

SIERRA ENVIRONMENTAL GROUP, INC.

January 12, 2022

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 – Ross Intermediate School
3371 Hamilton-Cleves Road
Hamilton, Ohio 45013
Sierra Project Number: Ross.008

Dear Mr. Huff:

On January 10, 2022, Mr. Chuck Callahan (Ohio Environmental Protection Agency Certified Asbestos Hazard Evaluation Specialist #ES31960) of Sierra Environmental Group, Inc. (Sierra) performed oversight, clearance inspection and final clearance air monitoring services relating to the major fiber release episode of asbestos-containing acoustical ceiling plaster in Room 214.

Sierra informed the Ross School District to isolate and lock the room, shut down and isolate any HVAC system in the room and post a warning sign at the entry to the room. Sierra arrived at the site and determined that a roof leak had occurred and approximately four (4) square feet of asbestos-containing acoustical ceiling plaster had been damaged. Environmental Demolition Group, LLC (EDG) was selected by the owner to perform the asbestos related activities.

EDG prepared the work area by installing a decontamination chamber at the entrance to the room, cleaning and placing critical barriers over openings into the room and installing one (1) HEPA filtered air machine vented outdoors. EDG removed the loose asbestos-containing acoustical ceiling plaster using wet methods and a HEPA vacuum. This damaged area was then encapsulated using an asbestos specific encapsulant to secure the damaged area. The entire room was decontaminated by wet wiping and the use of HEPA vacuums.

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 removed and if the work area 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.

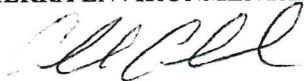
Five aggressive clearance samples were collected from the regulated work area where the work was performed and analyzed in accordance with the NIOSH 7400 method by Phase Contrast Microscopy (PCM). The results of these samples were all within the 0.01 fibers/cc of air level required for clearance by this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

Enclosed are the following Sierra documents: 1) Daily Project Log; 2) Contractor Roster; 3) Air Sampling Record; 4) Pre-Clearance Visual Inspection form; 5) Laboratory Report and 6) 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.

A handwritten signature in blue ink, appearing to read 'C. Callahan', is positioned above the printed name.

Chuck Callahan
Vice President

Attachments



SIERRA ENVIRONMENTAL GROUP, INC. DAILY PROJECT LOG

Client: Ross Local School District		Project #: Ross 008		Sierra Representative: <u>Chuck Callahan</u>	Date: <u>1-10-22</u>
Project Location: 1205 Intermediate School 3371 Hamillon - Cleaves Rd Hamillon, OH 45013		Work Area: Rm 214		Contractor: <u>ED6</u>	Project Hours: Sierra On-Site: From <u>4pm</u> To <u>1045</u>
Project Contact: <u>Devon Hoff</u>		Decontamination Units: ☒ Personnel ☒ # of chambers ☒ Airlocks ☒ Water filtration ☒ Waste Load-out ☒ # of chambers ☒ Airlocks ☒ Water filtration		Contractor Supervisor: <u>Zachary Alvarenga</u>	
Pre-Abatement: ☒ HVAC Shutdown/Isolation ☒ Danger Warning Signs ☒ Electrical GFI's Worker Respiratory Protection: ☒ Supplied Air ☒ PAPR ☒ Full-face Neg Press. ☒ Half-face Neg Press. Other		Type of ACM removed during shift: <u>Aceto Celery Plastic</u> <u>Debris</u> <u>25F</u> <u>205F</u>		Quantity ACM removed during shift: <u>4</u>	Waste Handling: ☒ Wet ☒ Double Bagged ☒ Labeled ☒ Lined Dumpster ☒ Waste Shipment Record
COMMENTS (Diary of shift, project progress, abatement problems, delays, injuries, inspections, etc.) 415 ED6 onsite Plumb abatement unit at Rm 214 entry and began Piecing to install Critical Barriers over openings. The Aceto Celery Celery in the SE corner of the room due to assist tasks. The area of damage was 2' x 1.75' making this a Major fiber release episode. 500 ED6 began Heptic Vacuum at the damaged Area and encapsulation of the Damaged Area. 530 ED6 began debris clean-up and decontamination of the entire Room and contents. 800 Unit was prepped and new visible debris removed in the Room. 815 Cleanroom air samples were attached. 1030 Cleanroom air samples were collected ED6 to wait for Analysis. 1015 Off site.					

(continue with comments on the back side of this sheet)

SIERRA ENVIRONMENTAL GROUP, INC.

ABATEMENT CONTRACTOR PERSONNEL ROSTER

Client: Ross Elementary School District	Project Name and Location: Ross Intermediate School 3371 Hamilton Heights Road	Abatement Contractor: EDG
Abatement Contractor Foreman: Zahed Alvaferiya	Sierra Representative: Chuck Callahan	Date: 1-10-22

[illegible]

(Please Print Neatly)

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

Please use reverse side of form for sampling location diagram.

SIERRA ENVIRONMENTAL GROUP, INC. PRE-CLEARANCE VISUAL INSPECTION

(Please Print Neatly)

Client: <i>Ross Local School District</i>	Project Contact: <i>Devon Holt</i>	Location: <i>Ross Intermediate School 3371 Hamilton - Owens Rd Hamilton, OH 45013</i>	Sierra Representative: <i>Chuck Callahan</i>
Project #: <i>ROSS 008</i>	Time: <i>8:00 pm</i>	Contractor Foreman (Name and Company): <i>Zach Alvarado / EDE</i>	Work Area: <i>Room 214</i>
Date: <i>1-10-22</i>			

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:

(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 encapsulation at Room Area at ceiling that was damaged was sealed using Ch. Ide's Encapsulant.*

Sierra Representative:

(Print Name)

(Signature)



Client: Ross Local Schools
3371 Hamilton-Cleves Road
Hamilton, Ohio 45013

Date Received: 1/10/2022
Analyzed Date: 1/10/2022
Report Date: 1/10/2022

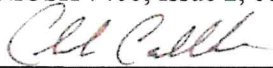
Client Project Number: N/A
Project: Ross Local Schools Administration Building

SIERRA Project Number: Ross.008
Sierra Analyst: Chuck Callahan

LABORATORY RESULTS

Lab Sample Number	Client Sample Number	Volume Liters (L)	Blank Avg.	Fibers/Fields	Fibers/mm2	Fibers/CC
21415	1	N/A	0	0/100	N/A	N/A
21416	2	N/A	0	0/100	N/A	N/A
21417	3	1870	0	7/100	8.92	0.002
21418	4	1860	0	8/100	10.19	0.002
21419	5	1253	0	12.5/100	15.92	0.005
21420	6	1243	0	21/100	26.75	0.008
21421	7	1234	0	21/100	26.75	0.008
21422	8	1243	0	16/100	20.38	0.006
21423	9	1224	0	18.5/100	23.57	0.0073

Method: NIOSH 7400, Issue 2, 08-15-94

Analyst: 
Chuck Callahan

Date: 1/10/2022

Note: Concentrations less than the LOQ and LOD will be reported as less than LOQ. All results will be blank corrected when blanks have been submitted. Samples shall be assumed to be received in acceptable condition unless otherwise noted. Results are based on information supplied by client.