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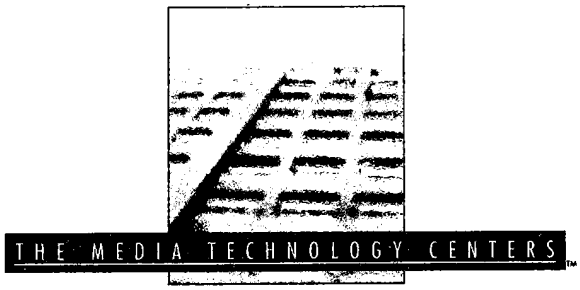

March 6, 2002

Mr. Bruce McDonald
Department of Environmental Control
59-17 Junction Blvd, 11th Floor
Corona, New York 11368-5107

Dear Mr. McDonald;

Enclosed with this letter is a report received from Advanced Environmental Corp. regarding the Air Monitoring samples taken at The Recovery physical Therapy Department of Cardio Fitness Center, Located in the basement of 75 Maiden Lane.

As per our conversation on March 6th, I will be forwarding the remaining Air Monitoring reports for 75 Maiden Lane, once they are made available to me.

Please do not hesitate to contact me if you have any further questions or concerns.

Very Truly Yours;

Jack Constantine
Property Manager

ENTERED

80/90 Maiden Lane, New York, NY 10038 VOX · 212.386.7712 FAX · 212.386.7716 WEBSITE · www.themediatc.com

NYC-WTC_000097351

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Advanced Environmental Corp.

February 21, 2002

Mr. Robert Spatz
Recovery Physical Therapy
79 Maiden Lane
New York, NY 10038

Re: **Air Monitoring, Basement Therapy Room, 79 Maiden Lane, New York, NY**

Dear Mr. Spatz:

On February 12, 2002, Advanced Environmental Corp. performed limited air monitoring at the above location. Samples were collected to document the asbestos, respirable dust, and priority pollutant metal concentrations of the ambient air from the basement therapy room at 79 Maiden Lane, New York, NY. Please be advised that this information is not intended to comply with OHSA permissible exposure monitoring requirements or requirements for clean air following asbestos abatement work. We reference the OSHA standards and abatement release criteria to merely give information for comparative reasons.

Asbestos

One (1) sample was collected and analyzed using the Transmission Electron Microscopy (TEM) method according to the EPA AHERA protocol. TEM with energy dispersive X-ray analysis is an analytical method that enables a fibers chemical composition to be identified, in this case asbestos. This fiber specific protocol is generally utilized to determine clean air following a "large" abatement project. TEM sample analysis detects filter loads (the number of structures detected per square millimeter of collection media surface) which, if less than or equal to EPA-AHERA release criteria of 70 structures per square millimeter (s/mm^2), determine whether or not the area is safe for re-occupancy.

The sample was collected on a 0.4-µm pore size, 25 mm mixed cellulose ester filter/support pad cassette, with a 10 mm electrostatic cowl. High volume air pumps were used to draw air through the filter media. Flow rates were measured with a calibrated rotameter, before and after sampling to ensure an accurate volumetric reading.

The TEM sample was collected from basement therapy room. The sample results can be found in Appendix A. Listed is the sample identification number, area analyzed, sample volume, structure counts, analytical sensitivity, and the concentration of asbestos. As a review of Appendix A shows, no asbestos structures were detected on any samples collected.

Respirable Dust (Particulates {insoluable} Not Otherwise Classified [PNOCs]

One Respirable Dust air sample was collected and analyzed according to the National Institute of Occupational Safety and Health (NIOSH) 500/600 method. The sample was collected on a 5-µm pore size pre-weighted PVC membrane filter using a 37 millimeter cassette. A low flow volume personal air pump was used to draw air through the filter media. Flow rates were measured with a Mini Buck calibrator model M-30, before and after sampling to ensure an accurate volumetric reading.

347 Fifth Avenue, Suite 404, New York, New York 10016 Phone 212-545-1855 Fax 212-545-0757

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In accordance with the sampling protocol a Gillian 10-mm nylon cyclone was utilized during sample collection. The concept of the cyclone is to separate respirable dust from particulate matter of 10 micron pore size or greater. With the air flow rate calibrated to 1.7 LPM, the cyclone inlet draws in the air and creates a spiral action or vortex, which separates the larger particles from the lighter ones. The cyclone's grit pot accepts the heavier particles while the lighter particles (less than 10 microns) are drawn up and impacted onto the filter cassette.

The sample data is presented as a ration of particulates measured (by weight) per volume of air collected. The sample results indicated a Total Respirable Dust (or PNOC) concentration of 0.0173 mg/m^3, which is well below the OSHA Permissible Exposure Limit (PEL) of 5 mg/m^3. These results can be found in Appendix B.

Metals

Sampling was performed to determine levels of priority pollutant metals in the ambient air. One (1) sample was collected and analyzed according to EPA 1987 Methods 200.7 and 245.1 for priority pollutant metals analysis. The sample was collected on a 0.8-µm pore size mixed cellulose ester filter using a 37 millimeter cassette. A low flow volume personal air pump weas used to draw air through the filter media. Flow rates were measured with a Mini Buck calibrator model M-30, before and after sampling to ensure an accurate volumetric reading. The sample was collected closed face in accordance with the sampling protocol.

The priority pollutant metals tested include Antimony, Arsenic, Beryllium, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium, Silver, Thallium, and Zinc. The sample results detected no airborne concentrations of priority pollutant metals with the exception of chromium. The sample result indicated a total chromium concentration of 0.619 $\mu g/m^3$, which is well below the OSHA Permissible Exposure Limit (PEL) of 500 µg water soluble chromium (III) compounds per cubic meter of workplace air (500 $\mu g/m^3$), 1,000 $\mu g/m^3$ for metallic chromium (0) and insoluble chromium compounds, and 52 $\mu g/m^3$ for chromium (VI) compounds for 8-hour work shifts and 40-hour work weeks.

These results can be found in Appendix C.

Summary

In conclusion, sample data obtained for asbestos, respirable fraction dusts, and priority pollutant metals, are well below applicable exposure standards for these substances. If you have any questions or need further clarification on air sampling methodology, please call me.

Sincerely,

Edward Namath

Edward Namath
Principal

1213.001

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Appendix A

Summary of TEM Air Sample Results

NYC-WTC_000097354

SciLab Job #: 202022107
Client Name: Advanced Environmental Corp.

Table I
Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (air)
1213.001; Recovery Physical Therapy; 79 Maiden Lane, New York, NY

SciLab Sample #	Client Sample #	Dilution Factor	Air Filtered (liters)	Area Analyzed (sq. mm.)	* Analytical Sensitivity (struc/cc air)	Asbestos Structures Detected (Microns) 0.5-5.0	>5.0	Total	Structure Density (struc/sq. mm.) >5.0	Total	Structure Concentration (struc/cc air) >5.0	Total	Type of Asbestos
01	021202-TEM01 Therapy Room		1251	.07	0.0044	0.0	0.0	0.0	<14.3	<14.3	<0.0044	<0.0044	NSD

* concentration represented by the detection of 1 structure
** not analyzed
NSD: No Asbestos Structures Detected

Reviewed By: P. Mucha ; Analyzed By: Paul Mucha Paul Mucha Date: 2/14/02

NVLAP#: 200546-0

TOTAL P.01

Air Monitoring Sheet and Chain of Custody

Client: Recovery Physical Therapy	Technician: Edward Namath	Site Address: 79 Maiden Lane, New York, NY	Date Submitted: 2/12/02
Dated Sampled: 2/12/02	Rotameter #:	Project#: 1213.001	Work Area: Basement Office	Turn Around Time: 5 Days
Project Manager: Ed Namath	Fax Results to: 212-545-0757	Page Results to:	Phone Results to:	Number of Samples:
Analytical Procedure: TEM - AHERA	Phase of Work (Circle): Background Pre's During Final Other			Billing #:

Sample Number		Sample Location	Flow L/min On	Flow L/min Off	Flow L/min Average	Time On	Time Off	Total Minutes	Volume Liters
021202-TEM01	IWA OWA	Therapy Room	9.20	9.20	9.20	9:44	1200	136	1251.2
	IWA OWA								
	IWA OWA								
	IWA OWA	202022107							
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								

Relinquished by (Signature): [signature]	Date: 2/12/02	Time:	Agent of: AEC	Received by (Signature): [signature]	Date: 2/12	Time: 1630	Agent of:
Relinquished by (Signature):	Date:	Time:	Agent of:	Received by (Signature):	Date:	Time:	Agent of:
Analyst Signature: [signature]	Date: 2/14/02	Time: 1354	Comments:				

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Appendix B

Summary of Respirable Dust Air Sample Results

NYC-WTC_000097357

NYC 9/11 Public Portal Document

SCILAB
FULL SERVICE ENVIRONMENTAL LABORATORIES

Eight School Street
Weymouth, MA 02189
781-337-9334

Laboratory Report

Report Date 2/18/02
Workorder No. 0202-00217

Customer: Advanced Environmental Corp.
347 Fifth Avenue
Suite 404
New York, NY 10016

Attention: Mr. Edward Namath

Subject: RECOVERY PHYSICAL THERAPY:DUST

Sample: 001 021202-01RD: THERAPY ROOM (238 L)
Date: 2/12/02
Matrix: AIR

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
Respirable Particulates	NIOSH 0500	0.0173	MG/M3		JJS	02/15/02	

To the best of my knowledge this report is true and accurate.

Authorized By:

John J. Sulkowski, Laboratory Director

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 CA:2050 ME:MA069 NJ: 59744

NYC-WTC_000097358

0202-217
DE 2/18/02

Air Monitoring Sheet and Chain of Custody

Page OF

Client: Recovery Physical Therapy	Technician: Edward Namath	Site Address: 79 Maiden Lane, New York, NY	Date Submitted: 2/12/02
Dated Sampled: 2/12/02	Rotameter #:	Project#: 1213.001	Work Area: Basement Office	Turn Around Time: 5 Days
Project Manager: Ed Namath	Fax Results to: 212-545-0757	Page Results to:	Phone Results to:	Number of Samples:
Analytical Procedure: Respirable Dust - NIOSH Method 600	Phase of Work: (Circle) Background Pre's During Finals Other			Billing #:

Sample Number	Sample Location		Flow L/min On	Flow L/min Off	Flow L/min Average	Time On	Time Off	Total Minutes	Volume Liters
0202-01RD	IWA OWA	Therapy Room	1.7	1.7	1.7	9:41	1201	140	238
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								

Relinquished by (Signature): Edward Namath	Date: 2/12/02	Time:	Agent of: AEC	Received by (Signature): [illegible]	Date: 2/12	Time: 1630	Agent of:
Relinquished by (Signature): [illegible]	Date: 2/12/02	Time: 1835	Agent of:	Received by (Signature): [illegible]	Date: 021302	Time: 1000	Agent of:
Analyst Signature:	Date:	Time:	Comments:				

Advanced Environmental Corp. 347 Fifth Avenue, Suite 404 New York, New York 10016 Phone 212 545-1855 Fax 212 545-0757

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Appendix C

Summary of Priority Pollutants Air Sample Results

NYC-WTC_000097360

NYC 9/11 Public Portal Document

SCILAB
FULL SERVICE ENVIRONMENTAL LABORATORIES

Eight School Street
Weymouth, MA 02189
781-337-9334

Laboratory Report

Report Date 2/20/02
Workorder No. 0202-00181

Customer: Advanced Environmental Corp.
347 Fifth Avenue
Suite 404
New York, NY 10016

Attention: Mr. Edward Namath

Subject: RECOVERY PHYSICAL THERAPY: Pb

Sample: 001 **021202-01PP: THERAPY ROOM 397.5 LITERS**
Date: 2/12/02
Matrix: AIR

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
Priority Pollutant Metals							
Arsenic	200.7, EPA 1987	ND	ug/m3	0.503	TDJ	02/20/02	
Antimony	200.7, EPA 1987	ND	ug/m3	0.503	TDJ	02/20/02	
Beryllium	200.7, EPA 1987	ND	ug/m3	0.0503	TDJ	02/20/02	
Cadmium	200.7, EPA 1987	ND	ug/m3	0.0553	TDJ	02/20/02	
Chromium	200.7, EPA 1987	0.619	ug/m3	0.302	TDJ	02/20/02	
Copper	200.7, EPA 1987	ND	ug/m3	0.252	TDJ	02/20/02	
Lead	200.7, EPA 1987	ND	ug/m3	0.503	TDJ	02/20/02	
Mercury	245.1, EPA 1983	ND	ug/M3	0.0503	CMC	02/15/02	
Nickel	200.7, EPA 1987	ND	ug/m3	2.01	TDJ	02/20/02	
Silver	200.7, EPA 1987	ND	ug/m3	0.252	TDJ	02/20/02	
Selenium	200.7, EPA 1987	ND	ug/m3	1.01	TDJ	02/20/02	
Thallium	200.7, EPA 1987	ND	ug/m3	2.01	TDJ	02/20/02	
Zinc	200.7, EPA 1987	ND	ug/m3	1.51	TDJ	02/20/02	

To the best of my knowledge this report is true and accurate.

Authorized By:

John J. Sulkowski, Laboratory Director

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 CA:2050 ME:MA069 NJ: 59744

NYC-WTC_000097361

0202-181 Due 2/20/02

Air Monitoring Sheet and Chain of Custody

Page OF

Client: Recovery Physical Therapy	Technician: Edward Namath	Site Address: 79 Maiden Lane, New York, NY	Date Submitted: 8/12/02
Date Sampled: 8/12/02	Rotameter #:	Project#: 1213.001	Work Area: Basement Office	Turn Around Time: 5 Days
Project Manager: Ed Namath	Fax Results to: 212-545-0757	Page Results to:	Phone Results to:	Number of Samples:
Analytical Procedure: Priority Pollutant Metals (13)	Phase of Work: (Circle) Background Pre's During Finals Other			Billing #:

Sample Number		Sample Location	Flow L/min On	Flow L/min Off	Flow/L min Average	Time On	Time Off	Total Minutes	Volume Liters
021202-01PP	IWA OWA	Therapy Room	2.65	2.66	2.65	9:39	1209	150	397.5
021202-01PP	IWA OWA	" "	2.65	2.65	2.65	9:39	1209	150	397.5
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								
	IWA OWA								

Relinquished by (Signature)	Date	Time	Agent of	Received by (Signature)	Date	Time	Agent of
Edward Namath	2/12/02		AEC	[illegible]	2/12	1630	
[illegible]	2/12/02	1835		[illegible]	021202	1000	

Analyst Signature	Date	Time	Comments

Advanced Environmental Corp. 347 Fifth Avenue, Suite 404 New York, New York 10016 Phone 212 545-1855 Fax 212 545-0757