



Guzek Associates, Inc.

**Mechanical, Electrical, Structural,
Environmental, and Architectural Engineering**

**Phone: (570) 586-9700
Fax: (570) 586-6728
Email: guzekassoc@aol.com**

**401 DAVIS STREET
CLARKS SUMMIT, PA 18411-1837**

February 18, 2020

Mr. Paul Dougherty
Director of Operations
Scranton School District
425 North Washington Avenue
Scranton, PA 18503

Reference: Francis Willard Elementary School – **Air Quality Clearance Testing**
• 1st Floor, Room 101

Dear Mr. Dougherty,

On February 5, 2020, and again on February 10, 2020, Guzek Associates, Inc. (GAI) performed asbestos clearance air sampling. All samples were analyzed by EMSL using Transmission Electron Microscopy (TEM). GAI required the more expensive TEM analysis in this case due to the unknown extent of remedial activity performed during the asbestos stabilization procedures by Datom Products, Dunmore, on February 5, 2020.

Sampling was conducted to verify that the above referenced areas were suitable for occupancy and resumption of normal activities based on EPA's Asbestos Hazard Emergency response Act (AHERA) standards. The AHERA standard for Final Clearance of an area for occupancy and resumption of normal activities following an asbestos abatement project in that area is less than 70 structures (asbestos fibers) per square millimeter (S/mm²) when all samples in the regulated area are averaged together.

The asbestos repair procedure performed within this school building consisted of stabilization of localized areas on plastered wall and ceiling surfaces with a bridging encapsulant.

Below is the sampled area with the following number of samples collected from each area:

First Floor: 1st Floor, Room 101 - five samples collected (February 5, 2020)

First Floor: 1st Floor, Room 101 - five samples collected (February 10, 2020)

At each sample location, Guzek Associates performed asbestos air sampling utilizing a high volume vacuum pump attached to TEM cassettes. Each pump at each sample location was calibrated immediately prior to and immediately following sample collection.

Aggressive sampling techniques were used for each regulated area: each regulated area was blown out with a standard leaf blower immediately prior to sampling in the area. This procedure was performed to agitate and render airborne any stagnant asbestos fibers lying on surfaces or trapped in crevasses, if present.

Samples were collected for approximately two (2) hours at an airflow rate of 10.0 liters per minute (lpm). All asbestos TEM samples sent next day Federal Express to an accredited laboratory for analysis with a 6-hour turnaround time.

The TEM test report is attached to this report.

Report Summary:

February 5, 2020 – Sample Will-101-03 was reported by the laboratory as "Overloaded" and therefore could not be read by the laboratory. No structures (asbestos fibers) were detected in the other four (4) samples taken, but according to protocol, all five (5) samples have to be readable and below the AHERA final clearance criteria.

February 10, 2020 – No structures (asbestos fibers) were detected in the 1st Floor, Room 101.

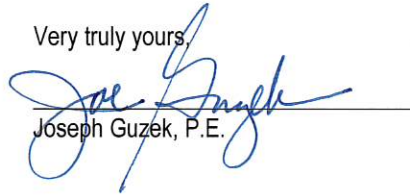
Based on these results, and according to AHERA regulations, the above areas sampled in the Francis Willard Elementary school are considered to be safe for occupancy and resumption of normal activities.

Analytical Methodologies:

All TEM air samples were collected and analyzed in accordance with all AHERA requirements. TEM analyses were performed by EMSL Analytical, Inc. located in Cinnaminson, NJ.

Should you have any questions on this report, please feel free to call me.

Very truly yours,



Joseph Guzek, P.E.

Attachments:

Chain-of-Custodies (2 pages)
TEM Results (2 pages)

EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

042003320

EMSL Analytical, Inc.

200 Route 130 North

RECEIVED
EMSL 08077
Cincinnati, OH 45220-3975

PHONE: 1-800-220-3975

FAX: (856) 786-5974

2020 FEB 7 AM 10:22

Company Name: Guzek Associates, Inc		EMSL Customer ID:	
Street: 401 Davis Street		City: Clarks Summit	State/Province: PA
Zip/Postal Code: 18411	Country: US	Telephone #: 5705869700	Fax #: 570-586-6728
Report To (Name): Joseph Guzek		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: guzekassoc@aol.com		Purchase Order:	
Project Name/Number: SSD 20_705 Willard		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: PA		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

EMSL-Bill to: ☐ Same ☒ Different - If Bill to is Different note Instructions in Comments**

Third Party Billing requires written authorization from third party

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour ☒ 6 Hour ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/ Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input checked="" type="checkbox"/> AHERA 40 CFR, Part <input type="checkbox"/> 763 NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) Soil/Rock/Vermiculite <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<1%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only) Other: <input type="checkbox"/>
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☐ Check For Positive Stop - Clearly Identify Homogenous Group
Filter Pore Size (Air Samples): ☐ 0.8µm ☐ 0.45µm

Samplers Name: Brent Tripp, Gary Marshall

Samplers Signature: *Brent Tripp*

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
Will-101-01	1st Floor, Room 101	1,210	2/5/20 4:55pm
Will-101-02	1st Floor, Room 101	1,210	2/5/20 4:55pm
Will-101-03	1st Floor, Room 101	1,210	2/5/20 4:55pm
Will-101-04	1st Floor, Room 101	1,210	2/5/20 4:55pm
Will-101-05	1st Floor, Room 101	1,210	2/5/20 4:55pm

Client Sample # (s): 01 thru 05

Total # of Samples: 5

Relinquished (Client): *Brent Tripp*

Date: 2/6/2020

Time: 9:40

Received (Lab): *CM*

Date: 2-7-20

Time: 9:35

Comments/Special Instructions:

Bill To: Guzek Associates, Inc., 401 Davis Street, Clarks Summit, PA, 18411, US
 Please call Brent Tripp at 570-499-3474 with results. Email: guzekassoc@aol.com

**EMSL Analytical, Inc.**

200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnaslab@EMSL.com

EMSL Order: 042003320

Customer ID: CLAG50

Customer PO:

Project ID:

Attention: Joseph Guzek
Guzek Associates, Inc.
401 Davis Street
Clarks Summit, PA 18411

Phone: (570) 586-9700**Fax:** (570) 586-6728**Received Date:** 02/07/2020 09:35 AM**Analysis Date:** 02/07/2020**Collected Date:** 02/05/2020**Project:** SSD 20_705 Willard

**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 ²)	Non Asb	Asbestos Type(s)	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5μ	≥5μ		(S/mm ²)	(S/cc)
Will-101-01 042003320-0001	1st Floor, Room 101	1210.00	0.0660	0	None Detected	0	0	0.0048	<15.00	<0.0048
Will-101-02 042003320-0002	1st Floor, Room 101	1210.00	0.0660	0	None Detected	0	0	0.0048	<15.00	<0.0048
Will-101-03 042003320-0003	1st Floor, Room 101	1210.00			Overloaded					N/A
Particulate loading greater than 10%.										
Will-101-04 042003320-0004	1st Floor, Room 101	1210.00	0.0660	0	None Detected	0	0	0.0048	<15.00	<0.0048
Will-101-05 042003320-0005	1st Floor, Room 101	1210.00	0.0660	0	None Detected	0	0	0.0048	<15.00	<0.0048

Analyst(s)

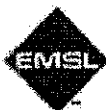
Mary McFarland (4)

Samantha Rundstrom, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. 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. Interpretation and use of test results are the responsibility of the client. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. Samples received in good condition unless otherwise noted. The test results meet the requirements of NELAC unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 88-00367, LA #04127

Initial report from: 02/07/2020 16:51 PM

EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

042003622

Cinnaminson, NJ 08077

PHONE: 1-800-220-3675

FAX: (856) 786-5974

Company Name: Guzek Associates, Inc		EMSL Customer ID:	
Street: 401 Davis Street		City: Clarks Summit	State/Province: PA
Zip/Postal Code: 18411	Country: US	Telephone #: 5705869700	Fax #: 570-586-6728
Report To (Name): Joseph Guzek		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: guzekassoc@aol.com		Purchase Order:	
Project Name/Number: 550-20706 Willard Elers		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: PA		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
EMSL-Bill to: <input type="checkbox"/> Same <input checked="" type="checkbox"/> Different - If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party			
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input checked="" type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SQF-V <input type="checkbox"/> NIOSH 9002 (<1%)		TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input checked="" type="checkbox"/> AHERA 40 CFR, Part <input type="checkbox"/> 763 NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D 6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)		Soil/Rock/Vermiculite <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<1%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only) Other: <input type="checkbox"/>	
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Samplers Name: Brent Tripp		Samplers Signature: <i>Brent Tripp</i>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
W:11-101-01B	1 st Floor, Room 101 (5)	1,220	2/10/20 3:43
W:11-101-02B	1 st Floor, Room 101	1,220	2/10/20 3:43
W:11-101-03B	1 st Floor, Room 101	1,220	2/10/20 3:43
W:11-101-04B	1 st Floor, Room 101	1,220	2/10/20 3:43
W:11-101-05B	1 st Floor, Room 101	1,200	2/10/20 3:45
Client Sample # (s): 01-05		Total # of Samples: 5	
Relinquished (Client): <i>Brent Tripp</i>		Date: 2/10/2020	Time: 6:00 pm
Received (Lab): <i>CJR 2/11/20 1000 efx</i>		Date:	Time:
Comments/Special Instructions: Bill To: Guzek Associates, Inc., 401 Davis Street, Clarks Summit, PA, 18411, US Attention: A/P Phone: 570-499-3474 Email: guzekassoc@aol.com Purchase Order:			

**EMSL Analytical, Inc.**

200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnaslab@EMSL.com

EMSL Order: 042003622

Customer ID: CLAG50

Customer PO:

Project ID:

Attention: Joseph Guzek
Guzek Associates, Inc.
401 Davis Street
Clarks Summit, PA 18411

Phone: (570) 586-9700**Fax:** (570) 586-6728**Received Date:** 02/11/2020 09:40 AM**Analysis Date:** 02/11/2020**Collected Date:** 02/10/2020**Project:** 550-20706 Willard Elem

**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 ²)	Non Asb	Asbestos Type(s)	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						$\geq 0.5\mu < 5\mu$	$\geq 5\mu$		(S/mm ²)	(S/cc)
Will-101-01B 042003622-0001	1st Floor - Room 101	1220.00	0.0660	0	None Detected	0	0	0.0048	<15.00	<0.0048
Will-101-02B 042003622-0002	1st Floor - Room 101	1220.00	0.0660	0	None Detected	0	0	0.0048	<15.00	<0.0048
Will-101-03B 042003622-0003	1st Floor - Room 101	1220.00	0.0660	0	None Detected	0	0	0.0048	<15.00	<0.0048
Will-101-04B 042003622-0004	1st Floor - Room 101	1220.00	0.0660	0	None Detected	0	0	0.0048	<15.00	<0.0048
Will-101-05B 042003622-0005	1st Floor - Room 101	1220.00	0.0660	0	None Detected	0	0	0.0048	<15.00	<0.0048

Analyst(s)

Sandy Burany, Ph.D (5)

Samantha Rundstrom, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. 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. Interpretation and use of test results are the responsibility of the client. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. Samples received in good condition unless otherwise noted. The test results meet the requirements of NELAC unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 02/11/2020 14:57 PM