

SIERRA ENVIRONMENTAL GROUP, INC.

July 6, 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 South Wing
3371 Hamilton-Cleves Road
Hamilton, Ohio 45013
Sierra Project Number: Ross.007

Dear Mr. Huff:

On July 2, 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		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 X <0.45µm 37mm Lot#	
Date: 7/2/2021	Means of Pump Calibration: TSI 4199						
Sample #	Type	Sample Description	Activity	Time (24 Hour Clock)		Flow Rate (L/Min)	Structures/ cc
Pump #		Location		Start	Stop	Total Minutes	Average
1	Blank	Field Blank	FB	***	***	***	***
2	Blank	Field Blank	FB	***	***	***	***
3	Blank	Field Blank	FB	***	***	***	***
4	IWA	Room 111, Wall A	Clearance	8:00	10:11	131	9.77
5	IWA	Hallway outside Room 113	Clearance	8:02	10:12	130	9.86
6	IWA	Room 109, Wall D	Clearance	8:03	10:14	131	9.67
7	IWA	Hallway outside restroom	Clearance	8:05	10:17	132	9.82
8	IWA	Room 1004, Wall B	Clearance	8:07	10:17	130	9.67
Blind Recount							
Collected by: Chris Fath		Date: 7/2/2021 Time:		Relinquished by:		Date: Time:	
Received by:		Date: Time:		Analyzed by: ALS		Date: 7/2/2021 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 Horta	Location: 3371 Hamilton - Cleves Rd Hamilton, OH 45015	Sierra Representative: Chris Fath
Project #: Ross.007	Time: 7:40	Contractor Foreman (Name and Company): Victor Done, EDG	Work Area: 1st Floor South wing
Date: 7-2-21			

Inspection:

☒ First
☐ Inspection

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)

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 surfaces or on ground. Encap is applied to all plaster or damaged ceiling.

-0.023

Sierra Representative:

Chris Fath
(Print Name)

(Signature)



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

REFERENCE DATA

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

PO Number: NA

ALS Work Order: 21070091

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:	21070091-04	21070091-05	21070091-06	21070091-07	21070091-08
Method Code:	AHERA	AHERA	AHERA	AHERA	AHERA
Analyst:	Pamela Hizar	Pamela Hizar	Pamela Hizar	Pamela Hizar	Pamela Hizar
Date Analyzed:	7/2/2021	7/2/2021	7/2/2021	7/2/2021	7/2/2021
Air Volume (L):	1280	1282	1267	1296	1257
Openings Analyzed:	6	6	6	6	7
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	14.01
AS: str/cc (mL):	0.0049	0.0049	0.0050	0.0049	0.0043

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/mm²: <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.

ALS LAB USE ONLY				DELIVERY METHOD: <u>CLIENT</u>				DROPPED BOX		FEDEX		UPS	
COOLER TEMP:		°C	Taken with IR#:	STD MAIL		PRTY MAIL	ALS	COURIER		OTHER:			
CUSTODY METHOD: NONE COOLER WET ICE DRY ICE ICE PACK				CUSTODY SEALS:		COOLER	PACKAGE	SAMPLES		NOT REQUIRED			
EQUIP. RETURNED:													
Relinquished by: (Signature) <u>[Signature]</u>				Date / Time <u>2-2-21</u>		Received by: (Signature) <u>[Signature]</u>				Date / Time <u>7:12 11-15</u>			
Relinquished by: (Signature)				Date / Time		Received by: (Signature)				Date / Time			
Relinquished by: (Signature)				Date / Time		Received by: (Signature)				Date / Time			



ROSS LOCAL SCHOOL DISTRICT
ADMINISTRATION OFFICE ALTERATIONS
3371 HAMMILLTON CLEVES RD HAMMILLTON, OH 45013
ROSS LOCAL SCHOOL DISTRICT
3371 HAMMILLTON CLEVES RD HAMMILLTON, OH 45013

[illegible]

OVERALL
FIRST FLOOR
PLAN

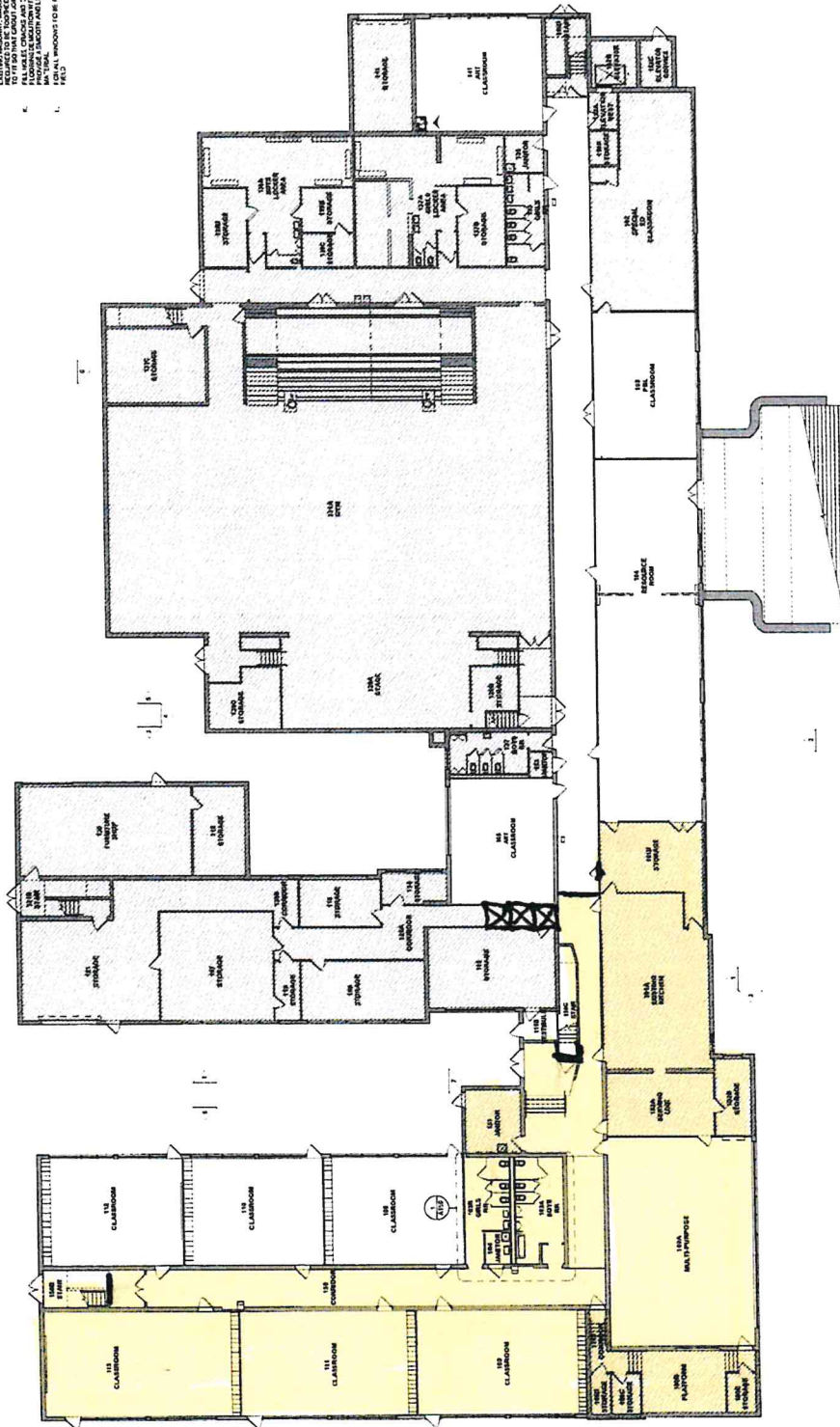
COMM NO. 2020107.01

A051

[illegible]

PLAN LEGEND

	NO WORK THIS AREA
	EXISTING WALL PARTITION TO REMAIN
	EXISTING DOOR AND FRAME TO REMAIN



1 FIRST FLOOR OVERALL FLOOR PLAN