



SIERRA ENVIRONMENTAL GROUP, INC.

July 16, 2021

Mr. Devin Huff
Maintenance Supervisor
Ross Local Schools
3371 Hamilton-Cleves Road
Hamilton, Ohio 45013
(513) 633-4833

**RE: Summary of Clearance Inspection and Clearance Air Monitoring
Administration Building – 1st Floor Main Wing North
3371 Hamilton-Cleves Road
Hamilton, Ohio 45013
Sierra Project Number: Ross.007**

Dear Mr. Huff:

On July 15, 2021, Mr. Chris Fath (Ohio Environmental Protection Agency Certified Asbestos Hazard Evaluation Specialist # ES543923) of Sierra Environmental Group, Inc., (Sierra) performed a clearance inspection and final clearance air monitoring services relating to the clean-up of asbestos-containing wall and ceiling plaster at the above referenced location.

Before clearance air samples were collected, Sierra's on-site representative performed a comprehensive visual inspection to determine if all specified asbestos-containing materials had been removed and if the regulated work area had been satisfactorily decontaminated so as to be free of any visible dust. After it was determined that these materials were removed and the regulated work area decontaminated, clearance air samples were collected.

Five aggressive clearance samples were collected from the regulated work area in the specified area where the work was performed and analyzed in accordance with the 40 CFR Part 763 (AHERA) by Transmission Electron Microscopy (TEM). The results of these samples were reported as all below 70 Structures/mm² of air level required for clearance by this method. Sierra notified Ross Local Schools that the work area passed air clearance and that the regulated areas are clear for re-occupancy.

Enclosed are the following Sierra documents: 1) Air Sampling Record; 2) Pre-Clearance Visual Inspection form; 3) Laboratory Report; 4) Floor Plan and 5) Inspector's Certification.

Sierra appreciates this opportunity to provide Ross Local Schools with asbestos management services. If you have any questions about this report, or if Sierra can be of additional services, please call us at (513) 542-5323.

Sincerely

SIERRA ENVIRONMENTAL GROUP, INC.

Todd Taylor, #ES32139
President

Attachments

SIERRA ENVIRONMENTAL GROUP, INC. DAILY AIR SAMPLING RECORD

(Please Print Neatly)

Client: Ross Local Schools		Project Contact: Devin Huff		Location: Administration Building, 3371 Hamilton-Cleves Road, Hamilton, Ohio 45013		Sierra Representative: Chris Fath TEM Analyst: ALS Environmental	
Project #: Ross.007							
Date:	Means of Pump Calibration:		Microscope Field Area:		PCM Filter:		TEM Filter:
7/15/2021	TSI 4199		0.00785 sq mm other _____ sq mm		0.8µm 25mm Mft. 0.8µm 37 mm Lot#		MCE _____ PC X _____ _____ <0.45µm 25mm Mft. _____ <0.45µm 37mm Lot#
Sample #	Type	Sample Description	Activity	Time (24 Hour Clock)		Flow Rate (L/Min)	Structures/ cc
Pump #		Location		Start	Stop	Average	
1	Blank	Field Blank	FB	***	***	***	NA
2	Blank	Field Blank	FB	***	***	***	NA
3	Blank	Field Blank	FB	***	***	***	NA
4	IWA	Room 104, Wall B	Clearance	12:43	2:53	9.77	1274
5	IWA	Room 105, Wall D	Clearance	12:43	2:53	9.81	1279
6	IWA	Room 103, Wall A	Clearance	12:44	2:55	9.83	1293
7	IWA	Hall outside women's restroom	Clearance	12:44	2:55	9.86	1294
8	IWA	Room 101, Wall A	Clearance	12:45	2:56	9.73	1276
Blind Recount							
Collected by: Chris Fath		Date: 7/15/2021 Time:		Relinquished by:		Date: Time:	
Received by:		Date: Time:		Analyzed by: ALS		Date: 7/16/2021 Time:	

Please use reverse side of form for sampling location diagram.

KEY TO ABBREVIATIONS:

SAMPLE TYPE: P = personal; IWA = inside work area; OWA = outside work area; BG = background;
HEX = hepa exhaust; CL = clearance.

SIERRA ENVIRONMENTAL GROUP, INC. PRE-CLEARANCE VISUAL INSPECTION

(Please Print Neatly)

Client: Ross Local Schools	Project Contact: Devin Huff	Location: 3371 Hamilton Cleves Road, Hamilton, Ohio 45013	Sierra Representative: <i>C. Fath</i>
Project #: Ross.007			
Date: <i>7-15-21</i>	Time: <i>12:30</i>	Contractor Foreman (Name and Company): <i>Victor Done, EDG</i>	Work Area: <i>1st floor northwest hallway</i>

Inspection:

First Inspection *X* Reinspection _____

Contractor Certification of Visual Inspection

In accordance with the asbestos abatement workplan/specifications, the Contractor hereby certifies that he has visually inspected the Work Area (all surfaces, including pipes, beams, ledges, walls, ceiling and floor, decontamination unit, sheet plastic, etc.), and has found no dust and/or debris.

Contractor's Foreman or Representative: _____

Victor Done
(Print Name)

[Signature]
(Signature)

Sierra Representative's Certification of Visual Inspection

1. No visible debris on walls and floors.
2. No visible debris between deck and beams.
3. No visible debris behind perimeter columns.
4. No visible debris on top of ducts.
5. No visible debris on hangers, rods, lights.
6. No visible debris on surfaces covered by poly.
7. No visible debris on pipes.
8. All bags of waste removed from work area.
9. All equipment clean, including underside of negative air units.
10. Negative pressure differential ≥ 0.02 inches of water.
11. Airless spray equipment used for encapsulation.
12. The area suitable for encapsulation.

Proceed with encapsulation: _____ Yes _____ No

Comments:

*No visible debris. All holes have been sprayed w/ Clear Encap
all surfaces have been wiped and/or vacuumed.*

Sierra Representative: _____

C. Fath
(Print Name)

(Signature)



Contact: Chuck Callahan
Company: Sierra Environmental Group, Inc
Address: 1051 Straight Street,
Cincinnati, OH 45214

REFERENCE DATA

Project / Location: 3371 Hamilton Cleves Rd; Ross.007

PO Number: NA

ALS Work Order: 21070494

NARRATIVE: Analysis performed on FEI Tecnai G2 Spirit Twin TEM at 100keV equipped with EDAX Octane T Plus Silicon Drift Detector System and Z2 Analyzer. Morphology SAED, and EDXA used to determine species. All sample collection is performed outside of ALS and is the sole responsibility of client. If collection or submission deviates from any method requirement, then interpretation of the results via the method cannot be made. The analytical sensitivity (AS) for this method is based on the detection of one confirmed asbestos structure in the total area analyzed and is expressed in str/mm² and str/cc(mL)* dependent upon the air volume (L) provided by the client. As with any measurement statistically derived uncertainty data as it impacts this method should be considered when interpreting results. Measures of individual analyst and laboratory accuracy and precision are routinely tabulated and can be made available upon request. Sample filters are archived for 30 days, and analyzed TEM grids are archived for 3 years. Results apply only to the portions of the samples analyzed. Raw data validated by analyst.

METHOD CODE: "AHERA" refers to samples prepared and analyzed according to EPA AHERA protocol published in 40 CFR Part 763 Appendix A subpart E. Structure sizes measured according to Yamate Level II. When possible, sufficient openings are analyzed to reach AS of <0.005 str/cc. However, samples collected with volumes <1200L may not reach AS. Therefore, a maximum of 10 openings will be analyzed regardless of AS reached. Analysis of clearance samples will be terminated upon completion of the opening containing the structure which causes the projected average concentration to exceed 70 str/mm².

Note: AHERA regulations prohibit shipping or storage of air samples in the same container as bulk samples, analysis of filters exceeding 10% particulate loading, filters exhibiting uneven loading, or indirect preparation of overloaded filters. Samples exhibiting any prohibited conditions shall be rejected for analysis.

In order to provide results in fibers/cc, the sample air volumes in Liters **must be provided via the COC which accompanies the samples at the time of receipt by the analyzing laboratory. Reports requiring revision as a result of information missing from the original COC will incur an additional administrative fee.*

ABBREVIATIONS: NA=Not Applicable, ND=None Detected, AS=Analytical Sensitivity, Str=structures
ALS is accredited for the AHERA method through New York ELAP (Lab#11371).

SAMPLE IDENTIFICATION

Client Sample ID:	4	5	6	7	8
ALS Sample ID:	21070494-04	21070494-05	21070494-06	21070494-07	21070494-08
Method Code:	AHERA	AHERA	AHERA	AHERA	AHERA
Analyst:	Pamela Hizar	Pamela Hizar	Pamela Hizar	Pamela Hizar	Pamela Hizar
Date Analyzed:	7/16/2021	7/16/2021	7/16/2021	7/16/2021	7/16/2021
Air Volume (L):	1274	1279	1293	1294	1276
Openings Analyzed:	6	6	6	6	6
Avg. Opening Area (mm ²):	0.0102	0.0102	0.0102	0.0102	0.0102
AS: str/mm ² :	16.34	16.34	16.34	16.34	16.34
AS: str/cc (mL):	0.0049	0.0049	0.0049	0.0049	0.0049

ASBESTOS <5µm

Chrysotile:	0	0	0	0	0
Amosite:	0	0	0	0	0
Crocidolite:	0	0	0	0	0
Actinolite:	0	0	0	0	0
Tremolite:	0	0	0	0	0
Anthophyllite:	0	0	0	0	0
Total Asbestos <5µm:	0	0	0	0	0
Concentration: str/mm ² :	<AS	<AS	<AS	<AS	<AS
Concentration: str/cc(mL):	<AS	<AS	<AS	<AS	<AS

ASBESTOS ≥5µm

Chrysotile:	0	0	0	0	0
Amosite:	0	0	0	0	0
Crocidolite:	0	0	0	0	0
Actinolite:	0	0	0	0	0
Tremolite:	0	0	0	0	0
Anthophyllite:	0	0	0	0	0
Total Asbestos ≥5µm:	0	0	0	0	0
Concentration: str/mm ² :	<AS	<AS	<AS	<AS	<AS
Concentration: str/cc(mL):	<AS	<AS	<AS	<AS	<AS

TOTAL ASBESTOS

Total Asbestos Count:	0	0	0	0	0
Concentration: str/mm ² :	<AS	<AS	<AS	<AS	<AS
Concentration: str/cc(mL):	<AS	<AS	<AS	<AS	<AS
Sample Comments:	NA	NA	NA	NA	NA

AVERAGE ASBESTOS CONCENTRATION*

Concentration: str/mm ² :	<AS
Concentration: str/cc(mL):	<AS

*Average asbestos concentration applies ONLY to TEM AHERA clearance sets of 5 inside samples.

NOTES

Per client instructions blanks labeled 1, 2, and 3 were not analyzed.



SIERRA ENVIRONMENTAL GROUP, INC.

July 16, 2021

Mr. Devin Huff
Maintenance Supervisor
Ross Local Schools
3371 Hamilton-Cleves Road
Hamilton, Ohio 45013
(513) 633-4833

RE: Summary of Clearance Inspection and Clearance Air Monitoring
Ross Local Schools Administration Building – Room 112
3371 Hamilton-Cleves Road
Hamilton, Ohio 45013
Sierra Project Number: Ross.007

Dear Mr. Huff:

On July 15, 2021, Mr. Mr. Chris Fath (Ohio Environmental Protection Agency Certified Asbestos Hazard Evaluation Specialist #ES543923) of Sierra Environmental Group, Inc., (Sierra) performed clearance inspections and final clearance air monitoring services relating to the removal of specified asbestos-containing wall plaster from Room 112 at the above referenced location. Environmental Demolition Group, LLC (EDG) was selected by the owner to perform the asbestos removal activities.

Before clearance air samples were collected, Sierra's on-site representative performed a comprehensive visual inspection to determine if all specified asbestos-containing material had been satisfactorily decontaminated so as to be free of any visible dust. After it was determined that this material was removed and the work area decontaminated, clearance air samples were collected.

Five aggressive clearance samples were collected from the regulated work area where the work was performed and analyzed in accordance with the NIOSH 7400 method by Phase Contrast Microscopy (PCM). The results of Room 112 air samples were all within the 0.01 fibers/cc of air level required for clearance by this method. Sierra notified Ross Local Schools and EDG that these work area passed air clearance and that the regulated area is clear for re-occupancy.

Enclosed are the following Sierra documents: 1) Air Sampling Record; 2) Pre-Clearance Visual Inspection form; 3) Laboratory Report and 4) Inspector's Certification.

Sierra appreciates this opportunity to provide Ross Local Schools with asbestos management services. If you have any questions about this report, or if Sierra can be of additional services, please call us at (513) 542-5323.

Sincerely

SIERRA ENVIRONMENTAL GROUP, INC.

Todd Taylor, #ES32139
President

SIERRA ENVIRONMENTAL GROUP, INC. DAILY AIR SAMPLING RECORD

(Please Print Neatly)

Client: Ross Local Schools		Project Contact: Devin Huff		Location: Ross Local Schools Administration Building, 3371 Hamilton-Cleves Road, Hamilton, Ohio 45013		Sierra Representative: Chris Fath				
Project #: Ross.007										
Date: 7/15/2021	Means of Pump Calibration: TSI 4199	Microscope Field Area: 0.00785 sq mm other sq mm		PCM Filter: 0.8µm 25mm Mft. Lot# 0.8µm 37 mm Lot#		TEM Filter: MCE <0.45µm 25mm Mft. Lot# PC <0.45µm 37mm Lot#				
Sample #	Type	Sample Description	Activity	Time (24 Hour Clock)			Flow Rate (L/Min)	Air Volume (Liters)	# Fibers Per # Fields Minus Ave. Blank Count	Fibers/cc
Pump #		Location		Start	Stop	Total Minutes	Start	Stop	Average	
1	FB	Field Blank	***	***	***	***	***	***	***	NA
2	FB	Field Blank	***	***	***	***	***	***	***	NA
3	IWA	Room 112, mini containment	Clearance	12:09	2:19	130	9:71	9:76	9:74	1266
4	IWA	Room 112, mini containment	Clearance	12:10	2:21	131	9:83	9:87	9:85	1290
5	IWA	Room 112, mini containment	Clearance	12:10	2:21	131	9:77	9:81	9:79	1283
6	IWA	Room 112, mini containment	Clearance	12:11	2:21	130	9:69	9:73	9:71	1262
7	IWA	Room 112, mini containment	Clearance	12:12	2:22	130	9:73	9:77	9:75	1268
		Blind Recount								
Collected by: Chris Fath		Date: 7/15/2021 Time:		Relinquished by:			Date: Time:			
Received by:		Date: Time:		Analyzed by: EHS Labs			Date: 7/16/2021 Time:			

Please use reverse side of form for sampling location diagram.

KEY TO ABBREVIATIONS:

SAMPLE TYPE: P = personal; IWA = inside work area; OWA = outside work area; BG = background;
HEX = hepa exhaust; CL = clearance.

SIERRA ENVIRONMENTAL GROUP, INC. PRE-CLEARANCE VISUAL INSPECTION

(Please Print Neatly)

Client: Ross Local Schools	Project Contact: Devin Huff	Location: 3371 Hamilton Cleves Road, Hamilton, Ohio 45013	Sierra Representative: <i>C. Futh</i>
Project #: Ross.007			
Date: <i>7-19-21</i>	Time: <i>12:00</i>	Contractor Foreman (Name and Company): <i>Victor Done, EDO</i>	Work Area: <i>Room 112 Pillar</i>

Inspection: _____ First Inspection _____ Reinspection *X*

Contractor Certification of Visual Inspection

In accordance with the asbestos abatement workplan/specifications, the Contractor hereby certifies that he has visually inspected the Work Area (all surfaces, including pipes, beams, ledges, walls, ceiling and floor, decontamination unit, sheet plastic, etc.), and has found no dust and/or debris.

Contractor's Foreman or Representative: *Victor Done* (Print Name) _____
(Signature) *[Signature]*

Sierra Representative's Certification of Visual Inspection

1. No visible debris on walls and floors.
2. No visible debris between deck and beams.
3. No visible debris behind perimeter columns.
4. No visible debris on top of ducts.
5. No visible debris on hangers, rods, lights.
6. No visible debris on surfaces covered by poly.
7. No visible debris on pipes.
8. All bags of waste removed from work area.
9. All equipment clean, including underside of negative air units.
10. Negative pressure differential ≥ 0.02 inches of water.
11. Airless spray equipment used for encapsulation.
12. The area suitable for encapsulation.

Proceed with encapsulation: _____ Yes _____ No

Comments: *No visible debris on floors or walls, Encap applied to entire confinement.*

Sierra Representative: *C. Futh* (Print Name) _____
(Signature) *[Signature]*



Laboratories™

Environmental Hazards Services, L.L.C.

7469 Whitepine Rd

Richmond, VA 23237

Telephone: 800.347.4010

Fiber Count Analysis Report

Report Number: 21-07-02193

Received Date: 07/16/2021

Analyzed Date: 07/16/2021

Reported Date: 07/16/2021

Client: Sierra Environment Group Inc.
1041 Straight Street
Cincinnati, OH 45214

Project/Test Address: Ross.007; 3371 Hamilton Cleves Rd Room 112;
Hamilton, OH

Client Number:

36-6195

Fax Number:

513-542-6653

Laboratory Results

Lab Sample Number	Client Sample Number	Volume Liters (L)	Fibers/Fields	Fibers/mm2	Fibers/CC	Narrative ID
21-07-02193-001	1 BLANK	0.000	0.0 / 100	<7.6	---	
21-07-02193-002	2 BLANK	0.000	0.0 / 100	<7.6	---	
21-07-02193-003	3	1270	4.0 / 100	<7.6	<0.005	
21-07-02193-004	4	1290	5.5 / 100	<7.6	<0.005	
21-07-02193-005	5	1280	3.5 / 100	<7.6	<0.005	
21-07-02193-006	6	1260	3.0 / 100	<7.6	<0.005	
21-07-02193-007	7	1270	3.5 / 100	<7.6	<0.005	

Environmental Hazards Services, L.L.C

Client Number: 36-6195

Report Number: 21-07-02193

Project/Test Address: Ross.007; 3371 Hamilton Cleves Rd Room 112;
Hamilton, OH

Lab Sample Number	Client Sample Number	Volume Liters (L)	Fibers/Fields	Fibers/mm2	Fibers/CC	Narrative ID
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Method: NIOSH 7400, Issue 2, 08-15-94

Analyst: Kathy Fletcher

Reviewed By Authorized Signatory:

Melissa Kanode

Missy Kanode
QA/QC Clerk

Intralaboratory Sr for fiber count ranges 5-20, >20-50, and >50-100 respectively are 0.344, 0.332, 0.311

Individual Analyst Sr for fiber count ranges 5-20, >20-50, and >50-100 respectively are 0.288, 0.276, 0.238.

New York State requires a minimum sample volume of 1000L for PCM clearance samples.

NOTE: The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. Results listed above in Fibers/CC are based on air volume supplied by the client. The submission of blank samples is required by sampling methodologies. EHS sample results are blank corrected, per NIOSH 7400, when the client submits blank samples. If the report does not contain the result for a field blank, it is because the client did not include a field blank with their samples. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Services, L.L.C.

Method Level of Detection: 7.64 fibers/mm2.

AIHA-LAP, LLC (100420)

LEGEND

L = liters

fibers/cc = fibers per cubic centimeter

fibers/mm² = fibers per square millimeter



EHS Laboratories™

Environmental Hazards Services, LLC
www.leadlab.com 7469 Whitepine Rd
(800)347-4010 Richmond, VA 23237
(804)275-4907 (fax)

Asbestos Chain-of-Custody

21-011-02120



Due Date:
07/16/2021
(Friday)
AE M Inv

7PM

Company Name: Sierra Environmental Group, Inc. Address: 1041 Straight Street City/State/Zip: Cincinnati, OH 45214

Phone: (513) 542-5323 Fax: () E-mail: Acct. Number: 36-6195

Project Name / Testing Address: Ross 007 3371 Hamilton Blosser City/State (Required): Hamilton, OH

Collected by: Christopher Fahn Purchase Order Number: Room 112

Turn Around Times : If no TAT is specified, sample(s) will be processed and charged as 3-day TAT.
1 - Day 2 - Day 3 - Day Same Day (Must Call Ahead) Weekend (Must Call Ahead)

No.	Client Sample ID	Date Collected	ASBESTOS						AIR			Volume (Total Liters)	COMMENTS	
			PLM	PLM/Point Count 400	PLM/Point Count 1000	PLM NY Protocol	PCM	TEM/Confid (Pulv)	TEM/AFR (AF)	Time On	Time Off			Flow Rate (L/min)
1	1	7-15-21											Blank	Room 112
2	2	11					X						11	11
3	3	11					X						1266	11
4	4	11					X						1290	11
5	5	11					X						1283	11
6	6	11					X						1262	11
7	7	11					X						1268	11
8														
9														
10														

Released by: Christopher Fahn Signature: *[Signature]* Date/Time: 7-15-21

Received by: Signature: *[Signature]* Date/Time: