CONSOLIDATED
ENGINEERING
SERVICES

320 23rd Street, South
Suite 100
Arlington, Virginia 22202
703-553-7500

August 6, 2002

Mr. Kurt Wagner
Cagley and Associates
6141 Executive Boulevard
Rockville, MD 20852

Re: Hazardous Materials Inspection
Webster School Shelter

Dear Mr. Wagner:

Consolidated Engineering Services, Inc. (CESI) was retained to perform a hazardous material inspection at the Webster School Shelter at 10th and H Streets, NW located in Washington, DC. This investigation was designed to identify hazardous materials that may be disturbed during planned removal of debris located within the collapsed floor area of the Webster School Shelter as part of a general hazardous materials survey.

Current District of Columbia regulations define lead-based paint as containing at least 0.5% lead by weight or 0.7 milligrams per square centimeter (mg/cm^2) by X-ray Fluorescence (XRF). In accordance with Environmental Protection Agency (EPA) and the District of Columbia regulations, asbestos-containing material is any material containing greater than one percent (>1%) asbestos.

Mrs. Naomi D. Jean, who has successfully completed the EPA Lead-Based Paint Inspector course and who is licensed in the District of Columbia as a Lead Inspector Technician performed the lead-based paint inspection. Mr. Steve Batshon, who has successfully completed the AHERA EPA Asbestos Inspector course, performed the asbestos inspection.

EXECUTIVE SUMMARY

CESI conducted a hazardous material investigation at the Webster School Shelter at 10th and H Streets, NW, Washington, DC, on July 16, 2002. The purpose of this inspection was to identify and sample suspect hazardous materials in an area parallel to a collapsed section of the Webster school building in order to determine the presence of hazardous materials in the collapsed section. Material such as lead, asbestos, Polychlorinated Biphenyl (PCB) light ballasts and crushed mercury light tubes was found in the section inspected. Therefore these materials are assumed to be among the debris of the collapsed section of the building.

Methodology: Lead Based Paint

Current District of Columbia regulations define lead-based paint as containing at least 0.5% lead by weight or greater that 0.7 milligrams per square centimeter (mg/cm^2) by X-ray Fluorescence (XRF). Mrs. Naomi D. Jean performed the inspection. Copies of her certifications can be found in Appendix A.

During the investigation, painted building components in representative areas; i.e. walls, doors, casings, frames, jambs, windows, window components etc. were screened with an XRF monitor to determine lead content. However, this inspection was not conducted according to Housing and Urban Development (HUD) inspection protocols, designed primarily for single and multi-family structures.

Painted surfaces were tested using the RMD LPA-1 Spectrum Analyzer according (serial number 1186, source date 01/02, Virginia radioactive materials license number VA-124-05) according to all manufacturer operating instructions. This instrument uses X-ray Fluorescence to determine the lead content of paint on a surface. Three operating modes were used during this inspection. Quick Mode is utilized to screen surfaces. In most cases, this mode can determine whether or not a painted surface is lead-based (with 95% accuracy). Time Corrected Mode is used for all instrument calibration tests. Standard Mode is used for resolving inconclusive Quick Mode Tests.

All readings of 0.7 mg/cm^2 in Quick Mode were considered inconclusive. As a result, these same locations were tested again using Standard Mode. Standard Mode tests on metal substrates showing results greater than or equal to 0.8 mg/cm^2 but less than or equal to 0.9 mg/cm^2 were also inconclusive.

Positive readings are defined as follows:

In Quick Mode: All results greater than 0.7 mg/cm^2
In Standard Mode: Results greater than 0.9 mg/cm^2 on metal substrates and greater than or equal to 0.7 mg/cm^2 on all other substrates.

Throughout this report, sample and component locations are identified using wall designations A, B, C, and D. The "A" wall corresponds to the street address side facing 10th Street. Walls "B", "C", and "D" are assigned to the remaining three sides in a clockwise direction. Locations can be found on the XRF Lead Paint Survey Form in Appendix B.

Paint Chip sampling:

Paint chip samples are collected in all instances where inconclusive results could not be resolved by XRF screening, and from surfaces that could not be tested using the XRF due to surface curvature.

Findings: Lead Based Paint

Based on the results of the XRF inspection, lead-based paint is present on the following components:

- Wood, blue-green, doors, all floors, fair condition
- Wood, blue-green, door components i.e. jambs, casings, all floors, poor condition
- Wood, blue-green, windows, all floors, poor condition
- Wood, blue-green, window components i.e., sills, casings, all floors, poor condition
- Brick, green, walls, basement, poor condition

Paint chip samples were collected from the radiators due to curvature of substrate. However, no lead-based paint was identified.

Results of the XRF inspection and paint chip sampling can be found Appendix B.

Recommendations:

1. Waste from this project that contains LBP should be segregated during the project in a secured area away from children and animals. However, prior to disposal, additional sampling using the toxicity characteristic leachate procedure (TCLP) can be used to determine whether the debris is to be treated as demolition or hazardous LBP waste. Otherwise, all waste is assumed to be hazardous LBP.

2. Workers who will disturb surfaces coated with lead-based paint should have appropriate training and personal protective equipment. All work must be completed in full compliance with the OSHA Lead in Construction regulations (29 CFR 1926.62) and all relevant District of Columbia regulations.

3. To minimize the potential for exposure to lead, the following work practices should be avoided when disturbing LBP:

   Do **NOT** use open flame burning or torching,
   Do **NOT** use machine sanding or grinding without a HEPA vacuum exhaust,
   Do **NOT** use uncontained hydro-blasting or high-pressure washing,
   Do **NOT** use abrasive blasting without HEPA vacuum exhaust,
   Do **NOT** use heat guns operating above 1,100°F,
   Do **NOT** use dry scraping,
   Do **NOT** use dry sanding,
   Do **NOT** use methylene chloride-based chemical strippers, and
   Do **NOT** conduct uncontrolled demolition of walls or other LBP-coated components with sledgehammers or similar tools.

Methodology: Asbestos Inspection

The purpose of collecting bulk samples was to determine through laboratory analysis, if suspect-building materials observed during the inspection contain asbestos. Mr. Steve Batshon, who has successfully completed the AHERA EPA Asbestos Inspector Course, and is licensed in the District of Columbia as an Asbestos Inspector, performed the inspection. Copies of his certifications can be found in Appendix A. In accordance with Environmental Protection Agency (EPA) and District of Columbia regulations, materials were classified as asbestos containing if asbestos in an amount greater than one-percent (1%) by weight was detected.

A total of 18 bulk samples were collected during this inspection. These samples were submitted to Scientific Laboratories, Inc. of Midlothian, Virginia, for analysis by layer using polarized light microscopy (PLM). Scientific Laboratories, Inc., is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP) administered by the National Institute of Standards and Technology (NIST). Sample locations and lab analytical results of the asbestos inspection are enclosed.

Findings: Asbestos

The following materials were found to be asbestos containing:

- Vinyl baseboard (all floors)
- Drywall and drywall joint compound (all floors)
- Vinyl floor tile and mastic (all floors)

Recommendations:

1. Asbestos-containing materials identified during this inspection will be disturbed by the planned removal of debris from the area where the collapsed section of floors is. This asbestos-containing material must be contained and removed as hazardous material by a licensed asbestos contractor.

In addition to the above mentioned lead-based paint and asbestos-containing materials, there were PCB light ballasts and crushed mercury light tubes throughout the debris within the inspected area. CESI recommends that this material is treated as hazardous waste and disposed of at a licensed hazardous waste disposal facility.

Should you have any questions or require additional information, please do not hesitate to contact me at (703) 399-3485.

Sincerely,

A. Steve Batshon
Environmental Consultant

ASB/amf

Enclosures

APPENDIX A

INSPECTOR'S CERTIFICATIONS

AEROSOL MONITORING & ANALYSIS, INC.

THIS IS TO CERTIFY THAT

STEVE BATSHON

HAS MET THE ATTENDANCE REQUIREMENTS AND SUCCESSFULLY COMPLETED
THE COURSE ENTITLED

3-DAY EPA AHERA INITIAL INSPECTOR TRAINING

For Accreditation Under TSCA Title II

08/20/2001 to 08/22/2001

COURSE DATE

08/22/2002 08/22/2001

EXPIRATION DATE *EXAM DATE*

E. RUSH BARNETT E. Rush Barnett

COURSE DIRECTOR

MD-056006

CERTIFICATE NO.

1331 Ashton Road P.O. Box 646 Hanover, MD 21076 410-684-3327 FAX: 410-684-3724

AEROSOL MONITORING & ANALYSIS, INC.

THIS IS TO CERTIFY THAT

NAOMI D. HYDE

5131 7TH. ST., N.W.
WASHINGTON, DC 20011

HAS MET THE ATTENDANCE REQUIREMENTS AND SUCCESSFULLY COMPLETED
THE COURSE ENTITLED

LEAD INSPECTOR TECHNICIAN (24 HOUR)

(This training meets certification requirements for Maryland, Virginia and District of Columbia.)

11/06/2000 to 11/08/2000	11/08/2002	11/08/2003
COURSE DATE	*MD/DC EXPIRATION DATE*	*VA EXPIRATION DATE*
E. RUSH BARNETT	19605	11/08/2000
	CERTIFICATE NO.	*EXAM DATE*

DC Lead Training Provider Accreditation No. 01-05

O. Box 646, Hanover, MD 21076 410-684-3327 FAX: 410-684-3724

GOVERNMENT OF THE DISTRICT OF COLUMBIA
Department of Health, Environmental Health Administration
Bureau of Hazardous Material and Toxic Substances
Lead Poisoning Prevention Division
STATE LEAD CERTIFICATION

NAME: Naomi D Jean
DOB: 01/17/77
CLASS CODE: I
CARD NO: DC01-1455
EXP. DATE: 8/23/02

WANG A. WALKER M.D. DIRECTOR AND

APPENDIX B

XRF SEQUENTIAL REPORT
&
PAINT CHIP ANALYSIS

SEQUENTIAL REPORT OF LEAD PAINT INSPECTION FOR:

Inspection Date: 07/16/02
Report Date: 07/31/02
Abatement Level: 0.7
Report No. 07-16-02-1049
Total Readings: 59
Job Started: 07/16/02 1049

Webster School
10TH & H St. NW
Washington, DC

Read No	Rm	Room Name	Wall	Structure	Location	Member	Paint Cond	Substrate	Paint Color	Lead (mg/cm2)	Mode
1		CALIBRATION		RMD Block						1.8	TC
2		CALIBRATION		RMD Block						2.0	TC
3		CALIBRATION		RMD Block						1.9	TC
								Average =		1.9	
4		CALIBRATION		Bare Wood						-0.1	TC
5		CALIBRATION		Bare Wood						-0.1	TC
6		CALIBRATION		Bare Wood						0.0	TC
								Average =		-0.1	
		2nd Floor									
7	000	Classroom 6	C	Wall Board	M Cntr		I	Wood	Green	-0.1	Q
8	000	Classroom 6	C	Wall	M Cntr		F	Wood	Green	-0.1	Q
9	000	Classroom 6	C	Wall	M Cntr		P	Plaster	Green	-0.2	Q
10	000	Classroom 6	C	Door Casing	M Cntr		F	Wood	Green	>9.9	Q
11	000	Classroom 6	C	Door	M Cntr		F	Wood	Green	>9.9	Q
12	000	Classroom 6	C	Door Jamb	M Cntr		F	Wood	Green	>9.9	Q
13	000	Classroom 6	C	Wall Casing	M Cntr		I	Wood	Green	-0.1	Q
14	000	Classroom 6	D	Window Casing	M Cntr		P	Wood	Green	>9.9	Q
15	000	Classroom 6	D	Window Sash	M Cntr		P	Wood	Green	>9.9	Q
16	000	Classroom 6	A	Radiator	M Cntr		P	Metal	Green	0.1	Q
17	000	Classroom 6	A	Wall	M Cntr		P	Plaster	Green	0.1	Q
18	000	Classroom 6		Door Casing	M Cntr		I	Wood	Green	-0.1	Q
19	000	Classroom 6	B	Wall	M Cntr		I	Drywall	Green	0.0	Q
20	000	Classroom 6	D	Radiator	M Cntr		P	Metal	Green	-0.1	Q
21	000	Classroom 6	A	Piping	M Cntr		I	Metal	Green	0.2	Q
22	000	Classroom 6	A	Window Frame	M Cntr		P	Wood	Green	>9.9	Q
		3rd Floor									
23	000	Classroom 10	C	Door Casing	M Cntr		I	Wood	Green	>9.9	Q
24	000	Classroom 10	C	Door Casing	M Right		I	Wood	Green	>9.9	Q
25	000	Classroom 10	A	Wall	M Cntr		I	Plaster	Green	0.3	Q
26	000	Classroom 10	A	Wall	M Cntr		I	Wood	Green	0.0	Q
27	000	Classroom 10	A	Window	U Cntr		I	Wood	Green	>9.9	Q
28	000	Classroom 10	A	Window Casing	U Cntr		I	Wood	Green	>9.9	Q
29	000	Classroom 10	A	Window Frame	U Cntr		I	Wood	Green	>9.9	Q
30	000	Classroom 10	D	Wall	M Cntr		I	Plaster	Green	0.2	Q
31	000	Classroom 10	D	Wall	U Cntr		I	Plaster	Green	0.1	Q

Read No	Rm	Room Name	Wall	Structure	Location	Member	Paint Cond	Substrate	Paint Color	Lead (mg/cm2)	Mode
		3rd Floor									
32		Classroom 10	D	Radiator	U Cntr		P	Metal	Green	0.1	Q
		1st Floor									
33		Classroom 2	C	Door	U Cntr		P	Wood	Green	0.1	Q
34		Classroom 2	C	Door Casing	U Cntr		P	Wood	Green	0.1	Q
35		Classroom 2	C	Door Jamb	U Cntr		P	Wood	Green	>9.9	Q
36		Classroom 2	C	Door Jamb	U Cntr		P	Wood	Green	>9.9	Q
37		Classroom 2	B	Door	U Cntr		F	Metal	Green	-0.1	Q
38		Classroom 2	B	Wall	U Cntr		P	Plaster	Green	0.0	Q
39		Classroom 2	A	Wall	U Cntr		F	Drywall	Green	0.1	Q
40		Classroom 2	C	Wall	U Cntr		F	Wood	Green	-0.1	Q
41		Classroom 2	D	Window casing	U Cntr		I	Wood	Green	>9.9	Q
42		Classroom 2	D	Window casing	U Cntr		I	Wood	Green	>9.9	Q
43		Classroom 2	C	Wall	U Cntr		I	Plaster	Green	-0.2	Q
44		Classroom 2	D	Radiator	U Cntr		I	Wood	Green	-0.1	Q
		Basement									
45		Basement	D	Wall	U Cntr		P	Brick	Green	0.2	Q
46		Basement	D	Wall	U Cntr		P	Brick	Green	0.7	Q
47		Basement	D	Wall	U Cntr		P	Brick	Green	1.2	S
48		Basement	B	Wall	U Cntr		P	Brick	Green	0.2	Q
49		Basement		Floor	U Cntr		P	Concrete	Green	-0.1	Q
50		Basement	A	Radiator	U Cntr		F	Metal	Green	0.2	Q
51		Basement	A	Window	U Cntr		P	Wood	Green	>9.9	Q
52		Basement	B	Wall	U Cntr		P	Brick	Green	0.3	Q
53		Basement		Ceiling	U Cntr		P	Drywall	Green	-0.1	
54		Calibration		RMB Block						1.9	TC
55		Calibration		RMB Block						2.0	TC
56		Calibration		RMB Block						1.9	TC
								Average		1.9	
57		Calibration		Bare Wood						-0.1	TC
58		Calibration		Bare Wood						-0.1	TC
59		Calibration		Bare Wood						0.0	TC
								Average		0.0	

SCHNEIDER LABORATORIES

INCORPORATED
2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-5778 • 800-785-LABS (5227) • (FAX) 804-353-6928
Excellence in Service and Technology
AIHA/ELLAP 100527, NVLAP 10150-0, NYELAP/NELAC 11413, CAELAP 2078, NC 593, SC 93003

LABORATORY ANALYSIS REPORT

Lead Analysis by EPA 3050B/7420 Method

ACCOUNT #:	153-02-4639	**DATE COLLECTED:**	
CLIENT:	S.C.I. LAB	**DATE RECEIVED:**	7/16/2002
ADDRESS:	13635 GENITO ROAD MIDLOTHIAN, VA 23112	**DATE ANALYZED:**	7/19/2002
PO NO.:	102.07.1508	**DATE REPORTED:**	7/19/2002
PROJECT NAME:			
PROJECT NO.:			
JOB LOCATION:	Webster School	**SAMPLE TYPE:**	PAINT

SLI Sample No.	Client Sample No.	Sample Description	Sample Wt (mg)	Dilution Factor	Total Lead (µg)*	Lead Conc (% by wt)
2341978	NDJ071602-Pb1	Room 2	587	2	1,203.3	0.205
	QC - 22799	10.0 ppm Calibration Std			1,004.1	100.4%
	QC - 22799	200 µg spike			199.3	99.6%
	QC - 22799	5.0 ppm Calibration Std			503.2	100.6%
	QC - 22799	Blank			< 20.0	
	QC - 22799	NIST 2710 Standard			563.1	101.6%

ANALYST: DEREK L. JACKSON
Total no. of pages in report = 1

REVIEWED BY Amy J. Colosimo, Analyst

*Minimum Reporting Limit: 20 µg Total Lead. For work involving HUD, child-occupied building and other residential units, the Federal Lead Standard is 0.5% lead by weight [5000 ppm]. The requirements of the OSHA Lead in Construction Standard, 29 CFR 1926.62, are invoked if any lead is present in the sample: there is no minimum concentration. Lead-free paint is defined as <0.06% by weight (CPSC). *For true values, assume two (2) significant figures. All testing is performed in strict accordance with Schneider Laboratories, Inc. protocol.*

APPENDIX C

ASBESTOS SURVEY FIELD SHEETS
AND
ANALYTICAL RESULTS

SCILAB

SCIENTIFIC LABORATORIES, INC.
13635 GENITO ROAD
MIDLOTHIAN, VA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

AAS Environmental, Inc.
Attn: Dave Johnson
320 23rd Street South
Suite 100
Arlington, VA 22202

Date Received 07/18/2002 **SciLab Job No.** 102071507
Date Examined 07/21/2002 **P.O. #** 700-1412
Page 1 **of** 8

RE:

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
071602-01	102071507-01T1	*Yes*	3 %

Location: Classroom #6

Description: Green, Heterogeneous, Floor Tile
Asbestos Types: Chrysotile 3. %
Other Material: Non-fibrous 97. %

071602-01	102071507-01M1	*Yes*	<1.%

Location: Classroom #6

Description: Black, Heterogeneous, Mastic
Asbestos Types: Chrysotile Trace
Other Material: Cellulose 15. %, Non-fibrous 85. %

071602-02	102071507-02.1	*No*	NAD

Location: Classroom #6

Description: White/Green, Homogeneous, Skim Coat
Asbestos Types:
Other Material: Non-fibrous 100. %

071602-02	102071507-02.2	*No*	NAD

Location: Classroom #6

Description: Grey, Homogeneous, Cementitious, Base Coat
Asbestos Types:
Other Material: Cellulose 2. %, Non-fibrous 98. %

071602-03	102071507-03	*No*	NAD

Location: Classroom #6

Description: Off-White/Brown, Heterogeneous, Bulk Material
Asbestos Types:
Other Material: Cellulose 15. %, Non-fibrous 85. %

SCILAB

SCIENTIFIC LABORATORIES, INC.
13635 GENITO ROAD
MIDLOTHIAN, VA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

AAS Environmental, Inc.
Attn: Dave Johnson
320 23rd Street South
Suite 100
Arlington, VA 22202

Date Received 07/18/2002 **SciLab Job No.** 102071507
Date Examined 07/21/2002 **P.O. #** 700-1412
Page 2 of 8

RE:

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
071602-04	102071507-04T1	*Yes*	2 %

Location: Classroom #6 Outside of Door

Description: Green, Homogeneous, Floor Tile
Asbestos Types: Chrysotile 2. %
Other Material: Non-fibrous 98. %

071602-04	102071507-04M1	*Yes*	<1.% [1]

Location: Classroom #6 Outside of Door

Description: Black, Heterogeneous, Mastic
Asbestos Types: Chrysotile Trace
Other Material: Cellulose 7. %, Non-fibrous 93. %

071602-05	102071507-05T1	*No*	NAD

Location: Classroom #6

Description: Tan, Homogeneous, Floor Tile
Asbestos Types:
Other Material: Cellulose Trace, Non-fibrous 100. %

071602-05	102071507-05M1	*No*	NAD

Location: Classroom #6

Description: Black, Homogeneous, Mastic
Asbestos Types:
Other Material: Cellulose 2. %, Fibrous glass Trace, Non-fibrous 98. %

071602-06	102071507-06.1	*No*	NAD

Location: Classroom #6

Description: White, Homogeneous. Skim Coat
Asbestos Types:
Other Material: Non-fibrous 100. %

SCILAB

SCIENTIFIC LABORATORIES, INC.
13635 GENITO ROAD
MIDLOTHIAN, VA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

AAS Environmental, Inc.
Attn: Dave Johnson
320 23rd Street South
Suite 100
Arlington, VA 22202

Date Received 07/18/2002 **SciLab Job No.** 102071507
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RE:

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
071602-09	102071507-09.1	*Yes*	3 %
Location: Classroom #10			
Description: White, Homogeneous, Joint Compound			
Asbestos Types: Chrysotile 3. %			
Other Material: Non-fibrous 97. %			
071602-09	102071507-09.2	*No*	NAD
Location: Classroom #10			
Description: Brown/White, Heterogeneous, Drywall			
Asbestos Types:			
Other Material: Cellulose 15. %, Non-fibrous 85. %			
071602-10	102071507-10T1	*Yes*	3 %
Location: Classroom #10			
Description: Tan, Homogeneous, Floor Tile			
Asbestos Types: Chrysotile 3. %			
Other Material: Non-fibrous 97. %			
071602-10	102071507-10M1	*Yes*	<1.% [1]
Location: Classroom #10			
Description: Black, Homogeneous, Mastic			
Asbestos Types: Chrysotile Trace			
Other Material: Cellulose 3. %. Non-fibrous 97. %			
071602-11	102071507-11T1	*Yes*	3 %
Location: Classroom #10			
Description: Black, Heterogeneous, Floor Tile			
Asbestos Types: Chrysotile 3. %			
Other Material: Non-fibrous 97. %			

SCILAB

SCIENTIFIC LABORATORIES, INC.
13635 GENITO ROAD
MIDLOTHIAN, VA 23112
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PLM Bulk Asbestos Report

AAS Environmental, Inc.
Attn: Dave Johnson
320 23rd Street South
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Arlington, VA 22202

Date Received 07/18/2002 **SciLab Job No.** 102071507
Date Examined 07/21/2002 **P.O. #** 700-1412
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RE:

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
071602-11	102071507-11M1	*Yes*	<1.%

Location: Classroom #10

Description: Black, Homogeneous, Mastic
Asbestos Types: Chrysotile Trace
Other Material: Cellulose 15. %, Non-fibrous 85. %

071602-12	102071507-12	*No*	NAD

Location: Classroom #10

Description: Lime Green, Homogeneous, Bulk Material
Asbestos Types:
Other Material: Cellulose 3. %, Non-fibrous 97. %
Comment: Insufficient mastic for accurate quantitation.

071602-13	102071507-13.1	*No*	NAD

Location: Classroom #10

Description: White/Green, Homogeneous, Skim Coat
Asbestos Types:
Other Material: Cellulose Trace, Non-fibrous 100. %

071602-13	102071507-13.2	*No*	NAD

Location: Classroom #10

Description: Grey, Homogeneous, Cementitious, Base Coat
Asbestos Types:
Other Material: Cellulose 2. %, Fibrous glass Trace, Non-fibrous 98. %

SCILAB

SCIENTIFIC LABORATORIES, INC.
13635 GENITO ROAD
MIDLOTHIAN, VA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

AAS Environmental, Inc.
Attn: Dave Johnson
320 23rd Street South
Suite 100
Arlington, VA 22202

Date Received 07/18/2002 **SciLab Job No.** 102071507
Date Examined 07/21/2002 **P.O. #** 700-1412
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RE:

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
071602-14	102071507-14T1	*Yes*	5 %
	Location: Classroom #2		
	Description: Multi-Colored, Homogeneous, Floor Tile		
	Asbestos Types: Chrysotile 5. %		
	Other Material: Non-fibrous 95. %		
071602-14	102071507-14M1	*Yes*	<1.% [1]
	Location: Classroom #2		
	Description: Black, Homogeneous, Mastic		
	Asbestos Types: Chrysotile Trace		
	Other Material: Cellulose 20. %, Synthetic fibers 3. %, Non-fibrous 77. %		
071602-15	102071507-15T1	*Yes*	3 %
	Location: Classroom #2		
	Description: Blue, Homogeneous, Floor Tile		
	Asbestos Types: Chrysotile 3. %		
	Other Material: Non-fibrous 97. %		
071602-15	102071507-15M1	*No*	NAD
	Location: Classroom #2		
	Description: Black, Homogeneous, Mastic		
	Asbestos Types:		
	Other Material: Cellulose 2. %, Non-fibrous 98. %		
071602-16	102071507-16.1	*No*	NAD
	Location: Classroom #2		
	Description: White/Blue, Homogeneous, Skim Coat		
	Asbestos Types:		
	Other Material: Cellulose Trace. Non-fibrous 100. %		

SCIENTIFIC LABORATORIES, INC.
13635 GENITO ROAD
MIDLOTHIAN, VA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1600

PLM Bulk Asbestos Report

AAS Environmental, Inc.
Attn: Dave Johnson
320 23rd Street South
Suite 100
Arlington, VA 22202

Date Received 07/18/2002 **SciLab Job No.** 102071507
Date Examined 07/21/2002 **P.O. #** 700-1412
Page 7 **of** 8
RE:

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
071602-16	102071507-16.2	*No*	NAD

Location: Classroom #2

Description: Grey, Homogeneous, Cementitious, Base Coat
Asbestos Types:
Other Material: Cellulose 3. %, Synthetic fibers Trace, Non-fibrous 97. %

071602-17	102071507-17	*No*	NAD

Location: Classroom #2

Description: White/Brown/Blue, Heterogeneous, Bulk Material
Asbestos Types:
Other Material: Cellulose 20. %, Non-fibrous 80. %
Comment: No joint compound material present.

071602-18	102071507-18T1	*Yes*	3 %

Location: Classroom #2

Description: Blue, Heterogeneous, Floor Tile
Asbestos Types: Chrysotile 3. %
Other Material: Non-fibrous 97. %

071602-18	102071507-18M1	*Yes*	<1.% [1]

Location: Classroom #2

Description: Black, Heterogeneous. Mastic
Asbestos Types: Chrysotile Trace
Other Material: Cellulose 15. %, Non-fibrous 85. %

SCILAB

SCIENTIFIC LABORATORIES, INC.
13635 GENITO ROAD
MIDLOTHIAN, VA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

AAS Environmental, Inc.
Attn: Dave Johnson
320 23rd Street South
Suite 100
Arlington, VA 22202

Date Received 07/18/2002 **SciLab Job No.** 102071507
Date Examined 07/21/2002 **P.O. #** 700-1412
Page 8 **of** 8

RE:

Reporting Notes:

(1) Trace amount of asbestos (<1%) suspected to be inseparable contamination from adjacent layer.

Analyzed by: C. Samuel Manooch Sam Manooch Date 07/21/02

*NAD/NSD = no asbestos detected; Detection Limit <1%; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #101904-0) and ELAP PLM Analysis Protocol 198.1 for New York samples (NYSDOH ELAP Lab # 10984); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: _____

AAS Environmental, Inc.
Environmental Engineering Consultants

SEND RESULTS TO:
☐ New York, NY Office (212) 213-8700 (212) 213-7606 Fax
☐ Rockville, MD Office (301) 294-3211 (301) 294-3212 Fax
☒ Arlington, VA Office (703) 769-8299 (703) 769-1063 Fax
☐ Harrisburg, PA Office (717) 234-8820 (717) 238-2350 Fax
☐ Field Office _____ Results Due: _____

102071507

DATE: 7-16-02
PROJECT MANAGER: Dave Johnson
AASE PROJECT NO.: _____
LABORATORY NAME: _____
TURN AROUND TIME: _____
RESULTS DUE: _____
PURCHASE ORDER NO.: 700-1412

BULK SAMPLING SURVEY FORM

Sample No.	Photo No.	Type of Material Sampled	Friable (Y/N)	Accessibility (H/M/L)	Damage (H/M/L)	Traffic (H/M/L)	Vibration (H/M/L)	Air Erosion (H/M/L)	Sample Location	Quantity	*AHERA Classification
071602-01		lt gr VFT 12x12 w/mastic	Y	L	H	L	L	L	classroom #6		
071602-02		wall plaster w/ green paint	Y	L	H	L	L	L	classroom #6		
071602-03		drywall wall w/ green paint	Y	L	H	L	L	L	classroom #6		
071602-04		lt. green VFT 9x9 w/mastic	Y	L	H	L	L	L	outside of door classroom #6		
071602-05		lt brown VFT 12x12 w/mastic	Y	L	H	L	L	L	classroom #6		
071602-06		wall plaster	Y	L	H	L	L	L	classroom #6		
071602-07		lt green VFT 12x12 w/mastic	Y	L	H	L	L	L	classroom #6		
071602-08		black vinyl base board w/mastic	Y	L	H	L	L	L	classroom #6		
071602-09		drywall wall w/ paint cut	Y	L	H	L	L	L	classroom #10		
071602-10		lt brown VFT w/ mastic 9x9	Y	L	H	L	L	L	classroom #10		

RECEIVED
JUL 16 2002
@ 9:50 am
By

*AHERA Classification: 1 - damaged or significantly damaged thermal system insulation ACM; 2 - damaged friable surfacing ACM; 3 - significantly damaged friable surfacing ACM; 4 - damaged or significantly damaged friable miscellaneous ACM; 5 - ACBM with potential for damage; 6 - ACBM with potential for significant damage; 7 - any remaining friable ACBM or friable suspected ACBM

Collected By: _____ Date: 7-16-02 Time: _____
Relinquished By: _____ Date: _____ Time: _____
Delivered By: _____ Date: _____ Time: _____
Received By: _____ Date: _____ Time: _____

Opened By: _____ Date: _____ Time: _____
No. of Samples Rec'd: _____
Condition of Materials: _____
Condition of Package: _____

Analyzed By: _____ Date: _____ Time: _____
Reported By: _____ Date: _____ Time: _____

White-AASE/Pit. Yel/Green-Lab

AAS Environmental, Inc.
Environmental Engineering Consultants 102071507

SEND RESULTS TO:

☐ New York, NY Office (212) 213-8700 (212) 213-7608 Fax	☐ Rockville, MD Office (301) 294-3211 (301) 294-3212 Fax	☐ Arlington, VA Office (703) 769-8299 (703) 769-1063 Fax	☐ Harrisburg, PA Office (717) 234-6820 (717) 238-2350 Fax

☐ Field Office _____ Results Due: _____

DATE: 7-16-02
PROJECT MANAGER: D Johnson
AASE PROJECT NO.: _____
LABORATORY NAME: _____
TURN AROUND TIME: _____
RESULTS DUE: _____
PURCHASE ORDER NO.: 700-1412

BULK SAMPLING SURVEY FORM

Sample No.	Photo No.	Type of Material Sampled	Friable (Y/N)	Accessibility (H/M/L)	Damage (H/M/L)	Traffic (H/M/L)	Vibration (H/M/L)	Air Erosion (H/M/L)	Sample Location	Quantity	*AHERA Classification
071602-11		dk brown VFT 9x9 w/mastic	Y	L	H	L	L	L	classroom #10		
071602-12		speckled green VFT 9x9 w/mastic	Y	L	H	L	L	L	classroom #10		
071602-13		plaster wall w/green paint	Y	L	H	L	L	L	classroom #10		
071602-14		white w/blue specks VFT 12x12 w/mastic	Y	L	H	L	L	L	classroom #2		
071602-15		blue w/white specks VFT 12x12 w/mastic	Y	L	H	L	L	L	classroom #2		
071602-16		Plaster wall w/blue paint	Y	L	H	L	L	L	classroom #2		
071602-17		drywall wall w/blue paint	Y	L	H	L	L	L	classroom #2		
071602-18		dk blue VFT 12x12 w/mastic	Y	L	H	L	L	L	classroom #2		

RECEIVED
JUL 18 2002
@ 9:50 pm

*AHERA Classification: 1 - damaged or significantly damaged thermal system insulation ACM; 2 - damaged friable surfacing ACM; 3 - significantly damaged friable surfacing ACM; 4 - damaged or significantly damaged friable miscellaneous ACM; 5 - ACBM with potential for damage; 6 - ACBM with potential for significant damage; 7 - any remaining friable ACBM or friable suspected ACBM

Collected By: [signature] Date: 7-16-02 Time: _____ Opened By: _____ Date: _____ Time: _____ Analyzed By: _____ Date: _____ Time: _____
Relinquished By: _____ Date: _____ Time: _____ No. of Samples Rec'd: _____ Reported By: _____ Date: _____ Time: _____
Delivered By: _____ Date: _____ Time: _____ Condition of Materials: _____
Received By: _____ Date: _____ Time: _____ Condition of Package: _____

White-AASE Pin[illegible]