



AHERA 3-Year Re-Inspection Report  
(July, 2022)

Nazareth Area School District

Inspection: July, 2022  
Report Issued: August, 2022

# AHERA 3-Year Re- Inspection Report (July, 2022)

Prepared for: Nazareth Area School District  
Nazareth, PA

Inspection: July, 2022  
Report Issued: August, 2022

Prepared by: Spotts, Stevens and McCoy



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William M. Katinowsky  
PA Licensed Management Planner (Certification No. #033689)

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SSM File 104016.0020

# AHERA 3-Year Re-inspection July 2022

## Nazareth Area School District

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## **1.0 Introduction and Summary**

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### **Scope of Work**

Spotts, Stevens and McCoy (SSM) was contracted by Nazareth Area School District to conduct an AHERA 3-Year Re-inspection of their facilities. The re-inspection was conducted in accordance with EPA 40 CFR, Part 763, commonly referred to as “AHERA”, and encompassed the following buildings which are under the jurisdiction of Nazareth Area School District:

- Nazareth Area High School
- Kenneth N. Butz Elementary School
- Lower Nazareth Elementary School

### **Methodology for AHERA 3-Year Reinspection**

This 3-Year Re-inspection included the following tasks:

Task 1 - Review previous inspections/reinspections as well as response actions undertaken at the buildings.

Task 2 - Re-inspections of your buildings conducted by EPA AHERA Accredited Building Inspectors (who are also licensed in the same capacity by the Pennsylvania Department of Labor and Industry). During the re-inspections, the building inspectors verified locations and quantities of ACM, noted changes in ACM conditions compared to previous inspections/re-inspections, identified suspect materials that were not previously identified and noted areas where ACM has been removed.

SSM utilized the existing AHERA Management Plans and subsequent 3-Year Re-inspection Reports as a guide for locations, quantifying and assessing ACM. To that end, SSM’s inspectors were only required, per AHERA regulations, to physically inspect and assess known and identified ACM, and therefore, may not have entered all rooms in a building.

Task 3 - Preparation of AHERA 3-Year re-inspection reports which include the following:

- Executive Summary
- Room by Room Inventory of ACM
- Summary of ACM Remaining – Table 4-1
- Recommended Minimum Response Actions – Section 6-1

- Response Actions Taken Since the Previous Re-Inspection – Section 6-2
- Estimated Budgetary Costs for Removal of ACM - Table 7-1

## **Glossary of Terms**

ACM - Asbestos Containing Material

Aircell - A type of corrugated thermal insulation generally performed in sections for piping and vessel insulation. Similar in appearance to corrugated cardboard.

Cal Sil - Short for calcium silicate. This designation is used for any performed, whitish, plaster-like thermal insulation used to insulate piping, or any performed block or curved insulation used to insulate tanks, boilers, flues or ducts. Types of insulation included in this designation are also known as magnesia, performed and hard case insulation.

Fitting Insulation - Also known as insulator's mud. This material is similar to plaster of Paris and is a type of thermal insulation generally shaped by hand to insulate unusual piping shapes such as elbows, fittings and valves. It was also used as a finished coat on other types of insulation such as cal sil, fiberglass and cork.

Friable - Material that, when dry, may be crumbled, pulverized or reduced to powder by hand pressure.

Friable Surfacing ACM - Friable ACM which was used as a surfacing material such as acoustical plaster or fireproofing.

Homogeneous Area - An area that contains material which appears to be uniform in appearance and texture and installed at one time.

Layered Paper - Generally used on low temperature pipes. This insulation has the appearance of multiple layers of craft paper. It was also known as "felt wrap".

Miscellaneous ACM - Material which does not fit under the category of Friable Surfacing ACM or Thermal ACM Insulation.

Non-friable - Material that, when dry, cannot be crumbled, pulverized or reduced to powder by hand pressure.

Thermal Insulation - Insulation such as pipe and boiler insulation whose purpose is to impede the flow of heat.

Transite - This is a product name commonly applied to cementitious types of asbestos board.

Refractory - Cementitious thermal insulation predominantly used in boiler fire boxes.

VAT - Vinyl Asbestos Tile - Common sizes are 9" x 9" and 1' x 1' but it also occurs as 6" x 6".

### **Asbestos Exposure Assessment Algorithm Variables**

DC - Damaged Condition

DC Values

- 0,1,2 Undamaged material.
- 3,5 Damaged material.
- 7,10 Significantly damaged material

E - Exposure factor.

AT - Level of activity within a functional area.

AF - Airflow factor.

PD - Potential of future damage.

PD Values

- 0,1 No potential damage.
- 2,3 Potential damage.
- 4,5 Potential significant damage.

F - Friability factor. A value of 3 or above means this material is friable. Below 3, the material is non-friable.

PA - Percent asbestos.

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## **2.0 Building Reports**

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Each individual building will follow with the following headings:

- Executive Summary
- Summary of Remaining Asbestos Containing Materials (ACM) and Location (Table 4-1)
- Room By Room Inventory of ACM
- Response Actions (Table 6-1)
- Response Actions Taken Since Previous Re-inspection (Table 6-2)
- Estimated Budgetary Costs for Removal of ACM (Table 7-1)
- Accreditations



## **July, 2022 - AHERA 3-Year Re-Inspection Report**

### **Nazareth Area High School**

501 East Center Street  
Nazareth, PA 18604

Prepared for:

### **Nazareth Area School District**

One Education Plaza  
Nazareth, PA 18064

Prepared by:

### **Spotts, Stevens and McCoy**

1047 North Park Road  
Reading, PA 19610  
SSM Project 104016.0020

**Inspected by:**

A handwritten signature in black ink, appearing to read "William M. Katinowsky", written over a horizontal line.

**William M. Katinowsky**  
**PA Licensed Management Planner (#033689)**



**NAZARETH AREA SCHOOL DISTRICT**  
**NAZARETH AREA HIGH SCHOOL**  
**AHERA 3-YEAR RE- INSPECTION REPORT**  
**JULY 2022**

**EXECUTIVE SUMMARY**

The AHERA 3-Year Re-Inspection of the Nazareth Area High School was conducted by Mr. William M. Katinowsky on July 7, 2022. Mr. Katinowsky is an EPA AHERA accredited Building Inspector (BI), who is also licensed in the same capacity by the Pennsylvania Department of Labor and Industry (PaDLI). The inspection was performed in accordance with EPA 40 CFR, Part 763, which is commonly referred to as AHERA.

During the re- inspection, Mr. Katinowsky identified and assessed the condition of all known ACM, as noted in the previous inspections and re-inspections. There were no damaged materials found during this inspection. In areas where SSM could not identify ACM, as noted in the previous inspections and re-inspections, a note was added in the “comments” section of the room-by-room computer inventory.

**BULK SAMPLING**

There were no bulk samples collected during this inspection.

**RESPONSE ACTIONS**

An estimated 5,635 square feet of asbestos-containing floor tile and associated mastic were removed from Rooms 221, 222, 223, 224, 225 and 349 during June/July of 2022. The removal was performed by ACI and the air sampling was performed by Atlas Environmental and the results were submitted to NASD by and are included in this report.

Approximately 3 square feet of damaged transite was cleaned & repaired inside the Stage Storage above the steps on both sides of the Stage. The clean-up was done by ACI in June of 2022.

An estimated 5,325 square feet of asbestos-containing floor tile and associated mastic were removed from Rooms 214, 215, 216, 344, 345 and 346 during June/July of 2021. The removal was performed by ACI and the air sampling was performed by Atlas Environmental and results submitted to NASD by Atlas Environmental.

## **CONCLUSION**

There were no additional changes in condition and/or quantity of ACM discovered during this inspection. Continue to handle existing ACM in accordance with your current Operations and Maintenance (O&M) Plan. We also remind you to continue to provide maintenance and custodial staff with annual asbestos awareness training, continue to provide annual notification to building staff, parents and guardians, and to assure that copies of all inspection reports and AHERA documentation are maintained in your central AHERA files **and** at each individual school (Main Office in a location that is easily accessible by office staff).

**Table 4-1: Nazareth Area School District - Nazareth Area High School**

<b><u>Material &amp; Location</u></b>	<b><u>Type</u></b>	<b><u>Quantity</u></b>
Throughout Building 9" x 9" Floor Tile and Mastic	M	6,245 S.F.
Storage at 216 1'x1' Floor Tile and Mastic	M	200 S.F.
Entrance to Boiler Room and Pipe Chases Thermal Pipe Insulation* (Quantities in Chases are unknown)	T	10 L.F.
Boiler Room Hard Ceiling Plaster*	M	2,000 S.F.
375 LGI Roof Drain Fitting Insulation	T	2 EA.
Stage Storage above Steps Transite Panels*	M	600 S.F.

\*=Material is *assumed* to contain asbestos

S.F.= Square feet

L.F.= Linear feet

M = Miscellaneous

T = Thermal

**Nazareth Area High School: July, 2022 3-Year Re-inspection Room-by-Room Inventory of Asbestos-containing Materials**

Level	Room	Description	Quantity	LS	DC	E	AT	AF	PD	F	Comments
Lower	Entrance to Boiler Room	Thermal Pipe Insulation	10	L	1	2	1	1	3	3	Assumed, added 10/15
Throughout	Pipe Chases	Thermal Pipe Insulation	Unknown	L	1	0	0	1	2	1	Assumed, not visible

**Abated or Non Detected**

Lower	203	9"x9" Tan/Brown Floor Tile and Mastic	0	S	0	0	0	0	0	0	965 S.F. abated summer 2020
Lower	204	9"x9" Tan/Brown Floor Tile and Mastic	0	S	0	0	0	0	0	0	965 S.F. abated summer 2020
Lower	205	9"x9" Tan/Brown Floor Tile and Mastic	0	S	0	0	0	0	0	0	965 S.F. abated summer 2020
Lower	206	9"x9" Tan/Brown Floor Tile and Mastic	0	S	0	0	0	0	0	0	965 S.F. abated summer 2020
Lower	207	9"x9" Tan/Brown Floor Tile and Mastic	0	S	0	0	0	0	0	0	965 S.F. abated summer 2020
Lower	214	9"x9" Tan Floor Tile and Mastic	0	S	0	0	0	0	0	0	965 S.F. abated Summer 2021
Lower	215	9"x9" Gray Floor Tile and Mastic	0	S	0	0	0	0	0	0	965 S.F. abated Summer 2021
Lower	216	9"x9" Tan Floor Tile and Mastic	0	S	0	0	0	0	0	0	965 S.F. abated Summer 2021
<b>Lower</b>	<b>221</b>	<b>9"x9" Tan Floor Tile and Mastic</b>	<b>0</b>	<b>S</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>965 S.F. abated summer 2022</b>
<b>Lower</b>	<b>222</b>	<b>9"x9" Tan Floor Tile and Mastic</b>	<b>0</b>	<b>S</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>965 S.F. abated summer 2022</b>
<b>Lower</b>	<b>223</b>	<b>9"x9" Tan Floor Tile and Mastic</b>	<b>0</b>	<b>S</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>965 S.F. abated summer 2022</b>
<b>Lower</b>	<b>224</b>	<b>9"x9" Green Floor Tile and Mastic</b>	<b>0</b>	<b>S</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>965 S.F. abated summer 2022</b>
<b>Lower</b>	<b>225</b>	<b>9"x9" Tan Floor Tile and Mastic</b>	<b>0</b>	<b>S</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>965 S.F. abated summer 2022</b>
Upper	344	9"x9" Floor Tile and Mastic	0	S	0	0	0	0	0	0	810 SF abated Summer 2021
Upper	345	9"x9" Floor Tile and Mastic	0	S	0	0	0	0	0	0	810 SF abated Summer 2021
Upper	346	9"x9" Floor Tile and Mastic	0	S	0	0	0	0	0	0	810 SF abated Summer 2021
<b>Upper</b>	<b>349</b>	<b>9"x9" Floor Tile and Mastic</b>	<b>0</b>	<b>S</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>810 S.F. abated summer 2022</b>
Upper	362	1'x1' Tan Floor Tile and Mastic	0	S	0	0	0	0	0	0	Non-ACM, replaced
Upper	363	1'x1' Tan Floor Tile and Mastic	0	S	1	0	2	0	2	1	Non-ACM, sampled 7/16

\* = Assumed to contain asbestos

**Bold Type** indicates changes in quantity or condition of material

**Nazareth Area High School: July, 2022 3-Year Re-inspection Room-by-Room Inventory of Asbestos-containing Materials**

Level	Room	Description	Quantity	LS	DC	E	AT	AF	PD	F	Comments
Lower	Custodial Closet near 201	9"x9" Green Floor Tile and Mastic	43	S	1	0	2	0	2	1	
Lower	Custodial Closet near 201	9"x9" Green Floor Tile and Mastic	2	S	2	0	2	0	2	1	Piece missing
Lower	208	9"x9" Floor Tile and Mastic	173	S	1	0	2	0	2	1	
Lower	208	9"x9" Floor Tile and Mastic	2	S	2	0	2	0	2	1	Few missing pieces
Lower	Storage near 216	1'x1' Floor Tile and Mastic	200	S	1	0	2	0	2	1	
Lower	226	9"x9" Tan Floor Tile and Mastic	144	S	1	0	2	0	2	1	Few gouges
Lower	Planetarium Foyer	9"x9" Tan Floor Tile and Mastic	25	S	1	0	2	0	2	1	
Lower	Boiler Room	Hard Ceiling Material	2,000	S	1	2	2	1	2	1	Assumed, sample before disturbance
Lower	JC-7 Custodial Closet	9"x9" Tan Floor Tile and Mastic	100	S	1	0	2	0	2	1	
Lower	Gym Storage Room	9"x9" Green Floor Tile and Mastic	320	S	1	0	2	0	2	1	May be 2 layers
Lower	Ticket Booth	9"x9" Green Floor Tile and Mastic	35	S	1	0	2	0	2	1	Discovered August 2016
Upper	342	9"x9" Green Floor Tile and Mastic	175	S	1	0	2	0	2	1	Former Room 21
Upper	343	9"x9" Floor Tile and Mastic	810	S	1	0	2	0	2	1	Former Room 22, scratches on floor
Upper	350	9"x9" Tan Floor Tile and Mastic	835	S	1	0	2	0	2	1	Few cracks, showing wear at desk
Upper	351	9"x9" Floor Tile and Mastic	260	S	1	0	2	0	2	1	Under carpet
Upper	352	9"x9" Floor Tile and Mastic	806	S	1	0	2	0	2	1	
Upper	352	9"x9" Orange Floor Tile and Mastic	4	S	2	0	2	0	2	1	Cracks & gouges
Upper	353	9"x9" Tan Floor Tile and Mastic	833	S	1	0	2	0	2	1	
Upper	353	9"x9" Floor Tan Tile and Mastic	2	S	2	0	2	0	2	1	Slight damage at door
Upper	354	9"x9" Orange Floor Tile and Mastic	835	S	1	0	2	0	2	1	Showing wear at desk
Upper	375 LGI	Roof Drain Fittings	2	Ea	0	3	2	1	2	3	
Upper	375 LGI Loft	9"x9" Green Floor Tile and Mastic	500	S	1	0	2	0	2	1	
Upper	LGI Room Ramp	9"x9" Red Floor Tile and Mastic	180	S	1	0	2	0	2	1	
Upper	LGI Room Ramp	9"x9" Red Floor Tile and Mastic	1	S	2	0	2	0	2	1	Loose tile near top of ramp
Upper	Stage Storage above Steps	Transite Panels	327	S	0	1	0	1	2	1	Stage Right
<b>Upper</b>	<b>Stage Storage above Steps</b>	<b>Transite Panels</b>	<b>3</b>	<b>S</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>Stage Right, repaired Summer 2022</b>
Upper	Stage Storage above Steps	Transite Panels	328	S	2	1	0	1	2	1	Stage Left
Upper	Stage Storage above Steps	Transite Panels	2	S	2	1	0	1	2	1	Stage Left, broken
Upper	Closet adjacent to Phone Booth	9"x9" Green Floor Tile and Mastic	115	S	1	0	2	0	2	1	
Upper	JC-1 Custodial Closet	9"x9" Floor Tile and Mastic	45	S	0	0	2	0	2	1	Beneath new tile

\* = Assumed to contain asbestos

**Bold Type** indicates changes in quantity or condition of material

**Section 6-1: Recommended Minimum Response Actions for the Nazareth Area High School**

<b><u>Material &amp; Location</u></b>	<b><u>Quantity</u></b>	<b><u>Response Action</u></b>
Throughout Building 9" x 9" Floor Tile and Mastic	6,245 S.F.	Handle Under O&M Program
Storage at 216 1'x1' Floor Tile and Mastic	200 S.F.	Handle Under O&M Program
Entrance to Boiler Room and Pipe Chases Thermal Pipe Insulation* (Quantities in Chases are unknown)	10 L.F.	Handle Under O&M Program
Boiler Room Hard Ceiling Plaster*	2,000 S.F.	Handle Under O&M Program
375 LGI Roof Drain Fitting Insulation	2 EA.	Handle Under O&M Program
Stage Storage above Steps Transite Panels	660 S.F.	Handle Under O&M Program

\*=Material is *assumed* to contain asbestos

S.F.= Square feet

L.F. = Linear Feet

## SECTION 6-2

### NAZARETH AREA SCHOOL DISTRICT NAZARETH AREA HIGH SCHOOL

#### RESPONSE ACTIONS TAKEN SINCE THE PREVIOUS RE-INSPECTION

The following response actions were taken in the Nazareth Area High School since the previous AHERA 3-year re-inspection:

Removal of:

1. Approximately four thousand eight hundred twenty five (4,825) square feet of asbestos-containing floor tile and associated mastic from Rooms 203, 204, 205, 206 and 207.

Dates of Work	Summer 2020
Abatement Contractor	ACI-Tech, Inc., Inc. 2300 W 4 <sup>th</sup> Street Chester, PA
Air Monitoring	Air monitoring was performed by Atlas Environmental Inspections, Philadelphia, PA

2. Approximately five thousand three hundred twenty five (5,325) square feet of asbestos-containing floor tile and associated mastic from Rooms 214, 215, 215, 344, 345 and 346

Dates of Work	Summer 2021
Abatement Contractor	ACI-Tech, Inc., Inc. 2300 W 4 <sup>th</sup> Street Chester, PA
Air Monitoring	Air monitoring was performed by Atlas Environmental Inspections, Philadelphia, PA

3. Approximately five thousand six hundred thirty five (5,635) square feet of asbestos-containing floor tile and associated mastic from Rooms 221, 222, 223, 224, 225 and 349.

Dates of Work	Summer 2022
Abatement Contractor	ACI-Tech, Inc., Inc. 2300 W 4 <sup>th</sup> Street Chester, PA
Air Monitoring	Air monitoring was performed by Atlas Environmental Inspections, Philadelphia, PA

4. Approximately three (3) square feet of damaged transite panels were repaired in the Stage Storage areas above the steps to the Stage.

Dates of Work

Summer 2022

Abatement Contractor

ACI-Tech, Inc., Inc.  
2300 W 4<sup>th</sup> Street  
Chester, PA

Air Monitoring

Air monitoring was performed by Atlas  
Environmental Inspections, Philadelphia, PA



**TABLE 7-1**

**NAZARETH AREA SCHOOL DISTRICT  
NAZARETH AREA HIGH SCHOOL  
ESTIMATED BUDGETARY COSTS FOR REMOVAL**

<b>Material</b>	<b>Quantity</b>	<b>Removal &amp; Replacement</b>
9" x 9" Floor Tile and Mastic	6,245 S.F.	\$65,000
1'x1' Floor Tile and Mastic	200 S.F.	\$2,000
Thermal Pipe Insulation* (Quantities in Chases are unknown)	10 L.F.	\$300
Hard Ceiling Plaster*	2,000 S.F.	\$28,000
Roof Drain Fitting Insulation	2 EA.	\$300
Transite Panels	600 S.F.	\$7,000
	<b>Total</b>	<b>\$102,000</b>



ATLAS ENVIRONMENTAL INSPECTIONS

## ATLAS Environmental Inspections

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July 19, 2022

Nazareth High School  
Attention: SJ. Thomas  
Project: Nazareth High school  
Nazareth, PA 18064

Attention: SJ. Thomas

This letter is to describe the services that were performed by ATLAS Environmental Inspections. ATLAS was retained by SJ Thomas to perform a TEM asbestos air test in classroom 221 to determine if there were potential asbestos fibers in the air after abatement had taken place.

The TEM test was analyzed by EMSL Analytical Plymouth Meeting. A licensed AIHA accredited third party laboratory. The TEM results show No Asbestos was Detected in the above classroom.

If you have any questions regarding this analysis report, please feel free to contact me at any time.

Respectfully,

Jason Dua

A handwritten signature in black ink that reads "Jason Dua".

Asbestos Project Inspector# 2013-009

PA AHERA Asbestos Building Inspector # 047300

ATLAS Environmental Inspections



# EMSL Analytical, Inc.

5221 Militia Hill Road Plymouth Meeting, PA 19462  
Tel/Fax: (610) 828-3102 / (610) 828-3122  
<http://www.EMSL.com> / [plymouthmeetinglab@emsl.com](mailto:plymouthmeetinglab@emsl.com)

EMSL Order: 182202353  
Customer ID: ATLE34  
Customer PO:  
Project ID:

**Attention:** Jason Dua  
Atlas Environmental Inspections  
PO Box 11645  
Philadelphia, PA 19116  
**Phone:** (267) 784-4693  
**Fax:**  
**Received Date:** 07/11/2022 09:00 AM  
**Analysis Date:** 07/12/2022  
**Collected Date:** 07/08/2022  
**Project:** NAZARETH SCHOOL - ROOM 221

## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm <sup>2</sup> )	Non Asb	Asbestos Type(s)	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5μ	≥5μ		(S/mm <sup>2</sup> )	(S/cc)
7-8-1	ROOM 221 - MIDDLE OF ROOM	1800.00	0.0520	0	None Detected	0	0	0.0041	<19.00	<0.0041
<i>182202353-0001</i>										
7-8-2	ROOM 221 - RIGHT SIDE ADJ TO WHITE BOARD	1800.00	0.0520	0	None Detected	0	0	0.0041	<19.00	<0.0041
<i>182202353-0002</i>										
7-8-3	ROOM 221 - BACK CORNER ADJ TO WINDOW	1800.00	0.0520	0	None Detected	0	0	0.0041	<19.00	<0.0041
<i>182202353-0003</i>										

Analyst(s)

Kevin Ream (3)

Kevin Ream, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. Results reported in structures/cm3 are not covered by the laboratory's NVLAP accreditation. Measurement of uncertainty available upon request.

Samples analyzed by EMSL Analytical, Inc. Plymouth Meeting, PA NVLAP Lab Code 200699-0, Philadelphia ALL-292, VA 3333000315, AIHA-LAP, LLC IHLAP #178659

Initial report from: 07/12/2022 09:02 AM



ATLAS ENVIRONMENTAL INSPECTIONS

## ATLAS Environmental Inspections

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July 07, 2022

Nazareth High School  
Attention: SJ. Thomas  
Project: Nazareth High school  
Nazareth, PA 18064

Attention: SJ. Thomas

This letter is to describe the services that were performed by ATLAS Environmental Inspections. ATLAS was retained by SJ Thomas to perform a TEM asbestos air test in classrooms 224,225, to determine if there were potential asbestos fibers in the air after abatement had taken place.

The TEM test was analyzed by EMSL Analytical Plymouth Meeting. A licensed AIHA accredited third party labortary. The TEM results show No Asbestos was Detected in the above classrooms.

If you have any questions regarding this analysis report, please feel free to contact me at any time.

Respectfully,

Jason Dua

A handwritten signature in black ink that reads "Jason Dua".

Asbestos Project Inspector# 2013-009

PA AHERA Asbestos Building Inspector # 047300

ATLAS Environmental Inspections



# EMSL Analytical, Inc.

5221 Militia Hill Road Plymouth Meeting, PA 19462  
Tel/Fax: (610) 828-3102 / (610) 828-3122  
<http://www.EMSL.com> / [plymouthmeetinglab@emsl.com](mailto:plymouthmeetinglab@emsl.com)

EMSL Order: 182202262  
Customer ID: ATLE34  
Customer PO:  
Project ID:

**Attention:** Jason Dua  
Atlas Environmental Inspections  
PO Box 11645  
Philadelphia, PA 19116  
**Phone:** (267) 784-4693  
**Fax:**  
**Received Date:** 07/01/2022 17:00 PM  
**Analysis Date:** 07/06/2022  
**Collected Date:**  
**Project:** NAZARETH HIGH SCHOOL - ROOM 224-225

## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Appendix A to Subpart E

Sample	Location	Volume (Liters)	Area Analyzed (mm <sup>2</sup> )	Non Asb	Asbestos Type(s)	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5μ	≥5μ		(S/mm <sup>2</sup> )	(S/cc)
7-1-1	ROOM 224 ADJ TO ENTRANCE	1800.00	0.0520	0	None Detected	0	0	0.0041	<19.00	<0.0041
182202262-0001										
7-1-2	ROOM 224 ADJ TO WINDOWS	1800.00	0.0520	0	None Detected	0	0	0.0041	<19.00	<0.0041
182202262-0002										
7-1-3	ROOM 224 MIDDLE OF ROOM	1800.00	0.0520	0	None Detected	0	0	0.0041	<19.00	<0.0041
182202262-0003										
7-1-4	ROOM 225 MIDDLE OF ROOM	1800.00	0.0520	0	None Detected	0	0	0.0041	<19.00	<0.0041
182202262-0004										
7-1-5	ROOM 225 ADJ TO ENTRANCE	1800.00	0.0520	0	None Detected	0	0	0.0041	<19.00	<0.0041
182202262-0005										
7-1-6	ROOM 225 ADJ TO WINDOWS	1800.00	0.0520	0	None Detected	0	0	0.0041	<19.00	<0.0041
182202262-0006										

Analyst(s)

Kevin Ream (6)

Kevin Ream, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. Results reported in structures/cm3 are not covered by the laboratory's NVLAP accreditation. Measurement of uncertainty available upon request.

Samples analyzed by EMSL Analytical, Inc. Plymouth Meeting, PA NVLAP Lab Code 200699-0, Philadelphia ALL-292, VA 3333000315, AIHA-LAP, LLC IHLAP #178659

Initial report from: 07/06/2022 11:22 AM

## Accreditations



## **July, 2022 - AHERA 3-Year Re-Inspection Report**

### **Kenneth N. Butz Jr. Elementary School**

960 Bushkill Center Road

Nazareth, PA 18064

Prepared for:

### **Nazareth Area School District**

One Education Plaza

Nazareth, PA 18064

Prepared by:

### **Spotts, Stevens and McCoy**

1047 North Park Road

Reading, PA 19610

SSM Project 104016.0020

**Inspected by:**

A handwritten signature in black ink, appearing to read "W. Katinowsky", written over a horizontal line.

**William M. Katinowsky**

**PA Licensed Management Planner (#033689)**

**NAZARETH AREA SCHOOL DISTRICT**  
**KENNETH N. BUTZ JR. ELEMENTARY SCHOOL**  
**AHERA 3-YEAR RE- INSPECTION REPORT**  
**JULY 2022**

**EXECUTIVE SUMMARY**

The AHERA 3-Year Re-Inspection of the Kenneth N. Butz Jr. Elementary School was conducted by Mr. William M. Katinowsky on July 7, 2022. Mr. Katinowsky is an EPA AHERA accredited Building Inspector (BI), who is also licensed in the same capacity by the Pennsylvania Department of Labor and Industry (PaDLI). The inspection was performed in accordance with EPA 40 CFR, Part 763, which is commonly referred to as AHERA.

During the re- inspection, Mr. Kuchinski identified and assessed the condition of all known ACM, as noted in the previous inspections and re-inspections. There were no damaged materials found during this inspection. In areas where SSM could not identify ACM, as noted in the previous inspections and re-inspections, a note was added in the “comments” section of the room-by-room computer inventory.

**BULK SAMPLING**

There were no bulk samples collected during this inspection.

**RESPONSE ACTIONS**

Caulking was added to “drill holes” identified in the wall plaster during the February, 2022 6-Month Surveillance Inspection.

The following response action was highlighted in February, 2022 6-Month Surveillance Inspection:

Removal of asbestos containing floor tile, mastic, asbestos-containing wall plaster and blackboard/tack board adhesive.

Contractor, Prism Response, LLC, 70 Hillside Drive, Suite 200, Drums PA, 18222

Landfill, Amelia Landfill, 20221 Maplewood Road, Jetersville VA, 23083

Transport, N.E.T.S., 326 South Church St., Hazleton PA, 18201

Air monitoring was performed Spots, Stevens and McCoy, INC, 1047 North Park Road, Wyomissing PA, 19610, Reference report 104016.0017, dated August 23, 2021.

There were no other response actions taken in the Kenneth N. Butz Jr. Elementary School since the previous 3-year AHERA Re-inspection and/or 6-Month Surveillance Inspection.



## **CONCLUSION**

There were no changes in condition and/or quantity of ACM discovered during this re-inspection. Continue to handle existing ACM in accordance with your current Operations and Maintenance (O&M) Plan. We also remind you to continue to provide maintenance and custodial staff with annual asbestos awareness training, continue to provide annual notification to building staff, parents and guardians, and to assure that copies of all inspection reports and AHERA documentation are maintained in your central AHERA files **and** at each individual school (Main Office in a location that is easily accessible by office staff).

**Table 4-1: Nazareth Area School District - Lower Nazareth Elementary School**

<b><u>Material &amp; Location</u></b>	<b><u>Type</u></b>	<b><u>Quantity</u></b>
Throughout Building 1'x1' Floor Tile and Mastic	M	400 S.F.
Throughout Building Floor Tile Mastic under Carpet & New Tile	M	Unknown

S.F.= Square feet

M = Miscellaneous  
T = Thermal

**Butz (Bushkill) Elementary School: July 2022 3-Year Re-inspection Room-by-Room Inventory of Asbestos-containing Materials**

Floor	Room	Description	Quantity	LS	DC	E	AT	AF	PD	F	Comments
1	Cafeteria	1'x1' Tan Floor Tile and Mastic	2,479	S	1	0	2	0	2	1	Some scratches and gouges
1	Cafeteria	1'x1' Tan Floor Tile and Mastic	6	S	2	0	2	0	2	1	Few cracks
1	Café Kitchen Hallway	1'x1' Tan Floor Tile and Mastic	540	S	1	0	2	0	2	1	
<b>1</b>	<b>Be Safe Storage</b>	<b>9"x9" Brown Floor Tile and Mastic</b>	<b>0</b>	<b>S</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>204 SF abated June, 2021</b>
1	106	1'x1' Beige Floor Tile and Mastic	525	S	1	0	2	0	2	1	Under Carpet
1	108	1'x1' Beige Floor Tile and Mastic	100	S	1	0	2	0	2	1	
1	109	1'x1' Brown Floor Tile and Mastic	925	S	1	0	2	0	2	1	
1	110	1'x1' Beige Floor Tile and Mastic	100	S	1	0	2	0	2	1	
<b>1</b>	<b>110</b>	<b>Original Wall Plaster</b>	<b>1</b>	<b>S</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>Hole repaired</b>
1	111	1'x1' Beige Floor Tile and Mastic	100	S	1	0	2	0	2	1	
1	112	1'x1' Beige Floor Tile and Mastic	100	S	1	0	2	0	2	1	
1	203	1'x1' Tan Floor Tile and Mastic	100	S	1	0	2	0	2	1	
1	204	1'x1' Tan Floor Tile and Mastic	100	S	1	0	2	0	2	1	
1	205	1'x1' Tan Floor Tile and Mastic	100	S	1	0	2	0	2	1	
1	206	1'x1' Tan Floor Tile and Mastic	100	S	1	0	2	0	2	1	
1	207	1'x1' Tan Floor Tile and Mastic	100	S	1	0	2	0	2	1	
1	208	1'x1' Orange Floor Tile and Mastic	30	S	1	0	2	0	2	1	
1	209	1'x1' Orange Floor Tile and Mastic	25	S	1	0	2	0	2	1	
1	210	1'x1' Orange Floor Tile and Mastic	25	S	1	0	2	0	2	1	
1	301	1'x1' Tan Floor Tile and Mastic	0	S	0	0	0	0	0	0	100 SF removed , September 2020
1	302	1'x1' Tan Floor Tile and Mastic	100	S	1	0	2	0	2	1	
1	303	1'x1' Tan Floor Tile and Mastic	100	S	1	0	2	0	2	1	
1	304	1'x1' Tan Floor Tile and Mastic	100	S	1	0	2	0	2	1	Mastic verified as asbestos-containing 7/20
1	305	1'x1' Tan Floor Tile and Mastic	100	S	1	0	2	0	2	1	
1	306	1'x1' Tan Floor Tile and Mastic	100	S	1	0	2	0	2	1	
1	307	1'x1' Tan Floor Tile and Mastic	100	S	1	0	2	0	2	1	
1	308	1'x1' Tan Floor Tile and Mastic	100	S	1	0	2	0	2	1	
1	309	1'x1' Tan Floor Tile and Mastic	100	S	1	0	2	0	2	1	
1	103 Health Suite	1'x1' Beige Floor Tile and Mastic	990	S	1	0	2	0	2	1	Few cracks
1	Speech Room (202)	1'x1' Tan Floor Tile and Mastic	125	S	1	0	2	0	2	1	
1	Throughout	Original Wall Plaster	Unknown	S	1	4	2	1	2	1	Some behind drywall , added July, 2020
<b>1</b>	<b>Office Corridor</b>	<b>Original Wall Plaster</b>	<b>Small Holes</b>	<b>S</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>Some drill holes, repaired</b>
1	Throughout	Black Mastic under Carpet or Tile	Unknown	S	1	0	2	0	2	1	Suggest sampling prior to any renovations
1	Office Area, Meeting Room, Room 104	Black Mastic under Carpet or Tile	1,800	S	0	0	0	0	0	0	Abated June, 2021
1	Office & Corridor	Original Wall Plaster	1,200	S	0	0	0	0	0	0	Abated June, 2021

**Butz (Bushkill) Elementary School: July 2022 3-Year Re-inspection Room-by-Room Inventory of Asbestos-containing Materials**

1	Air Handler Room	Vibration Cloth	0	S	0	0	0	0	0	0	0	Sampled and shown to be Non-ACM
1	Air Handler Room	Duct Wrap Insulation	0	S	0	0	0	0	0	0	0	Sampled and shown to be Non-ACM
1	Gymnasium	Sprayed-on Fireproofing	0	S	0	0	0	0	0	0	0	Sampled and shown to be Non-ACM

**Section 6-1: Recommended Minimum Response Actions for the Kenneth N. Butz Elementary School**

<b><u>Material &amp; Location</u></b>	<b><u>Quantity</u></b>	<b><u>Response Action</u></b>
Throughout Building 1'x1' Floor Tile and Mastic	7,370 S.F.	Handle Under O&M Program
Throughout Building Original Wall Plaster	Unknown	Handle Under O&M Program

\*=Material is *assumed* to contain asbestos

S.F.= Square feet

L.F. = Linear Feet

## SECTION 6-2

### NAZARETH AREA SCHOOL DISTRICT KENNETH N. BUTZ ELEMENTARY SCHOOL

#### RESPONSE ACTIONS TAKEN SINCE THE PREVIOUS RE-INSPECTION

The following response actions were taken in the Kenneth E. Butz Elementary School since the previous AHERA 3-year re-inspection:

Removal of:

1. Approximately 1,200 square feet of asbestos-containing wall plaster, asbestos-containing black mastic located beneath carpet or tile in the Office Area and Speech Room, 506 square feet of floor tile and associated mastic from Room 301 and Be Safe Room.

Dates of Work	September 20, 2020 through July 8, 2021
Abatement Contractor	Prism Response 70 Hillside Drive Drums, PA
Landfill Information	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA
Transporter	N.E.T.S., Inc. 326 S. Church Street Hazleton, PA
Air Monitoring	Air monitoring was performed SSM. Reference All reports for SSM Project Number 104016.0017.

**TABLE 7-1**

**NAZARETH AREA SCHOOL DISTRICT  
KENNETH N. BUTZ ELEMENTARY SCHOOL  
ESTIMATED BUDGETARY COSTS FOR REMOVAL**

<b>Material</b>	<b>Quantity</b>	<b>Remove</b>
1'x1' Floor Tile and Mastic	7,370 S.F.	\$74,000
Original Wall Plaster	Unknown	Estimated \$15/SF
	<b>Total</b>	<b>\$65,400</b>

## Accreditations





## **July, 2022 - AHERA 3-Year Re-Inspection Report**

### **Lower Nazareth Elementary School**

4422 Newburg Road  
Nazareth, PA 18064

Prepared for:

### **Nazareth Area School District**

One Education Plaza  
Nazareth, PA 18064

Prepared by:

### **Spotts, Stevens and McCoy**

1047 North Park Road  
Reading, PA 19610  
SSM Project 104016.0020

**Inspected by:**

A handwritten signature in black ink, appearing to read "W. Katinowsky", written over a horizontal line.

---

**William M. Katinowsky**  
**PA Licensed Management Planner (#033689)**

**NAZARETH AREA SCHOOL DISTRICT  
LOWER NAZARETH ELEMENTARY SCHOOL  
AHERA 3-YEAR RE- INSPECTION REPORT  
JULY 2019**

**EXECUTIVE SUMMARY**

The AHERA 3-Year Re-Inspection of the Lower Nazareth Elementary School was conducted by Mr. William M. Katinowsky on July 7, 2022. Mr. Katinowsky is an EPA AHERA accredited Building Inspector (BI), who is also licensed in the same capacity by the Pennsylvania Department of Labor and Industry (PaDLI). The inspection was performed in accordance with EPA 40 CFR, Part 763, which is commonly referred to as AHERA.

During the re- inspection, Mr. Kuchinski identified and assessed the condition of all known ACM, as noted in the previous inspections and re-inspections. There were no damaged materials found during this inspection. In areas where SSM could not identify ACM, as noted in the previous inspections and re-inspections, a note was added in the “comments” section of the room-by-room computer inventory.

**BULK SAMPLING**

There were no bulk samples collected during this inspection.

**RESPONSE ACTIONS**

Action 1: Approximately 500 square feet of asbestos-containing floor tile and associated mastic were removed from the Corridor near the Cafeteria bathrooms. Safeway Environmental was the abatement contractor. The abatement took place on June 13, 2022. Air Sampling was performed by SSM, 1047 North Park Road, Wyomissing PA, 19610. Reference report 104016.0020, dated June 17, 2022.

The Following was Highlighted in the February, 2022 6-Month Surveillance Report:

Removal of asbestos containing floor tile, mastic and blackboard/tack board mastic.  
Contractor, Prism Response, LLC, 70 Hillside Drive, Suite 200, Drums PA, 18222  
Landfill, Amelia Landfill, 20221 Maplewood Road, Jetersville VA, 23083  
Transport, N.E.T.S., 326 South Church St., Hazleton PA, 18201

Air monitoring was performed Spots, Stevens and McCoy, INC., 1047 North Park Road, Wyomissing PA, 19610, Reference report 104016.0017, dated August 23, 2021.

### **CONCLUSION**

There were no other changes in condition and/or quantity of ACM discovered during this re-inspection. Continue to handle existing ACM in accordance with your current Operations and Maintenance (O&M) Plan. We also remind you to continue to provide maintenance and custodial staff with annual asbestos awareness training, continue to provide annual notification to building staff, parents and guardians, and to assure that copies of all inspection reports and AHERA documentation are maintained in your central AHERA files **and** at each individual school (Main Office in a location that is easily accessible by office staff).

**Lower Nazareth Elementary School: July 2022 3-Year Re-inspection Room-by-Room Inventory of Asbestos-containing Materials**

Floor	Room	Description	Quantity	LS	DC	E	AT	AF	PD	F	Comments
1	Cafeteria	1' x 1' Tan & Brown Floor Tile and Mastic	0	S	0	0	0	0	0	0	2525 SF abated June, 2021
1	Throughout	Blackboard/Tack Board Mastic	Unknown	S	0	0	0	0	2	1	Suggest sampling prior to renovations
1	Electric Room	1' x 1' Tan & Brown Floor Tile and Mastic	200	S	1	0	2	0	2	1	Formerly Room 226
1	School Store	1' x 1' Tan & Brown Floor Tile and Mastic	200	S	1	0	2	0	2	1	Formerly Room 227
1	Hallway by Electric Room	1' x 1' Tan & Brown Floor Tile and Mastic	0	S	0	0	0	0	0	0	500 S.F. abated June 2022
1	Hallway, Front Foyer	1' x 1' Tan & Brown Floor Tile and Mastic	0	S	0	0	0	0	0	0	2525 SF abated June, 2021
1	Health Room	1' x 1' Tan & Brown Floor Tile and Mastic	0	S	0	0	0	0	0	0	635 SF abated June, 2021
1	Main Office	Black Mastic under Blue 1'x1' Floor Tile	0	S	0	0	0	0	0	0	500 SF abated June, 2021
1	Room 204	Black Mastic Under Carpet or New Tile	0	S	0	0	0	0	0	0	900 SF abated June 2021
1	Throughout	Black Mastic Under Carpet or New Tile	Unknown	S	1	0	2	0	2	1	Suggest sampling prior to renovations

**Section 6-1: Recommended Minimum Response Actions for the Lower Nazareth Elementary School**

<b><u>Material &amp; Location</u></b>	<b><u>Quantity</u></b>	<b><u>Response Action</u></b>
Throughout Building 1'x1' Floor Tile and Mastic	400 S.F.	Handle Under O&M Program
Throughout Building Black Mastic under Carpet & New Tile*	Unknown	Handle Under O&M Program

S.F.= Square feet

\*Sample before disturbance

## SECTION 6-2

### NAZARETH AREA SCHOOL DISTRICT LOWER NAZARETH ELEMENTARY SCHOOL

#### RESPONSE ACTIONS TAKEN SINCE THE PREVIOUS RE-INSPECTION

The following response actions were taken in the Lower Nazareth Elementary School since the previous AHERA 3-year re-inspection:

Removal of:

1. Approximately 4,050 square feet of asbestos-containing floor tile and associated mastic, approximately 2085 square feet of asbestos-containing mastic located beneath carpet or floor tile and approximately 200 square feet of asbestos-containing blackboard mastic.

Dates of Work	April 15, 2021 through June 27, 2021
Abatement Contractor	Prism Response 70 Hillside Drive Drums, PA
Landfill Information	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA
Transporter	N.E.T.S., Inc. 326 S. Church Street Hazleton, PA
Air Monitoring	Air monitoring was performed SSM. Reference All reports for SSM Project Number 104016.0017.

2. Approximately 4,050 square feet of asbestos-containing floor tile and associated mastic, approximately 2085 square feet of asbestos-containing mastic located beneath carpet or floor tile and approximately 200 square feet of asbestos-containing blackboard mastic.

Dates of Work	June 13, 2022
Abatement Contractor	Safeway Environmental 1255 Cedar Crest Blvd Allentown, PA
Landfill Information	Amelia Landfill 20221 Maplewood Rd. Jetersville, VA
Transporter	N.E.S.T., Inc 326 S. Church Street

Hazleton, PA

Air Monitoring

Air monitoring was performed SSM. Reference  
All reports for SSM Project Number 104016.0021.

**TABLE 7-1**

**NAZARETH AREA SCHOOL DISTRICT  
LOWER NAZARETH ELEMENTARY SCHOOL  
ESTIMATED BUDGETARY COSTS FOR REMOVAL**

<b>Material</b>	<b>Quantity</b>	<b>Remove</b>
1'x1' Floor Tile and Mastic	400 S.F.	\$4,000
Black Mastic under New Carpet or Tile	Unknown	Estimated \$6/SF
	<b>Total</b>	<b>\$4,000</b>



## Accreditations

Appendix A  
Annual Notifications



**SPOTTS | STEVENS | MCCOY**

[ssmgroup.com](http://ssmgroup.com)

**READING**

1047 North Park Road; PO Box 6307

Reading PA 19610-0307

P. 610.621.2000 | F. 610.621.2001

**LEHIGH VALLEY**

Roma Corporate Center

1605 North Cedar Crest Boulevard; Suite 106

Allentown PA 18104

P. 610.849.9700 | F. 610.621.2001

**LANCASTER**

701 Creekside Lane

Lititz PA 17543

P. 717.568.2678 | F. 610.621.2001