

July 12, 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 - 2nd Floor South Wing

3371 Hamilton-Cleves Road Hamilton, Ohio 45013

Sierra Project Number: Ross.007

Dear Mr. Huff:

On July 9, 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 removal and 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 Strucures/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 Neath)

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Client: Ross Local Schools	Local School		Project Contact: Devin Huff	evin Huff	⊒ <u>∓</u>	ocation: / amilton-C	Location: Administration Building, 3371 Hamilton-Cleves Road, Hamilton, Ohio	n Buildin Hamilton	g, 3371 , Ohio	Sier	ra Represe	Sierra Representative: Chris Fath	
					4	45013				TE	M Analyst:	TEM Analyst: ALS Environmental	Ta ta
Project #: Ross.007	ss.007		***************************************										
Date:	Means of I	Means of Pump Calibration:	Microscope Field Area:		PCM Filter	er:			TEM Filter:	ilter:			
			0.00785 sq mm	- um t	η8.0	0.8µm 25mm Mft.	M#.	-			<0.45µm 2	<0.45µm 25mm Mft.	* Open Company of the
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\$	IWA	2 nd Floor, Room 219, Wall A	m 219, Wall A	Clearance	9:31	11:41	130	9.81	9.85	9.83	1278	<16.34	<0.0049
9	IWA	Hallway outside Room 218	de Room 218	Clearance	9:31	11:42	131	9.59	6.63	19.6	1259	<16.34	<0.0050
7	IWA	Hallway outside Room 217	de Room 217	Clearance	9:32	11:42	130	89.6	9.72	9.70	1261	<16.34	<0.0050
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Collected by: Chris Fath	Chris Fath		Date: 7/9/2021 Time:			Relinqu	Relinquished by:			Date: Time:	:: 69		
Received by:			Date: Time:			Analyze	Analyzed by: ALS			Date: Time:	Date: 7/9/2021 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

Sierra Representative	Sierra Representative's Certification of Visual Insnection	Contractor's Foreman or Representative: Victor Pope (Signature)		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 fourd no dust and/or debris.	X Inspection
	1. No visible debris on walls and floors. 2. No visible debris between dcck and beams. 3. No visible debris between dcck and beams. 3. No visible debris between dcck and beams. 4. No visible debris on top of ducts. 5. No visible debris on surfaces covered by poly. Proceed with encapsulation: Comments: \[\text{No visible debris on walls and floors.} \] No visible debris on top of ducts. 5. No visible debris on surfaces covered by poly. The area suitable for encapsulation. No \[\text{Comments.} \] \[\text{No visible debris on possible debris on surfaces covered by poly.} \] Proceed with encapsulation: \[\text{No Visible Debris on Priss On Ploor Or Surfaces.} \] \[\text{No visible debris on programment is a suitable for encapsulation.} \] \[\text{No visible debris on surfaces covered by poly.} \] \[\text{No visible debris on surfaces covered by poly.} \] \[\text{No visible debris on surfaces covered by poly.} \] \[\text{No Visible debris on surfaces covered by poly.} \] \[\text{No Visible debris on surfaces covered by poly.} \] \[\text{No Visible debris on surfaces covered by poly.} \] \[\text{No Visible Debris on Surfaces covered by poly.} \] \[\text{No Visible Debris on Surfaces covered by poly.} \] \[\text{No Visible Debris on Surfaces covered by poly.} \] \[\text{No Visible Debris on Surfaces covered by poly.} \] \[\text{No Visible Debris on Surfaces covered by poly.} \] \[\text{No Visible Debris on Surfaces covered by poly.} \] \[\text{No Visible Debris on Surfaces covered by poly.} \] \[\text{No Visible Debris on Surfaces covered by poly.} \] \[\text{No Visible Debris on Surfaces covered by poly.} \] \[\text{No Visible Debris on Surfaces covered by poly.} \] \[\text{No Visible Debris on Surfaces covered by poly.} \] \[\text{No Visible Debris on Surfaces covered by poly.} \] \[\text{No Visible Debris on Surfaces covered by poly.} \] \[\text{No Visible Debris on Surfaces covered by poly.} \] \[\text{No Visible Debris on Surfaces covered by poly.} \] \[Representative's Certification of Visual Inspection sible debris on walls and floors. sible debris between deck and beams. sible debris on top of ducts. sible debris on hangers, rods, lights. sible debris on surfaces covered by poly. with encapsulation: Yes No Taspuckon Passad	tor's Foreman or Representative: (Print Name) Representative's Certification of Visual Inspection sible debris on walls and floors. sible debris between deck and beams. sible debris behind perimeter columns. sible debris on top of ducts. sible debris on hangers, rods, lights. sible debris on surfaces covered by poly. With encapsulation: Yes No Taspucken Passed	tor's Foreman or Representative: (Print Name) Representative's Certification of Visual Inspection sible debris on walls and floors. sible debris between deck and beams. sible debris behind perimeter columns. sible debris on top of ducts. sible debris on hangers, rods, lights. sible debris on surfaces covered by poly. with encapsulation: Yes No Taspuckon Passad	ctor Certification of Visual Inspection dance with the asbestos abatement workplan/specifications, the Contractor hereby aces, including pipes, beams, ledges, walls, ceiling and floor, decontamination unitor's Foreman or Representative: (Print Name) Representative's Certification of Visual Inspection sible debris on walls and floors. sible debris between deck and beams. sible debris behind perimeter columns. sible debris on top of ducts. sible debris on surfaces covered by poly. with encapsulation: Yes No Yes No Taspection Yes No Taspection Ansagu
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Schools Project Contact: Devin Huff Location: 377 Hamilton, Ohio 45013 Location: 377 Hamilton, Ohio 45013 Location: 4. Contractor Foreman (Name and Company): Work Area: 4 professes, not contractor Foreman (Name and Company): Work Area: 4 professes, or continuation of Visual Inspection Contractor Foreman (Name and Company): Work Area: 4 professes, or continuation of Visual Inspection Contractor Foreman (Name and Company): Work Area: 4 professes, or continuation of Visual Inspection Contractor Foreman (Name and Company): Work Area: 4 professes, or continuation of Visual Inspection Representative's Certification of Visual Inspection Contractor Foreman (Name and Company): Work Area: 4 professes, and Name of Visual Inspection Contractor Foreman (Name and Company): Work Area: 4 professes, and Name of Visual Inspection Contractor Foreman (Name and Company): Work Area: 4 professes or Contractor Porty, and has found or dusy and or capacition of Visual Inspection Contractor Foreman (Name and Company): Work Area: 4 professes or Contractor Foreman (Final Name) Contractor Foreman (Name and Company): Work Area: 4 professes or Contractor Foreman (Final Name) Contractor Foreman (Name and Company): Work Area: 4 professes or Contractor Foreman (Final Name) Contractor Foreman (Name and Company): Work Area: 4 professes or Contractor Foreman (Final Name) Contractor Foreman (Name) Contractor Foreman (Name and Company): Work Area: 4 professes or Contractor Foreman (Final Name) Contractor Foreman (Name Area: 4 professes Area: 4 professes or Contractor Foreman (Final Name) Contractor Foreman (Name Area: 4 professes Area: 4 profess	Project Contact: Devin Huff Hamilton, Ohio 45013 Time: Contractor Foreman (Name and Company): Kirst Inspection rtification of Visual Inspection with the asbestos abatement workplan/specifications, the Contractor hereby certifies that he has visually inscluding pipes, beams, ledges, walls, ceiling and floor, decontamination unit, sheet plastic, etc.), and has for the contractor hereby certifies that he has visually inscluding pipes, beams, ledges, walls, ceiling and floor, decontamination unit, sheet plastic, etc.), and has for the contractor hereby certifies that he has visually inscluding pipes, beams, ledges, walls, ceiling and floor, decontamination unit, sheet plastic, etc.), and has for the contractor hereby certifies that he has visually inscluding pipes, beams, ledges, walls, ceiling and floor, decontamination unit, sheet plastic, etc.), and has for the contractor hereby certifies that he has visually inscluding pipes, beams, ledges, walls, ceiling and floor, decontamination unit, sheet plastic, etc.), and has for the contractor hereby certifies that he has visually inscribed by the contractor hereby certifies that he has visually inscribed by the contractor hereby certifies that he has visually inscribed by the contractor hereby certifies that he has visually inscribed by the contractor hereby certifies that he has visually inscribed by the contractor hereby certifies that he has visually inscribed by the contractor hereby certifies that he has visually inscribed by the contractor hereby certifies that he has visually inscribed by the contractor hereby certifies that he has visually inscribed by the contractor hereby certifies that he has visually inscribed by the contractor hereby certifies that he has visually inscribed by the contractor hereby certifies the contractor hereby certifies the contractor hereby certifies the contractor hereby	Project Contact: Devin Huff Location: 3371 Hamilton Cleves Road, Hamilton, Ohio 45013 Contractor Foreman (Name and Company): Kiffication of Visual Inspection A First Inspection Inspectio	Time: Time: Contractor Foreman (Name and Company): KEDC Inspection in the asbestos abatement workplan/specifications, the Contractor hereby certifies that he has visually inseluding pipes, beams, ledges, walls, ceiling and floor, decontamination unit, sheet plastic, etc.), and has fo	Project Contact: Devin Huff Location: 3371 Hamilton Cleves Road, Hamilton, Ohio 45013 Contractor Foreman (Name and Company): Victor Por Pope, EDG Kirst Inspection	Time: Time: Contractor Foreman (Name and Company): Uit for Done, £06



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: 21070284

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

SAMPLE IDENTIFICATION					
Client Sample ID:	4	5	6	7	8
ALS Sample ID:	21070284-04	21070284-05	21070284-06	21070284-07	21070284-08
Method Code:	AHERA	AHERA	AHERA	AHERA	AHERA
Analyst:	Pamela Hizar	Pamela Hizar	Pamela Hizar	Pamela Hizar	Pamela Hizar
Date Analyzed:	7/9/2021	7/9/2021	7/9/2021	7/9/2021	7/9/2021
Air Volume (L):	1271	1278	1259	1261	1269
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	0.0050	0.0050	0.0050
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< td=""><td><as< td=""><td><as< td=""><td><as< td=""><td><as< td=""></as<></td></as<></td></as<></td></as<></td></as<>	<as< td=""><td><as< td=""><td><as< td=""><td><as< td=""></as<></td></as<></td></as<></td></as<>	<as< td=""><td><as< td=""><td><as< td=""></as<></td></as<></td></as<>	<as< td=""><td><as< td=""></as<></td></as<>	<as< td=""></as<>
Concentration: str/cc(mL):	<as< td=""><td><as< td=""><td><as< td=""><td><as< td=""><td><as< td=""></as<></td></as<></td></as<></td></as<></td></as<>	<as< td=""><td><as< td=""><td><as< td=""><td><as< td=""></as<></td></as<></td></as<></td></as<>	<as< td=""><td><as< td=""><td><as< td=""></as<></td></as<></td></as<>	<as< td=""><td><as< td=""></as<></td></as<>	<as< td=""></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< td=""><td><as< td=""><td><as< td=""><td><as< td=""><td><as< td=""></as<></td></as<></td></as<></td></as<></td></as<>	<as< td=""><td><as< td=""><td><as< td=""><td><as< td=""></as<></td></as<></td></as<></td></as<>	<as< td=""><td><as< td=""><td><as< td=""></as<></td></as<></td></as<>	<as< td=""><td><as< td=""></as<></td></as<>	<as< td=""></as<>
Concentration: str/cc(mL):	<as< td=""><td><as< td=""><td><as< td=""><td><as< td=""><td><as< td=""></as<></td></as<></td></as<></td></as<></td></as<>	<as< td=""><td><as< td=""><td><as< td=""><td><as< td=""></as<></td></as<></td></as<></td></as<>	<as< td=""><td><as< td=""><td><as< td=""></as<></td></as<></td></as<>	<as< td=""><td><as< td=""></as<></td></as<>	<as< td=""></as<>
TOTAL ASBESTOS					
Total Asbestos Count:	0	0	0	0	0
Concentration: str/mm ² :	<as< td=""><td><as< td=""><td><as< td=""><td><as< td=""><td><as< td=""></as<></td></as<></td></as<></td></as<></td></as<>	<as< td=""><td><as< td=""><td><as< td=""><td><as< td=""></as<></td></as<></td></as<></td></as<>	<as< td=""><td><as< td=""><td><as< td=""></as<></td></as<></td></as<>	<as< td=""><td><as< td=""></as<></td></as<>	<as< td=""></as<>
Concentration: str/cc(mL):	<as< td=""><td><as< td=""><td><as< td=""><td><as< td=""><td><as< td=""></as<></td></as<></td></as<></td></as<></td></as<>	<as< td=""><td><as< td=""><td><as< td=""><td><as< td=""></as<></td></as<></td></as<></td></as<>	<as< td=""><td><as< td=""><td><as< td=""></as<></td></as<></td></as<>	<as< td=""><td><as< td=""></as<></td></as<>	<as< td=""></as<>
Sample Comments:	NA	NA	NA	NA	NA
AVERAGE ASBESTOS CONC	ENTRATION*				

Concentration: str/mm²: <AS
Concentration: str/cc(mL): <AS

NOTES

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

A few non-asbestos fibers identified as gypsum (calcium sulfate) were detected.

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



ANALYTICAL REQUEST FORM

Page	ALS Environmental 4388 Glendale Milford I Cincinnati, Ohio 45242 Phone: (800) 458-149 (513) 733-533 Fax: (513) 733-534	Rd. 93 or 36	RESI	H Stat	Status US Required - ADDITIONAL CHARGE EQUIRED BY DATE ABORATORY GROUP PRIOR TO SENDING SAME	
ompany Naddress — City end Report mail Addre	Purchase Order Notate of the Control	Stru- OH allanum gtose. 2423	t 4521 Zip	14	Quote No. Sampling Site Project No. Billing Address (if different)	
It. Contact	Info		Sample Volume (L)/		ANALYSES REQUESTED - Use Method Number if Kno	W.
Only	Number	Туре	Sample Time (min.)			
		IEM		Vit	mot Analize	
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					elay analysis. Please fill in this form LEGIE	LY.
CHAIN C	OF CUSTODY	oortions of		e / Time		Date / Tin
	OF CUSTODY	portions of				Date / Tim

	ALS LAB US	SE ONLY	DELIVERY METHOD:	CLIENT	DROP BOX	FEDEX	UPS
COOLER TEMP:	°C	pH ADJUSTMENTS:	STD MAIL PRTY MAIL	ALS	COURIER	OTHER:	
		princed interve.	CUSTODY SEALS: NONE	COOLER	PACKAGE	SAMPLES	
COOLING METHOD:	NONE COOLER	WET ICE DRY ICE ICE PACK	EQUIP. RETURNED:				





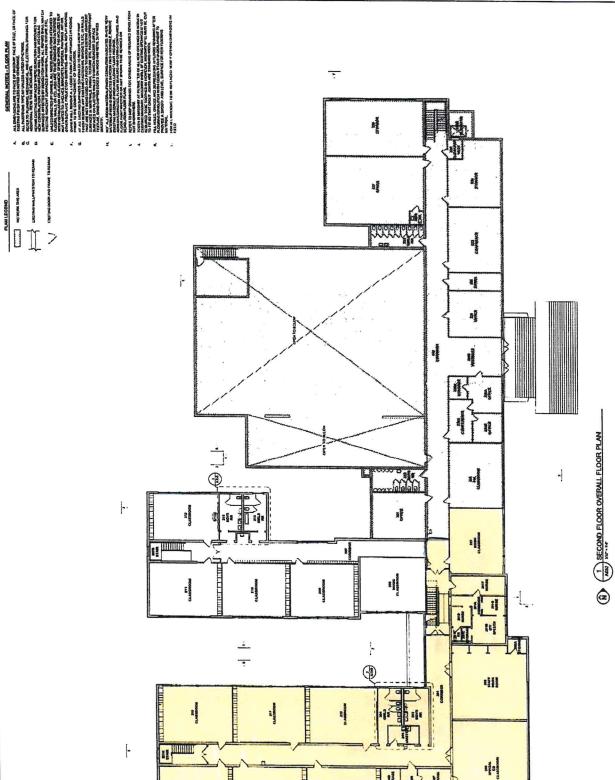
ROSS LOCAL SCHOOL DISTRICT 3371 HAMILTON CLEVES RD HAMILTON, OH 45013

ROSS LOCAL SCHOOL DISTRICT
ADMINISTRATION OFFICE ALTERATIONS
ADMINISTRATION OFFICE
ADMINISTRATION OFFICE
ADMINISTRATION OF STATEMENT OF

GEAWACES PERSONNELLY

OVERALL SECOND FLOOR PLAN

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