



Environmental Resources Group

3125 Sovereign Drive • Suite B • Lansing, MI • 48911
Phone: 517-999-6020 • Fax: 248-924-3108

April 17, 2025

Brian Lieber
Director of Operations
Okemos Public Schools
4000 Okemos Road
Okemos, Michigan 48864

**RE: Bulk Mold Sampling, New Kitchen Area
Chippewa Middle School, 4000 Okemos Road, Okemos, Michigan
ERG Project No.: 240183**

Dear Mr. Lieber:

Environmental Resources Group, LLC. (ERG) is pleased to provide the following report of findings. As you know, on December 19, 2024, ERG staff conducted bulk sampling of visible mold within the Kitchen Construction area at Chippewa Middle School. The bulk samples were collected using an IMS Tape Lift Sampler. The tape lift samples were submitted to and analyzed in the ERG Indoor Air Quality Laboratory pursuant to the requirements of ASTM International Standard D-7391.

INTERPRETATION OF DATA

Fungal Spores

The results of the tape sample analysis indicated that greater than 1% *Penicillium/Aspergillus* mold spores were observed in the dust.

The tape sample collected from the tectum deck ceiling in the New Kitchen construction area had 60 percent spores in the sample. Highly allergenic *Stachybotrys* spores were found in the collected sample. The roof had been reported to be replaced.

Conclusions

Based on the results of testing, the following conclusions were drawn:

- The tape sample collected on the tectum deck in the construction area (new Kitchen) had elevated spore concentrations (*Stachybotrys* spore concentrations in the sample) and was not considered clean conditions.

Recommendations

Based on the conclusions above the following recommendations are offered:



1. Remove the mold damaged tectum decking in the construction area. This will be removed as part of the renovation of the area.
2. Clean and disinfect surfaces with an EPA registered disinfectant. Allow the area to dry. If remaining surfaces are mold stained, apply a long acting biocidal paint to the surfaces and allow for the areas to dry.
3. Following the additional remediation retain ERG to conduct a final visual inspection in which no visible mold or musty odors are found.

Should you have any questions or need additional information feel free to contact us.

Sincerely,

ENVIRONMENTAL RESOURCES GROUP

A handwritten signature in blue ink that reads "Kristin Peterson".

Kristin Peterson
Senior Industrial Hygienist

Enc



IAQ Surface Sample Analytical Results

ERG Project Number: 240183

Client Name: Okemos Public Schools
Project Name: Chippewa Middle School

Date of Sample Collection: 12/19/2024
Date of Submittal: 12/19/2024
Date of Analysis: 12/19/2024

Report Date: 12/20/2024
Analyst: Kaila Schwanitz

Sample #	1		
Sample Type	Tape Lift		
Sample Location	Visible mold on tectum		
Spores, Pollen, and Other Particulate (In decreasing order of abundance)	Non Fibrous Matter <i>Stachybotrys</i> Hyphal Fragments Cellulose Fibers <i>Aspergillus/Penicillium</i>		
Notes:	This sample contains approximately 60% spores and related structures.		

Surface samples were analyzed pursuant to the requirements of the ASTM International Standard D-7391.



Comments

*Debris rating (% obstructed by particulate matter): 0= no particulate matter detected, 1= >0-5%, 2= 6%-25%, 3= 26%-76%, 4= 75%-90%, 5= >90%. Where debris rating =5, fungal/pollen/other particulate are reported as "present." For debris ratings 2-4, negative bias is expected. The degree of negative bias increases with the percent of the trace that is obstructed.

Samples were received in acceptable condition, unless otherwise indicated. Results relate only to items tested. Results are reported in units of structures per cubic meter of air (s/m³), except blank samples, where the actual number of observed particles are reported. Spore types listed without a count or other data indicate that the specific analyte was not detected during the course of sample analysis. Spores of the genera *Aspergillus* and *Penicillium* are categorized together due to their small size and spherical shape with few distinguishing characteristics. Other similar spores will be categorized as *Aspergillus/Penicillium* unless fruiting bodies allow more precise identifications.

ND= none detected (minimum of 20.3% trace scanned) unless otherwise reported .

Minimum Reporting Limit represents the lowest calculated limit in this report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

Flow Rate is in liters per minute. Time is reported in minutes.

The enclosed data from Environmental Resources Group, LLC (ERG) is for sample(s) collected by our client. The client bears all risk relative to the use of this data, including any course of action or inaction. Further, ERG asserts that the data pertains only to the submitted sample(s). ERG makes no representation or guarantee about the source of the material analyzed, the suitability of the sample size, sample frequency or sample distribution, or the relationship of the submitted sample(s) to the area sampled.

Approved Signatory: _____ 

Date: 12/20/2024



Environmental Resources Group

3125 Sovereign Drive • Suite B • Lansing, MI 48911
Phone: 517-999-6020 • Fax 248-924-3108

Client Name: Okemos Public Schools			MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	PARAMETERS										Matrix Code				
Contact Person: K. Peterson					HOLD SAMPLE	S	Soil	GW	Ground Water										
Project Name/ Number: 240183						A	Air	SW	Surface Water										
Project Location: Chippewa M.S.						O	Oil	W	Wastewater										
Email Distribution List:						B	Bulks	X	Other: Specify										
Phone No.:						Took tape lift of bulk sample - Ks Remarks: Bulk - cooler room													
Purchase Order No.:																			
Date	Time	Sample #	Client Sample Descriptor																
12/19/24		-01	Visible mold on fecum decks	B	1	X													
Comments: Samples received in acceptable condition <input checked="" type="checkbox"/>																			
Sampled/Relinquished By: <i>[Signature]</i>				Date/ Time: 12/19/24 @ 14:58				Received By:											
Relinquished By:				Date/ Time:				Received By:											
Relinquished By:				Date/ Time:				Received By Laboratory: <i>[Signature]</i>											
Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY _____ Same day _____ 1 bus. day _____ 2 bus. days _____ 3 bus. days _____ 4 bus. days _____ 5-7 bus. days (standard) Other (specify time/date requirement): end of day if possible 12/20/24												LAB USE ONLY ERG project number: 240183/0001/0006 Temperature upon receipt at Lab (if applicable):							
Please see back for terms and conditions																			