



## **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 "W. 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
Lower	221	9"x9" Tan Floor Tile and Mastic	0	S	0	0	0	0	0	0	965 S.F. abated summer 2022
Lower	222	9"x9" Tan Floor Tile and Mastic	0	S	0	0	0	0	0	0	965 S.F. abated summer 2022
Lower	223	9"x9" Tan Floor Tile and Mastic	0	S	0	0	0	0	0	0	965 S.F. abated summer 2022
Lower	224	9"x9" Green Floor Tile and Mastic	0	S	1	0	2	0	2	1	965 S.F. abated summer 2022
Lower	225	9"x9" Tan Floor Tile and Mastic	0	S	0	0	0	0	0	0	965 S.F. abated summer 2022
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
Upper	349	9"x9" Floor Tile and Mastic	0	S	0	0	0	0	0	0	810 S.F. abated summer 2022
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	IC-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
Upper	Stage Storage above Steps	Transite Panels	3	S	0	1	0	1	2	1	Stage Right, repaired Summer 2022
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	IC-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

Material	Quantity	Removal & Replacement
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

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

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
182202353-0001										
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
182202353-0002										
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
182202353-0003										

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/cm<sup>3</sup> 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

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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 laboratory. 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

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

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 ≥0.5μ < 5μ	≥5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (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 meet 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/cm<sup>3</sup> 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 333000315, AIHA-LAP, LLC IHLAP #178659

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

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## Accreditations