3-YEAR ASBESTOS
RE-INSPECTION REPORT

::

FRANCES WILLARD
ELEMENTARY SCHOOL
SCRANTON, PA

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

TABLE OF CONTENTS

SECTION 1	EXECUTIVE SUMMARY
SECTION 2	INTRODUCTION
SECTION 3	BUILDING DISCRIPTION
SECTION 4	METHODS
SECTION 5	RE-INSPECTION FINDINGS
SECTION 6	RE-INSPECTION RESULTS
SECTION 7	RECOMMENDATIONS
SECTION 8	ASBESTOS INPECTOR ACCREDIDATION
APPENDIX A	HOMOGENEOUS SAMPLING CHART, RESPONSE ACTION BASED ON HAZARD RANK, & ASBESTOS CONTAINING BUILDING MATERIAL (ACBM) LOCATION DRAWINGS
APPENDIX B	PLM SAMPLE ANALYSIS RESULTS & CHAIN-OF-CUSDOTY

ASBESTOS INSPECTION

For the property known as:

FRANCES WILLARD ELEMENTARY SCHOOL

SECTION 1 EXECUTIVE SUMMARY

An Asbestos Materials Re-inspection Survey was conducted on July 30th, 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) and Brent Tripp (DLI Asbestos Inspector Certification #053975).

All accessible rooms and areas of the building were entered for inspection of suspected asbestos materials. Suspected asbestos materials not previously sampled 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 Frances Willard Elementary School 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 Frances Willard Elementary School Administration Office.

SECTION 3 BUILDING DISCRIPTION

Frances Willard Elementary School, located at 1100 Eynon Street, Scranton, PA is a concrete and masonry building was constructed in 1929. The building consists of a partial crawl space, basement, two floors, an attic, and contains approximately 65,625 square feet of floor area.

SECTION 4 METHODS

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

1. Original inspection report
2. 2016 3-Year Re-inspection Report
3. 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 original 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 3-year re-inspection report for Frances Willard Elementary School 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. Glue pucks behind chalkboards (Category 1 non-friable material) – no access at time of inspection.

2. Fire Doors

3. Roofing Materials (including Flashing and Tar)

4. Electrical wiring insulation maybe present

Materials That Were Tested and Found Not to Contain Asbestos

- Boiler Room Ceiling
- Mastic on Fiberglass Ends
- Ceiling Block
- Wall Block
- Vapor Barrier
- Expansion Tank Insulation
- Interior & Exterior Window Caulking
- Joint Compound
- Sheetrock
- Wall Burlap (Previously Tested by Others)

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 George Bancroft Elementary School.

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) and Brent Tripp (DLI Asbestos Inspector Certification #053975). Copies of their certificates are included in this report on the following pages.

APPENDIX A

REINSPECTION FINDINGS:

HOMOGENEOUS SAMPLING CHART

RESPONSE ACTION BASED ON HAZARD RANK

ASBESTOS CONTAINING BUILDING MATERIAL (ACBM) LOCATION DRAWINGS

HOMOGENEOUS SAMPLING CHART

Scranton School District Building: Frances Willard Elementary School Dates of Original AHERA Inspection: July, 1988

HOMOGENEOUS SAMPLING MATERIAL		MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESMENT	AHERA HAZARD	AHERA REMOVAL PRIORITY	NOTES
MATERIAL LOCATION	MATERIAL DESCRIPTION							
Basement, Pre-School (4-year old)	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	- Encapsulate and repair all holes and broken areas
	Fittings /Pipe Insulation (Indeterminate)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	N/A	N/A	N/A	Removed January 2018
	12"x12" Floor Tile & Mastic (Approx. 640 SQ FT)	TSI SURFACE **Misc.**	**Assumed** or Analyzed	F **NF-1** NF-2	**G** D SD	2	6	
Basement, Pre-School (3-year old)	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	- Encapsulate and repair all holes and broken areas
	Fittings /Pipe Insulation (Indeterminate)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	N/A	N/A	N/A	Removed January 2018
	12"x12" Floor Tile & Mastic (Approx. 640 SQ FT)	TSI SURFACE **Misc.**	**Assumed** or Analyzed	F **NF-1** NF-2	**G** D SD	2	6	Repair/Continue O & M (2 - 3 Damamged floor tiles)
Basement, Storage in Girls' Restroom	Fittings /Pipe Insulation (Approx. 18 - 20 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	G **D** SD	5	3	Remove loose debris on shelf and insulation
Basement, Girls' Restroom	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	G **D** SD	5	3	- Encapsulate and repair all holes and broken areas
	Fittings /Pipe Insulation (Approx. 4 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	
Basement, Girls' Restroom Chase	Fittings /Pipe Insulation (Approx. 5 - 8 Fittings) (Approx. 20 - 25 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	G D **SD**	6	2	Remove Insulation
Basement, Boys' Restroom & Chase	Fittings /Pipe Insulation (Approx. 70 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	G **D** SD	4	4	
	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	- Encapsulate and repair all holes and broken areas

Information abstracted by: C. Notari and B. Tripp in July 30, 2019 Building Inspector's Certification No.: 027028-PA and 053975-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 CHART

HOMOGENEOUS SAMPLING MATERIAL		MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESMENT	AHERA HAZARD	AHERA REMOVAL PRIORITY	NOTES
MATERIAL LOCATION	MATERIAL DESCRIPTION							
Basement, Medical Room	Duct Insulation (Approx. 900 - 1000 SQ FT)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	Duct insulation may exist under sheetrock encasement, condition unknown
	Fittings /Pipe Insulation (Approx. 25 - 30 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	
	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	- Encapsulate and repair all holes and broken areas
Basement, Music Room	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	- Encapsulate and repair all holes and broken areas
Basement, Music Room Trench	Fittings /Pipe Insulation (Approx. 35 - 40 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	N/A	N/A	N/A	Removed January 2018
Basement, Main Corridor "A"	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	G **D** SD	2	6	- Encapsulate and repair all holes and broken areas
	Fittings /Pipe Insulation (Approx. 45 - 50 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	
Basement, Main Corridor "A" Trench	Fittings /Pipe Insulation (Approx. 30 - 35 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	N/A	N/A	N/A	Removed January 2018
Basement, Multipurpose Room	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	G **D** SD	5	3	- Water leak in ceiling - Encapsulate all holes and/or broken areas
Basement, Multipurpose Room Trench	Fittings /Pipe Insulation (Approx. 80 - 90 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	
Basement, Crawl Space No. 3	Fittings /Pipe Insulation (Approx. 80 - 90 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	
	Duct Insulation (Approx. 200 - 300 SQ FT)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	G **D** SD	4	4	

Information abstracted by: C. Notari and B. Tripp in July 30, 2019 Building Inspector's Certification No.: 027028-PA and 053975-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 CHART

HOMOGENEOUS SAMPLING MATERIAL		MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESEMENT	AHERA HAZARD	AHERA REMOVAL PRIORITY	NOTES
MATERIAL LOCATION	MATERIAL DESCRIPTION							
Basement, Crawl Space No. 1	Fittings /Pipe Insulation (Approx. 90 - 100 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	
	Duct Insulation (Approx. 200 - 300 SQ FT)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	G **D** SD	4	4	
Basement, Electrical Closet Supplies	Fittings /Pipe Insulation (Approx. 70 - 75 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	
Basement, Fan Room / Sandwich Prep	Fittings /Pipe Insulation (Approx. 100 - 110 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	
Basement, Crawl Space No. 2	Loose Fittings/Debris on floor (Indeterminate)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	G D **SD**	6	2	
Basement, Boiler Room	Fittings /Pipe Insulation (Approx. 300 - 350 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	G **D** SD	4	4	- Repair or Remove all damaged insulation
	Gaskets on Boiler	TSI SURFACE **Misc.**	**Assumed** or Analyzed	**F** NF-1 NF-2	**G** D SD	2	6	
Basement, Boiler Room Trench	Fittings /Pipe Insulation (Approx. 30 - 40 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	G **D** SD	4	4	
Basement, Stairwells "A", "B", "C", & "D"	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	- Encapsulate and repair all holes and broken areas. Stairwell "C", Repair Damaged Ceiling
Basement, Stairwell "B"	Fittings /Pipe Insulation (Approx. 50 - 60 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	F NF-1 **NF-2**	**G** D SD	2	6	
	Loosse Piece of Transite (Approx. 6 SQ FT)	TSI SURFACE **Misc.**	**Assumed** or Analyzed	F NF-1 **NF-2**	N/A	N/A	N/A	Removed, No documentation provided by the District

Information abstracted by: C. Notari and B. Tripp in July 30, 2019 Building Inspector's Certification No.: 027028-PA and 053975-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 CHART

HOMOGENEOUS SAMPLING MATERIAL		MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESMENT	AHERA HAZARD	AHERA REMOVAL PRIORITY	NOTES
MATERIAL LOCATION	MATERIAL DESCRIPTION							
Basement, Oil Tank Storage & Supply Room	Duct Insulation (Approx. 2,200 - 2,300 SQ FT)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	G **D** SD	5	3	- Insulation is deteriorating and loose (Approx. 100 - 150 SQ FT)
	Fittings /Pipe Insulation (Approx. 50 - 60 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	
1st Floor, Stairwell "C"	Fittings /Pipe Insulation (Approx. 4 - 5 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	
1st Floor, Stairwell "E"	Fittings /Pipe Insulation (Approx. 25 - 30 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	
1st Floor, Boys' Restroom & Chase	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	G **D** SD	5	3	- Encapsulate and repair all holes and broken areas
	Fittings /Pipe Insulation (Approx. 5 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	G D **SD**	6	2	- Remove loose debris in chase
1st Floor, Classrooms 101, 102, 103, 104, 105, 108, 109, 110, 112, Secretaries Office, and Principle's Office	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	- Minor cracking in some areas
1st Floor, Library Room 106	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	- Encapsulate and repair all holes and broken areas
1st Floor, Room 113	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	- Encapsulate and repair all holes and broken areas
	12"x12" Floor Tile & Mastic (Approx. 696 SQ FT)	TSI SURFACE **Misc.**	**Assumed** or Analyzed	F **NF-1** NF-2	**G** D SD	2	6	
1st Floor, Room 111	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	- Encapsulate and repair all holes and broken areas

Information abstracted by: C. Notari and B. Tripp in July 30, 2019 Building Inspector's Certification No.: 027028-PA and 053975-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 CHART

HOMOGENEOUS SAMPLING MATERIAL		MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESEMENT	AHERA HAZARD	AHERA REMOVAL PRIORITY	NOTES
MATERIAL LOCATION	MATERIAL DESCRIPTION							
1st Floor, Room 111	12"x12" Floor Tile & Mastic (Approx. 696 SQ FT)	TSI SURFACE **Misc.**	**Assumed** or Analyzed	F **NF-1** NF-2	**G** D SD	2	6	
1st Floor, Girls' Restroom	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	G **D** SD	4	4	- Encapsulate and repair all holes and broken areas
1st Floor, Corridor "A", "B", and Main Corridor	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	- Encapsulate and repair all holes and broken areas
1st Floor, Corridor "A"	Fittings /Pipe Insulation (Approx. 40 - 45 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	
1st Floor, Corridor "B"	Fittings /Pipe Insulation (Approx. 40 - 45 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	
2nd Floor, Classrooms 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 213, and 1123	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	- Encapsulate and repair all holes and broken areas - Room 202, Repair Damaged Ceiling - Room 212, Repair Damaged Ceiling and remove debris on lights
2nd Floor, Corridor "A"	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	- Encapsulate and repair all holes and broken areas
	Fittings /Pipe Insulation (Approx. 15 - 20 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	
2nd Floor, Main Corridor	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	- Encapsulate and repair all holes and broken areas
2nd Floor, Corridor "B"	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	- Encapsulate and repair all holes and broken areas
	Fittings /Pipe Insulation (Approx. 15 - 18 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	

Information abstracted by: C. Notari and B. Tripp in July 30, 2019 Building Inspector's Certification No.: 027028-PA and 053975-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 CHART

Scranton School District Building: Frances Willard Elementary School Dates of Original AHERA Inspection: July, 1988

HOMOGENEOUS SAMPLING MATERIAL		MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESMENT	AHERA HAZARD	AHERA REMOVAL PRIORITY	NOTES
MATERIAL LOCATION	MATERIAL DESCRIPTION							
2nd Floor, Boys' Restroom	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	G **D** SD	2	6	- Salient 2' x 2' - Plaster damaged 5 SQ FT
2nd Floor, Teachers Lounge & SBBH Room	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	- Ceiling was disturbed when wall was built in October 2017
2nd Floor, Speech Room	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	- Encapsulate and repair all holes and broken areas
	Wood Mastic (Indeterminate)	TSI **SURFACE** Misc.	**Assumed** or Analyzed	F **NF-1** NF-2	**G** D SD	2	6	
2nd Floor, Girls' Restroom	Plaster Walls and Ceiling (Indeterminate)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	G **D** SD	4	4	- Appears to be some loose deris in Chase to right of door
Thoughout Building	Ductwork Flex Connections	TSI SURFACE **Misc.**	**Assumed** or Analyzed	F **NF-1** NF-2	**G** D SD	2	6	
	Exterior Door Caulk (Indeterminate)	TSI SURFACE **Misc.**	Assumed or **Analyzed**	F **NF-1** NF-2	**G** D SD	2	6	
	Mastic Behind Chalkboards, panels, and wallboards, etc.	TSI SURFACE **Misc.**	**Assumed** or Analyzed	F **NF-1** NF-2	**G** D SD	2	6	
Attic	Plaster Walls and Ceiling (Indeterminate)	TSI **SURFACE** Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	**G** D SD	2	6	- Encapsulate and repair all holes and broken areas
	Fittings /Pipe Insulation (Approx. 400 - 600 LF)	**TSI** SURFACE Misc.	Assumed or **Analyzed**	**F** NF-1 NF-2	G **D** SD	4	4	- Blown in insulation was added in late 2017, unknown if any debris or damaged items were repaired or removed

Information abstracted by: C. Notari and B. Tripp in July 30, 2019 Building Inspector's Certification No.: 027028-PA and 053975-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"

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

APPENDIX B

TEST RESULTS FOR SUSPECTED ASBESTOS-CONTAINING MATERIALS:

2016 LABORATORY REPORTS

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:	041620898
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:	07/29/2016 9:45 AM
		Analysis Date:	08/02/2016 - 08/03/2016
		Collected Date:	07/28/2016
Project:	SSD 16_751 Willard		

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**
01 *041620898-0001*	Coal storage room - Ceiling layer	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
02 *041620898-0002*	Boiler room-Boiler No. 1 - Fiberglass mastic	White Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
03 *041620898-0003*	Boiler room - Ceiling layer-outer layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04 *041620898-0004*	Boiler room - Ceiling layer-inner (2x2 block) layer	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05 *041620898-0005*	Boiler room - Feed pump tank outer layer	Gray Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
06 *041620898-0006*	Boiler room - Feed pump tank outer layer	Various Fibrous Homogeneous	40% Cellulose 15% Glass	45% Non-fibrous (Other)	None Detected
07 *041620898-0007*	Boiler room - Fiberglass mastic	White Non-Fibrous Homogeneous	10% Min. Wool	90% Non-fibrous (Other)	None Detected
08 *041620898-0008*	Basement crawlspace - Vapor barrier	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09 *041620898-0009*	Basement crawlspace - Interior window caulking	Gray/Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10W *041620898-0010*	Basement hallway next to music room - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11B *041620898-0011*	Basement hallway next to music room - Plaster base layer	Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
12W *041620898-0012*	Basement boys' restroom - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13B *041620898-0013*	Basement boys' restroom Plaster base layer	Gray Non Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
14 *041620898-0014*	Exterior of building - Window caulking	Gray Non-Fibrous Homogeneous	3% Glass	97% Non-fibrous (Other)	None Detected
15W *041620898-0015*	1st floor, Room 113 - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16B *041620898-0016*	1st floor, Room 113 - Plaster base layer	Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile

Initial report from: 08/03/2016 07:51:07

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: 041620898
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**
17W *041620898-0017*	1st floor, Room 104 - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18B *041620898-0018*	1st floor, Room 104 - Plaster base layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19W *041620898-0019*	1st floor, Room 101 - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20B *041620898-0020*	1st floor, Room 101 - Plaster base layer	Gray Non-Fibrous Homogeneous	3% Hair	97% Non-fibrous (Other)	None Detected
21 *041620898-0021*	1st floor, library - Sheetrock	White Fibrous Homogeneous	2% Cellulose 3% Glass	95% Non-fibrous (Other)	None Detected
22 *041620898-0022*	1st floor, library - Joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
23W *041620898-0023*	2nd floor, Room 209 - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
24B *041620898-0024*	2nd floor, Room 209 - Plaster base layer	Brown Non-Fibrous Homogeneous	3% Hair	97% Non-fibrous (Other)	<1% Chrysotile
25W *041620898-0025*	2nd floor, Room 203 - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26B *041620898-0026*	2nd floor, Room 203 - Plaster base layer	Brown Non-Fibrous Homogeneous	2% Hair	98% Non-fibrous (Other)	None Detected
27 *041620898-0027*	2nd floor, boys' room - Floor debris in toilet chase	Gray Fibrous Homogeneous		50% Non-fibrous (Other)	50% Chrysotile
28W *041620898-0028*	2nd floor, Room 202 - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
29B *041620898-0029*	2nd floor, Room 202 - Plaster base layer	Brown Fibrous Homogeneous	8% Hair	92% Non-fibrous (Other)	<1% Chrysotile
30 *041620898-0030*	Exterior of building, north side - Exterior door caulking	Various Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
31 *041620898-0031*	Exterior of building, south side - Exterior window caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
32 *041620898-0032*	Attic - Roof decking	White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected

Initial report from: 08/03/2016 07:51:07

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:	041620898
Customer ID:	CLAG50
Customer PO:	
Project ID:	

Analyst(s)

Nancy Stalter (12)
Will DiBella (20)

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, A HA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from: 08/03/2016 07:51:07

OrderID: 041620898

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number *(Lab Use Only)*: 041620898

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 Willard	**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:** 07-28-2016

Samplers Name: Chris Notari / Brent Tripp **Samplers Signature:** Brent M Gija

Sample #	HA #	Sample Location	Material Description
01		Coal Storage Room	Ceiling Layer
02		Boiler Room - Boiler No. 1	Fiberglass Mastic
03		Boiler Room	Ceiling Layer - Outer Layer
04		Boiler Room	Ceiling Layer - Inner (2'x2' Block) Layer
05		Boiler Room	Feed Pump Tank Outer Layer
06		Boiler Room	Feed Pump Tank Inner Layer
07		Boiler Room	Fiberglass Mastic
08		Basement Crawl Space	Vapor Barrier
09		Basement Crawl Space	Interior Window Caulking
10 W		Basement Hallway next to Music Room	Plaster White Layer

RECEIVED EMSL CINNAMINSON, NJ 16 JUL 29 AM 11:16

Client Sample # (s): - **Total # of Samples:** Thirty-Two (32)

Relinquished (Client): Brent M Gija **Date:** 07-28-2016 **Time:** 3:00 PM

Received (Lab): KD EMSL **Date:** 7-29-2016 **Time:** 9:45 AM

Comments/Special Instructions:

32

EMSL ANALYTICAL, INC.
LABORATORY · PRODUCTS · TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number *(Lab Use Only)*:

041620898

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
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 B		Basement Hallway next to Music Room	Plaster Base Layer
12 W		Basement Boy's Rest Room	Plaster White Layer
13 B		Basement Boy's Rest Room	Plaster Base Layer
14		Exterior Of Building	Window Caulking
15 W		1st Floor, Room 113	Plaster White Layer
16 B		1st Floor, Room 113	Plaster Base Layer
17 W		1st Floor, Room 104	Plaster White Layer
18 B		1st Floor, Room 104	Plaster Base Layer
19 W		1st Floor, Room 101	Plaster White Layer
20 B		1st Floor, Room 101	Plaster Base Layer
21		1st Floor, Library	Sheetrock
22		1st Floor, Library	Joint Compound
23 W		2nd Floor, Room 209	Plaster White Layer
24 B		2nd Floor, Room 209	Plaster Base Layer
25 W		2nd Floor, Room 203	Plaster White Layer
26 B		2nd Floor, Room 203	Plaster Base Layer
27		2nd Floor, Boy's Room	Floor Debris in Toilet Chase
28 W		2nd Floor, Room 202	Plaster White Layer
29 B		2nd Floor, Room 202	Plaster Base Layer
30		Exterior Of Building, North Side	Exterior Door Caulking
31		Exterior Of Building, South Side	Exterior Window Caulking
32		Attic	Roof Decking

RECEIVED
EMSL
CINNAMINSON, NJ
16 JUL 29 AM 11:19

***Comments/Special Instructions:**

Controlled Document – Asbestos COC – R5 – 11/29/2012