


ATHENICA

ENVIRONMENTAL SERVICES INC.

Tel: (718) 764-7400

Fax: (718) 764-4005

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warner & Panzer Engineers, P. C.

LABORATORY ID #: T02-07-028

ANALYT. METHODOLOGY: AHERA

FILTER TYPE: M.C.E.

 AVERAGE G.O. AREA (mm²): 0.008643

PROJECT: 125 Cedar Street

DATE OF REPORT: 07/27/02

DATE OF ANALYSIS: 07/27/02

 EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (ft ³)	G.O.'s ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITV. (detect/cm ²)	TOTAL ASBESTOS AIR CONC. (mmc/mm ³)	TOTAL ASBESTOS FILTER CONC. (mmc/mm ³)	AIR CONC. FOR STRUCT. ANALYSIS (mmc/mm ³)	AIR CONC. FOR STRUCT. ANALYSIS (mmc/mm ³)	ASBEST. TYPE CHERYS	AMFIB. ASBEST. TYPE SPECIFY
DE01	T02-07-028-1084	By deane	1800	5	0.0432	0.0049	<0.0049	<23.14	NA	NA	NA	NA
DE02	T02-07-028-1085	IWA right side of work area	1800	5	0.0432	0.0049	<0.0049	<23.14	NA	NA	NA	NA
DE03	T02-07-028-1086	IWA middle of work area	1800	5	0.0432	0.0049	<0.0049	<23.14	NA	NA	NA	NA
DE04	T02-07-028-1087	IWA left side of work area	1800	5	0.0432	0.0049	<0.0049	<23.14	NA	NA	NA	NA
DE05	T02-07-028-1088	Exit to roof of PDNY	1800	5	0.0432	0.0049	<0.0049	<23.14	NA	NA	NA	NA

 ANALYST
E. Sienkri

 LABORATORY DIRECTOR
Spiro Douganis

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Air sampling cameras will be stored for sixty (60) days. AES Inc., should be notified within that time frame for a true duplicate analysis.
- If AES Inc. did not conduct the sampling the reported airborne concentration was derived based on information provided by the client. Under these circumstances, the air concentration data is supplied solely for the convenience of the client.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

07/27/2002 11:41 FAX 718 784 1085

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228 East 45th Street
New York, NY 10017
(212) 922-0877
Fax (212) 922-0530

WARREN & PANZER ENGINEERS, P.C.

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

PAGE 1 OF 1

P.O.

24 hr⁺/s 12 hr⁺/a 6 hr⁺/a 3 hr⁺/a Immediate ⁺/a

WSP FILE #: 1079-01-02

LABORATORY:

CONTACT: MICHAEL MOLAN

CLIENT: NYC DEP

ANALYSIS METHOD: PCM TEM

7400 AHMERA EPA LEVEL II

PROJECT: 125 Cedar St

TECHNICIAN: DIPO ELEMO

702-07-028

LOCATION: facade

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	STOP	ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTR (ppb/cc)
DE01	By Decon	3		03	03	0715	1715	600	1800	
DE02	Wt Right side of WA	3		03	03	0716	1716	600	1800	
DE03	- Middle	3		03	03	0717	1717	600	1800	
DE04	- Left side	3		03	03	0718	1718	600	1800	
DE05	Ent to roof of (dry)	3		03	03	0720	1720	600	1800	
DE06	field Blank	1								
DE07	-	1								
DE08	Sealed Blank	1								

COMMENTS:

SAMPLE BY: DIPO ELEMO	DATE: 7/26/02
SIGNATURE: DIPO	
RELEASED BY: DIPO ELEMO	DATE: 7/26/02
SIGNATURE: DIPO	
RECEIVED BY: G. Sioufen	DATE: 7/27/02
SIGNATURE: [Signature]	

SAMPLE TYPE CODES			
1 - Blank	5 - Final Clearance (inside)		
2 - Pre-Abatement	6 - Final Clearance (outside)		
3 - During Abatement	7 - Personal		
4 - During Glove Bag Removal	8 - Background		

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY



ATHENICA

ENVIRONMENTAL SERVICES INC.

Tel. (212) 784-7490

Fax. (212) 784-4095

CLIENT: Warren & Panzer Engineers, P.C.

LABORATORY ID #: T02-07-025

ANALYT. METHODOLOGY: AHERA.

FILTER TYPE: M.C.E.

AVERAGE G.O. AREA (mm²): 0.008643

PROJECT: 125 Cedar St. NYC

DATE OF REPORT: 07/26/02

DATE OF ANALYSIS: 07/26/02

EFFECTIVE FILTER AREA (mm²): 385

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (ft ³)	G.O.'s ANAL. YZED	AREA ANALY ZED (mm ²)	ANALYT. SENSITV. (struct./cm ³)	TOTAL ASBESTOS AIR CONC. (struct./cm ³)	TOTAL ASBESTOS FILTER CONC. (sr./mm ²)	AIR CONC. FOR STRUCT. 0.55 sr./cm ³	AIR CONC. FOR STRUCT. 525.0 µm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
DE 1	T02-07-025-	By Decon	1800	5	0.0432	0.0049	0.0049	46.28	0.0049	0.0049	Chrys.	NA
DE 2	T02-07-025-	IWA Right side of WA	1800	5	0.0432	0.0049	<0.0049	<23.14	NA	NA	NA	NA
DE 3	T02-07-025-	IWA Middle side of WA	1800	5	0.0432	0.0049	0.0049	23.14	0.0049	<0.0049	Chrys.	NA
DE 4	T02-07-025-	IWA Left side of WA	1800	5	0.0432	0.0049	<0.0049	<23.14	NA	NA	NA	NA
DE 5	T02-07-025-	Exit to Roof of (FDNY)	1800	5	0.0432	0.0049	0.0148	69.42	<0.0049	0.0148	Chrys.	NA

E. Dimitrakas

ANALYST
E. Dimitrakas

Spiro Dongaris

LABORATORY DIRECTOR
Spiro Dongaris

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

- All sampling cassettes will be stored for sixty (60) days. AES Inc., should be notified within this time frame for a true duplicate analysis.
- If AES Inc., did not conduct the sampling, the reported airborne concentration was derived based on information provided by the client. Under these circumstances, the air concentration data is supplied solely for the convenience of the client.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athena Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

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WARREN & PANZER ENGINEERS, P. C.

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

P.O.

24 hr⁺/a 12 hr⁺/a 6 hr⁺/a 3 hr⁺/a Immediate ⁺/a

CLIENT: NYC DEP

W&P FILE #: 1079-01-02

LABORATORY:

LOCATION: 135 W 25th St NYC

ANALYSIS METHOD:

PCM TEM

TEMP

TECHNICIAN: DIPO EL ENO

03573

03573

[illegible]

COMMENTS:

SAMPLE BY: Dipo SLEMO DATE: 7/25/02

SIGNATURE: Supot 7/25/02

RELEASED BY: DPO ELEM DATE: 1-27-80

SIGNATURE: Don G 7/25/02

RECEIVED BY: E. Sienkiewicz DATE: 2/26/2006

SIGNATURE: _____

SAMPLE TYPE CODES

Blank

2 - Pré-Abatement

B - During Abatement

4 - During Glove Bag Removal

S - Final Clearance (inside)

6 - Final Clearance (outside)

7. Personal

8 - Background

SEE REVERSE SIDE FOR ANALYSIS INFORMATION

07/25/2002 13:29 FAX 718 784 4085

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AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY**ATHENICA**

ENVIRONMENTAL SERVICES INC.

TEL (718) 784-7400
FAX (718) 784-4085CLIENT: Warren & Panzer Engineers, P.C.
LABORATORY ID #: T02-07-020
ANALYT. METHODOLOGY: AHERA
FILTER TYPE: M.C.E.
AVERAGE G.O. AREA (mm²): 0.006643PROJECT: NYC DEP, 125 Cedar Street
DATE OF REPORT: 07/25/02
DATE OF ANALYSIS: 07/25/02
EFFECTIVE FILTER AREA (mm²): 385**LABORATORY RESULTS**

CLIENT #	LAB. ID #	LOCATION	VOLUME (M)	G.O.'S ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIV. (pfuel/cm ²)	TOTAL ASBESTOS AIR CONC. (Mnue/cm ³)	TOTAL ASBESTOS FILTER CONC. (pg./mm ²)	AIR CONC. FOR STRUCT. 0.5-5.0µm	AIR CONC. FOR STRUCT. 5-20.0µm	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
DE01	T02-07-020-1044	Decon	1485	6	0.0519	0.0050	<0.0050	<19.28	NA	NA	NA	NA
DE02	T02-07-020-1045	TWA right side of work area	1485	6	0.0519	0.0050	<0.0050	<19.28	NA	NA	NA	NA
DE03	T02-07-020-1046	TWA middle of work area	1485	6	0.0519	0.0050	0.0050	19.28	<0.0050	0.0050	Chrys.	NA
DE04	T02-07-020-1047	TWA left side of work area	1485	6	0.0519	0.0050	<0.0050	<19.28	NA	NA	NA	NA
DE05	T02-07-020-1048	Exit to roof FDNY	1485	6	0.0519	0.0050	<0.0050	<19.28	<0.0050	0.0050	Chrys.	NA

ANALYST
F. DimantiasLABORATORY DIRECTOR
Spire Dargatzis

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 18955

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Air sampling cassettes will be stored for sixty (60) days. AES Inc., should be notified within this time frame for a true duplicate analysis.
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ATHENICA

ENVIRONMENTAL SERVICES INC.

Tel. (718) 784-7490

Fax. (718) 784-4085

CLIENT: Warren & Panzer Engineers, P.C.

LABORATORY ID #: T02-07-016

ANALYT. METHODOLOGY: AHERA

FILTER TYPE: M.C.E.

 AVERAGE C.O. AREA (mm²): 0.008643

PROJECT: NYC DEP, 125 Cedar St.

DATE OF REPORT: 07/24/02

DATE OF ANALYSIS: 07/24/02

 EFFECTIVE FILTER AREA (mm²): 385

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

LABORATORY RESULTS

CLIENT #	LAB. ID #	LOCATION	VOLUME (l)	G.O.S. ANAL. YIELD	AREA ANALYZED (mm ²)	ANALYT. SENSITV. (micrograms/cm ²)	TOTAL ASBESTOS AIR CONC. (micrograms/cm ³)	TOTAL ASBESTOS FILTER CONC. (micrograms/cm ²)	AIR CONC. FOR STRUCT. 0.5<S<5.0um	AIR CONC. FOR STRUCT. S>5.0um	ASBEST. TYPE CHRYS.	AMPHIB. ASBEST. TYPE SPECIFY
DE01	T02-07-016-1024	By Decon	1425	7	0.0605	0.0045	<0.0045	<16.53	NA	NA	NA	NA
DE02	T02-07-016-1025	TWA right side of WA	1425	7	0.0605	0.0045	<0.0045	<16.53	NA	NA	NA	NA
DE03	T02-07-016-1026	TWA middle side of WA	1425	7	0.0605	0.0045	<0.0045	<16.53	NA	NA	NA	NA
DE04	T02-07-016-1027	TWA Left side	1425	7	0.0605	0.0045	<0.0045	<16.53	NA	NA	NA	NA
DE05	T02-07-016-1028	Exit to roof of FDNY	1425	7	0.0605	0.0045	<0.0045	<16.53	NA	NA	NA	NA

 ANALYST
E. Dimitrakas

 LABORATORY DIRECTOR
Spiro Dongeris

LABORATORY CERTIFICATION INFORMATION

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WARREN & PANZER ENGINEERS, P. C.

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

24 hr⁺/a

12 hr⁺/a 6 hr⁺/a 3 hr⁺/h Immediate ⁺/a

PAGE 1 OF 1

P.O.

CLIENT: NYC DEP

PROJECT: 125 Cedar St

LOCATION: facade

W&P FILE #: 1079-01-02

LABORATORY:

ANALYSIS METHOD: PCM TEM
circle one 7400 AHERA EPA LEVEL II

TECHNICIAN: Dipo

CONTACT: MICHAEL NOLAN

702-07-016

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE		TIME ON	TIME OFF	TOTAL TIME	VOLUME (liters)	CONCENTRATION (Hb/100h)	ASB STRAIN
				START	STOP						
DE01	By Decom	3	-	05	05	1315	1800	285	1425	<16.53	<10000
DE02	11mt right side of WA	3	-	05	05	1316	1801	285	1425	<16.53	<10000
DE03	- middle -	3	-	05	05	1317	1802	285	1425	<16.53	<10000
DE04	- left side -	3	-	05	05	1318	1803	285	1425	<16.53	<10000
DE05	EXIT to roof of (any)	3	-	05	05	1320	1805	285	1425	<16.53	<10000
DE06	field Blank	1	-	-	-	-	-	-	-	-	-
DE07	-	1	-	-	-	-	-	-	-	-	-
DE08	Sealed Blank	1	-	-	-	-	-	-	-	-	-

COMMENTS:

SAMPLE BY: Dipo Elena	DATE: 7/23/02
SIGNATURE: Dipo	
RELEASED BY: Dipo Elena	DATE: 7/23/02
SIGNATURE: Dipo	
RECEIVED BY: E. Sigykai	DATE: 7/23/02
SIGNATURE: [Signature]	22:00

SAMPLE TYPE CODES	
1 - Blank	5 - Final Clearance (inside)
2 - Pre-Abatement	6 - Final Clearance (outside)
3 - During Abatement	7 - Personal
4 - During Glove Bag Removal	8 - Background

002



ATHENICA

ENVIRONMENTAL SERVICES INC.

Tel (718) 784-7480
Fax (718) 784-4085

CLIENT: Warren & Panzer Engineers, P.C.
LABORATORY ID #: T02-07-013
ANALYT. METHODOLOGY: AHERA
FILTER TYPE: M.C.E.
AVERAGE G.O. AREA (mm²): 0.008643

AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

PROJECT: NYC DEP, 125 Cedar Street
DATE OF REPORT: 07/25/02
DATE OF ANALYSIS: 07/24/02
EFFECTIVE FILTER AREA (mm²): 38.5

LABORATORY RESULTS

CLIENT #	LAB. #	LOCATION	VOLUME (l)	G.O.% ANALYZED	AREA ANALYZED (mm ²)	ANALYT. SENSITIVITY (air/cc/cm ²)	TOTAL ASBESTOS AIR CONC. (air/cc/cm ²)	TOTAL ASBESTOS FILTER CONC. (air/cc/cm ²)	AIR CONC. FOR STRUCT. 0.5<S<5µm	AIR CONC. FOR STRUCT. S>5.0µm	ASBEST. TYPE CHRYS.	AMF-MTD. ASBEST TYPE SPECIFY
DE01	T02-07-013-1009	By Decon	1575	6	0.0519	0.0047	0.0094	38.57	0.0094	<0.0047	Chrys.	NA
DE02	T02-07-013-1010	TWA right side of work area	1575	6	0.0519	0.0047	<0.0047	<19.28	NA	NA	NA	NA
DE03	T02-07-013-1011	TWA middle of work area	1575	6	0.0519	0.0047	0.0047	19.28	0.0047	<0.0047	Chrys.	NA
DE04	T02-07-013-1012	TWA left side of work area	1575	6	0.0519	0.0047	0.0047	19.28	<0.0047	0.0047	Chrys.	NA
DE05	T02-07-013-1013	Exit to roof of FDNY	1575	4	0.0346	0.0071	0.0354	114.63	0.0212	0.0141	Chrys.	NA

E. Dimitrakas

ANALYST
E. Dimitrakas

E. Spito

LABORATORY DIRECTOR
Spito Douglas

LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955

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