3-YEAR ASBESTOS INSPECTION REPORT

JOHN G. WHITTIER ELEMENTARY SCHOOL SCRANTON, PA

(NATIVITY - ANNEX BUILING)

prepared for:

SCRANTON SCHOOL DISTRICT
425 North Washington Avenue
Scranton, Pa. 18505

CONSULTANTS:

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

PROJECT: #SSD.19_751

Updated:

July 2019

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ASBESTOS INSPECTION

For the property known as:

JOHN G. WHITTIER ELEMENTARY SCHOOL (ANNEX BUILDING)

SECTION 1 EXECUTIVE SUMMARY

An Asbestos Materials Inspection Survey was conducted on July 15, 2019 at the above-listed location. The purpose of the survey was to visually locate, identify, and assess asbestos-containing building materials. The survey was conducted by Certified Asbestos Inspectors, Chris Notari (DLI Asbestos Inspector Certification #027028)

All accessible rooms and areas of the building were entered for inspection of suspected asbestos materials. Suspected asbestos materials not previously sampled (if applicable) were sampled and sent to a laboratory for analyses to confirm or negate the suspicion of asbestos content. Other suspect materials were assumed to contain asbestos.

The results are summarized as follows:

A. Asbestos-containing Materials

1. All confirmed or assumed (roofing materials, chalkboard mastic, etc.) asbestos-containing materials are listed in Appendix A. Materials that were tested and found not to contain asbestos are also listed in Section 6.

2. Recommendations

   Recommendations are given in relation to renovation maintenance and demolition activities for the school building in Section 7.

SECTION 2 INTRODUCTION

An Asbestos Materials Inspection of the John G. Whittier Elementary School (Annex Building) was performed at the request Scranton School District, Scranton, PA. The purpose of the inspection was to determine the types, quantities, and conditions of confirmed or assumed asbestos-containing materials, if not previously tested.

Once suspected asbestos materials were identified, they were sampled to verify or negate the suspicion of asbestos content (roofs were not tested and were assumed to contain asbestos). All materials sampled were analyzed via EPA Method 600/R-93/116 utilizing Polarized Light Microscopy by *EMSL Analytical, Inc., a NVLAP- accredited laboratory.*

The friability of these materials was also determined. Friable materials, such as cementitious pipe insulation, are those that can be crumbled, pulverized, or reduced to powder by hand or finger pressure. Non-friable materials, such as floor tiles in good condition, are those that cannot be crumbled, pulverized, or reduced to powder by hand or finger pressure. It is possible for normally non-friable materials to be considered as friable if they are in poor or damaged condition or will be rendered friable by construction or other activities, such as drilling, sanding, crushing by heavy equipment, etc.

The Initial Asbestos Hazard Emergency Response Act (AHERA) Building Inspection Report and Management Plan which was prepared and filed in accordance with the United States Environmental Protection Agency's (EPA) Regulation 40 CFR Part 763, Subpart E – Asbestos-Containing Materials in Schools is on file and available for review at the Scranton School District Administration Offices and John G. Whittier Elementary School (Annex Building) Administration Office.

SECTION 3 BUILDING DISCRIPTION

John G. Whittier Elementary School (Annex Building), located at 638 Hemlock Street, Scranton, PA is a wood and masonry building constructed approximately 1903. The building consists of a basement and three (3) floors, and contains approximately 40,000 square feet of floor area.

SECTION 4 METHODS

Prior to re-inspection the following documents were reviewed by Guzek Associates, Inc.

1. 2016 3-Year Re-inspection Report
2. AHERA 6-month Periodic Surveillance Inspection Reports

Upon completion of reviewing the above referenced documentation, Guzek Associates, Inc. conducted a room-by-room and area-by-area inspection of the building to verify the locations of Asbestos Containing Materials listed in the above documents and to determined the conditions (Good, Damaged, or Significantly Damaged) of these materials. In addition, suspect materials not listed in the above documents were identified and either assumed to contain asbestos or collected and analyzed to determined asbestos content.

The asbestos inspection survey was conducted by inspectors qualified by experience, education, and training in the recognition of suspected asbestos-containing materials. Sampling was limited to only areas that were easily accessible (above ceiling tiles, operable hatches, and open areas.) No walls, chases or ceilings, etc. were penetrated during this inspection.

For those materials analyzed for asbestos content during this inspection, representative samples of "suspected" asbestos-containing materials were collected utilizing approved federal and state methods.

All Samples collected were analyzed by EMSL Analytical, Inc., Cinnaminson, NJ. Using EPA 600/R-93/116 Method using Polarized Light Microscopy

SECTION 5 REINSPECTION FINDINGS

The attached inspection forms in Appendix A indicate both the locations and assessed conditions of confirmed or assumed asbestos containing materials as identified in the building by the 2019 Re-inspection conducted by Guzek Associates, Inc.

The Scranton School District intends to continue implementation of the Operations & Maintenance Program recommendations as contained in the AHERA Management Plan and to maintain its stringent occupational and environmental protection standards for the on-going control of the identified ACBM's within the building.

SECTION 6 INSPECTION RESULTS

A. Asbestos-containing Materials

Appendix A contains a list and drawings of all confirmed and assumed asbestos-containing materials identified in the Inspection report for John G. Whittier Elementary School (Annex Building) conducted by Guzek Associates, Inc.. This table also includes locations and condition assessments (Good, Damaged, or Significantly Damaged).

Finally all Chain of Custody and Analytical Laboratory Reports for the 2016 3-Year Re-inspection Report is included in Appendix B.

Note: In addition to those materials listed in the Homogeneous Sampling Chart in Appendix A, the following suspected asbestos-containing materials may be present:

1. Pipe and/or pipe fitting insulation (friable materials) in wall cavities in the vicinities of bathroom and shower fixtures, sinks, drinking water fountains, wall and ceiling chases – no access at time of inspection.

2. Glue pucks behind chalkboards (Category 1 non-friable material) – no access at time of inspection.

3. Fire Doors

4. Roofing Materials (including Flashing and Tar)

5. Electric wiring insulation maybe present

Materials That Were Tested and Found Not to Contain Asbestos

- All layers of hard wall and ceiling plasters
- Boiler Breeching
- Boiler Room Ceiling
- Brown thin linoleum like layer under carpet in classrooms
- Wall block
- Textured plaster (Kitchen Area)
- Gypsteel
- Ceiling block in attic
- Window sill tar paper
- 2'x2' & 2'x4' ceiling tile

SECTION 7 RECOMMENDATIONS

A. Any Materials listed as Presumed Asbestos Containing Materials (PACM) in Appendix A shall either by assumed to contain asbestos or should be analyzed prior to disturbance to determine asbestos content at time of disturbance

B. All Asbestos Containing Materials in the building that are to remain in place shall be treated according to Operation and Maintenance (O&M) procedures for each specific material and as listed in the O&M plan for the John G. Whittier Elementary School (Annex Building).

C. All Presumed or Confirmed Asbestos Containing Materials that will be potentially damaged by any activity (renovation, demolition, maintenance, etc.) shall be:

1. Removed by a Pennsylvania Department of Labor and Industry (PaDLI) Certified asbestos abatement contractor prior to renovation. Final clearance air monitoring should be performed by an independent third party contracted to the school district.

Or

2. The Activity that will potentially disturb Asbestos Containing Materials shall be designed to avoid said disturbance.

SECTION 8 ASBESTOS INPECTOR ACCREDIDATION

Certified PA Asbestos Inspectors, Chris Notari (DLI Asbestos Inspector Certification #027028). Copies of their certificates are included in this report on the following pages.

Certificate of Completion

awarded to

Chris Notari

for successfully completing the prescribed course of study in

Pennsylvania Asbestos Building Inspector Refresher Course

under TSCA Title II

presented by

ACCESS TRAINING SERVICES, INC.
7921 River Road, Pennsauken, NJ 08110
(856) 665-3449

7/11/19	N/A	7/11/20
Course Date	*Exam Date*	*Expiration Date*
Not Provided	**ACC-0719-6-005**	*Mark K. Schläger*
Social Security Number	*Certificate Number*	*Training Director*

APPENDIX A

REINSPECTION FINDINGS:

HOMOGENEOUS SAMPLING CHART

RESPONSE ACTION BASED ON HAZARD RANK

ASBESTOS CONTAINING BUILDING MATERIAL (ACBM) LOCATION DRAWINGS

Guzek Associates, Inc. - HOMOGENEOUS SAMPLING CHART

Scranton School District Building: John G. Whittier Elementary School (Annex Building) Dates of Original AHERA Inspection: July, 1988

HOMOGENEOUS SAMPLING MATERIAL		MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESEMENT	AHERA HAZARD	AHERA REMOVAL PRIORITY	NOTES
MATERIAL LOCATION	MATERIAL DESCRIPTION							
Basement, Boiler Room	Fittings /Pipe Insulation (Approx. 8 - 15 Fittings)	**TSI** SURFACE Misc.	**Assumed** or Analyzed	**F** NF-1 NF-2	N/A	N/A	N/A	Removed (12/2016) No Documentation was provided by District
Basement, Storage Room	Fittings /Pipe Insulation (Approx. 20 - 25 Fittings)	**TSI** SURFACE Misc.	**Assumed** or Analyzed	**F** NF-1 NF-2	N/A	N/A	N/A	Removed (12/2016) No Documentation was provided by District
1st Floor, Kitchen	Fittings /Pipe Insulation (Indeterminate)	**TSI** SURFACE Misc.	**Assumed** or Analyzed	**F** NF-1 NF-2	**G** D SD	2	6	- Insulation is visible inside ceiling
1st Floor, Storage Under Steps	Black Tar Coating (Approx. 120 SQ FT)	TSI **SURFACE** Misc.	**Assumed** or Analyzed	F **NF-1** NF-2	**G** D SD	2	6	
2nd Floor, Nurse's Office	12"x12" Floor Tile & Mastic (Approx. 140 SQ FT)	TSI SURFACE **Misc.**	**Assumed** or Analyzed	F **NF-1** NF-2	**G** D SD	2	6	- Mastic Assumed
2nd Floor, Room 205 (Closet)	Fittings /Pipe Insulation (Approx. 8 LF of Insulation)	**TSI** SURFACE Misc.	**Assumed** or Analyzed	**F** NF-1 NF-2	**G** D SD	2	6	
2nd Floor, Room 210 & Open Hole in closet ceiling	Fittings /Pipe Insulation (Approx. 10 LF of Insulation)	**TSI** SURFACE Misc.	**Assumed** or Analyzed	**F** NF-1 NF-2	G D **SD**	6	2	
2nd Floor, Boy's Restroom	Fittings /Pipe Insulation (Approx. 2 - 5 Fittings) (Approx. 2 LF of Insulation)	**TSI** SURFACE Misc.	**Assumed** or Analyzed	**F** NF-1 NF-2	N/A	N/A	N/A	- Removed, No Documentation was provided by District. (Additional TSI may exists in this area)
2nd Room, Room 211	12"x12" Floor Tile & Mastic (Approx. 1,200 SQ FT)	TSI SURFACE **Misc.**	**Assumed** or Analyzed	F **NF-1** NF-2	**G** D SD	2	6	- Mastic Assumed
3rd Floor, Room 305 & Closet	Fittings /Pipe Insulation (Approx. 5 - 10 Fittings)	**TSI** SURFACE Misc.	**Assumed** or Analyzed	**F** NF-1 NF-2	N/A	N/A	N/A	- Removed, No Documentation was provided by District. (Additional TSI may exists in closet)
Throughout Building	Ductwork Flex Connections	TSI SURFACE **Misc.**	**Assumed** or Analyzed	F **NF-1** NF-2	**G** D SD	2	6	- 3rd Floor, Girls restroom Janitor's Closet (Singificantly Damaged, Remove)
	Mastic Behind Chalkboards, panels, and wallboards, etc.	TSI SURFACE **Misc.**	**Assumed** or Analyzed	F **NF-1** NF-2	**G** D SD	2	6	- Not accessible during inspection

Information abstracted by: Christopher Notari in July, 2019 Building Inspector's Certification No.: 027028-PA

Friability: F = Friable, NF-1 = Non-Friable, NF-2 = Non-Friable Assessment: G = Good, D = Damaged, SD = Significantly Damaged

AHERA Assessment / Hazard Rank / Removal Priority = See Attached Document, "RESPONSE ACTIONS BASED ON HAZARD RANKING"

HOMOGENEOUS SAMPLING MATERIAL		MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESMENT	AHERA HAZARD	AHERA REMOVAL PRIORITY	NOTES
MATERIAL LOCATION	MATERIAL DESCRIPTION							
Throughout Building	Window Frame Caulking (Indeterminate)	TSI SURFACE **Misc.**	Assumed or **Analyzed**	F **NF-1** NF-2	G **D** SD	4	4	
	Window Glazing (Indeterminate)	TSI SURFACE **Misc.**	Assumed or **Analyzed**	F **NF-1** NF-2	G **D** SD	3	5	- Was reported by Lab as <1%. If disturbed more testing is required
	Textured Sink Coating on Exterior Base of Sinks	TSI **SURFACE** Misc.	**Assumed** or Analyzed	F **NF-1** NF-2	**G** D SD	1	7	
	Mastic Behind Marble Walls (Indeterminate)	TSI SURFACE **Misc.**	**Assumed** or Analyzed	F **NF-1** NF-2	**G** D SD	1	7	
	Fittings /Pipe Insulation (Indeterminate)	**TSI** SURFACE Misc.	**Assumed** or Analyzed	**F** NF-1 NF-2	**G** D SD	2	6	May exist behind, sink, water fountains, chases, ceilings, walls, and between floors
	Fire Doors (Indeterminate)	TSI SURFACE **Misc.**	**Assumed** or Analyzed	**F** NF-1 NF-2	**G** D SD	1	7	
	Boiler Room Fire Door	TSI SURFACE **Misc.**	**Assumed** or Analyzed	**F** NF-1 NF-2	**G** D SD	1	7	
	1st Floor, Stage Curtain	TSI SURFACE **Misc.**	**Assumed** or Analyzed	**F** NF-1 NF-2	G **D** SD	5	3	
Throughout Building, Mechanical Rooms	Gasketing Material	**TSI** SURFACE Misc.	**Assumed** or Analyzed	F **NF-1** NF-2	**G** D SD	1	7	

Information abstracted by: Christopher Notari in July, 2019 Building Inspector's Certification No.: 027028-PA

Friability: F = Friable, NF-1 = Non-Friable, NF-2 = Non-Friable Assessment: G = Good, D = Damaged, SD = Significantly Damaged

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RESPONSE ACTIONS BASED ON HAZARD RANK

HAZARD RANK	REMOVAL PRIORITY	AHERA CATEGORIES	RESPONSE ACTIONS REQUIRED BY AHERA
7	1	Significantly Damaged	Evacuate or restrict the area if needed. Remove the ACBM (or enclose or encapsulate it if sufficient to contain fibers). Repair of T.S.I. allowed if feasible and safe. O&M required for all ACBM.
6	2	Damaged with Potential for Significant Damaged	Evacuate or restrict the area if needed. Remove, enclose, encapsulate, or repair to correct damage. Take steps to reduce potential for disturbance. O&M required for all ACBM.
5	3	Damaged with Potential for Damage	Remove, enclose, encapsulate, or repair to correct damage. O&M required for all ACBM.
4	4	Damaged with Low Potential for Damage	Remove, enclose, encapsulate, or repair to correct damage. O&M required for all ACBM.
3	5	Good with Potential for Significant Damage	Evacuate or restrict the area if needed. Take steps to reduce potential for disturbance. O&M required for all ACBM.
2	6	Good with Potential For Damage	O&M required for all ACBM. Take steps to reduce potential for damage.
1	7	Good with Low Potential for Disturbance	O&M required for all ACBM

[redacted]

[redacted]

[redacted]

APPENDIX B

TEST RESULTS FOR SUSPECTED ASBESTOS-CONTAINING MATERIALS:

2016 LABORATORY REPORT

2016 CHAIN OF CUSTODY

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

EMSL Order: 041624880
Customer ID: CLAG50
Customer PO:
Project ID:

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

Phone: (570) 586-9700
Fax: (570) 586-6728
Received Date: 09/06/2016 8:55 AM
Analysis Date: 09/10/2016 - 09/12/2016
Collected Date: 08/31/2016

Project: SSD 16_751 Nativity (Whittier Elem)

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
01W *041624880-0001*	1st floor, main lobby - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02B *041624880-0002*	1st floor, main lobby - Plaster base layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03W *041624880-0003*	1st floor, main lobby - Plaster white layer (1 layer)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04B *041624880-0004*	1st floor, main lobby - Plaster base layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05 *041624880-0005*	Basement-Coal storage room - Ceiling plaster (1 layer)	Gray Fibrous Homogeneous	5% Hair	95% Non-fibrous (Other)	None Detected
06 *041624880-0006*	Basement-Coal storage room - Floor material	Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07 *041624880-0007*	Basement-Coal storage room - Floor debris	Gray Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
08 *041624880-0008*	Basement, boiler room-Boiler No. 1 - Boiler breeching (outer layer)	Beige Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
09 *041624880-0009*	Basement, boiler room-Boiler No. 1 - Boiler breeching (inner layer)	Tan Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
10 *041624880-0010*	Basement, boiler room-Boiler No. 1 - Boiler breeching (outer layer)	Beige Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
11 *041624880-0011*	Basement, boiler room-Boiler No. 1 - Boiler breeching (inner layer)	Tan Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
12 *041624880-0012*	Basement, boiler room-Boiler No. 2 - Boiler breeching (outer layer)	White Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
13 *041624880-0013*	Basement, boiler room-Boiler No. 2 - Boiler breeching (inner layer)	Tan Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
14A *041624880-0014*	Basement, boiler room-Boiler No. 2 - Boiler breeching (outer layer)	Beige Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected

Initial report from: 09/12/2016 15:36:04

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

EMSL Order: 041624880
Customer ID: CLAG50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
15B *041624880-0015*	Basement, boiler room-Boiler No. 2 - Boiler breeching (inner layer)	Tan Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
16 *041624880-0016*	Basement, boiler room - Mastic on fiberglass ends	Brown/Yellow Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
Result includes a small amount of inseparable attached material					
17 *041624880-0017*	Basement, boiler room - Mastic on fiberglass ends	Brown/Yellow Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
Result includes a small amount of inseparable attached material					
18 *041624880-0018*	Basement, boiler room - Mastic on fiberglass ends	Brown/Yellow Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
Result includes a small amount of inseparable attached material					
19W *041624880-0019*	Basement, boiler room (above steps) - Ceiling plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20B *041624880-0020*	Basement, boiler room (above steps) - Ceiling plaster base layer	Gray Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
21W *041624880-0021*	Basement, boiler room (above incinerator) - Ceiling plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22B *041624880-0022*	Basement, boiler room (above incinerator) - Ceiling plaster base layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
23W-Plaster *041624880-0023*	Gymnasium - Block wall white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
23W-Texture *041624880-0023A*	Gymnasium - Block wall white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
24B *041624880-0024*	Gymnasium - Block wall base layer	Tan Fibrous Homogeneous	60% Min. Wool	40% Non-fibrous (Other)	None Detected
25W-Plaster *041624880-0025*	Gymnasium - Block wall white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25W-Texture *041624880-0025A*	Gymnasium - Block wall white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26B *041624880-0026*	Gymnasium - Block wall base layer	Tan Fibrous Homogeneous	60% Min. Wool	40% Non-fibrous (Other)	None Detected
27TP *041624880-0027*	Kitchen - Textured plaster	White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
28W *041624880-0028*	Kitchen - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 09/12/2016 15:36:04

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200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
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EMSL Order: 041624880
Customer ID: CLAG50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
29B *041624880-0029*	Kitchen - Plaster base layer	Gray Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
30TP *041624880-0030*	Kitchen - Textured plaster	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
31W *041624880-0031*	Kitchen - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
32B *041624880-0032*	Kitchen - Plaster base layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
33TP *041624880-0033*	Kitchen - Textured plaster	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
34W *041624880-0034*	Kitchen - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
35B *041624880-0035*	Kitchen - Plaster base layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
36 *041624880-0036*	Ladies restroom off of gym, storage room - 2x2 ceiling tile	Gray/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
37 *041624880-0037*	Ladies restroom off of gym - 2x4 ceiling tile	Gray/White Fibrous Homogeneous	60% Cellulose 30% Min. Wool	10% Non-fibrous (Other)	None Detected
38W *041624880-0038*	Ladies restroom off of gym - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
39B *041624880-0039*	Ladies restroom off of gym - Plaster base layer	Gray Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
40W *041624880-0040* *limited sample*	Staircase A, storage room - Wall plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
41B-Plaster *041624880-0041*	Staircase A, storage room - Wall plaster base layer	Gray Fibrous Homogeneous	5% Hair	95% Non-fibrous (Other)	None Detected
41B-Plaster 2 *041624880-0041A*	Staircase A, storage room - Wall plaster base layer	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
42W *041624880-0042* *limited sample*	Staircase A, storage room - Wall plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
43B-Plaster *041624880-0043*	Staircase A, storage room - Wall plaster base layer	Gray Fibrous Homogeneous	2% Cellulose 2% Hair	96% Non-fibrous (Other)	None Detected
43B-Plaster 2 *041624880-0043A*	Staircase A, storage room - Wall plaster base layer	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
44W *041624880-0044*	Staircase A, storage room - Wall plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 09/12/2016 15:36:04

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EMSL Order: 041624880
Customer ID: CLAG50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
45B-Plaster *041624880-0045*	Staircase A, storage room - Wall plaster base layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
45B-Plaster 2 *041624880-0045A*	Staircase A, storage room - Wall plaster base layer	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
46 *041624880-0046*	2nd floor, hallway-Exterior of building - Exterior window caulking	Gray/White Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
47 *041624880-0047*	2nd floor, hallway-Exterior of building - Exterior window glazing	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
48 *041624880-0048*	2nd floor, office restroom - Exterior window caulking	Gray/White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
49 *041624880-0049*	2nd floor, office restroom - Exterior window glazing	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
50W *041624880-0050*	2nd floor, Room 206 - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
51B *041624880-0051*	2nd floor, Room 206 - Plaster base layer	Gray Fibrous Homogeneous	2% Cellulose 2% Hair	96% Non-fibrous (Other)	None Detected
52-Brown Layer *041624880-0052*	2nd floor, Room 208 - Brown layer under carpet	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
52-Mastic *041624880-0052A*	2nd floor, Room 208 - Brown layer under carpet	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
53W *041624880-0053*	2nd floor, Room 210 - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
54B *041624880-0054*	2nd floor, Room 210 - Plaster base layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
55-Brown Layer *041624880-0055*	2nd floor, Room 210 - Brown layer under carpet	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
55-Mastic *041624880-0055A*	2nd floor, Room 210 - Brown layer under carpet	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
56 *041624880-0056* *Result includes a small amount of inseparable attached material*	2nd floor, Room 210 - Mastic on fiberglass ends	Gray/White/Yellow Fibrous Heterogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
57 *041624880-0057*	2nd floor, Room 210 closet - Gypsteel	Gray Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
58W *041624880-0058*	2nd floor, boys' restroom - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
59B *041624880-0059*	2nd floor, boys' restroom - Plaster base layer	Gray Fibrous Homogeneous	2% Hair	98% Non-fibrous (Other)	None Detected

Initial report from: 09/12/2016 15:36:04

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

EMSL Order: 041624880
Customer ID: CLAG50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
60W *041624880-0060*	2nd floor, Room 207 - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
61B *041624880-0061*	2nd floor, Room 207 - Plaster base layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
62 *041624880-0062*	3rd floor, hallway-Exterior of building - Exterior window caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
63 *041624880-0063*	3rd floor, hallway-Exterior of building - Exterior window glazing	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
64 *041624880-0064*	3rd floor, Room 304 - Thin brown layer under carpet	Brown/Silver/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
65W *041624880-0065*	3rd floor, Room 304 - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
66B *041624880-0066*	3rd floor, Room 304 - Plaster base layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
67W *041624880-0067*	3rd floor, janitor's closet - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
68B *041624880-0068*	3rd floor, janitor's closet - Plaster base layer	Gray Fibrous Homogeneous	2% Hair	98% Non-fibrous (Other)	None Detected
69 *041624880-0069*	3rd floor, janitor's closet (behind plaster base layer) - Block	White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
70 *041624880-0070*	3rd floor, Room 310 - Brown layer under carpet	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
71 *041624880-0071*	3rd floor, Room 311-Exterior of building - Exterior window caulking	White Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
72 *041624880-0072*	3rd floor, Room 311-Exterior of building - Exterior window glazing	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
73W *041624880-0073*	3rd floor, Room 309 - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
74B *041624880-0074*	3rd floor, Room 309 - Plaster base layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
75 *041624880-0075*	Attic-Interior of building - Interior window sill paper (tar paper)	Black Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
76 *041624880-0076*	Attic-Interior of building - Interior window sill paper (tar paper)	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected

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EMSL Order: 041624880
Customer ID: CLAG50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
77	Attic-Interior of building - Ceiling	Gray Fibrous	15% Cellulose	85% Non-fibrous (Other)	None Detected
041624880-0077	block	Homogeneous			
78	Attic-Interior of building - Ceiling	White Fibrous	15% Cellulose	85% Non-fibrous (Other)	None Detected
041624880-0078	block	Homogeneous			
79	Attic-Interior of building - Ceiling	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
041624880-0079	block	Homogeneous			

Analyst(s)

Andrew Castellano (4)
Quynh Vu (44)
Seri Smith (38)

Benjamin Ellis, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported 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 by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

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

Initial report from: 09/12/2016 15:36:04

OrderID: 041624880

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Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only): 041624880

RECEIVED EMSL CINNAMINSON, N.J. 2016 SEP -6 A 9:44

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Company: Guzek Associates, Inc.	**EMSL-Bill to:** ☐ Same ☐ Different If Bill to Is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 401 Davis Street	
City: Clarks Summit **State/Province:** PA	**Zip/Postal Code:** 18414 **Country:** U.S.A.
Report To (Name): Chris Notari	**Telephone #:** 570-586-9700
Email Address: guzekassoc@aol.com	**Fax #:** 570-586-6728 **Purchase Order:**
Project Name/Number: SSD 16_751 Nativity (Whittier Elem.)	**Please Provide Results:** ☐ Fax ☒ Email
U.S. State Samples Taken: Pennsylvania	**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt

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*

PLM - Bulk (reporting limit)	TEM – Bulk
☒ PLM EPA 600/R-93/116 (<1%)	☐ TEM EPA NOB – EPA 600/R-93/116 Section 2.5.5.1
☐ PLM EPA NOB (<1%)	☐ NY ELAP Method 198.4 (TEM)
Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ Chatfield Protocol (semi-quantitative)
Point Count w/Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ TEM % by Mass – EPA 600/R-93/116 Section 2.5.5.2
☐ NIOSH 9002 (<1%)	☐ TEM Qualitative via Filtration Prep Technique
☐ NY ELAP Method 198.1 (friable in NY)	☐ TEM Qualitative via Drop Mount Prep Technique
☐ NY ELAP Method 198.6 NOB (non-friable-NY)	**Other**
☐ OSHA ID-191 Modified ☐ Standard Addition Method	☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group** **Date Sampled:** 08-31-2016

Samplers Name: Chris Notari / Brent Tripp **Samplers Signature:** B. Tripp

Sample #	HA #	Sample Location	Material Description
01 W		1st Floor, Main Lobby	Plaster White Layer
02 B		1st Floor, Main Lobby	Plaster Base Layer
03 W		1st Floor, Main Lobby	Plaster White Layer (1 Layer)
04 B		1st Floor, Main Lobby	Plaster Base Layer
05		Basement - Coal Storage Room	Ceiling Plaster (1 Layer)
06		Basement - Coal Storage Room	Floor Material
07		Basement - Coal Storage Room	Floor Debris
08		Basement, Boiler Room - Boiler No. 1	Boiler Breeching (Outer Layer)
09		Basement, Boiler Room - Boiler No. 1	Boiler Breeching (Inner Layer)
10		Basement, Boiler Room - Boiler No. 1	Boiler Breeching (Outer Layer)

Client Sample # (s): 01 – 79 **Total # of Samples:** Seventy-Nine (79)

Relinquished (Client): Brent Tripp **Date:** 09-01-2016 **Time:** 12:00 PM

Received (Lab): Chelsea EMSL FX **Date:** 9/6/16 **Time:** 8:55

Comments/Special Instructions:

OrderID: 041624880

EMSL ANALYTICAL, INC.
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Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

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PHONE: (800) 220-3675
FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA #	Sample Location	Material Description
11		Basement, Boiler Room - Boiler No. 1	Boiler Breeching (Inner Layer)
12		Basement, Boiler Room - Boiler No. 2	Boiler Breeching (Outer Layer)
13		Basement, Boiler Room - Boiler No. 2	Boiler Breeching (Inner Layer)
14 A		Basement, Boiler Room - Boiler No. 2	Boiler Breeching (Outer Layer)
15 B		Basement, Boiler Room - Boiler No. 2	Boiler Breeching (Inner Layer)
16		Basement, Boiler Room	Mastic On Fiberglass Ends
17		Basement, Boiler Room	Mastic On Fiberglass Ends
18		Basement, Boiler Room	Mastic On Fiberglass Ends
19 W		Basement, Boiler Room (Above Steps)	Ceiling Plaster White Layer
20 B		Basement, Boiler Room (Above Steps)	Ceiling Plaster Base Layer
21 W		Basement, Boiler Room (Above Incinerator)	Ceiling Plaster White Layer
22 B		Basement, Boiler Room (Above Incinerator)	Ceiling Plaster Base Layer
23 W		Gymnasium	Block Wall White Layer
24 B		Gymnasium	Block Wall Base Layer
25 W		Gymnasium	Block Wall White Layer
26 B		Gymnasium	Block Wall Base Layer
27 TP		Kitchen	Textured Plaster
28 W		Kitchen	Plaster White Layer
29 B		Kitchen	Plaster Base Layer
30 TP		Kitchen	Textured Plaster
31 W		Kitchen	Plaster White Layer
32 B		Kitchen	Plaster Base Layer
33 TP		Kitchen	Textured Plaster
34 W		Kitchen	Plaster White Layer

***Comments/Special Instructions:**

Controlled Document – Asbestos COC – R6 – 11/29/2012

OrderID: 041624880

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Asbestos Bulk Building Material Chain of Custody

EMSL Order Number *(Lab Use Only)*: 041624880

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Sample #	HA #	Sample Location	Material Description
35 B		Kitchen	Plaster Base Layer
36		Ladies Rest Room Off Of Gym, Storage Room	2'x2' Ceiling Tile
37		Ladies Rest Room Off Of Gym	2'x4' Ceiling Tile
38 W		Ladies Rest Room Off Of Gym	Plaster White Layer
39 B		Ladies Rest Room Off Of Gym	Plaster Base Layer
40 W		Staircase A, Storage Room	Wall Plaster White Layer
41 B		Staircase A, Storage Room	Wall Plaster Base Layer
42 W		Staircase A, Storage Room	Wall Plaster White Layer
43 B		Staircase A, Storage Room	Wall Plaster Base Layer
44 W		Staircase A, Storage Room	Wall Plaster White Layer
45 B		Staircase A, Storage Room	Wall Plaster Base Layer
46		2nd Floor, Hallway - Exterior Of Building	Exterior Window Caulking
47		2nd Floor, Hallway - Exterior Of Building	Exterior Window Glazing
48		2nd Floor, Office Rest Room	Exterior Window Caulking
49		2nd Floor, Office Rest Room	Exterior Window Glazing
50 W		2nd Floor, Room 206	Plaster White Layer
51 B		2nd Floor, Room 206	Plaster Base Layer
52		2nd Floor, Room 208	Brown Layer Under Carpet
53 W		2nd Floor, Room 210	Plaster White Layer
54 B		2nd Floor, Room 210	Plaster Base Layer
55		2nd Floor, Room 210	Brown Layer Under Carpet
56		2nd Floor, Room 210	Mastic On Fiberglass Ends
57		2nd Floor, Room 210 Closet	Gypsteel
58 W		2nd Floor, Boy's Rest Room	Plaster White Layer

***Comments/Special Instructions:**

OrderID: 041624880

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LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

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Sample #	HA #	Sample Location	Material Description
59 B		2nd Floor, Boy's Rest Room	Plaster Base Layer
60 W		2nd Floor, Room 207	Plaster White Layer
61 B		2nd Floor, Room 207	Plaster Base Layer
62		3rd Floor, Hallway - Exterior Of Building	Exterior Window Caulking
63		3rd Floor, Hallway - Exterior Of Building	Exterior Window Glazing
64		3rd Floor, Room 304	Thin Brown Layer Under Carpet
65 W		3rd Floor, Room 304	Plaster White Layer
66 B		3rd Floor, Room 304	Plaster Base Layer
67 W		3rd Floor, Janitors Closet	Plaster White Layer
68 B		3rd Floor, Janitors Closet	Plaster Base Layer
69		3rd Floor, Janitors Closet (Behind Plaster Base Layer)	Block
70		3rd Floor, Room 310	Brown Layer Under Carpet
71		3rd Floor, Room 311 - Exterior Of Building	Exterior Window Caulking
72		3rd Floor, Room 311 - Exterior Of Building	Exterior Window Glazing
73 W		3rd Floor, Room 309	Plaster White Layer
74 B		3rd Floor, Room 309	Plaster Base Layer
75		Attic - Interior of Building	Interior Window Sill Paper (Tar Paper)
76		Attic - Interior of Building	Interior Window Sill Paper (Tar Paper)
77		Attic - Interior of Building	Ceiling Block
78		Attic - Interior of Building	Ceiling Block
79		Attic - Interior of Building	Ceiling Block

***Comments/Special Instructions:**