3-YEAR ASBESTOS RE-INSPECTION REPORT

WEST SCRANTON INTERMEDIATE 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:

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ASBESTOS INSPECTION

For the property known as:

WEST SCRANTON INTERMEDAITE SCHOOL

SECTION 1 EXECUTIVE SUMMARY

An Asbestos Materials Inspection Survey was conducted on July 31, 2019 at the above-listed location. The purpose of the survey was to visually locate, identify, and quantify asbestoscontaining building materials. The survey was conducted by Certified Asbestos Inspector, Brent Tripp (DLI Asbestos Inspector Certification #053975) and Gary Marshall.

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.) asbestoscontaining 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 activities for the school building in Section 7.

SECTION 2 INTRODUCTION

An Asbestos Materials Inspection of the West Scranton Intermediate 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 the West Intermediate School Administration Office.

SECTION 3 BUILDING DISCRIPTION

West Scranton Intermediate School, located at Fellows Street and Parrott Avenue, Scranton, PA is a structural steel and masonry building constructed in 1967. The building consists of a partial ground floor, first floor, three (3) upper level mechanical rooms, and contains approximately 174,166 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 ongoing 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 West Scranton Intermediate 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 Reinspection Report is included in Appendix B.

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

- 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

- All layers of hard wall and ceiling plasters
- All ceiling tile (Previously tested by others)
- Boiler Room Ceiling
- Carpet Mastic
- Shop Kiln Lining
- Roof Drain Fittings
- Acoustical Fabric (Music and Auditorium Areas)
- Cementitious Fittings

SECTION 7 RECOMMENDATIONS

- A. Any Materials listed as assumed Asbestos Containing Materials (PACM) in Appendix A shall either by assumed to contain asbestos or should be analyzed 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 West Scranton Intermediate School.
- C. All Presumed or Confirmed Asbestos Containing Materials that will be potentially damaged by any activity (renovation, demolition, maintenance, etc.) shall be:
 - 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

Scranton School District

Building: West Scranton Intermediate School

Dates of Original AHERA Inspection: July, 1988

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NF-2 = Non-Friable Information abstracted by: B. Tripp and G. Marshall in July, 2019 Friability: F = Friable, NF-1 = Non-Friable, NF-2 = Nor

Building Inspector's Certification No.: 027028-PA Assessment: G = Good, D = Damaged, AHERA Assessment / Hazard Rank / Removal Priority ≈ See Attached Document, "RESPONSE ACTIONS BASED ON HAZARD RANKING"

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Information abstracted by: B. Tripp and G. Marshall in July, 2019 Friability: F = Friable,

AHERA Assessment / Hazard Rank / Removal Priority = See Attached Document, "RESPONSE ACTIONS BASED ON HAZARD RANKING" NF-2 = Non-Friable NF-1 = Non-Friable,

Building Inspector's Certification No.: 027028-PA D = Damaged, G = Good, Assessment:

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newer. This Floor Tile should be testing - Library - All Pods & Library (Near boys, and girls Restroom), Repair cracks. Main - Blue Floor Tile in Room B, appears - Exit Corridor No. 3, Repair cracks - Exit Corridor No. 1, Repair cracks - Exit Corridor No. 2, Repair cracks - Exit Corridor No. 4, Repair cracks Yellow Floor Tile in Storage testing prior to disturbance. 22 - 24 cracked / broken Rooms A, D, & C, should be Encapsulate all holes and/or - Tile Exsists Under Carpet - Remove and replace Entrance, Repair Cracks - Panel is attached to prior to disturbance. Shop Equipment Mastic Assumed General Note: broken areas floor tiles NOTES AHERA REMOVAL PRIORITY 9 9 9 ٥ m 4 2 / Ŋ HAZARD AHERA Ŋ 4 m 2 2 \vdash ന 2 2 ASSESMENT AHERA ۵ م ۵ S S **D** G **6** D S 0 G S 0 0 S 0 0 S G Δ S G Δ FRIABILITY NF-1 NF-2 NF-2 NF-1 NF-2 NF-1 NF-1 NF-2 NF-1 NF-2 NF-1 NF-2 NF-1 NF-1 NF-2 NF-2 NF-2 **NF-1** u. ш ш ц, ш ш ASBESTOS CONTENT Analyzed Analyzed Analyzed Analyzed Analyzed Assumed Analyzed Assumed Analyzed Analyzed Assumed Assumed Assumed Assumed Assumed Analyzed Assumed Assumed P ö P ö MATERIAL CATEGORY SURFACE SURFACE SURFACE SURFACE SURFACE SURFACE SURFACE SURFACE SURFACE Misc. Misc. Misc. Misc. Misc. Misc. Misc. Misc. Misc. īS TSI TSI TSI TSI TSI TSI TSI TSI 12"x12" Floor Tile & Mastic wallboards, chalkboards, etc. 12"x12" Floor Tile & Mastic Mastic Glue Mastic Behind MATERIAL DESCRIPTION (Approx. 2,445 SQ FT) (Approx. 415 SQ FT) (Approx. 300 SQ FT) (Approx. 250 SQ FT) (Approx. 150 SQ FT) (Includes Sheetrock) (Approx. 12 SQ FT) Transite Panel on (Indeterminate) Shop Equipment (Indeterminate) Joint Compound Lab Tables HOMOGENEOUS SAMPLING MATERIAL Stairs and Computer Hub room Lambda House, Theta House, Storage Rooms "C", & "D" PHI House, and Art Room Gym Passageway No. 2 Gym Passageway No. 1 Auxiliary Gymnasium MATERIAL LOCATION Thoughtout Building Gym Storage Rooms Auxiliary Gym above stage **Nood Shop** 2nd Floor, 1st Floor, 1st Floor, "A", "B", 1st Floor, 1st Floor, 1st Floor,

NF-2 = Non-FriableInformation abstracted by: B. Tripp and G. Marshall in July, 2019 NF-1 = Non-Friable, Friability: F = Friable,

Building Inspector's Certification No.: 027028-PA D = Damaged, AHERA Assessment / Hazard Rank / Removal Priority = See Attached Document, "RESPONSE ACTIONS BASED ON HAZARD RANKING" G = Good,

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Dates of Original AHERA Inspection: July, 1988

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NOTES **AHERA REMOVAL** PRIORITY / / / / / AHERA HAZARD **ASSESMENT** AHERA S □ C 0 0 8 0 0 SD ŋ FRIABILITY **NF-1** NF-2 **NF-1** NF-2 ь **NF-1** NF-2 **NF-1** NF-2 **NF-1** NF-2 ASBESTOS CONTENT Analyzed Analyzed Assumed Assumed Assumed Analyzed Assumed Assumed Analyzed Analyzed ō ŏ ō ŏ ö CATEGORY MATERIAL SURFACE SURFACE SURFACE SURFACE SURFACE Misc. Misc. Misc. Misc. Misc. TSI TSI TSI TSI **Ductwork Flex Connections** MATERIAL DESCRIPTION Assumed Mastic under Black Sink Coating on Exterior Base of Sinks (Indeterminate) (Indeterminate) (Indeterminate) (Indeterminate) Wood Railings Vapor Barriers **Boiler Gaskets** HOMOGENEOUS SAMPLING MATERIAL MATERIAL LOCATION Thoughtout Building

NF-2 = Non-Friable Information abstracted by: B. Tripp and G. Marshall in July, 2019 NF-1 = Non-Friable, Friability: F = Friable, AHERA Assessment / Hazard Rank / Removal Priority = See Attached Document, "RESPONSE ACTIONS BASED ON HAZARD RANKING"

Building Inspector's Certification No.: 027028-PA

D = Damaged, Assessment: G = Good,

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: 041618644 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: 07/08/2016 9:40 AM **Analysis Date:** 07/11/2016 - 07/12/2016

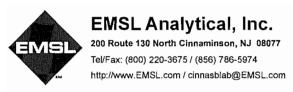
Collected Date:

Project: SSD 16_751 West Intermidiate

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

			Non-Asbes	stos	<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
01 041618644-0001	Boiler Room - Fiberglass Mastic	Tan/Green Fibrous Homogeneous	20% Cellulose 20% Min. Wool	60% Non-fibrous (Other)	None Detected
02	Boiler Room - Fiberglass Mastic	Tan/Green Fibrous	15% Min. Wool	85% Non-fibrous (Other)	None Detected
041618644-0002		Homogeneous			
03 041618644-0003	Boiler Room near Hot Water Tank - Duct Insulation Outer Layer	Brown/White Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
04	Boiler Room near Hot Water Tank - Duct	Tan Fibrous	75% Cellulose	25% Non-fibrous (Other)	None Detected
041618644-0004	Insulation Inner Layer	Homogeneous			
05 041618644-0005	Boiler Room near Pit - Duct Insulation Outer Layer	White Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
041618644-0006	Boiler Room near Pit - Duct Insulation Inner Layer	Brown/Silver Fibrous Homogeneous	60% Cellulose 10% Min. Wool	30% Non-fibrous (Other)	None Detected
07	Boiler Room - Interior Window Caulking	White/Yellow/Green Non-Fibrous		100% Non-fibrous (Other)	None Detected
041618644-0007		Homogeneous			
08 041618644-0008	Boiler Room - Interior Door Caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09	Elevator Hallway outside Mechanical Room - 1x1 Ceiling	Gray/White Fibrous Homogeneous	60% Cellulose 30% Min. Wool	10% Non-fibrous (Other)	None Detected
	Tile				
10 041618644-0010	Health Room Rear Exam - 2x4 Ceiling Tile with Brown Backing	Brown/Gray Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
11 041618644-0011	Health Room Large Exam Room - 2x4 Ceiling Tile with	Tan/White Fibrous Homogeneous	60% Celfulose 30% Min. Wool	10% Non-fibrous (Other)	None Detected
12 W	Brown Backing Health Room Shower Area - Ceiling Plaster	White Non-Fibrous		100% Non-fibrous (Other)	None Detected
041618644-0012	(White)	Homogeneous			
13 B	Health Room Shower Area - Ceiling Plaster	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
041618644-0013	(Base)	Homogeneous			
14 041618644-0014	Student Activities - Ceiling Light Ceiling Tile	Gray/White Fibrous Homogeneous	15% Cellulose 60% Min. Wool	25% Non-fibrous (Other)	None Detected
15	Front Entrance	Brown/White	20% Cellulose	70% Non-fibrous (Other)	None Detected
041618644-0015	Ceiling over Driveway - Smooth 2x4 Ceiling Tile	Fibrous Homogeneous	10% Glass	, 076 INDIFIIDIOUS (Other)	None Detected

(Initial Report From: 07/13/2016 07:15:34



Customer PO: Project ID:

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

			Non-Asbe	stos	<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
16 041618644-0016	Front Entrance Ceiling over Driveway - Small Striation 2x4 Ceiling Tile	Tan/White Fibrous Homogeneous	20% Cellulose 70% Min. Wool	10% Non-fibrous (Other)	None Detected
17	Lower Level Main Lobby below Main	Yellow Non-Fibrous		100% Non-fibrous (Other)	None Detected
041618644-0017	Staircase - Mastic Under Blue Carpet	Homogeneous			
18 041618644-0018	Office Area Paper Storage Room - Black Mastic under Yellow Floor Tile	Black Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
19 041618644-0019	Main Staircase Landing - Joint Compound	White Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
20	Main Staircase Landing - Sheetrock	White Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
21 041618644-0021	Main Staircase Landing - Joint Compound	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
041618644-0022	Main Floor Top of Main Staircase on Wall Above - Popcorn Wall	Brown/White Fibrous Homogeneous	10% Cellulose 3% Glass	87% Non-fibrous (Other)	None Detected
23 041618644-0023	Woodshop Gas Furnace / Kiln - Outside Layer Pink	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
24 041618644-0024	Woodshop Gas Furnace / Kiln - Inside Layer Tan	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25 041618644-0025	Art / Photo Room - Cementitious Window Caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26 041618644-0026	Home Economics - Floor Leveler	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
041618644-0027	Home Economics - Interior Door Caulking	Gray Non-Fibrous Homogeneous	_	100% Non-fibrous (Other)	None Detected
28	Home Economics - Cementitious Exterior Window Caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
29	Home Economics - Window Sill (Slate) Interior	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
30	Lambda House Office - Kick Molding Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
31 041618644-0031	Hallway next to Peer Mediation Orange and Yellow Lockers - Joint Compound	White Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
32 041618644-0032	Hallway next to Peer Mediation Orange and Yellow Lockers - Sheetrock	Brown/White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected

Initial Report From: 07/13/2016 07:15:34

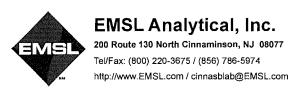


Customer PO: Project ID:

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

			Non-Asbes	itos	<u>Asbestos</u>	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
33 041618644-0033	Mrs. Tunny's 8th Grade / Peer Mediation - Floor Leveler	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
34 W	THETA House - Plaster 1st Layer	White Non-Fibrous		100% Non-fibrous (Other)	None Detected	
041618644-0034	White	Homogeneous				
35 B 041618644-0035	THETA House - Plaster 2nd Layer Base	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
36	THETA House - Material Round Roof	Gray/White Fibrous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected	
041618644-0036	Fitting	Homogeneous				
37 041618644-0037	Hallway next to Gymnasium - Orange and Yellow Lockers - Sheetrock	Brown/White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected	
38 041618644-0038	Hallway next to Gymnasium - Orange and Yellow Lockers - Joint Compound	White Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile	
39	Gymnasium Storage Room - Interior Door	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected	
041618644-0039	Caulking	Homogeneous				
40 041618644-0040	Gymnasium Hallway Janitors Closet - Interior Door Caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
41	Hallway next to Gymnasium - Orange	White Fibrous		100% Non-fibrous (Other)	<1% Chrysotile	
041618644-0041	and Yellow Lockers - Joint Compound	Homogeneous				
42 041618644-0042	Hallway next to Gymnasium - Orange and Yellow Lockers -	Brown/Gray Fibrous Homogeneous	15% Cellulose 5% Glass	80% Non-fibrous (Other)	None Detected	
	Sheetrock					
43 041618644-0043	Hallway next to Gymnasium - Orange and Yellow Lockers -	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
44	Expansion Joint 2nd Floor Mechanical Room - Fiberglass	White/Green Fibrous	70% Cellulose	30% Non-fibrous (Other)	None Detected	
041618644-0044	Mastic Ends	Homogeneous	-			
45	2nd Floor Mechanical Room - Fittings	Gray Fibrous	30% Min. Wool	70% Non-fibrous (Other)	None Detected	
041618644-0045	2nd Eleas Marchantaria	Homogeneous	95% Cellulose	50/ Non fiberra (Other)	None Detected	
46 W 041618644-0046	2nd Floor Mechanical Room - Ductwork Insulation Outer Layer	White Fibrous Homogeneous	93% Cellulose	5% Non-fibrous (Other)	None Detected	
47 B	2nd Floor Mechanical Room - Ductwork	Brown/Silver Fibrous	80% Cellulose	20% Non-fibrous (Other)	None Detected	
041618644-0047	Insulation Inner Layer	Homogeneous				
48	PHI House (Orange) - Expansion Joint	Gray/White Non-Fibrous		100% Non-fibrous (Other)	None Detected	
041618644-0048		Homogeneous				
49 041618644-0049	PHI House (Orange) Above Restroom Entrance - Joint Compound	White Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile	

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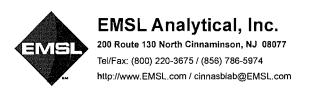


Customer PO: Project ID:

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

			Non-Asbe	<u>stos</u>	<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
50 041618644-0050	Stage Loft - Ceiling Plaster	Brown/White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
51	Mechanical Room #2	White/Blue		100% Non-fibrous (Other)	None Detected
51	- Above Stage - Wall	Non-Fibrous		100% Holl librods (Other)	Hone Beleeted
041618644-0051	Foam - Outer White Layer	Homogeneous			
52	Mechanical Room #2	White/Blue		100% Non-fibrous (Other)	None Detected
041618644-0052	- Above Stage - Wall Foam - Outer White Layer	Non-Fibrous Homogeneous			
53	Mechanical Room #2	White		100% Non-fibrous (Other)	None Detected
041618644-0053	- Above Stage - Wall Foam - Outer White Layer	Non-Fibrous Homogeneous			
 54 W	Mechanical Room #2	White	80% Cellulose	20% Non-fibrous (Other)	None Detected
	- Above Stage -	Fibrous			
041618644-0054	Ductwork Insulation Outer Layer	Homogeneous			
 55 B	Mechanical Room #2	Brown/Silver	80% Cellulose	20% Non-fibrous (Other)	None Detected
044040044-0055	- Above Stage -	Fibrous			
041618644-0055	Ductwork Insulation Inner Layer	Homogeneous			
56	Mechanical Room #2	Gray		100% Non-fibrous (Other)	None Detected
044048044 0050	- Above Stage -	Non-Fibrous			
041618644-0056	Cementitious Layer on Top of CMU Wall	Homogeneous			
57	Mechanical Room #2	Gray		100% Non-fibrous (Other)	None Detected
041618644-0057	 Above Stage - Cementitious Layer 	Non-Fibrous Homogeneous			
	on Top of CMU Wall	- Tolllogelleous			
58	Mechanical Room #2	Gray		100% Non-fibrous (Other)	None Detected
041618644-0058	- Above Stage - Cementitious Layer	Non-Fibrous			
U+141094+-VU36	on Top of CMU Wall	Homogeneous			
59	Mechanical Room #2	Gray	30% Min. Wool	70% Non-fibrous (Other)	None Detected
041618644-0059	 Above Stage - Cementitious Roof 	Fibrous Homogeneous			
	Drain Fitting	Homogeneous			
60 W	Mechanical Room #2	White		100% Non-fibrous (Other)	None Detected
041618644-0060	- Above Stage - Staircase Wall Interior	Non-Fibrous Homogeneous			
	Layer White	omogeneous			
61 B	Mechanical Room #2	Gray		100% Non-fibrous (Other)	None Detected
041618644-0061	- Above Stage - Staircase Wall Interior	Non-Fibrous Homogeneous			
	Layer Base				
62	Auditorium Rear Wall	Black	75% Cellulose	25% Non-fibrous (Other)	None Detected
041618644-0062	- Acoustical Fabric	Fibrous Homogeneous			
63 W	Auditorium Rear -	White		100% Non-fibrous (Other)	None Detected
	Ceiling 1st Layer	Non-Fibrous			
041618644-0063	White	Homogeneous		4000/ No. 61 - 701 - 7	No. of Proceedings
64 B	Auditorium Rear - Ceiling 2nd Layer	Gray Non-Fibrous		100% Non-fibrous (Other)	None Detected
041618644-0064	Base	Homogeneous			

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Customer PO: Project ID:

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

		Non-Asbestos			<u>Asbestos</u>	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
65 041618644-0065	Peer Mediation Orange and Yellow Locker Hallway - Joint Compound	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile	
66 041618644-0066	Peer Mediation Orange and Yellow Locker Hallway - Sheetrock	Brown/Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected	
67 041618644-0067	Exterior of Building (Lambda House) - Door Caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
68 041618644-0068	Exterior of Building (Lambda House) - Window Caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
69 041618644-0069	Exterior of Building (Lambda House) Corner of Building - Expansion Joint	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
70 041618644-0070	Exterior of Building (Lambda House) Face of Building - Expansion Joint	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
71 041618644-0071	Exterior of Building (Lambda House) - Window Caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
72 041618644-0072	Exterior of Building (Lambda House) - Window Caulking	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
73 041618644-0073	Exterior of Building (Lambda House) - Window Caulking	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	

Analyst(s)

Alexis Kum (51)

Christina Shriver (7)

Rebecca Siegel (10)

William Bradford (5)

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: 07/13/2016 07:15:34

OrderID: 041618644

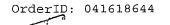


Asbestos Bulk Building Material Chain of Custedy EMSL Order Number Aid (1888) വേട്ടി

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

FAX: (856) 786-5974

LABORATORY-PRODUCTS-TRAIN	and a	2	BIB_UL -8_A	10.1.0	FAX: (856) /86-59/4	
					Same Different	
	ek Associates, In	<u>C,</u>		If Bill to is Different note instructions in Comments**		
Street: 401 Day					ten authorization from third party	
city: Clarks Su	rrımit sı	ate/Province: PA	Zip/Postal Code		Country: U.S.A.	
Report To (Name): Chris Notari			Telephone #: 5	570-586-9700		
Email Address: guzekassoc@aol.com Fax			Fax #: 570-58	36-6728	Purchase Order:	
Project Name/Nun	ber: SSD 16_751 We		Please Provide		x 🛚 Email	
U.S. State Sample	s Taken: Pennsylvan			Commercial/Tax	xable Residential/Tax Exempt	
☐ 3 Hour ☐		Turnaround Time (T		ase Check	☐ 1 Week ☐ 2 Week	
*For TEM Air 3 hr thro	ugh 6 hr, please call ahead	to schedule. There is a p	remium charge for 3 Ho	ur TEM AHERA or EP	PA Level II TAT. You will be asked to sign	
	n form for this service. An M - Bulk (reporting lis		dance with EMSL's Ten 	ns a <u>nd Conditions loc</u> TEM	ated in the Analytical Price Guide.	
☑ PLM EPA 600/R		inti	TEM EPA NOR		116 Section 2.5.5.1	
☐ PLM EPA NOB			☐ NY ELAP Meth		110 0001011 2.0.0.1	
) (<0.25%) 🔲 1000 (<	0.1%)	☐ Chatfield Proto		tive)	
	imetric 400 (<0.25%		·	`	3/116 Section 2.5.5.2	
☐ NIOSH 9002 (<			☐ TEM Qualitative			
	od 198.1 (friable in NY)) ,	☐ TEM Qualitative	e via Drop Mount I	Prep Technique	
☐ NY ELAP Meth	od 198.6 NOB (non-fria	able-NY)		<u>Oth</u>	<u>ier</u>	
☐ OSHA ID-191 M					.	
☐ Standard Addit	on Method					
☐ Check For Pos	itive Stop – Clearly Id	entify Homogenous	Group Date San	npled: 07-07-20	16	
Samplers Name:	Chris Notari / Brent Tr	ipp	Samplers Sig	gnature:	But alin	
Sample # HA#		Sample Location		I. N	Material Description	
01	Boiler Room			Fiberglass M	astic	
02	Boiler Room			Fiberglass M	lastic	
03	Boiler Room - N	lear Hot Water Tank		Duct Insulation	on - Outer Layer	
04	Boiler Room - N	ear Hot Water Tank		Duct Insulation	on - Inner Layer	
` 05	, Boiler Room - N	lear Pit	_	Duct Insulation	n - Outer Layer	
06	Boiler Room - N	lear Pit		Duct Insulation	n - Inner Layer	
07	Boiler Room			Interior Windo	ow Caulking	
08 ·	Boiler Room			Interior Door	Caulking	
09	Elevator Hallway	, Outside Mechanical	Room	1X1 Ceiling Til	le	
10	Health Room - R	ear Exam Room		2X4 Ceiling Ti	ile with Brown Backing	
Client Sample # (s):			Total # c	of Samples: Seventy-Three (73)	
Relinquished (Clie		Da Da		<u> </u>	Time: 3:00 PM	
Received (Lab):	4/1/1/1/2	Must	ne: 7/8/4	م	-1 ~ 000	
	Instructions	Day Day	te: // • / 42	<i>,</i>	Time: UYFU	
Comments/Speciá	Instructions:	Date of the Date o	te: // 1/42	<u> </u>	Time: 0770	





Asbestos Bulk Building Material Chain of Custody EMSL Order Number (Lab Use Only):

2016 JUL -8 A 10: 40

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

mple#	HA#	Sample Location	Material Description
11		Health Room - Large Exam Room	2X4 Ceiling Tile with Brown Backing
12 W		Health Room Shower Area	Ceiling Plaster (White)
13 B		Health Room Shower Area	Ceiling Plaster (Base)
14		Student Activities	Ceiling Light, Ceiling Tile
15		Front Entrance Ceiling over driveway	Smooth 2X4 Ceiling Tile
16		Front Entrance Ceiling over driveway	Small Striation 2X4 Ceiling Tile
17		Lower Level - Main Lobby below Main Staircase	Mastic Under Blue Carpet
18	-	Office Area - Paper Storage Room	Black Mastic under Yellow Floor Tile
19		Main Stalrcase Landing	Joint Compound
20		Main Staircase Landing	Sheetrock
21		Main Staircase Landing	Joint Compound
_ 22		Main Floor Top of Main Staircase on Wall above	Popcom Wall
23		Woodshop - Gas Furnace / Kiln	Outside Layer - Pink
24		Woodshop - Gas Furnace / Kiln	Inside Layer - Tan
25		Art / Photo Room	Cementitious Window Caulking
26		Home Economics	Fioor Leveler
27		Home Economics	Interior Door Caulking
28		Home Economics	Cementitious Exterior Window Caulking
29		Home Economics	Window Sill (Slate) - Interior
30		Lambda House - Office	Kick Molding Mastic
31		Hallway next to Peer Mediation - Orange & Yellow Lockers	Joint Compound
32		Hallway next to Peer Mediation - Orange & Yellow Lockers	Sheetrock
33		Mrs. Tunny's 8th Grade / Peer Mediation	Floor Leveler
34 W		THETA House	Plaster - 1st Layer (White)

OrderID: 041618644



Asbestos Bulk Building Material ED Chain of Custody FMSL EMSL Order Number (Lab Use OM) NSON, NJ

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

FAX: (856) 786-5974

FAX:

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

Sample #	HA#	Sample Location	Material Description
35 B		Theta House	Plaster - 2nd Layer (Base)
36		Theta House	Material Round Roof Fitting
37		Hallway next to Gymnasium - Orange & Yellow Lockers	Sheetrock
38		Hallway next to Gymnasium - Orange & Yellow Lockers	Joint Compound
39		Gymnasium Storage Room	Interior Door Caulking
40		Gymnasium Hallway, Janitors Closet	Interior Door Caulking
41		Hallway next to Gymnasium - Orange & Yellow Lockers	Joint Compound
42		Hallway next to Gymnasium - Orange & Yellow Lockers	Sheetrock
43		Hallway next to Gymnasium - Orange & Yellow Lockers	Expansion Joint
44		2nd Floor Mechanical Room	Fiberglass Mastic Ends
45		2nd Floor Mechanical Room	Fittings
46 W	-	2nd Floor Mechanical Room	Ductwork Insulation - Outer Layer
47 B	•	2nd Floor Mechanical Room	Ductwork Insulation - Inner Layer
48		PHI House (Orange)	Expansion Joint
49		PHI House (Orange) - Above Rest Room Entrance	Joint Compound
50		Stage Loft	Ceiling Plaster
51		Mechanical Room #2, Above Stage	Wall Foam - Outer White Layer
52		Mechanical Room #2, Above Stage	Wall Foam - Outer White Layer
53		Mechanical Room #2, Above Stage	Wall Foam - Outer White Layer
54 W		Mechanical Room #2, Above Stage	Ductwork Insulation - Outer Layer
55 B		Mechanical Room #2, Above Stage	Ductwork Insulation - Inner Layer
56		Mechanical Room #2, Above Stage	Cementitious Layer on top of CMU Wall
57		Mechanical Room #2, Above Stage	Cementitious Layer on top of CMU Wall
58		Mechanical Room #2, Above Stage	Cementitious Layer on top of CMU Wall

Page 3 of 4 pages

rderID: 041618644



Asbestos Bulk Building Material Chain of Custody EMSL Order Numben (Lab) Use Only):

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
59		Mechanical Room #2, Above Stage	Cementitious Roof Drain Fitting
60 W		Mechanical Room #2, Above Stage	Staircase Wall - Interior Layer (White)
61 B		Mechanical Room #2, Above Stage	Staircase Wall - Exterior Layer (Base)
62		Auditorium - Rear Wall	Acoustical Fabric
63 W		Auditorium - Rear	Ceiling - 1st Layer (White)
64 B		Auditorium - Rear	Ceiling - 2nd Layer (Base)
65		Peer Mediation - Orange & Yellow Locker Hallway	Joint Compound
66	•	Peer Mediation - Orange & Yellow Locker Hallway	Sheetrock
67		Exterior of Building (Lambda House)	Door Caulking
68		Exterior of Building (Lambda House)	Window Caulking
69		Exterior of Building (Lambda House) - Corner of Building	Expansion Joint
70		Exterior of Building (Lambda House) - Face of Building	Expansion Joint
71		Exterior of Building (Lambda House)	Window Caulking
72		Exterior of Building (Theta House)	Window Caulking
73		Exterior of Building (Theta House)	Window Caulking
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Page 4 of 4 pages



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: 041608642 Customer ID: CLAG50 Customer PO: 040516 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: 04/06/2016 9:50 AM

Analysis Date: 04/06/2016 **Collected Date:** 04/05/2016

Project: SSDWestInt

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

		Non-Asbestos			<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
01	Kitchen area-Above colling - TSI-Silver/brown paper/cloth over fiberglass insulation	Brown/Silver Flbrous Homogeneous	80% Celluiose 10% Giass	10% Non-fibrous (Other)	None Detected
02 041608642-0002	Kitchen area-Above ceiling - TSI-Cementitious elbow	Gray Fibrous Homogeneous	30% Glass	70% Non-fibrous (Other)	None Detected
03	Kitchen area-Above celling - TSI-Cementitious fitting	Gray Fibrous Homogeneous	30% Glass	70% Non-fibrous (Other)	None Detected
04	Kitchen area-Above ceiling - TSI-Cementitious elbow	Brown Fibrous Homogeneous	30% Min. Wool	70% Non-fibrous (Other)	None Detected
05 041608642-0005	Kitchen area-Above ceiling - TSI-Paper/cloth coating over fiberglass	Brown Fibrous Homogeneous	70% Cellulose 15% Glass	15% Non-fibrous (Other)	None Detected
06 041608642-0006	Kitchen area-Above ceiling - TSI-Mastic packing over fiberglass ends	Gray Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
07	Kitchen area-Above ceiling - TSI-Cementitious fitting	Gray Fibrous Homogeneous	40% Min. Wool	60% Non-fibrous (Other)	None Detected
08 041608642-0008	Kitchen area-Above ceiling - TSI-Paper/cloth over cementitions filling	White Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected

Analyst(s)	
Kelly Mulholland (5)	
Steven Quinn (3)	

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: 04/06/2016 13:56:10

EMSL Analytical, Inc. 200 Route 130 North



Asbestos Bulk Building Material Chain of Custody EMSL Order Number (Lab Use Only):

Cinnaminson, NJ 08077 PHONE: 1-800-220-3675 FAX: (856) 786-5974

Company	. Guzeł	Associates, Inc.		16	EMSL-Bill to: S Bill to is Different note ins		
Street: 40					Third Party Billing requires written authorization from third party		
City: Clark		-	State/Province: PA	Zip/Postal Cod		Country: US	
		Joseph Guzek		Telephone #: 5		.,	
		uzekassoc@aol.	com	Fax #: 570-58		Purchase Order: 040516	
		ber: SSDWestIn	t	Please Provide			
U.S. State	Sample	s Taken: PA	T / Time /		Commercial/Taxa	ble Residential/Tax Exempt	
☐ 3 Hour		6 Hour	Turnaround Time (7 24 Hour ☐ 48 Hou		96 Hour	1 Week 2 Week	
*For TEM A	ir 3 hr thro	ugh 6 hr. please call ai	head to schedule.*There is a p	remium charge for 3 Ho	ur TEM AHERA or EPA	Level II TAT. You will be asked to sign ed in the Analytical Price Guide.	
an a		M - Bulk (reportin	•	dance with Lines of ten	TEM - B		
■ PLM EP	A 600/R	-93/116 (<1%)		☐ TEM EPA NOB	- EPA 600/R-93/11	6 Section 2.5.5.1	
☐ PLM EP		CANADA CONTRACTOR CONTRACT AND	and a second	☐ NY ELAP Meth		Appendix and the second	
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	E		25%) 🗌 1000 (<0.1%)		s – EPA 600/R-93/1		
	9002 (<	1%) od 198.1 (friable in	NV		via Filtration Prep via Drop Mount Pre		
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	D-191 M		manus and a superior of the su				
☐ Standar	d Additio	on Method	The state of the s				
Check F	or Posi	tive Stop – Clearly	/ Identify Homogenous	Group Date Sam	npled: 04/05/16		
Samplers I	Name: C	hris Notari		Samplers Sig	nature:		
Sample #	HA#		Sample Location		Ma	terial Description	
01		Kitchen Area - Above C	ceiling - Silver/Brown Paper/cloth	over Fiberglass insulation		TSI	
02			i .				
		Kitchen Area -	Above Ceiling - Cen	nentitious elbow		TSI	
03			Above Ceiling - Cen Above Ceiling - Cen			TSI	
03 04		Kitchen Area -		mentitous fitting		<u> </u>	
		Kitchen Area - Kitchen Area -	Above Ceiling - Cer	mentitous fitting		TSI	
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