	Received by:	Relinquished by:	Date/Time	Received by:
Tom Ludovico	11-8-90 18:15	Ernie Robi 11/09/90 10:00am			
Relinquished by:	Date/Time	Received by:	Relinquished by:	Date/Time	Received by:
Relinquished by:	Date/Time	Received by:	REMARKS:		

№ 3844

ABD 001 0557

ALLIANCE Technologies Corporation

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 TECH. CORP., LOWELL, MA.
ANALYZED BY: W BARNETT EAL JOB NO.: 13306 11-14-1990

SAMPLE: (.01) AMB-11/8-UP
LOCATION: 10' E OF MARKER NV-N1350 E 200
Volume Sampled in Liters: 869 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) : 0.0006
TOTAL FIBER LOAD (PER MM SQ): 1.273
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 1)
COMMENTS:

WB
OPERATOR

SAMPLE: (.02) AMB-11/8-DN
LOCATION: 25 N OF MARKER N1250 E1800
Volume Sampled in Liters: 803 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) : 0.0006
TOTAL FIBER LOAD (PER MM SQ): 1.273
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 1)
COMMENTS:

WB
OPERATOR

SAMPLE: (.03) AMB-11/8-01
LOCATION: PERSONAL - R RAMUGLIA
Volume Sampled in Liters: 520 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.063

Suspect Fiber Concentration per cc: 0.063
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0009
TOTAL FIBER LOAD (PER MM SQ): 85.723
LOAD DETECTION LIMIT (PER MM SQ): 1.261
(load per hundred fields= 67.32673)
COMMENTS:

WB
OPERATOR

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 TECH. CORP., LOWELL, MA.
ANALYZED BY: W BARNETT EAL JOB NO.: 13306 11-14-1990

SAMPLE: (.04) AMB-11/8-02
LOCATION: PERSONAL - T LUDOVIO
Volume Sampled in Liters: 480 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) : 0.0010
TOTAL FIBER LOAD (PER MM SQ): 13.867
LOAD DETECTION LIMIT (PER MM SQ): 1.261
(load per hundred fields= 10.89109)
COMMENTS:

WB
OPERATOR

SAMPLE: (.05) AMB-11/8-03
LOCATION: PERSONAL P MARSOSUDIVO
Volume Sampled in Liters: 622 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.017

Suspect Fiber Concentration per cc: 0.017
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0008
TOTAL FIBER LOAD (PER MM SQ): 27.734
LOAD DETECTION LIMIT (PER MM SQ): 1.261
(load per hundred fields= 21.78218)
COMMENTS:

WB
OPERATOR

SAMPLE: DUPLICATE OF .05
LOCATION:
Volume Sampled in Liters: 622 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.019

Suspect Fiber Concentration per cc: 0.018
Non-Suspect Fiber Concentration per cc: 0.001
DETECTION LIMIT (PER CC) : 0.0008
TOTAL FIBER LOAD (PER MM SQ): 30.255
LOAD DETECTION LIMIT (PER MM SQ): 1.261
(load per hundred fields= 23.76238)
COMMENTS:

WB
OPERATOR

ABD 001 0559

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 TECH. CORP., LOWELL, MA.
ANALYZED BY: W BARNETT EAL JOB NO.: 13306 11-14-1990

SAMPLE: (.06) AMB-11/8-FB1
LOCATION: FIELD BLANK #1
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 WB
(load per hundred fields= 0) OPERATOR
COMMENTS:

SAMPLE: (.07) AMB-11/8-FB2
LOCATION: FIELD BLANK #2
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 WB
(load per hundred fields= 1) OPERATOR
COMMENTS:

TRC REPORT - ASBESTOS FIBERS IN AIR

CLIENT: EPA
ADDRESS: 257 New Vernon Rd
N.J.

PROJECT #: 1-635-195-02PA2-0
SAMPLER: X [illegible]
ANALYST:
LAB #:

DATE: 11/9/90
DATE:
PAGE 1 OF 1

13320 .01 .02 .03d .03 .04 .05 .06

PARAMETER	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 6
FIELD SAMPLE NUMBER	AMB-11/9-up	AMB-11/9-Dn	AMB-11/9-01	AMB-11/9-02	AMB-11/9-FB1	AMB-11/9-FB2
SAMPLING LOCATION/ COMMENTS	Ambient air Upwind X NHADE300	Ambient air Downwind X N1150E900	Personal X Paul Marcsarcak	Personal	Field Blank	Field Blank
PUMP NUMBER	7575	7828	IL08000846 NYC			
START TIME	1000	1000	0955			
FINISH TIME	1345	1355	1100			
ELAPSED TIME (T), min.	225.0 min.	235.0 min.	65.0 min.	min.	min.	min.
FLOW RATE	1.76 lpm	1.50 lpm	1.57 lpm	lpm	lpm	lpm
TOTAL VOLUME (liters)	396.00 liters	325.50 liters	102.05 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.

CHAIN OF CUSTODY RECORD

CONTRACT NO: 1-635-195-02P12-0

SAMPLERS (Signatures): X Bruce A Henning

Sample Code	Date	Source Description	Container Size mm	Container G/P	Volatile Organics	Extractable Org.	Pesticides/PCBs	Trace Elements	Cyanide	Phenols	PCM	COMMENTS
AMB-11/9-UP	11/9/90	Ambient air upwind	25	P						X		
AMB-11/9-DN	11/9/90	Ambient air downwind	25	P						X		
AMB-11/9-01	11/9/90	Personal P. Marsovsky	25	P						X		
~~AMB-11/9-02~~	~~11/9/90~~	~~personal~~	~~25~~	~~P~~						~~X~~		No Sample ~~QA~~
AMB-11/9-FB1	11/9/90	Field Blank	25	P						X		
AMB-11/9-FB2	11/9/90	Field Blank	25	P						X		

Relinquished by:	Date/Time	Received by:	Relinquished by:	Date/Time	Received by:
Bruce A Henning	11/9/90 14:30	Ernie Dobi 11/12/90 9:00 am rec. at Sat 11/10			
Relinquished by:	Date/Time	Received by:	Relinquished by:	Date/Time	Received by:
Relinquished by:	Date/Time	Received by:	REMARKS:		

№ 3845

ABD 001 0562

ALLIANCE Technologies Corporation

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 TECH. CORP., LOWELL, MA
ANALYZED BY: W BARNETT EAL JOB NO.: 13320 11-14-1990

SAMPLE: (.01) AMB-11/9-UP
LOCATION: AMBIENT AIR UPWIND N1440 E300
Volume Sampled in Liters: 396 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) : 0.0012
TOTAL FIBER LOAD (PER MM SQ): 3.820
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 3)
COMMENTS:

WB
OPERATOR

ABD 001 0563

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 TECH. CORP., LOWELL, MA
ANALYZED BY: W BARNETT EAL JOB NO.: 13320 11-14-1990

SAMPLE: (.02) AMB-11/9-DN
LOCATION: AMBIENT AIR DOWNWIND N1150 E400
Volume Sampled in Liters: 325.5 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) : 0.0015
TOTAL FIBER LOAD (PER MM SQ): 1.273
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 1)
COMMENTS:

WB
OPERATOR

SAMPLE: (.03) AMB-11/9-01
LOCATION: PERSONAL P MARSSADIO
Volume Sampled in Liters: 102 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) : 0.0048
TOTAL FIBER LOAD (PER MM SQ): 1.273
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 1)
COMMENTS:

WB
OPERATOR

SAMPLE: (.03d) DUPLICATE
LOCATION: PERSONAL P. M.
Volume Sampled in Liters: 102 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) : 0.0048
TOTAL FIBER LOAD (PER MM SQ): 2.546
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 2)
COMMENTS:

WB
OPERATOR

ABD 001 0564

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 TECH. CORP., LOWELL, MA
ANALYZED BY: W BARNETT EAL JOB NO.: 13320 11-14-1990

SAMPLE: (.04) AMB-11/9-FB1
LOCATION: FIELD BLANK
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) WB OPERATOR
COMMENTS:

SAMPLE: (.05) AMB-11/9-FB2
LOCATION: FIELD BLANK #2
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) WB OPERATOR
COMMENTS:

TRC REPORT - ASBESTOS FIBERS IN AIR

CLIENT: EPA
ADDRESS: 257 New Vernon Rd
N.J.

PROJECT #: 1-635-195-0-2PA2-0
SAMPLER: Bruce Henning
DATE: 11/12/90
ANALYST:
DATE:
LAB #:
PAGE 1 OF 1

13329 .01 .02 .03d .03 .04 .05

PARAMETER	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 6
FIELD SAMPLE NUMBER	AMB-11/12-UP	AMB-11/12-DN	AMB-11/12-01	AMB-11/12-02	AMB-11/12-FB1	AMB-11/12-FB2
SAMPLING LOCATION/ COMMENTS	Ambient Air Upwind Very Windy Day N140 E300	Ambient Air Downwind N1000 E1000	Personnel Rick Ramuglia	Personnel	Field Blank	Field Blank
PUMP NUMBER	07575	07828	FLBBCOS BLANK			
START TIME	0955	1000	11:12/1000			
FINISH TIME	1643	1639	Begin M20 1000 1626			
ELAPSED TIME (T), min.	400 min.	399 min.	255 ~~426~~ min.	min.	/ min.	/ min.
FLOW RATE	1.76 lpm	1.40 lpm	1.71 lpm	lpm	/ lpm	/ lpm
TOTAL VOLUME (liters)	726.24 liters	670.31 liters	436.05 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.

CHAIN OF CUSTODY RECORD
WATER & WASTEWATER

CONTRACT NO: 1-635-195-0-2PA2-0

SAMPLERS (Signatures): Bruce A Henry

Sample Code	Seq. No.	Date	Source Description	Container Size (mm)	Container G/P	Volatile Organics	Extractable Org.	Pesticides/PCBs	Trace Elements	Cyanide	Phenols	ACM								COMMENTS
AMB-11/12-VP	1	11/12/90	AMBIENT AIR - VPN/IPD	25	P							X								
AMB-11/12-DN	2		AMBIENT AIR - DOWNWIND	25	P							X								
AMB-11/12-01	3		PERSONNEL (R.R.)	25	P							X								
AMB-11/12-FB1	4		FIELD BLANK	25	P							X								
AMB-11/12-FB2	5		FIELD BLANK	25	P							X								

Relinquished by:	Date/Time	Received by:	Relinquished by:	Date/Time	Received by:
Bruce A Henry	11/12/90 1650	Ernie Dolf 11.13.90 10:30am			
Relinquished by:	Date/Time	Received by:	Relinquished by:	Date/Time	Received by:
Relinquished by:	Date/Time	Received by:	REMARKS:		

ABD 001 0567

ALLIANCE Technologies Corporation

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 TECH. CORP., LOWELL, MA
ANALYZED BY: W BARNETT EAL JOB NO.: 13329 11-14-1990

SAMPLE: (.01) AMB-11/12-UP
LOCATION: AMBIENT AIR UPWIND N1440 E300
Volume Sampled in Liters: 726.24 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) : 0.0007
TOTAL FIBER LOAD (PER MM SQ): 3.820
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 3)
COMMENTS:

WB
OPERATOR

SAMPLE: (.02) AMB-11/12-DN
LOCATION: AMBIENT AIR DOWNWIND N1000 E1000
Volume Sampled in Liters: 670 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) : 0.0007
TOTAL FIBER LOAD (PER MM SQ): 3.820
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 3)
COMMENTS:

WB
OPERATOR

11/12?

SAMPLE: (.03) AMB-11/2-01
LOCATION: PERSONAL - R. RAMULLIA
Volume Sampled in Liters: 436 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.016

Suspect Fiber Concentration per cc: 0.016
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0011
TOTAL FIBER LOAD (PER MM SQ): 17.649
LOAD DETECTION LIMIT (PER MM SQ): 1.261
(load per hundred fields= 13.86139)
COMMENTS:

WB
OPERATOR

ABD 001 0568

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 TECH. CORP., LOWELL, MA
ANALYZED BY: W BARNETT EAL JOB NO.: 13329 11-14-1990

SAMPLE: (.03d) DUPLICATE
LOCATION:
Volume Sampled in Liters: 436 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.013

Suspect Fiber Concentration per cc: 0.013
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0011
TOTAL FIBER LOAD (PER MM SQ): 15.128
LOAD DETECTION LIMIT (PER MM SQ): 1.261
(load per hundred fields= 11.88119)
COMMENTS:

WB
OPERATOR

ABD 001 0569

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 TECH. CORP., LOWELL, MA
ANALYZED BY: W BARNETT EAL JOB NO.: 13329 11-14-1990

SAMPLE: (.04) AMB-11/12-FB1
LOCATION: FIELD BLANK
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: (.05) AMB-11/12-FB2
LOCATION: FIELD BLANK #2
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 - ASBESTOS FIBERS IN AIR

CLIENT: EPA

ADDRESS: 237 New Vernon Rd
Mercerville, NJ

PROJECT #: 1-635-195-0-2PA2-0

SAMPLER: Bruce A [illegible] DATE: 11/13/90

ANALYST: DATE: 11/17/90

LAB #:

PAGE 1 OF 1

PARAMETER	SAMPLE 1 (.01)	SAMPLE 2 (.02)	SAMPLE 3 (.03)	SAMPLE 4 (.04)	SAMPLE 5 (.05)	SAMPLE 6
FIELD SAMPLE NUMBER	AMB-11/13-UP	AMB-11/13-DN	AMB-11/13-01	AMB-11/13-FB1	AMB-11/13/FB2	
SAMPLING LOCATION/ COMMENTS	Up Wind N440 E300 300	Down Wind N1000 E1000	Personnel Rick Rum	Field Blank	Field Blank	
PUMP NUMBER	7575	7820	[illegible]			
START TIME	1026	1031	1043			
FINISH TIME	1657	1645	[illegible] 1220			
ELAPSED TIME (T), min.	271 min.	374 min.	min.	min.	min.	min.
FLOW RATE	1.75 lpm	1.69 lpm	1.71 lpm	lpm	lpm	lpm
TOTAL VOLUME (liters)	649.25 liters	632.06 liters	[illegible] liters	165.87 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.

CHAIN OF CUSTODY RECORD
WATER & WASTEWATER

CONTRACT NO: 1-635-195-0-2PA2-0

SAMPLERS (Signatures): Bruce A Henning

	Sample Code	Seq. No.	Date	Source Description	Container Size mm	Container G/P	Volatile Organics	Extractable Org.	Pesticides/PCBs	Trace Elements	Cyanide	Phenols	ACM								COMMENTS
1335-01	AMB-11/13-UP	1	11/13/90	Ambient Air Up Wind	25	P						X									
02	AMB-11/13-DN	2	↓	Down Wind	↓	↓						X									
03	AMB-11/13-01	3	↓	Personnel	↓	↓						X									
04	AMB-11/13-FB1	4	↓	Field Blank	↓	↓						X									
05	AMB-11/13-FB2	5	↓	Field Blank	↓	↓						X									

Relinquished by:	Date/Time	Received by:	Relinquished by:	Date/Time	Received by:
Bruce A Henning	11/13/90 1705	Ernie Dolm 11/14/90 1030am			
Relinquished by:	Date/Time	Received by:	Relinquished by:	Date/Time	Received by:
Relinquished by:	Date/Time	Received by:	REMARKS:		

ALLIANCE Technologies Corporation

ABD 001 0572

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 TECH. CORP., LOWELL, MA
ANALYZED BY: W BARNETT EAL JOB NO.: 13345 11-14-1990

SAMPLE: (.01) AMB-11/13-UP
LOCATION: UPWIND N1440 E300
Volume Sampled in Liters: 649 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) : 0.0008
TOTAL FIBER LOAD (PER MM SQ): 3.820
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 3)
COMMENTS:

WB
OPERATOR

SAMPLE: (.02) AMB-11/3-DN 11/13?
LOCATION: DOWNWIND N1000 E1000
Volume Sampled in Liters: 632 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) : 0.0008
TOTAL FIBER LOAD (PER MM SQ): 2.546
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 2)
COMMENTS:

WB
OPERATOR

SAMPLE: (.03) AMB-11/13-01
LOCATION: PERSONAL R RUM
Volume Sampled in Liters: 166 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.012

Suspect Fiber Concentration per cc: 0.012
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0030
TOTAL FIBER LOAD (PER MM SQ): 5.093
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 4)
COMMENTS:

WB
OPERATOR

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 TECH. CORP., LOWELL, MA
ANALYZED BY: W BARNETT EAL JOB NO.: 13345 11-14-1990

SAMPLE: (.04) AMB-11/13-FB1
LOCATION: FIELD BLANK #1
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)
COMMENTS:

WB
OPERATOR

SAMPLE: (.05) AMB-11/13-FB2
LOCATION: FIELD BLANK #2
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)
COMMENTS:

WB
OPERATOR

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.: PCM QC DUPLICATES
11-21-1990

SAMPLE: 13280.35
LOCATION: AMB-11-6-FB-2
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: 13305.04
LOCATION: 11-7-02 M.DUNN
Volume Sampled in Liters: 360 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.008

Suspect Fiber Concentration per cc: 0.008
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0014
TOTAL FIBER LOAD (PER MM SQ): 7.639
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 6)
OPERATOR
COMMENTS:

SAMPLE: 13306.03
LOCATION: AMB-11-08-01 R.RAMUGLIA
Volume Sampled in Liters: 520 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.060

Suspect Fiber Concentration per cc: 0.038
Non-Suspect Fiber Concentration per cc: 0.021
DETECTION LIMIT (PER CC) : 0.0009
TOTAL FIBER LOAD (PER MM SQ): 80.680
LOAD DETECTION LIMIT (PER MM SQ): 1.261
(load per hundred fields= 63.36634)
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.: PCM QC DUPLICATES
11-21-1990

SAMPLE: 13320.03d 11/9/90
LOCATION: PERSONAL P.M.
Volume Sampled in Liters: 102 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) : 0.0048
TOTAL FIBER LOAD (PER MM SQ): 1.273
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 1)
COMMENTS:

OPERATOR

SAMPLE: 13329.03d
LOCATION: AMB-11/12-01 RICK R.
Volume Sampled in Liters: 436.05 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.007

Suspect Fiber Concentration per cc: 0.007
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0011
TOTAL FIBER LOAD (PER MM SQ): 7.639
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 6)
COMMENTS:

OPERATOR

SAMPLE: 13345.03
LOCATION: AMB-11/13-01 PERS. R.R.
Volume Sampled in Liters: 166 Filter Diameter: 25 mm.

TOTAL FIBER CONCENTRATION PER CC OF AIR IS 0.009

Suspect Fiber Concentration per cc: 0.009
Non-Suspect Fiber Concentration per cc: 0.000
DETECTION LIMIT (PER CC) : 0.0030
TOTAL FIBER LOAD (PER MM SQ): 3.820
LOAD DETECTION LIMIT (PER MM SQ): 1.273
(load per hundred fields= 3)
COMMENTS:

OPERATOR

THIS PAGE INTENTIONALLY BLANK

APPENDIX C
BORING LOGS

ALLIANCE
Technologies Corporation

THIS PAGE INTENTIONALLY BLANK

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N0500 E1200 - 11/7				
Collected By:	MD, TL				
0-6 in.	Dk brown silt & orgs, tr clay, tr v-f sand		X		X
6-18 in.	6-10" orng & gray mttled silt & v-f sand; 10-11" same, some		X		X
	clay; 11-18" orng & gray mttld silty fine sand, tr clay				
18-36 in.	orange & gray mottled silty m-fine sand, tr clay		X		X
Comments: No surficial ACM					
Sample Location	N0500 E1300 - 11/7				
Collected By:	MD, TL				
0-6 in.	0-4" brown organic		X		X
	4-6" brown silt & organic				
6-18 in.	6-10" same		X		X
	10-18" light brown silt				
18-36 in.	18-30" mottled light brown, tan & orange silt, little clay		X		X
	30-36" orange silt, little very fine sand				
Comments: No surficial ACM					
Sample Location	N0600 E1100 - 11/7				
Collected By:	LC, FM				
0-6 in.	Dark brown silt, lenses of gray & orange fine		X		X
	sand near bottom				
6-18 in.	Dark brown silt, underlain by coarse to medium		X		X
	yellow-brown & orange sands				
18-36 in.	Gray-bottom fine sands, orange mottles		X		X
Comments: No ACM visible					

ALLIANCE Technologies Corporation

ABD 001 0580

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N0600 E1200 - 11/7				
Collected By:	MD, TL				
0-6 in.	0-2" dk brown organic & silt		X		X
	2-6" dk brown silt & organic, ~6" water				
6-18 in.	6-18" mottled orange & tan silty sand, very fine		X		X
	to fine sand				
18-36 in.	18-36" same		X		X
Comments: No surficial ACM					
Sample Location	N0700 E0700 - 11/6				
Collected By:	JI, RR				
0-6 in.	Large gray, blueish clay, some mottled, little silt		X		X
6-18 in.	Same as above		X		X
18-36 in.	Tan to gray clay, some silt		X		X
Comments: No surficial ACM. Swamp area, tall weeds. All wet samples.					
Sample Location	N0700 E0800 - 11/6				
Collected By:	JI, RR				
0-6 in.	Light tan mottled to gray silt & clay		X		X
6-18 in.	As above		X		X
18-36 in.	Brown mottled silt		X		X
Comments: No surficial ACM. Swamp area, tall weeds.					

ALLIANCE Technologies Corporation

ABD 001 0581

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N0700 E0900 - 11/6				
Collected By:	JI, RR				
0-6 in.	Brown silt, some clay		X		X
6-18 in.	Light gray, tan to mottled clay		X		X
18-36 in.	Brown w/ blue-gray silt, little clay, very dense		X		X
Comments: No surficial ACM					
Sample Location	N0700 E1000 - 11/7				
Collected By:	LC, FM				
0-6 in.	Dark brown silt, very moist		X		X
6-18 in.	Dark brown silt underlain by olive green-gray silty clay with orange mottles		X		X
18-36 in.	Olive green-gray silty clay with orange mottles, fairly firm		X		X
Comments: No ACM visible					
Sample Location	N0700 E1100 - 11/7				
Collected By:	LC, FM				
0-6 in.	Dark brown to gray-brown silt, some clay, orange mottles		X		X
6-18 in.	Gray-brown silt & clay, orange mottles		X		X
18-36 in.	Gray-brown silt, some clay, orange mottles, coarsening downward to fine sand (gray & orange lenses)		X		X
Comments: No ACM visible					

ALLIANCE Technologies Corporation

ABD 001 0582

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N0700 E1200 - 11/7				
Collected By:	MD, TL				
0-6 in.	Brown sandy silt & orgs		X		X
6-18 in.	6-16" med orange & gray mottled silt & clay		X		X
	16-18" orange & gray mottled silty fine sand, some clay				
18-36 in.	18-24" mottled orange & gray clay & silty fine sand		X		X
	24-36" orange & gray mottled silty fine sand, some clay				
Comments: No surficial ACM					
Sample Location	N0700 E1400 - 11/8				
Collected By:	TL, PM				
0-6 in.	Brown silt & organic, trace clay		X		X
6-18 in.	6-9" same; 9-18" mottled brown/orange/tan silt,		X		X
	some clay, trace organic				
18-36 in.	Color same; 18-24" color same, same composition;		X		X
	24-36" color same, silt, little clay				
Comments: No surficial ACM					
Sample Location	N0750 E0220 - 11/6				
Collected By:	MD, TL				
0-6 in.	0-3" dk brown orgs & silt, some clay		X		X
	3-6" gray & orange mottled clay, some silt				
6-18 in.	Same		X		X
18-36 in.	18-24" same (& silt); 24-36" orange & brown & gray		X		X
	silt, some clay, some, little v-f sand				
Comments: No surficial ACM					

ALLIANCE Technologies Corporation

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N0750 E0300 - 11/5				
Collected By:	LC, RR				
0-6 in.	Brown silt, some clay		X		X
6-18 in.	Gray silt, dark brown, some clay		X		X
18-36 in.	Gray brown mottled fine sand, silty, some clay		X		X
	(blue gray)				
Comments: N800E300 in pond					
Sample Location	N0750 E0450 - 11/5				
Collected By:	MD, TL				
0-6 in.	0-3" dk brown organics & silt (peaty)		X		X
	3-6" brown silt, little clay, some organics				
6-18 in.	Same, & organics		X		X
18-36 in.	Gray clay & silt & orgs; 20-34" silt & clay;		X		X
	34-36" clay & silt (mttld orng-brn & gray clay)				
Comments: No surficial ACM					

ABD 001 0584

ALLIANCE Technologies Corporation

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location N0800 E0250 - 11/5 Collected By: JI, SC					
0-6 in.	Dark brown silt, organics		X		X
6-18 in.	Lt brown to mottled clay, trace silt & organics		X		X
18-36 in.	Reddish brown to mottled silt, some clay, wet		X		X
Comments: No surficial ACM					
Sample Location N0800 E0362 - 11/5 Collected By: MD, TL					
0-6 in.	Dk brown organics & silt (peaty) & moist		X		X
6-18 in.	6-18" same		X		X
	8-16" dk brown clay & silt & organics				
18-36 in.	18-21" same		X		X
	21-36" gray sandy clay & silt, some organics				
Comments: No surficial ACM					
Sample Location N0800 E0700 - 11/6 Collected By: JI, FM					
0-6 in.	Brown to lt brown silt, some clay & organics		X		X
6-18 in.	Reddish brown to mottled clay, trace silt		X		X
18-36 in.	Reddish brown to lt brown silt, trace clay		X		X
Comments: No surficial ACM					

ALLIANCE Technologies Corporation

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N0800 E0800 - 11/6				
Collected By:	FM, LC				
0-6 in.	Dark brown silty clay, olive-green & orange mottles		X		X
6-18 in.	Olive-green to orange mottled silty clay		X		X
18-36 in.	As above, very dense		X		X
Comments:					
Sample Location	N0800 E0900 - 11/6				
Collected By:	JI, RR				
0-6 in.	Dark brown to black silt, rich in organics		X		X
6-18 in.	Gray to light gray clay, little silt		X		X
18-36 in.	Tan to gray clay, some silt, some fine sand		X		X
	(bottom 6")				
Comments: No surficial ACM					
Sample Location	N0800 E1000 - 11/7				
Collected By:	LC, FM				
0-6 in.	Dark brown silt, no ACM		X		X
6-18 in.	Dark brown silt underlain by olive geen-gray		X		X
	silty clay with orange mottles				
18-36 in.	Olive green-gray silty clay with orange mottles,		X		X
	very firm				
Comments: No ACM visible					

ALLIANCE Technologies Corporation

ABD 001 0586

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N0800 E1100 A&B - 11/7				
Collected By:	LC, FM				
0-6 in.	Light brown silt, some clay, orange mottles		X		X
6-18 in.	Gray-olive green silt, some clay, orange mottles		X		X
18-36 in.	Gray-olive green silt, trace clay, orange mottles, very dense		X		X
Comments: No ACM visible					
Sample Location	N0800 E1200 - 11/7				
Collected By:	MD, TL				
0-6 in.	0-2" brown silt & organic		X		X
	2-6" brown silt, some very fine sand & organic				
6-18 in.	6-10" same; 10-14" mottled brown orange & tan silt, little clay; 14-18" same, & clay		X		X
18-36 in.	18-22" same; 22-33" same (little clay); 33-36" same (little clay, little sand)		X		X
Comments: No surficial ACM					
Sample Location	N0800 E1300 - 11/7				
Collected By:	MD, TL				
0-6 in.	Brown silt & orgs, trace clay		X		X
6-18 in.	6-8" same, water at ~ 6"; 8-18" gray & orange mottled, silty m-vf sand		X		X
18-36 in.	Same		X		X
Comments: No surficial ACM					

ALLIANCE Technologies Corporation

ABD 001 0587

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N0800 E1400 - 11/8				
Collected By:	PM, TL				
0-6 in.	0-2" dk brown organic		X		X
	2-6 dk brown silt & organic				
6-18 in.	6-12" same		X		X
	12-18" mottled tan/orange silt, trace organic				
18-36 in.	18-30" same		X		X
	30-36" mottled tan/orange silty sand				
Comments: No surficial ACM					
Sample Location	N0800 E1450 - 11/8				
Collected By:	PM, TL				
0-6 in.	0-2" dk brown organic		X		X
	2-6" dk brown silt & organic				
6-18 in.	6-14" same; 14-18" mottled brown/tan/orange silt,		X		X
	little fine sand, trace clay, trace organic				
18-36 in.	18-20" same		X		X
	20-36" same color, some clay, little fine sand				
Comments: No surficial ACM					
Sample Location	N0822 E0600 - 11/6				
Collected By:	JI, RR				
0-6 in.	Tan to gray mottled silt & clay		X		X
6-18 in.	Gray to tan mottled silt, little clay		X		X
18-36 in.	As above, some fine sand		X		X
Comments: No surficial ACM					

ALLIANCE Technologies Corporation

ABD 001 0588

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N0850 E0215 - 11/6				
Collected By:	MD, TL				
0-6 in.	0-2" dk brown orgs & silt; 2-6" orange & brown silt,		X		X
	little trace clay, some organics				
6-18 in.	6-14" same		X		X
	14-18" same & trace clay				
18-36 in.	18-20" orange & brown silt & clay		X		X
	20-36" orange & brown silt, little trace clay				
Comments: No surficial ACM					
Sample Location	N0850 E0250 - 11/6				
Collected By:	MD, TL				
0-6 in.	Brown silt & orgs, tr clay		X		X
6-18 in.	6-12" same		X		X
	12-18" mottled gray, orange & brown clay & silt				
18-36 in.	Mottled orange, brown & gray, silt & clay, dense		X		X
Comments: No surficial ACM					
Sample Location	N0850 E0300 - 11/6				
Collected By:	MD, TL				
0-6 in.	Dk brown organic & silt		X		X
6-18 in.	Dk brown silt & organic trace clay		X		X
18-36 in.	18-24" same; 24-30" silt & clay, some organic, (mottled		X		X
	brn-orng & tan); 30-36" mttld brn-orng & tan silt w/ tr clay				
Comments:					

ALLIANCE Technologies Corporation

ABD 001 0589

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N0850 E0400 - 11/6				
Collected By:	MD, TL				
0-6 in.	0-3" brown silt & organic		X		X
	3-6" same with trace clay				
6-18 in.	6-10" same; 10-14" mottled orange & tan silt w/ little clay;		X		X
	14-18" same, some clay				
18-36 in.	18-32" mottled orange brown & gray clay & silt,		X		X
	32-36" silty fine sand, tr clay, mottled orange & gray				
Comments: ~ 30" water. No surficial ACM.					
Sample Location	N0900 E0250 - 11/5				
Collected By:	JI, SC				
0-6 in.	Light to dark brown organic silt		X		X
6-18 in.	Gray to mottled clay, trace silt		X		X
18-36 in.	Reddish brown to mottled clay, little silt		X		X
Comments: No surficial ACM					
Sample Location	N0900 E0300 - 11/5				
Collected By:	LC, RR				
0-6 in.	Brown silt, trace clay				
			X		X
6-18 in.	Brown silty clay, dark oranges mottled				
			X		X
18-36 in.	Brown silty clay, moist grading down into mottled				
	red & gray fine sands		X		X
Comments:					

ALLIANCE Technologies Corporation

ABD 001 0590

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N0900 E0350 - 11/5				
Collected By:	MD, TL				
0-6 in.	0-3" dk brown orgs & silt, some clay		X		X
	3-6" dk gray clay & silt & orgs				
6-18 in.	Same		X		X
18-36 in.	Same		X		X
Comments: No surficial ACM. Dups collected for 6B, 18B, 36B.					
Sample Location	N0900 E0450 - 11/5				
Collected By:	MD, TL				
0-6 in.	Brown silt & organic		X		X
6-18 in.	6-8" same		X		X
	8-18" brown & tan mottled silt, little clay, some organic				
18-36 in.	18-24" orange & gray silt & clay		X		X
	24-36" same color, silt, little clay				
Comments: No surficial ACM					
Sample Location	N0900 E0500 - 11/13				
Collected By:	MD, RR				
0-6 in.	Brown silt		X		X
6-18 in.	Brown & rust mottled silt, bottom 3" gray & rust		X		X
	mottled silt, some clay				
18-36 in.	Lt gray & rust mottled clay & silt, bottom 6" lt gray		X		X
	& rust mottled clay, little silt				
Comments: No visible surficial ACM					

ALLIANCE Technologies Corporation

ABD 001 0591

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N0900 E0550 - 11/9				
Collected By:	PM, RR				
0-6 in.	Brown black silt, loam		X		X
6-18 in.	Tan/gray mottled clay & silt		X		X
18-36 in.	Tan mottled silt, dense, brittle		X		X
Comments: No ACM					
Sample Location	N0900 E0600 - 11/5				
Collected By:	JI, SC				
0-6 in.	Brown silt, organics, trace clay		X		X
6-18 in.	Reddish brown to mottled clay, some silt		X		X
18-36 in.	Reddish brown & gray clay, some silt		X		X
Comments: No surficial ACM					
Sample Location	N0900 E0700A - 11/6				
Collected By:	JI, FM				
0-6 in.	Dk to lt brown silt, trace clay & organics		X		X
6-18 in.	Reddish brown to mottled clay, little silt		X		X
18-36 in.	Same as above		X		X
Comments: No surficial ACM					

ALLIANCE Technologies Corporation

ABD 001 0592

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location N0900 E0700B - 11/6 Collected By:					
0-6 in.	Same as A		X		X
6-18 in.	Same as A		X		X
18-36 in.	Reddish brown to brown silt, trace FTM sand, trace clay		X		X
Comments: No surficial ACM					
Sample Location N0900 E0800 - 11/6 Collected By: FM, LC					
0-6 in.	Light brown silt, little clay		X		X
6-18 in.	Light brown silt & clay		X		X
18-36 in.	Light brown silt, little clay, very dense		X		X
Comments:					
Sample Location N0900 E0900 - 11/6 Collected By: JI, RR					
0-6 in.	Black to brown silt, organics, trace clay		X		X
6-18 in.	Same as above w/ some clay		X		X
18-36 in.	@ 18" grating into dk brown silt & clay		X		X
	@ 36" gray pine sand grading into silt				
Comments: No surficial ACM					

ALLIANCE Technologies Corporation

ABD 001 0593

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N0900 E1000 - 11/6				
Collected By:	JL, RR				
0-6 in.	Light brown silt		X		X
6-18 in.	Reddish brown silt, some clay, dense		X		X
18-36 in.	Same as above, w/ some lt gray to blue clay		X		X
Comments:	No asbestos on ground in sample area				
Sample Location	N0900 E1100 - 11/7				
Collected By:	LC, FM				
0-6 in.	Medium brown silt, some clay		X		X
6-18 in.	Light brown silt & clay, fairly dense		X		X
18-36 in.	Orange brown silt, trace clay, coarsening downward		X		X
	to fine sand				
Comments:	No ACM visible				
Sample Location	N0900 E1200 - 11/7				
Collected By:	MD, TL				
0-6 in.	0-1" brown org & silt		X		X
	1-6" brown silt & orgs, tr clay, tr v-f sand				
6-18 in.	6-9" orng brn & gray mttled silt, ltl v-f sand, tr clay; 9-14"		X		X
	orng brn & gray mttld slty v-f sand, ltl clay; 14-18" same & sm clay				
18-36 in.	18-34" orange brown & gray mottled clay & sandy silt		X		X
	34-36" mottled orange brown & gray silt, little clay				
Comments:	No surficial ACM				

ALLIANCE Technologies Corporation

ABD 001 0594

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N0900 E1300 - 11/7				
Collected By:	MD, TL				
0-6 in.	Dk brown organic & silt		X		X
6-18 in.	6-10" same		X		X
	10-18" mottled tan & orange silt, trace clay & organic				
18-36 in.	18-22" same; 22-30" same color, silty sand, trace clay;		X		X
	30-36" same color, silt, little clay				
Comments: No surficial ACM					
Sample Location	N0950 E0207 - 11/6				
Collected By:	MD, TL				
0-6 in.	0-2" brown silt & orgs, trace clay		X		X
	2-6" brown & orange silt, some orgs, little clay				
6-18 in.	6-14" same; 14-18" orange & brown clay & silt, some		X		X
	organics (charred wood)				
18-36 in.	18-20" same		X		X
	20-36" brown & orange silt, little clay				
Comments: No surficial ACM					
Sample Location	N0950 E0250 - 11/6				
Collected By:	MD, TL				
0-6 in.	Brown silt & orgs, little clay		X		X
6-18 in.	6-12" orange, brown & gray mottled clay & silt,		X		X
	little orgs; 12-18" mottled orange & gray silt, some clay				
18-36 in.	Same (@ 24", & clay)		X		X
Comments: No surficial ACM					

ALLIANCE Technologies Corporation

ABD 001 0595

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N0950 E0300 - 11/6				
Collected By:	MD, TL				
0-6 in.	Brown silt & organic trace clay		X		X
6-18 in.	6-12" mottled brown-orange & tan silt, trace clay & organic		X		X
	12-18" same color, silt, some clay				
18-36 in.	18-30" same; 30-36" mottled gray & orange silty		X		X
	fine sand - ~ 32" water				
Comments: No surficial ACM					
Sample Location	N0950 E0350 - 11/6				
Collected By:	MD, TL				
0-6 in.	Brown silt & orgs, trace clay		X		X
6-18 in.	Orange brown & gray mottled silt & clay		X		X
18-36 in.	18-34" same (some, little clay)		X		X
	34-36" orange & gray silty fine sand				
Comments: No surficial ACM					
Sample Location	N0950 E0400 - 11/6				
Collected By:	MD, TL				
0-6 in.	Brown silt & orgs, trace clay		X		X
6-18 in.	6-16" orange & brown silt, tr clay, tr orgs		X		X
	16-18" orange & brown silt & clay				
18-36 in.	18-34" orange & brown silt, some clay		X		X
	34-36" orange & brown silty fine sand				
Comments: No surficial ACM					

ALLIANCE Technologies Corporation

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N0950 E1450 - 11/8				
Collected By:	PM, TL				
0-6 in.	0-4" dk brown silt & organic		X		X
	4-6" brown silt & organic, little clay				
6-18 in.	6-10" same		X		X
	10-18" mottled orange/tan/brown silt, trace clay				
18-36 in.	18-36" same		X		X

Comments:
No surficial ACM

ABD 001 0597

ALLIANCE Technologies Corporation

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1000 E0250 - 11/5				
Collected By:	JI, SC				
0-6 in.	Lt brown silt, trace clay		X		X
6-18 in.	Lt brown to mottled silt, little clay		X		X
18-36 in.	Reddish brown to mottled silt, little fine sand, trace clay		X		X
Comments: No surficial ACM					
Sample Location	N1000 E0350 - 11/5				
Collected By:	MD, TL				
0-6 in.	Brown silt & orgs, some little clay		X		X
6-18 in.	Orange-brown & lt gray mottled silt & clay, some organics		X		X
18-36 in.	Same		X		X
Comments: No surficial ACM					
Sample Location	N1000 E0400 - 11/6				
Collected By:	MD, TL				
0-6 in.	Brown silt & org, trace clay		X		X
6-18 in.	Orange & brown silt, trace clay, trace v-f sand		X		X
18-36 in.	Same (& gray)		X		X
Comments: No surficial ACM					

ABD 001 0598

ALLIANCE Technologies Corporation

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location:	N1000 E0450 - 11/5				
Collected By:	MD, TL				
0-6 in.	Dk brown silt & organics, little clay		X		X
6-18 in.	6-16" same (more dense); 16-18" gray, orange & dk brown		X		X
	mottled silt, some f-vf sand, tr clay				
18-36 in.	18-28" gray f-vf silty sand; 28-30" same & some clay;		X		X
	30-36" gray & orng mttld silty f-vf sand to clay				
Comments: No surficial ACM					
Sample Location:	N1000 E0550 - 11/8				
Collected By:	LC, RR				
0-6 in.	Dark brown organic-rich silt w/ ACM tile fragments	X		X	
6-18 in.	ACM tile fragments - can't get any depth due to concrete,	X		X	
	pieces of wood, other construction debris				
18-36 in.					
Comments:					
Sample Location:	N1000 E0600 - 11/5				
Collected By:	JI, SC				
0-6 in.	Dk to lt brown silt & organics		X		X
6-18 in.	Asbestos tiles damp (pink & green)	X		X	
18-36 in.	Asbestos tiles damp (pink & green)	X		X	
Comments: No surficial ACM					

ALLIANCE Technologies Corporation

ABD 001 0599

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1000 E0600 - 11/9				
Collected By:	MD, RR				
0-2 ft	0-6" brn silt, dense; 6-12" ACM (slurry mix), foam & silt	X		X	
2-4 ft	Green foam & ACM tiles (shoe full of tiles)	X		X	
4-6 ft	No recovery				
6-8 ft	Brown clay & silt, chunk of wood, take another spoon		X		X
8-10 ft	Medium gray clay, trace silt		X		X
Comments: 4' thick ACM. Keep samples to archive - hole already sampled. Determining depth of ACM.					
Sample Location	N1000 E0700 - 11/5				
Collected By:					
0-6 in.	Brown silt, trace clay		X		X
6-18 in.	Red brown silty clay		X		X
18-36 in.	Red brown silt, trace clay, dense		X		X
Comments: No surficial ACM					
Sample Location	N1000 E0800 - 11/6				
Collected By:	FM, LC				
0-6 in.	Light brown silt, some clay, visible ACM fragments	X		X	
6-18 in.	Light brown silt, some clay, fairly dense		X		X
18-36 in.	Light brown silty clay, very dense		X		X
Comments:					

ABD 001 0600

ALLIANCE Technologies Corporation

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location N1000 E0900 - 11/6 Collected By: JI, RR					
0-6 in.	Light brown silt		X		X
6-18 in.	Reddish brown silt, little clay		X		X
18-36 in.	Same as above		X		X
Comments: No surficial ACM					
Sample Location N1000 E1000 - 11/6 Collected By: JI, RR					
0-6 in.	Brown silt, organics		X		X
6-18 in.	Tan to orange brown silt, some clay, trace fine sand		X		X
18-36 in.	Reddish brown fine sand, some silt, trace clay		X		X
Comments: No surficial ACM					
Sample Location N1000 E1100 - 11/7 Collected By: LC, FM					
0-6 in.	Dark gray-brown silty clay, very moist		X		X
6-18 in.	Dark gray-brown silt, some clay		X		X
18-36 in.	Olive green clay, some silt; prange mottles, very firm		X		X
Comments: No ACM visible					

ALLIANCE Technologies Corporation

ABD 001 0601

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1000 E1275 - 11/7				
Collected By:	MD, TL				
0-6 in.	Dark brown organics & silt		X		X
6-18 in.	Same (silt & organices) piece of asphalt shingle		X		X
18-36 in.	Same. small piece ACM at 34" tr fine sand	X		X	
Comments: No surficial ACM					
Sample Location	N1000 E1500 - 11/8				
Collected By:	PM, TL				
0-6 in.	Dk brown to black silt & organic		X		X
6-18 in.	6-10" same; 10-12" tan fine sandy silt;		X		X
	12-18" mottled orange, brown, tan, v-f sandy silt, little clay				
18-36 in.	18-33" same		X		X
	33-36" same, little clay				
Comments: No surficial ACM					
Sample Location	N1021 E0395 - 11/9				
Collected By:	MD, RR				
0-2 ft	0-6" brown silt & organics		X		X
	6-24" brown silt, trace clay				
2-4 ft	Brown silt, trace clay, trace fine sand		X		X
	mottled w/ orange)				
4-6 ft	Same as above		X		X
Comments: Beyond fabric. No surficial ACM.					

ABD 001 0602

ALLIANCE Technologies Corporation

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1037 E0550 A&B (Dup) - 11/8				
Collected By:	LC, RR				
0-6 in.	1" of brown silt topsoil underlain by ACM tile fragments	X		X	
6-18 in.	ACM tile fragments	X		X	
18-36 in.	ACM tile fragments; some green & red spots	X		X	
36-42 in.	Dark brown organic rich silt, some clay, some peat		X		X
Comments:					
Sample Location	N1050 E0207 - 11/6				
Collected By:	MD, TL				
0-6 in.	Brown silt & organic, trace clay		X		X
6-18 in.	Orange & brown silt, some clay & orgs		X		X
18-36 in.	18-24" brown, orange & gray mottled silt, some clay		X		X
	& organics, dense; 24-36" same, but little clay				
Comments: No surficial ACM					
Sample Location	N1050 E0300 - 11/6				
Collected By:	MD, TL				
0-6 in.	Brown silt & orgs, little clay		X		X
6-18 in.	6-12" orange, brown & gray mottled silt, little clay		X		X
	12-18" same (& clay)				
18-36 in.	18-34" same (some, little clay)		X		X
	34-36" orange silty fine sand				
Comments: No surficial ACM					

ALLIANCE Technologies Corporation

ABD 001 0603

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1050 E0350 - 11/6				
Collected By:	MD, TL				
0-6 in.	Brown silt & organic		X		X
6-18 in.	6-10" same; 10-16" orange brown & gray mottled silt,		X		X
	little clay; 16-18" same (& clay)				
18-36 in.	18-22" same; 22-30" same (some clay);		X		X
	30-36" same (trace clay)				
Comments: No surficial ACM					
Sample Location	N1050 E1550 - 11/8				
Collected By:	PM, TL				
0-6 in.	0-2" dark brown organic & silt		X		X
	2-6" dark brown silt & organic, little clay				
6-18 in.	6-18" mottled tan/orange/brown silt, little clay, trace organic		X		X
18-36 in.	18-33" mottled tan/orange silt, little clay		X		X
	33-36" same & clay				
Comments: No surficial ACM					
Sample Location	N1052 E0250 - 11/6				
Collected By:	MD, TL				
0-6 in.	0-2" silt & organic, brown		X		X
	2-6" same, but trace clay				
6-18 in.	6-12" brown silt, some clay		X		X
	12-18" mottled brown-orange & tan, silt, trace clay				
18-36 in.	18-24" same		X		X
	24-36" same, but some clay				
Comments: No surficial ACM					

ABD 001 0604

ALLIANCE Technologies Corporation

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1062 E0429 - 11/8				
Collected By:	LC, MD				
0-2 ft	0-6" med brn silt, some grvl, some clay; 6-24" gravel (~0.5")		X		X
	underlain by gray silt, little clay, occasional gravel				
2-4 ft	orange-brown silt, little clay, underlain by gray-brown silt,		X		X
	little clay				
4-6 ft	Dk brown silt, some clay, occasional gravel underlain by		X		X
	0-8' medium brown sandy silt				
Comments: Under geotextile fabric. On edge of fabric pieces of tile.					
Sample Location	N1063 E0300 - 11/9				
Collected By:	LC, MD				
0-2 ft	0-6" medium brown silt & gravel		X		X
	6-24" medium brown to yellow-brown silt, some clay				
2-4 ft	Yellow-brown silt, some clay, black mottles.		X		X
	Bottom 2" yellow-brown silty sand				
4-6 ft	Yellow-brown silt, some clay, grading downward to silty sand		X		X
Comments: Under/through geotextile fabric south of Teilman backyard. ACM around edge of tiles.					
Sample Location	N1071 E1100 on road - 11/12				
Collected By:	MD, RR				
0-2 ft	0-6" ACM tiles & red brown silt; 6-24" ACM tiles	X		X	
	ACM tile fragments & ground up ACM ? pieces of wood;	X		X	
	Hammer's bouncing, wood in way, go to 300 lb hammer,				
2-4 ft	No recovery - wood lodged in spoon				
4-6 ft	Brown silt dk gray to dk gray fine sand, tr silt		X		X
	Back to 140 lb weight				
Comments: EOB 8'. Landfill material 6'. Visible surficial ACM.					

ALLIANCE Technologies Corporation

ABD 001 0605

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present		Analysis Required	
		yes	no	PLM	TEM
Sample Location	N1095 E0700 - 11/5				
Collected By:	LC, RR				
0-6 in.	Dark brown to red brown silt, topsoil		X		X
6-18 in.	Red brown silt & fine sand		X		X
18-36 in.	Red brown fine sand, some silt		X		X

Comments:
Instead of N1100E700 because road moved 5 ft
No surficial ACM

ARD 001 0606

ALLIANCE Technologies Corporation

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1100 E0250(A&B) - 11/5				
Collected By:	JL, SC				
0-6 in.	Dk brown organic silt, trace clay		X		X
6-18 in.	Lt brown silt, little organics, little clay		X		X
18-36 in.	Lt gray to mottled silt, some clay		X		X
	Rust to mottled clay, some silt				
Comments: No surficial ACM					
Sample Location	N1100 E0300 - 11/5				
Collected By:	LC, RR				
0-6 in.	Brown to tan silt topsoil		X		X
6-18 in.	Brown-gray mottled silt w/ some clay, fairly dense		X		X
18-36 in.	Brown to tan mottled silt, little clay, very dense		X		X
Comments: No surficial ACM					
Sample Location	N1100 E0350 - 11/5				
Collected By:	MD, TL				
0-6 in.	Brown silt, some f-vf sand & organics		X		X
6-18 in.	Same as above (w/o sand)	X		X	
	@ 16" - ACM				
18-36 in.	Orange-brown & lt gray mottled silt & clay		X		X
	& organics				
Comments: No surficial ACM					

ALLIANCE Technologies Corporation

ABD 001 0607

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1100 E0560 - 11/9				
Collected By:	RR, MD				
0-2 ft	0-1" brown silt & organics				
	1-24" ACM tiles, wall board-like layers	X		X	
2-4 ft	2" black silt & organics				
4-6 ft	No recovery				
6-8 ft	Orange brown peat	X		X	
	ACM 2' thick				
Comments: ACM tiles all over surface					
Sample Location	N1100 E0600 - 11/5				
Collected By:	JI, SC				
0-6 in.	Dk brown & lt green organics & silt		X		X
	(maybe asbestos)				
6-18 in.	Same as above, wet		X		X
18-36 in.	Same as above, wet. This sample was in saturated		X		X
	wetlands type area, so samples were saturated				
Comments: No surficial ACM					
Sample Location	N1100 E0600 - 11/9				
Collected By:	MD, RR				
0-2 ft	0-6" brown silt & organics; 4-6" layer ACM tiles	X		X	
	6-24" 6" ACM tile, dk brn silt, orgs, roots, tr fine sand				
2-4 ft	Brown-black silt	X		X	
4-6 ft	Dk brown peak grading to lt brown peat	X		X	
	ACM 3" thick				
Comments: ACM tiles visible within 20'					

ALLIANCE Technologies Corporation

ABD 001 0608

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1100 E0700 - 11/9				
Collected By:	MD, RR				
0-2 ft	0-6" brown silt & organics, sm pieces ACM tile - PLM	X		X	
	6-18" orange silt & v-f sand & brown mottled				
2-4 ft	Orange & brown mottled silt, tr fine sand		X		X
4-6 ft	Orange & brown mottled silt & fine sand		X		X
	(trace clay 14-16")				
Comments: Collect dups too (B). Drilling under fabric on road. Visible surficial ACM.					
Sample Location	N1100 E0800 - 11/6				
Collected By:	FM, LC				
0-6 in.	Tile fragments; dark red-brown silt, trace clay	X		X	
6-18 in.	Mostly ACM (~80%) with minor dark-brown silt	X		X	
	& some gravel				
18-36 in.	As above	X		X	
Comments:					
Sample Location	N1100 E0900A - 11/6				
Collected By:	FM, LC				
0-6 in.	Dark gray-brown silty clay; visible ACM	X		X	
6-18 in.	As above, underlain by white ACM fragments	X		X	
18-36 in.	ACM tile fragments, minimal recovery due to high	X		X	
	water table				
Comments:					

ALLIANCE Technologies Corporation

ABD 001 0609

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1100 E0900B - 11/6				
Collected By:	FM, LC				
0-6 in.	Dark bray brown silty clay, visible ACM	X		X	
6-18 in.	As above, visible ACM	X		X	
18-36 in.	Mostly ACM fragments, ~20% dark gray-brown	X		X	
	silty clay				
Comments:					
Sample Location	N1100 E0950 - 11/12				
Collected By:	MD, RR				
0-2 ft	0-6" brn silt, ACM starts at 6"; 6-20" fibrous slurry ACM, grn	X		X	
	& wht - PLM; 20-24" milk-white curd-like material				
2-4 ft	Milk-white curd-like material		X		X
4-6 ft	Dk gry & brn mottled silt, little clay grades into dk gry		X		X
	& brn mottled fine sand, little silt				
6-8 ft	Brown-rust silt & fine sand, little clay		X		X
Comments:	ACM 4' thick. No visible surficial ACM. Collect unknown #3 - 11/12 - milk substance				
Sample Location	N1100 E1250 - 11/7				
Collected By:	MD, TL				
0-6 in.	Brown silt & organic, trace clay		X		X
6-18 in.	Hit ACM at 12", loosely packed, same	X		X	
18-36 in.	Brown silt & ACM fill	X		X	
Comments:	No surficial ACM within 3' of marker. Surficial ACM ~ 10' south of marker.				

ALLIANCE Technologies Corporation

ABD 001 0610

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location: N1100 E1500 - 11/8					
Collected By: TL, PM					
0-6 in.	0-2" dark brown organic & silt		X		X
	2-6" dk brown silt & organic, trace clay				
6-18 in.	6-8" same		X		X
	8-18" silty very fine sand mottled gray/orange				
18-36 in.	18-22" same; 22-33" orange silty very fine sand;		X		X
	33-36" same, little clay				
Comments: No surficial ACM					
Sample Location: N1128 E0800 - 11/12					
Collected By: MD, RR					
0-2 ft	0-6" brn silt & ACM tile frgmnts - PLM; 6-24" fibrs ACM -	X		X	
	psbl slurry mix, some ACM tiles (shoe has tiles) wht & red				
2-4 ft	3" ACM tiles	X		X	
4-6 ft	Shoe black org silt, 2" ACM tiles possible dragdown	X		X	
6-8 ft	Dk brn-blk v soft peak-like material, no ACM; ACM chips		X		X
	may be due to driller bouncing spn up & down to ensure recvry)				
Comments: EOB 8'. Change in spoon in 4-6' spoon bottom. Visible surficial ACM. ACM 5-6" thick.					
Sample Location: N1140 E0358 - 11/6					
Collected By: MD, TL					
0-6 in.	0-2" brown silt & organic		X		X
	2-6" coarse to fine sand & silt & gravel (fill)				
6-18 in.	6-12" same		X		X
	12-18" brown silt, trace clay, some organic				
18-36 in.	Brown silt & clay, some c-f sand, some organic		X		X
Comments: No surficial ACM					

ALLIANCE Technologies Corporation

ABD 001 0611

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1150 E0207 - 11/6				
Collected By:	MD, TL				
0-6 in.	Dk brown silt & orgs, little gravel (fill from road)		X		X
6-18 in.	6-18" same; 8-16" brown, orange & gray mottled silt,		X		X
	little trace clay, little orgs				
18-36 in.	18-22" same; 22-36" orange, brown, & gray mottled		X		X
	clay & silt, trace v-f sand				
Comments: No surficial ACM, water at 30"					
Sample Location	N1150 E0235 - 11/9				
Collected By:	LC, MD				
0-2 ft	0-6" brown silt topsoil, little clay; 6-24" brown silt,		X		X
	little clay filling downward to yellow-brown silt, some clay				
2-4 ft	Yellow-brown silt, some clay, coarsening downward to		X		X
	gray-brown silty sand w/ orange mottles				
4-6 ft	Medium brown silt, some clay, underlain by medium brown		X		X
	fine silty sand				
Comments: No ACM visible at surface					
Sample Location	N1150 E0250 - 11/6				
Collected By:	MD, TL				
0-6 in.	Dk brown sandy silt, some orgs, trace gravel		X		X
6-18 in.	6-10" same plus little clay		X		X
	10-18" brown & dk gray silt, trace clay				
18-36 in.	18-22" tan sandy silt, trace clay		X		X
	22-36" orng brn & gray mttld silt & clay, little orgs				
Comments: No surficial ACM					

ALLIANCE technologies Corporation

ABD 001 0612

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1150 E0250 - 11/9				
Collected By:	LC, MD				
0-2 ft	0-6" brn silt topsoil; 6-24: brn to gry-brn silt, tr to some clay		X		X
	(incrsng w/ depth), tr grvl, 1" yllw-gry slt, some clay in bttm				
2-4 ft	Gray-brown silt, some clay, orange mottles underlain by		X		X
	~1" of red fine sand, little clay				
4-6 ft	Red-brown silt, some clay, ~2" of red-brown silty sand		X		X
	at the bottom				
Comments: No ACM visible at surface					
Sample Location	N1150 E0300 - 11/6				
Collected By:	MD, Tl				
0-6 in.	Brown sandy silt & orgs, trace clay		X		X
6-18 in.	6-12" same		X		X
	12-18" brown silt, little clay, little m-f sand				
18-36 in.	18-26" gray & brown silt, little clay, trace fine sand		X		X
	26-36" gray brown & orange mottled silt, some clay				
Comments: No surficial ACM					
Sample Location	N1150 E0500 - 11/5				
	MD, TL				
0-6 in.	0-2: dk brn silt & orgs, ltl clay; 2-6" gray, brown		X		X
	& orange mottled silt, some orgs, ltl trace clay				
6-18 in.	6-12" dk brn silt & orgs, some clay		X		X
	12-18" gray, brown & orange mottled sandy silt, ltl clay				
18-36 in.	18-20" gr clay & silt (sft, moist); 20-28" gray & orng mttld		X		X
	sndy slt, tr cly; 28-30" same as 18-20"; 30-36" same as 20-28"				
Comments: No surficial ACM					

ALLIANCE Technologies Corporation

ABD 001 0613

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1150 E0700 - 11/12				
Collected By:	MD, RR				
0-2 ft	0-6" dark brown silt		X		X
	6-24" brown silt, little trace clay		X		X
2-4 ft	Brown silt & fine sand, grading into fine sand,		X		X
	trace silt				
4-6 ft					
Comments: No surficial ACM					
Sample Location	N1150 E0800 - 11/6				
Collected By:	FM, LC				
0-6 in.	ACM tile & tile fragments, dark gray-brown silt,	X		X	
	little clay				
6-18 in.	Refusal at 6"				
18-36 in.					
Comments:					
Sample Location	N1150 E1550 - 11/8				
Collected By:	PM, TL				
0-6 in.	0-2" dark brown organic & silt		X		X
	2-6" silty fine sand & organic dark brown				
6-18 in.	6-10" same		X		X
	10-18" mottled tan/orange silty fine sand				
18-36 in.	18-33" same, trace clay		X		X
	33-36" same, little clay				
Comments: No surficial ACM					

ALLIANCE Technologies Corporation

ABD 001 0614

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	**N1173 E0327 - 11/8**				
Collected By:	**MD, LC**				
0-2 ft	0-6" 1" of brn silt topsoil underlain by ACM tile fragments	X		X	
	6-24" red brown silt, trace clay, trace ACM, gravel				
2-4 ft	Light brown silt, little clay, orange & black mottles		X		X
4-6 ft	As above		X		X
Comments: No ACM visible at surface					
Sample Location	**N1181 E0250 - 11/8**				
Collected By:	**MD, LC**				
0-2 ft	0-6" dk brn silt topsoil, trace clay, trace ACM fragments;	X		X	
	6-24" as above, coarsening downward to include fine sand				
2-4 ft	Dark brown silt, trace clay		X		X
4-6 ft	Orange brown silt, trace clay		X		X
Comments: No ACM visible at surface					
Sample Location	**N1190 E0465 B-5 - 11/7**				
Collected By:	**JI, RR**				
0-2 ft	Brown silt, 3/4" stone, trace clay bottom inch,		X		X
	black asphalt like material				
2-4 ft	Nose plugged w/ asbestos shingle	X		X	
4-6 ft	Wet, dk blk silt w/ chips asbestos tiles	X		X	
6-8 ft	Very fine almost peat like silt w/ some organic matter	X		X	
	EOB 8'				
Comments: Recoveries were not good @ this location, maybe due to organic layers. Visible asbestos on ground near borehole. ACM @ 0-5 ft.					

ALLIANCE Technologies Corporation

ABD 001 0615

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present		Analysis Required	
		yes	no	PLM	TEM
Sample Location	N1190 E1165 - 11/12				
Collected By:	MD, RR				
0-2 ft	0-6" dk brown silt ACM - PLM	X		X	
	6-24" ACM tiles & fibrs ACM, piece of red foam	X		X	
2-4 ft	White & green fibrous ACM material	X		X	
4-6 ft	Black-dk gray org & wood, pieces foam, some silt,		X		X
	trace clay				
6-8 ft	Dk brown peak-like material		X		X

Comments:
EOB 8'. ACM 4' thick. No visible surficial ACM.

ABD 001 0616

ALLIANCE Technologies Corporation

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1200 E0207 A - 11/8				
Collected By:	TL, RR				
0-6 in.	0-4" brown silt & organic		X		X
	4-6" brown silt & organic, trace clay, trace sand				
6-18 in.	6-12" brown silt, little clay, trace organic		X		X
	12-18" light brown silt, trace v-f sand, trace organic				
18-36 in.	fine sandy silt, mottled orange/brown		X		X
Comments: A of duplicate. No surficial ACM.					
Sample Location	N1200 E0207 B - 11/8				
Collected By:	TL, RR				
0-6 in.	Soils identical to sample A		X		X
6-18 in.	Soils identical to sample A		X		X
18-36 in.	Soils identical to sample A		X		X
	Water at ~30"				
Comments: B of duplicate.					
Sample Location	N1200 E0225 - 11/13				
Collected By:	MD, RR				
0-2 ft	Brown silt		X		X
2-4 ft	Gray fine sand & silt grading to mottled gray &		X		X
	rust fine sand, some silt				
4-4.8 ft	As above, shoe has black dk gray silty clay		X		X
	EOB 4.8'				
Comments: Using portaprobe w/ 40 lb wt. Disregard blow counts. No visible surficial ACM.					

ALLIANCE Technologies Corporation

ABD 001 0617

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1200 E0250 - 11/8				
Collected By:	MD, LC				
0-2 ft	0-6" yellow brown silt, some clay, black mottles,	X		X	
	ACM tile fragments; 6-24" as above				
2-4 ft	Dark gray to brown silt, some clay, ACM tile	X		X	
	fragments (top 5")				
4-6 ft	As above, with ACM tile fragments	X		X	
6-8" ft	Dk gray brn fine sand w/ 3-4" of peat in bottom		X		X
Comments: No ACM visible at surface					
Sample Location	N1200 E0293 - 11/7				
Collected By:	RR, JI				
0-2 ft	0-6" dk reddish brown silt w/ gravel				
	6-12" brn fine sand, bottom 2" ACM tiles	X		X	
2-4 ft	Brown silt & clay		X		X
4=6 ft	Brown pieces of ACM, no chips more pulverized	X		X	
	Tan mottled clay, little clay		X		X
Comments: EOB 6'. ACM tiles 2-3" thick layer. Hit @ 2', @ 4' as well.					
Sample Location	N1200 E0425 - 11/7				
Collected By:	RR, JI				
0-6 in.	Septic system & fence - reddish brown silt rocks -	X		X	
only	ACM tile pieces				
Comments: (Backyard) - bushes					

ALLIANCE Technologies Corporation

ABD 001 0618

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1200 E0600 - 11/5				
Collected By:	JI, SC				
0-6 in.	Brown silt, organics		X		X
6-18 in.	Dk brown to black clay, trace silt		X		X
18-36 in.	Lt gray to slight mottled silt, trace MTF sand		X		X
Comments: No surficial ACM					
Sample Location	N1200 E0800 - 11/6				
Collected By:	FM, LC				
0-6 in.	Dark gray-brown silt, some clay		X		X
6-18 in.	Dark gray-brown silt, little clay,	X		X	
	ACM (white & green)				
18-36 in.	Refusal at 18" - possibly ACM tiles				
Comments:					
Sample Location	N1200 E1200 - 11/7				
Collected By:	MD, TL				
0-6 in.	Brown silt & organic, trace clay		X		X
6-18 in.	6-12" same, some clay		X		X
	12-18" mttld orng tan & brn silty fine sand, tr clay				
18-36 in.	18-30 same		X		X
	30-36 same, orange color				
Comments: No surficial ACM					

ALLIANCE Technologies Corporation

ABD 001 0619

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1200 E1209 - 11/7				
Collected By:	MD, TL				
0-6 in.	Dk brown orgs & silt		X		X
6-18 in.	Same, tr clay		X		X
18-36 in.	18-21" same		X		X
	21-36" gray & orange silty fine sand, little clay				
Comments: No surficial ACM					
Sample Location	N1224 E0320 (in front of front door of house) - 11/13				
Collected By:	MD, RR				
0-2 ft	0-6" brown silt, small pieces ACM fragments	X		X	
	6-8" ACM fragments, shoe has brown silt & sand, PLM				
2-4 ft	Brown & gray mottled silt & clay		X		X
4-6 ft	Brown-gray silt & fine sand, trace clay		X		X
	EOB 6'				
Comments: ACM 2" - localized layer, collect dup too. No visible surficial ACM					
Sample Location	N1238 E1000 (Road) - 11/12				
Collected By:	MD, RR				
0-2 ft	0-6" fill mat'l, chunks asphalt, silt, little sand	X		X	
	6-24" ACM tile chips				
2-6 ft	2-4' ACM tile chips; 4-6' ACM tile fragments, red styrofoam	X		X	
6-8 ft	Brown gray & rust mottled silt & clay		X		X
8-10 ft	Brown fine sand, some silt		X		X
Comments: EOB 10'. ACM 6' thick. Visible surficial ACM tiles. Boring is under fabric on road.					

ALLIANCE Technologies Corporation

ABD 001 0620

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1250 E0208 - 11/8				
Collected By:	PM, TL				
0-6 in.	0-2" dk brown silt & organic		X		X
	2-6" brown silt, some organic, trace v-f sand				
6-18 in.	6-12" same; 12-18" mottled tan, orange & brown silt,		X		X
	little clay, trace organic				
18-36 in.	18-36" color same, silty v-f sand, trace clay		X		X
Comments:					
Sample Location	N1250 E0225 - 11/8				
Collected By:	MD, LC, RR				
0-2 ft	0-6" dk brown silt topsoil		X		X
	6-24" yellow brown silt, some clay, bottom 1" = ACM	X		X	
2-4 ft	Top 4" = ACM fragments underlain by gray silty clay,	X		X	
	orange mottles coarsening downward to silty sand, gray				
4-6 ft	Possibly 2" layer of ACM on top (possibly slough) underlain				
	by gray silty sand; bottom 1" gray silty clay - ACM?				
Comments:					
Sample Location	N1250 E0250 - 11/8				
Collected By:	MD, RR, LC				
0-2 ft	0-5" dark brown silt topsoil, 5-6" 100% ACM;	X		X	
	6-24" ~100% ACM - ACM 2' thick				
2-4 ft	No recovery, too soft				
4-6 ft	Dark gray brown silt clay, some peat		X		X
Comments: No ACM visible at surface					

ALLIANCE Technologies Corporation

ABD 001 0621

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1250 E0300 - 11/7				
Collected By:	RR, JI				
0-2 ft	0-6" Rdsh brn silt, gravel, fill material; 6-12" dk brn	X		X	
	to rdsh brn grading to dk brn silt; 12-16" ACM tiles				
2-4 ft	Gray clay, little clay		X		X
4-6 ft	Reddish brown to gray sand, little silt		X		X
6-8 ft	Brown reddish silt		X		X
	EOB 8'				
Comments: ACM layer 6-8" of no asbestos					
Sample Location	N1250 E0350 - 11/6				
Collected By:	JI, FM				
0-6 in.	Dk to lt brown silt, topsoils, organics		X		X
6-18 in.	Brown silt, trace clay		X		X
18-36 in.	Brown to mottled silt & clay		X		X
Comments: No surficial ACM					
Sample Location	N1250 E0390 - B-7 - 11/7				
Collected By:	JI, PM				
0-2 ft	Dense reddish to brown silt, some gravel		X		X
2-4 ft	Fill material, gravel, asphalt		X		X
4-6 ft	Gray to lt gray silt, little fine sand, trace clay		X		X
Comments: EOB 6 ft; No ACM on surface					

ALLIANCE Technologies Corporation

ABD 001 0622

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1250 E0400 - 11/6				
Collected By:	JI, FM				
0-6 in.	Light brown silt, topsoil organics		X		X
6-18 in.	Brown to light silt, trace clay		X		X
18-36 in.	Hit hard surface @ 18", could not go through		X		X
	with shovel or auger				
Comments: No surficial ACM					
Sample Location	N1250 E0450 - B-4 - 11/7				
Collected By:	JI, RR, PM				
0-2 ft	Reddish brown to brown silt, little gravel		X		X
2-4 ft	Same as above w/ rock fragments - 3/4" stone		X		X
4-6 ft	Same as above. ACM, wet, small fragments of rocks	X		X	
6-8 ft	Very soft, seems to be out of asbestos, no recovery		X		X
8-10 ft	Peat		X		X
Comments: 2-3' ACM at 4 feet					
Sample Location	N1250 E0800 (Driveway area near MW) - 11/12				
Collected By:	MD, RR				
0-2 ft	Fill, brown silt, RXS, asphalt, ACM fibrous material	X		X	
2-4 ft	ACM tiles & fibrous ACM	X		X	
4-6 ft	0-10" slurry ACM; 10-12" black org silt	X		X	
6-8 ft	Brown peat w/ pieces ACM tiles	X		X	
8-10 ft	Brown peat		X		X
	EOB 10'				
Comments: ACM 8' thick. No visible surficial ACM.					

ALLIANCE Technologies Corporation

ABD 001 0623

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1250 E0900 (Driveway area) - 11/12				
Collected By:	MD, RR				
0-2 ft	0-6" brown-gray silt, some gravel; 6-8" same, PLM;				
	8-11" org matter, roots; 11-24" ACM tiles	X		X	
2-4 ft	No recovery, ACM tile stuck in spoon (3")	X		X	
4-6 ft	Dragdown 4" tiles; 4-8" black org silt; 3" brown peat	X		X	
6-8 ft	Brown peat		X		X
	EOB 8'				
Comments: ACM 3-4' thick. No visible surficial ACM.					
Sample Location	N1250 E1550 - 11/8				
Collected By:	PM, TL				
0-6 in.	0-4" dk brown organic & silt		X		X
	4-6" tan silt, trace clay, little organic				
6-18 in.	6-10" same		X		X
	10-18" mottled brown/tan/orange silt, some clay				
18-36 in.	18-24" same; 24-33" same, little clay, color;		X		X
	33-36" silty fine sand, same color				
Comments: Island. No surficial ACM.					

ALLIANCE Technologies Corporation

ABD 001 0624

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1300 E0206 - 11/8				
Collected By:	RR, TL				
0-6 in.	Brown silt & organic trace, v-f sand		X		X
6-18 in.	6'12" dk brown silt & organic trace fine sand;		X		X
	12-14 same, little clay; 14-18 brown silt, trace organic				
18-36 in.	18-24" brown silt & clay		X		X
	Mottled brown orange & tan silt, some organic				
Comments: No surficial ACM					
Sample Location	N1300 E0225 - 11/8				
Collected By:	LC, MD, RR				
0-2 ft	0-6" medium brown silt topsoil, trace clay; 6-24"		X		X
	dk gray-brown silt, little clay; bottom 4" ACM fragments				
2-4 ft	ACM fragments & dk silt, trace clay, upper 6" underlain	X		X	
	by dk gray silt & clay, very firm				
4-6 ft	Gray silty sand; ~1" of gray silty clay at bottom		X		X
Comments: No ACM visible at surface					
Sample Location	N1300 E0250 - 11/8				
Collected By:	MD, RR, LC				
0-2 ft	0-6" red brown silt, no ACM visible; 6-24" gray brown		X		X
	6-24" gray brn silt, ltl clay, ACM layer 0.8' thick in bottom	X		X	
2-4 ft	ACM fragments	X		X	
4-6 ft	ACM fragments w/ dk gray brown silt & clay	X		X	
6-10 ft	6-8' no recovery; 8-10' dk gray brn silt & clay w/ ACM tile	X		X	
	fragments at top 3", scattered sml frgmnts throughout				
Comments: 10-12 ft dark gray brown sandy silt; No ACM visible at surface					

ALLIANCE Technologies Corporation

ABD 001 0625

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1300 E0300 - 11/6				
Collected By:	JI, FM				
0-6 in.	Brown silt, trace MTF sand w/ organics, topsoil		X		X
6-18 in.	Brown to reddish brown silt, some clay		X		X
18-36 in.	Dk brown to black silt, some clay, little gravel, sample		X		X
Comments: No surficial ACM					
Sample Location	N1300 E0300 - 11/7				
Collected By:	RR, JI				
0-2 ft	0-6" reddish brown silt, some fine sand, possible ACM				
	6-24" no recovery				
2-4 ft	Red brown silt, & clay, 2" layer of asb tiles	X		X	
	grading into tan to mottled silt & clay				
4-6 ft	Tan mottled sand & silt, little clay	X		X	
	EOB 6'				
Comments: ACM 2" thick @ ~3.5' depth					
Sample Location	N1300 E0327 - 11/13				
Collected By:	MD, RR				
0-2 ft	Brown silt & gravel, wood pieces (fill)		X		X
2-4 ft	Brown silt		X		X
4-6 ft	Brown, slightly gray mottled fine sand, little silt & clay (trace)		X		X
Comments: No visible surficial ACM					

ALLIANCE Technologies Corporation

ABD 001 0626

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location: N1300 E0350 - 11/6 Collected By: JI, FM					
0-6 in.	Dk to lt brown silt, organics, little MTF sand		X		X
6-18 in.	Light brown to mottled silt, trace fine sand		X		X
18-36 in.	Brown to light brown silt, trace clay		X		X
Comments: No surficial ACM					
Sample Location: N1300 E0400 - 11/6 Collected By:					
0-6 in.					
6-18 in.					
18-36 in.					
Comments: Too hard					
Sample Location: N1300 E0400 - 11/7 Collected By: RR, JI					
0-2 ft	Dense brown to reddish brown silt, some rock & gravel		X		X
2-4 ft	Same, less dense, trace clay		X		X
	Black to gray silt, some clay				
4-6 ft	Tan to mottled reddish brown silt, some clay, dense		X		X
	EOB 6'				
Comments: Some asbestos chips (ACM) near borehole					

ALLIANCE Technologies Corporation

ABD 001 0627

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1300 E0462 - B-3 - 11/7				
Collected By:	RR, JI				
0-2 ft	Brown silt, some FTM sand				
2-4 ft	As above, glass, more silty, small gravels, bottom 2" -	X		X	
	black to gray silt w/ tiles				
4-6 ft	Wet ACM tiles w/ dk brn to blk silt	X		X	
6-8 ft	Large pieces of tiles (white tiles)	X		X	
8-10 ft	Very soft, spongy peat-like material, dk brn to blk		X		X
Comments: End of boring 10'. 6'of ACM.					
Sample Location	N1300 E0600 - 11/5				
Collected By:	JI, SC				
0-6 in.	Lt brown silt, topsoil organics		X		X
6-18 in.	Reddish brown to mottled silt, trace clay		X		X
18-36 in.	Same as above		X		X
Comments: No surficial ACM					
Sample Location	N1300 E1100 - 11/7				
Collected By:	LC, FM				
0-6 in.	Gray brown silt underlain by olive green-gray silty		X		X
	clay w/ orange mottles				
6-18 in.	Olive green-gray silty clay with orange mottles		X		X
18-36 in.	As above		X		X
Comments:					

ABD 001 0628

ALLIANCE Technologies Corporation

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1300 E1200 - 11/7				
Collected By:	MD, TL				
0-6 in.	Brown silt & org, little v-f sand		X		X
6-18 in.	6-10" brown silt, tr clay, tr v-f sand		X		X
	10-18" orange & gray sandy silt, little tr clay				
18-36 in.	18-30" orange brown & gray mttld silt & clay, ltl fine sand		X		X
	30-36" orange sandy silt, tr clay				
Comments: No surficial ACM					
Sample Location	N1300 E1300 - 11/7				
Collected By:	MD, TL				
0-6 in.	0-1" brn orgs, some silt; 1-5" brn sndy silt & org, tr clay;		X		X
	5-6" orange & brown sandy silt, some clay				
6-18 in.	6-10" mttld orng & gray med clay & silt; 10-16" orng & gray		X		X
	& silt; 16-18" orng & gray silt, some clay, some v-f sand				
18-36 in.	Orange & gray silty fim sand, tr clay		X		X
Comments: No surficial ACM					
Sample Location	N1300 E1500 - 11/8				
Collected By:	TL, PM				
0-6 in.	Dk brown to black silt & organic		X		X
6-18 in.	6-10" same; 10-14" mottled gray/orange silt,		X		X
	trace fine sand; 14-18" same, little clay				
18-36 in.	18-24" same		X		X
	24-36" same, some clay				
Comments: No surficial ACM					

ALLIANCE Technologies Corporation

AB D 001 0629

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location N1300 E1550 - 11/8 Collected By: PM, TL					
0-6 in.	Brown silt & organic		X		X
6-18 in.	6-10" same		X		X
	10-18" mottled brown/orange silt, trace organic				
18-36 in.	18-22" same color silt, little clay, trace organic		X		X
	22-30" same color, silty very fine sand				
Comments: No surficial ACM					
Sample Location N1300 E1600 - 11/8 Collected By: PM, TL					
0-6 in.	0-3" dk brown organic		X		X
	3-6" dk brown to black silt & organic				
6-18 in.	6-14" same		X		X
	14-18" gray silt, little very fine sand				
18-36 in.	18-22" same; 22-34" mottled gray/orange silt, same		X		X
	very fine sand; 34-36" same, trace clay				
Comments: No surficial ACM					
Sample Location N1338 E0350 - 11/7 Collected By: RR, JI					
0-2 ft	CTF sand (reddish brown), trace silt		X		X
2-4 ft	No recovery		X		X
4-6 ft	Brown to mottled silt, trace clay		X		X
	EOB @ 6'				
Comments: No ACM found					

ALLIANCE Technologies Corporation

ABD 001 0630

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1350 E0200 - 11/8				
Collected By:	PM, TL				
0-6 in.	Brown silt & organic		X		X
	4-6" same, little clay & small stones				
6-18 in.	6-14" brown silt, little clay & organic		X		X
	14-18" brown silt, trace organic, some clay				
18-36 in.	18-24" mottled brown & orange silt, some clay, trace organic		X		X
	24-36" same, & clay				
Comments:					
Sample Location	N1350 E0225 - 11/8				
Collected By:	LC, MD				
0-2 ft	0-6" medium to dk brown silt, trace clay; 6-24" as above,		X		X
	some clay; bottom 3" yellow silt, some clay				
2-4 ft	Gray silt, little clay, w/ brown mottles		X		X
4-6 ft	Medium brown silty sand, occasional gray mottles		X		X
Comments:					
Sample Location	N1350 E0250 - 11/8				
Collected By:	LC, MD				
0-2 ft	0-6" yellow brown silt, trace clay, bottom 1" ACM	X		X	
	6-24" ACM tile fragments				
2-4 ft	ACM tile fragments; bottom 1", dark gray-brown	X		X	
	silt & clay				
4-6 ft	Upper 1" ACM underlain by gray-brown silty sand w/ orange	X		X	
	mottles				
Comments: No ACM visible at surface					

ALLIANCE Technologies Corporation

ABD 001 0631

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1350 E0300 - 11/7				
Collected By:	RR, LI				
0-2 ft	Reddish brown silts, clay, silt, rocks, ash		X		X
2-4 ft	Brown to reddish silt orgs, grading into bluish clay		X		X
	(6-8" thick)				
4-6 ft	Reddish brown to gray silt, dense		X		X
	EOB 6'				
Comments: No ACM					
Sample Location	N1350 E0400 Offset - 11/7				
Collected By:	RR, JI				
0-2 ft	Reddish brown to mottled silt trace, fine sand & gravel		X		X
2-4 ft	Same as above		X		X
4-6 ft	Same as above, trace clay		X		X
	EOB 6'				
Comments:					
Sample Location	N1350 E0400 - 11/6				
Collected By:	RR, LC				
0-6 in.	Brown silt, trace clay		X		X
6-18 in.	Brown gravelly, silt fill		X		X
18-36 in.	No recovery, refusal at 18"		X		X
Comments:					

ABD 001 0632

ALLIANCE Technologies Corporation

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1350 E0466 B-6 - 11/7				
Collected By:	JL, RR				
0-2 ft	Dk brown silt, cement, little fine sand		X		X
2-4 ft	Dk brown silt, some clay, trace gravel (small)		X		X
4-6 ft	Dk brown to reddish brown silt & clay		X		X
6-8 ft	No recovery, metal trap broken				
	Recovered, back, lt brn clay, some MTF sand - sample saturated		X		X
Comments: EOB @ 8 ft					
Sample Location	N1352 E1300 - 11/7				
Collected By:	MD, TL				
0-6 in.	Brown silt & organic		X		X
6-18 in.	6-10" brown silt & organic, some clay		X		X
	10-18" mottled brown orange & tan silt & clay, tr organic				
18-36 in.	18-30" same		X		X
	30-36" same, no organic, trace fine sand				
Comments: No surficial ACM					
Sample Location	N1375 E1100 - 11/7				
Collected By:	LC, FM				
0-6 in.	Medium brown silt, little clay		X		X
6-18 in.	Yellow brown silt, little clay		X		X
18-36 in.	Gray silty clay, orange mottles		X		X
Comments:					

ALLIANCE Technologies Corporation

ARD 001 0633

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1375 E1200 - 11/7				
Collected By:	MD, TL				
0-6 in.	0-3" dk brown organic & silt		X		X
	3-6" brown silt & organic				
6-18 in.	6-12" same		X		X
	12-18" brown silt, trace organic & clay				
18-36 in.	18-24" brown silt, little clay, trace organic		X		X
	24-36" brown-orange silt, some clay, trace organic				

Comments:
Thin roots @ 18-36". No surficial ACM

ABD 001 0634

ALLIANCE Technologies Corporation

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location:	N1400 E0225 - 11/8				
Collected By:	MD, LC				
0-2 ft	0-6" red brown silt topsoil underlain by 6"-24" gray brown		X		X
	silt, trace clay. Bottom 3" yellow-brown silt, little clay				
2-4 ft	Yellow-brown silt, some clay, 6" of fine sand,		X		X
	yellow-brown in bottom				
4-6 ft	Light brown silty sand		X		X
Comments: No ACM visible at surface					
Sample Location	N1400 E0250 - 11/8				
Collected By:	MD, LC				
0-2 ft	0-6" medium yellow-brown silt, trace clay, no ACM		X		X
	6-24: no recovery				
2-4 ft	Yellow-brown silty sand w/ gray mottles; 1" layer of		X		X
	slate 4" from bottom				
4-6 ft	3" of gray silty clay underlain by orange brown		X		X
	silty sand w/ gray clayey lenses, occasional gravel				
Comments: No ACM visible at surface					
Sample Location	N1400 E0341 - 11/7				
Collected By:	RR, JI				
0-2 ft	0-6" Rdsh brwn sand, gravel; 6-24" rdsh brn sand w/ silt,	X		X	
	gravel, small pieces of ACM (bottom 8")				
2-4 ft	Asphalt, grayish to brown silt		X		X
4-6 ft	Tan, to reddish brown gray silt, little clay		X		X
	EOB 6'				
Comments: ACM @ 2' for ~8"					

ALLIANCE Technologies Corporation

ABD 001 0635

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1400 E0419 B-1 - 11/7				
Collected By:	JI, RR				
0-2 ft	Tan to mottled silt, trace clay		X		X
	Dk brown to gray silt, trace clay				
2-4 ft	Reddish brown to mottled silt, little clay		X		X
4-6 ft	Reddish brown to tan silt, little clay		X		X
Comments:					
Sample Location	N1400 E0900 (Driveway area) - 11/12				
Collected By:	MD, RR				
0-2 ft	Asphalt, brick, concrete, brown silt, fill		X		X
2-4 ft	Gray brown silt, some clay, roots		X		X
4-6 ft	Mottled rust & gray clay & silt		X		X
	EOB 6'				
Comments: No visible surficial ACM					
Sample Location	N1400 E1000 - 11/7				
Collected By:	LC, FM				
0-6 in.	Medium brown silt, some clay		X		X
6-18 in.	Yellow-brown silt, little clay		X		X
18-36 in.	Yellow-brown silt, some clay, very firm		X		X
Comments: No surficial ACM					

ALLIANCE Technologies Corporation

ABD 001 0636

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1410 E0510 - 11/7				
Collected By:	LC, FM				
0-6 in.	Medium brown silt, little clay & gravel		X		X
6-18 in.	Red-brown silt, some clay, little gravel, roots & other		X		X
	organic matter				
18-36 in.	Refusal at 18" - gravel layer encountered; culvert located				
	in this area (along edge of driveway, adjacent to raised fill area)				
Comments:					
Sample Location	N1415 E0231 - 11/8				
Collected By:	LC, MD				
0-2 ft	Brown to black silt, trace clay		X		X
2-4 ft	Gray silt & clay grading downward into yellow-brown silty sand		X		X
	w/ red sand lenses & gray, clayey lenses. More clayey at bottom				
4-6 ft	Yellow-brown silty sand w/ red sand lenses & gray clay lenses;		X		X
	underlain by ~4" of red medium sand & silty sand				
Comments: No ACM visible at surface					
Sample Location	N14197 E0300 - 11/7				
Collected By:	RR, JI				
0-2 ft	0-6" Red brown silt w/ ACM	X		X	
	6-24" red fill, asphalt, rocks, silt				
2-4 ft	Dark gray silt, organics, some clay		X		X
4-6 ft	Light gray to blue silt, some fine sand		X		X
	EOB 6'				
Comments: ACM @ top 6"					

ALLIANCE Technologies Corporation

ABD 001 0637

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1420 E0450 - 11/6				
Collected By:	RR, LC				
0-6 in.	Brown silt, some gravel & clay		X		X
6-18 in.	Light to medium brown silt, some gravel, little clay		X		X
18-36 in.	Brown mottled silt, some clay, very dense		X		X
Comments:					
Sample Location	N1425 E0400 - 11/6				
Collected By:	RR, LC				
0-6 in.	Brown silt, some gravel & clay		X		X
6-18 in.	Lt brown silt, trace clay		X		X
18-36 in.	Medium light brown silt & clay, very dense		X		X
Comments:					
Sample Location	N1425 E250 - 11/8				
Collected By:	LC, MD				
0-2 ft	0-6" dk red-brown silt 2/ few ACM fragments; 6-24" ~3"	X		X	
	of red-brn silt underlain by 4" of ACM tile fragments	X		X	
2-4 ft	ACM tile fragments	X		X	
4-6 ft	ACM tile fragments mixed w/ dk gray-brown silty clay				
6-8 ft	Dk gray-brown silty sand w/ ~3" layer of ACM tiles	X		X	
	at top. Remainder very firm.				
Comments: No ACM visible at surface					

ALLIANCE Technologies Corporation

ABD 001 0638

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1440 E0300 - 11/6				
Collected By:	RR, LC				
0-6 in.	Reddish brown silt & clay, some gravel		X		X
6-18 in.	ACM tile & fragments, wet		X		X
18-36 in.	No recovery, ACM fragments continually get stuck in nose of sampler; no resistance from 30", * from 30-36"		X		X
Comments:					
Sample Location	N1445 E0695 - 11/7				
Collected By:	LC, FM				
0-6 in.	Medium brown silt, trace clay, overlain by woodchip fill		X		X
6-18 in.	Medium brown silt, trace clay, mixed in with woodchips		X		X
18-36 in.	Orange-brown silt, some clay, mixed in with woodchips, roots, other organic material		X		X
Comments:					
Sample Location	N1450 E0250 - 11/6				
Collected By:	RR, LC				
0-6 in.	Coarse sand sized material (possible ACM) some black silt		X		X
6-18 in.	Coarse sand, sized material (possibly ACM) with quartz fragments, some black silt		X		X
18-36 in.	Very organic, rich black silt		X		X
Comments:					

ALLIANCE Technologies Corporation

ABD 001 0639

ALLIANCE TECHNOLOGIES CORPORATION

Project No: 1-635-195-0-2PA2-0

Site ID: New Vernon Road

Sample Depth from-to	Soil Identification	Asbestos Present yes	Asbestos Present no	Analysis Required PLM	Analysis Required TEM
Sample Location	N1450 E0600 - 11/7				
Collected By:	LC, FM				
0-6 in.	Medium brown silt w/ orange mottles, little clay		X		X
6-18 in.	Orange-brown silt, little clay, roots & other org material		X		X
18-36 in.	Olive green-gray silt & clay underlain by orange-brown		X		X
	fine sand				

Comments:

ABD 001 0640

ALLIANCE Technologies Corporation

THIS PAGE INTENTIONALLY BLANK

APPENDIX D

GPR REPORT

ABD 001 0642

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 0644

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.

ABD 001 0645

HAGER-RICHTER
GEOSCIENCE, INC.

GPR Survey - Asbestos Dump
Morris County, New Jersey
File 90D46 November, 1990

TABLE OF CONTENTS

0.	Executive Summary	i
1.	Introduction	1
2.	Equipment and Procedures	2
	2.1 General	2
	2.1.1 Field Work	2
	2.1.2 Data Analysis	2
	2.1.3 Interpretation	3
	2.2 Site Specific	3
3.	Results and Discussion	5
	3.1 General	5
	3.2 White Bridge Road Site	5
	3.3 New Vernon Road Site	6
4.	Conclusions	8

LIST OF FIGURES

Figure 1. General location of the White Bridge Road and New Vernon Road Sites, Meyersville, Morris County, New Jersey.

Figure 2. Sketch Map of the White Bridge Road Site.

Figure 3. Sketch Map of the New Vernon Road Site

Figure 4. Sketch of the GPR system.

Figure 5. GPR Survey - White Bridge Road Site.

Figure 6. Portion of GPR Line N1150, White Bridge Road Site.

Figure 7. Portion of GPR Line N1200, White Bridge Road Site.

Figure 8. GPR Survey - New Vernon Road Site.

Figure 9. GPR Line N1250, New Vernon Road Site.

Figure 10. Portion of GPR Line N1300, New Vernon Road Site.

ABD 001 0646

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.

ABD 001 0647

GPR Survey - Asbestos Dump
Morris County, New Jersey
File 90D46 November, 1990

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 SIP-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

ABD 001 0648

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.

ABD 001 0649

GPR Survey - Asbestos Dump
Morris County, New Jersey
File 90D46 November, 1990

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.

ABD 001 0650

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

ARD 001 0651

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 i the general vicinity of a filled pond between the road and th front of a residence (Figure 3). The survey area is a flat groomed lawn, and there is no visible evidence of either th

ABD 001 0652

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.

ABD 001 0653

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.

ABD 001 0654

HAGER-RICHTER
GEOSCIENCE, INC.

GPR Survey - Asbestos Dump
Morris County, New Jersey
File 90D46 November, 1990

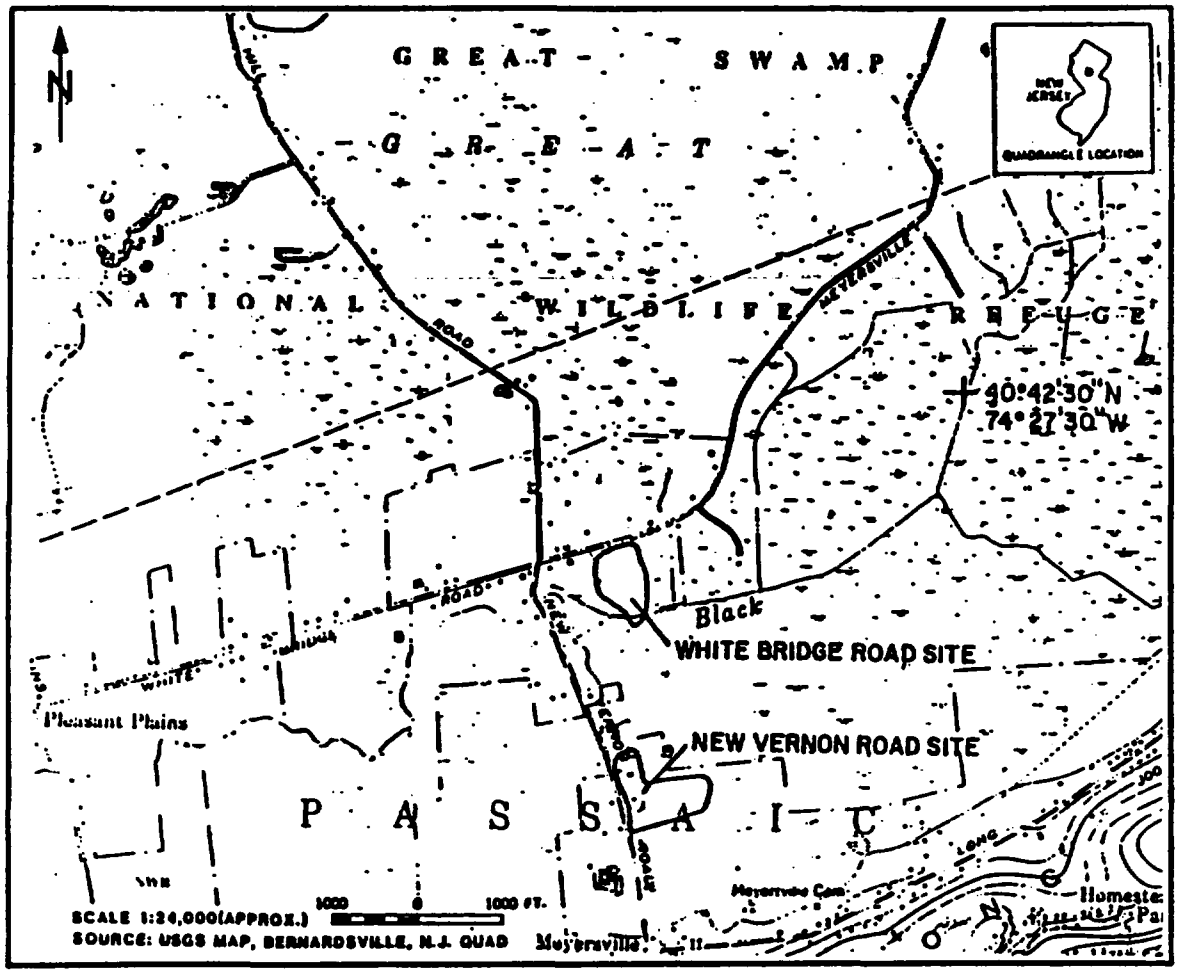


Figure 1. General location of the White Bridge Road and New Vernon Road Sites, Meyersville, Morris County, New Jersey.

ABD 001 0655

HAGER-RICHTER
GEOSCIENCE, INC.

GPR Survey - Asbestos Dump
Morris County, New Jersey
File 90D46 November, 1990

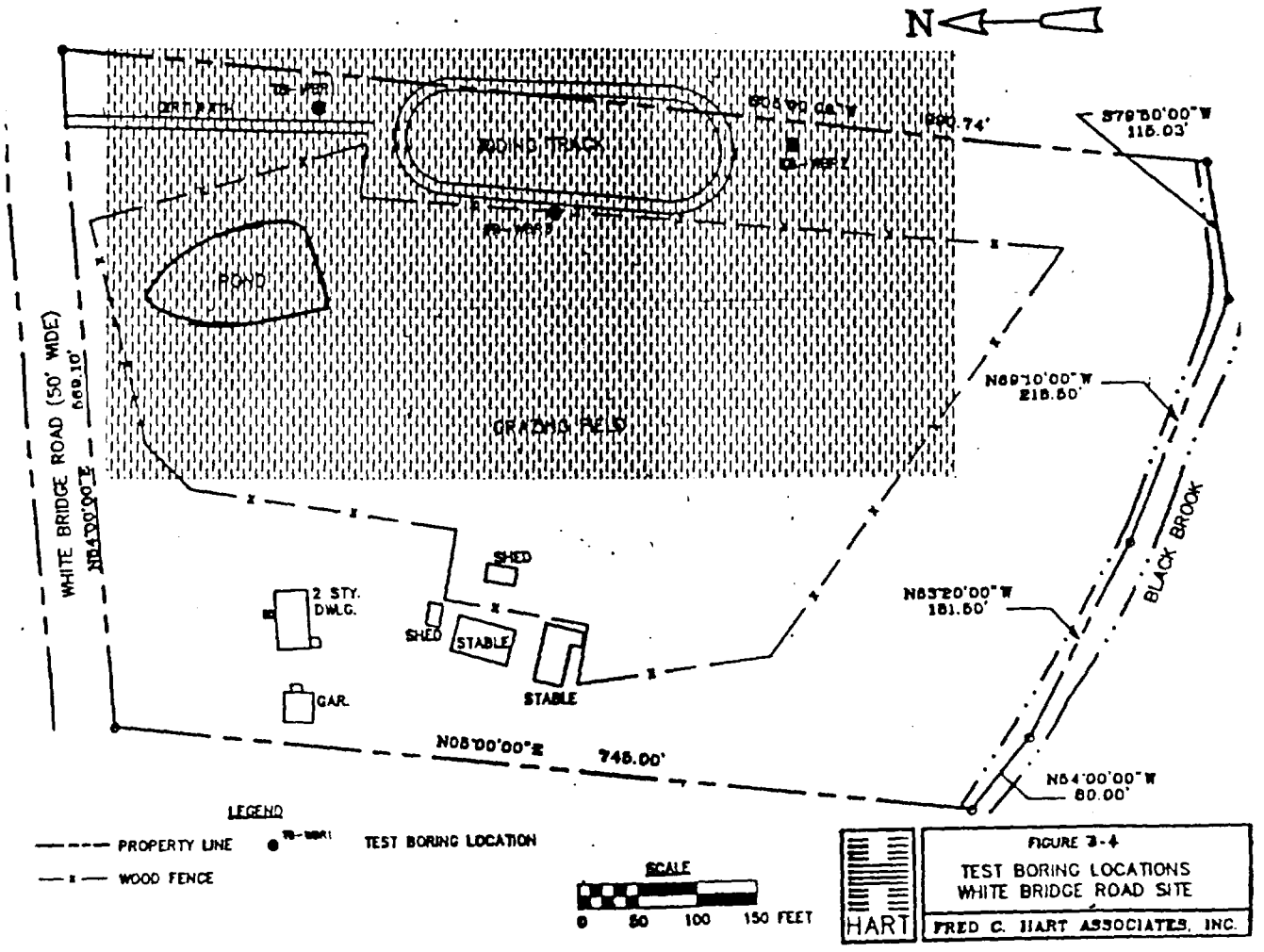


Figure 2. Sketch map of the White Bridge Road Site. Scale is approximate. The shaded area indicates the approximate location of the GPR survey grid. Map provided by Alliance Technologies Corporation.

ABD 001 0656

HAGER-RICHTER
GEOSCIENCE, INC.

GPR Survey - Asbestos Dump
Morris County, New Jersey
File 90D46 November, 1990

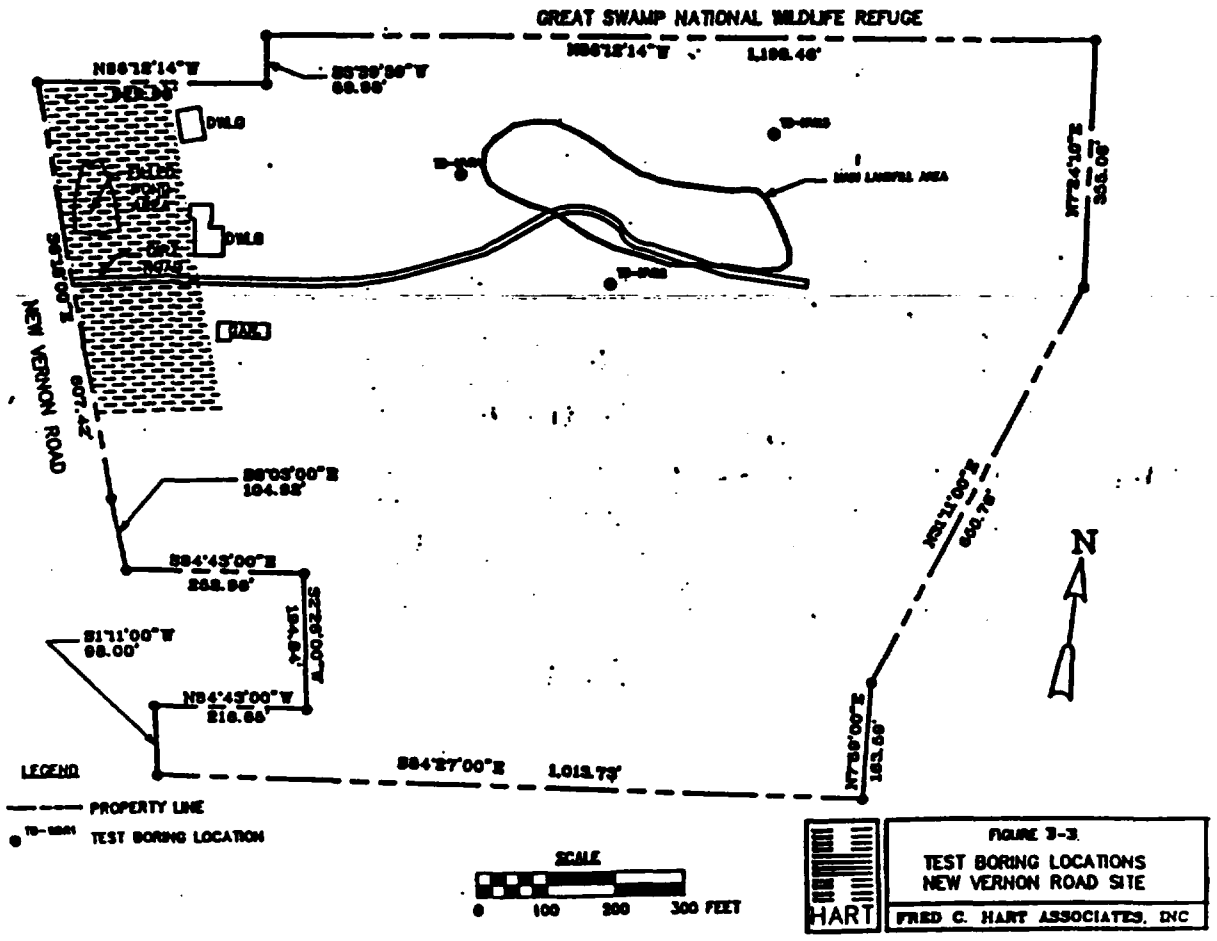


Figure 3. Sketch map of the New Vernon Road Site. Scale is approximate. The shaded area shows the approximate location of the GPR survey grid. A second larger area of asbestos fill inside the property was not included in the GPR survey because of active remediation work going on there. Map provided by Alliance Technologies Corporation.

ABD 001 0657

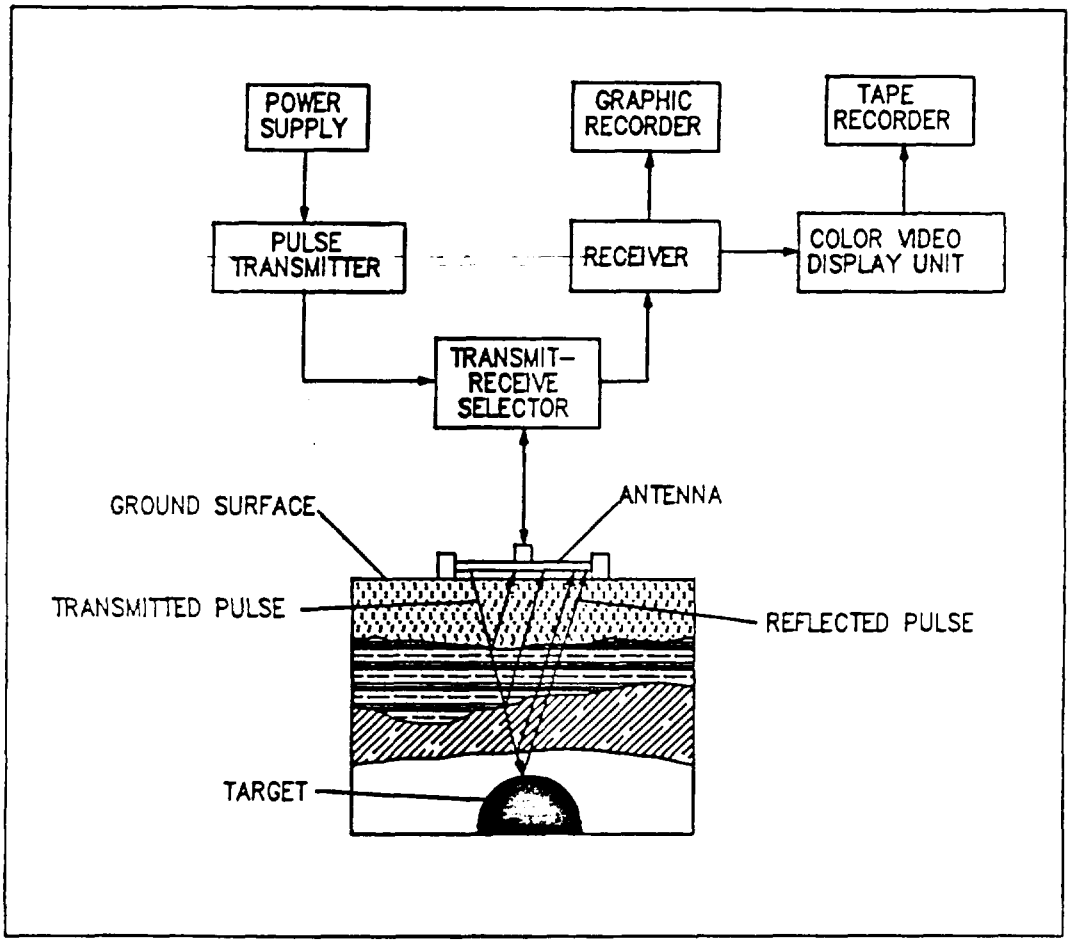


Figure 4. Sketch of the GPR System.

GPR Survey - Asbestos Dump
Morris County, New Jersey
File 90D46 November, 1990

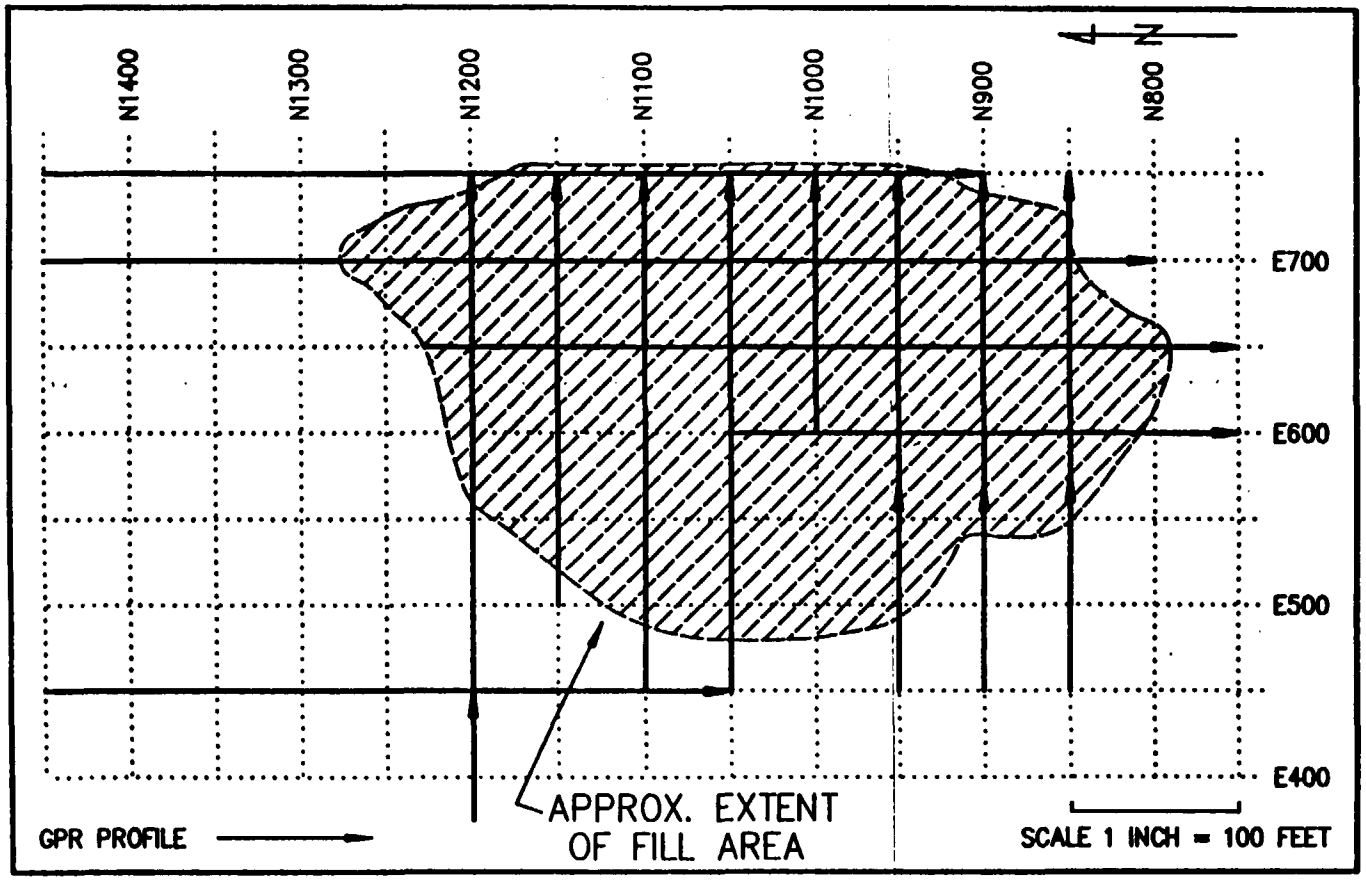
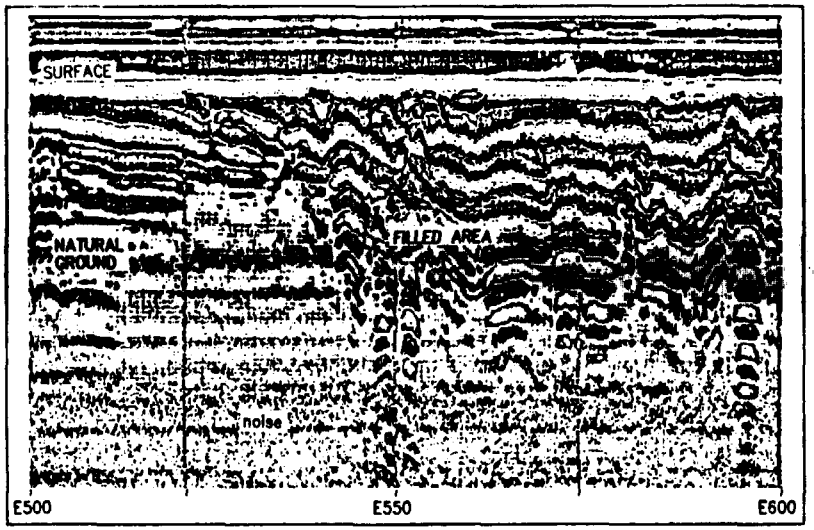
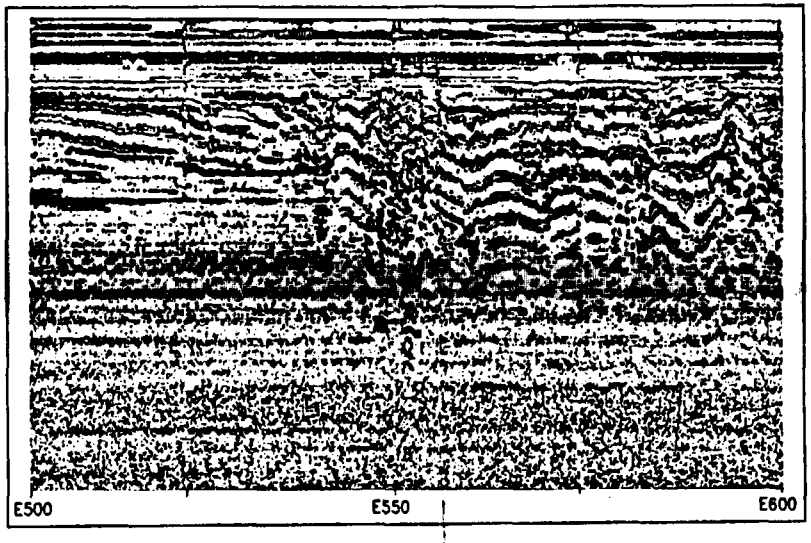


Figure 5. GPR Survey - White Bridge Road Site. The location of GPR survey profiles and interpreted lateral extent of fill are shown. The grid coordinates are those staked in the field by Alliance Technologies.

ABD 001 0659



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.

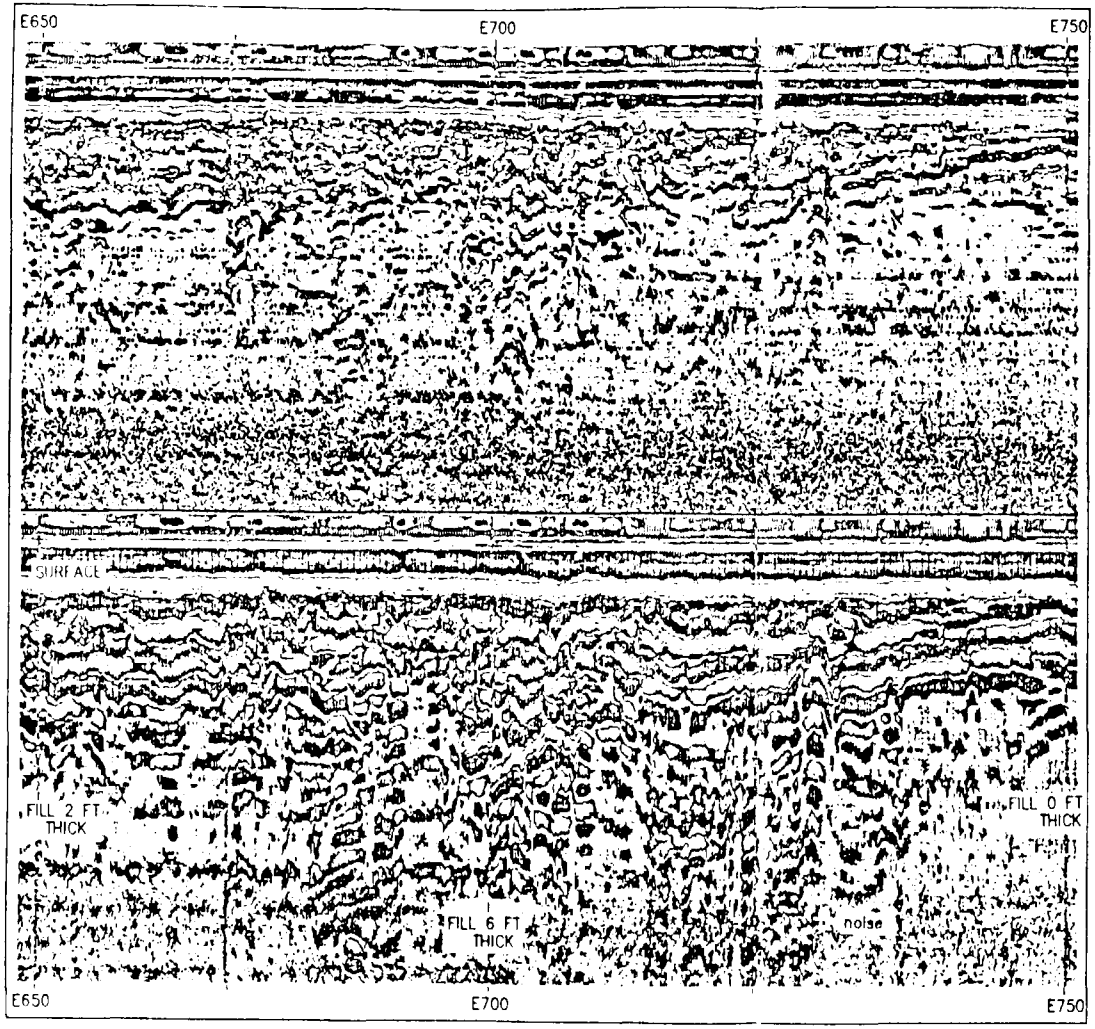
Horizontal axis is distance in feet. The horizontal axis is variable due to differing rates of movement along the surface.

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

ABD 001 0660



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

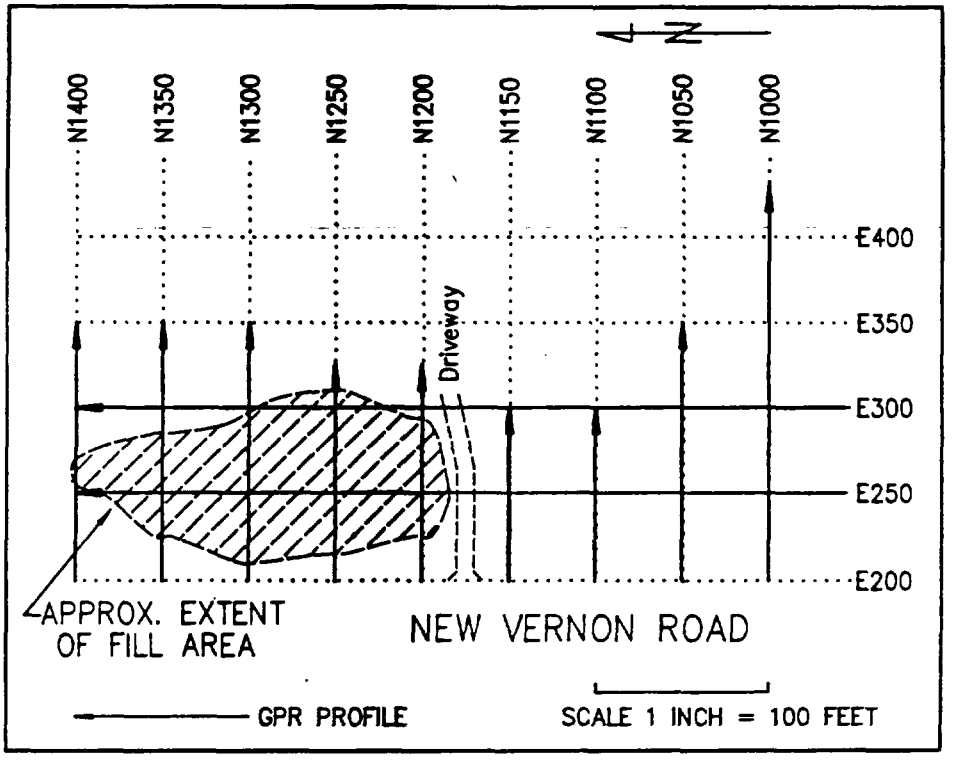
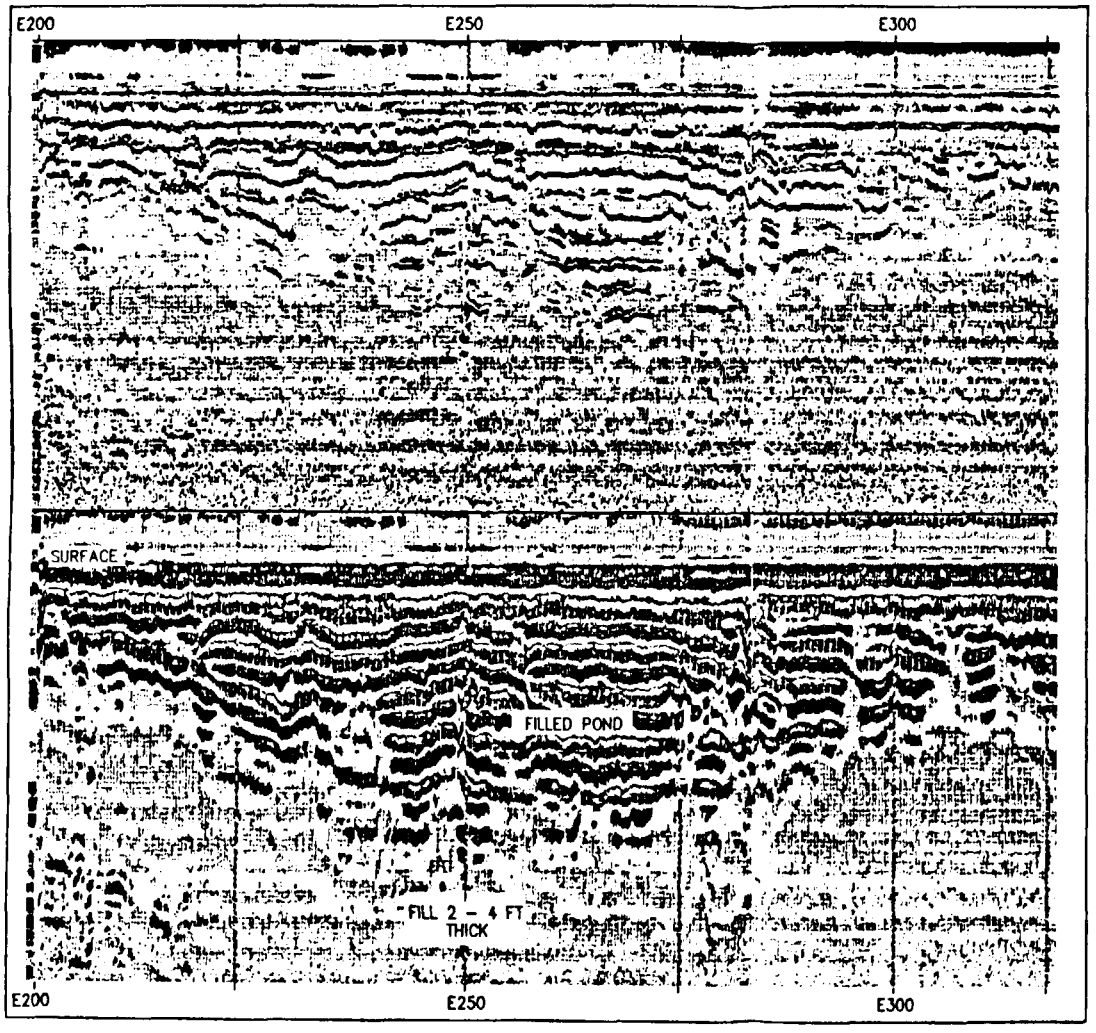


Figure 8. GPR survey - New Vernon Road Site. The location of profiles and interpreted lateral extent of fill are shown. The grid coordinates are those staked in the field by Alliance Technologies.

ABD 001 0662



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.

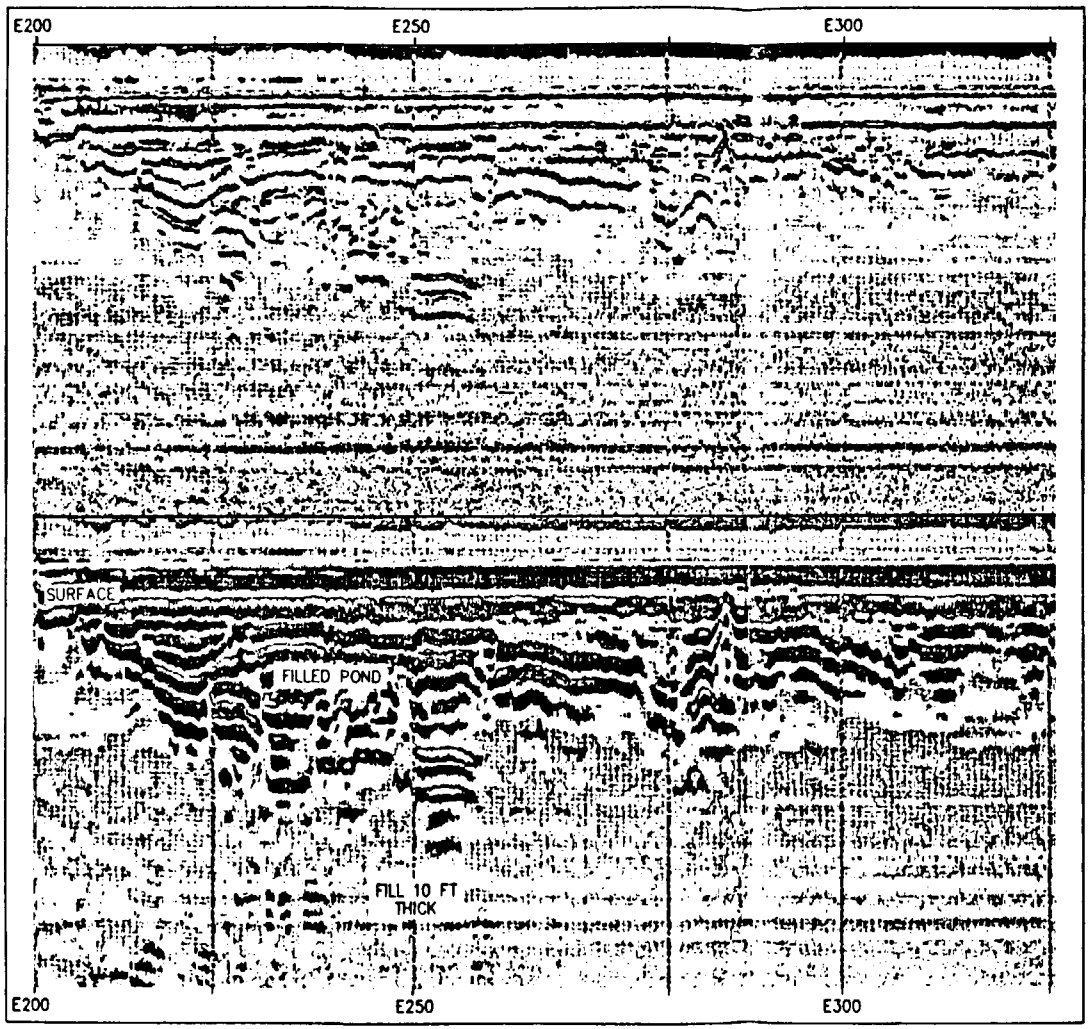
Horizontal axis is distance in feet. The horizontal axis is variable due to differing rates of movement along the surface.

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

ABD 001 0666

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

ABD 001 0667

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.

ABD 001 0669

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 Dr. Chemistry - Drew Killins
   Lab Pesticides
   Nikki Lucas

   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 grp.

   approves project plans, specific analyses, and final reports?

   yes/no... Ernie Checks

   maintains written and signed records of periodic inspections?

   yes/no... Ernie ~~do~~ 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/A

   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 0670

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.. getwater from ~~[illegible]~~ 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?

Frequence 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

Protocol for determining Asbestos content in Air, Bulk and Soil samples used by the USEPA Region 1, ESD Biology Section laboratory.

ABD 001 0671

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.

Specific Instrumentation:

Analytical Balance;

Has the balance been calibrated and checked within one year by a certified technician?

yes/no... Date last calibrated.. 11/16/90 Scientech 330

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 logbooke

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.

10/1/90

PCM

Is the calibration procedure documented?

yes/no... Computer Generated (Pat Sample number Generated)

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 0674

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 login

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 0675

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 signs 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 0676

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

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 bulk 9/7/90 PCM

9/7/90 PLM

ABD 001 0678

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 0679

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

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

EASTERN ANALYTICAL LABS, INC.
149 RANGEWAY ROAD
NORTH BILLERICA MA 01862

for the purpose of providing analytical services as specified in Form CAA

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 0681

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

ABD 001 0683

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 M.S.
Division Director, Laboratory Standards

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 0684

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. Dahey
For the National Institute of Standards and Technology

ABD 001 0685

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 0686

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 0687

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, tl 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 effc 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 0688

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

Kan - Potable Water

Wastewater Miscellaneous Analytes

Asbestos

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

Laboratory Name: Eastern Analytical Labs
Number & Street: 149 Rangeway Road
City,State,Zip : N. Billerica MA 01862

Director: Mr. Drew R Killius

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 0690

FORM LR 23.F

7205

PROPERTY OF

NEW YORK STATE DEPARTMENT OF HEALTH

DAVID AXELROD, M.D. *COMMISSIONER*

...u Research

Expires 12:01 AM April
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 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

ENVIRONMENTAL ANALYSES/AIR AND EMISSIONS

All approved subcategories and/or analytes are listed below:

cellaneous Air :
Asbestos
Fibers

Herbert W. Dickerman, M.D., Ph.D.
Director
Wadsworth Center for Laboratories and Research

ABD 001 0691

FORM LR 23.F

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

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 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

ENVIRONMENTAL ANALYSES/SOLID AND HAZARDOUS WASTE

All approved subcategories and/or analytes are listed below:

Miscellaneous :
Asbestos

Herbert W. Dickerman, M.D., Ph.D.
Director
Wadsworth Center for Laboratories and Research

ABD 001 0692

FORM LR 23.F

7214