

3-YEAR ASBESTOS RE-INSPECTION REPORT

.....

GEORGE BANCROFT 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

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ASBESTOS INSPECTION

For the property known as:

GEORGE BANCROFT ELEMENTARY SCHOOL

SECTION 1 EXECUTIVE SUMMARY

An Asbestos Materials Re-inspection Survey was conducted on July 12, 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 (If applicable) 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 George Bancroft 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 George Bancroft Elementary School Administration Office.

SECTION 3 BUILDING DISCRIPTION

George Bancroft Elementary School, located at 1002 Albright Avenue, Scranton, PA is a steel and brick building constructed in 1929. The building consists of an attic and three (3) floors, and contains approximately 33,680 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 George Bancroft 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. Pipe and/or pipe fitting insulation (friable materials) in wall cavities in the vicinities of bathroom and shower fixtures, sinks, and drinking water fountains – 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. Electrical wiring insulation maybe present

Materials That Were Tested and Found Not to Contain Asbestos

- All layers of hard wall and ceiling plasters (Does not include Basement Lunch Room, The wall and ceiling plaster in this area were found to contain asbestos)
- All sheetrock and joint compound
- All ceiling tile (Previously tested by others)
- Boiler room tank insulation
- Boiler room ceiling
- Mastic on fiberglass ends piping (Boiler Room)
- Red foundation block
- Burlap wall paper
- Exterior window caulking
- Gypsteel
- 12X12 Floor Tile in Room 101 (Previously tested by others) (Mastic is assumed to contain asbestos)

SECTION 7 RECOMMENDATIONS

- A. Any Materials listed as Presumed Asbestos Containing Materials (PACM) in Appendix A shall either be 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 INSPECTOR ACCREDITATION

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.

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

Course Date

N/A

Exam Date

7/11/20

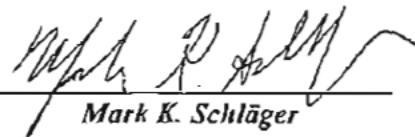
Expiration Date

Not Provided

Social Security Number

ACC-0719-6-005

Certificate Number



*Mark K. Schlager
Training Director*

Certificate of Completion

awarded to

Brent M. Tripp

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

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Course Date

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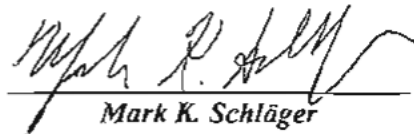
Expiration Date

Not Provided

Social Security Number

ACC-0719-6-006

Certificate Number



Mark K. Schlager
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: George Bancroft Elementary School

Dates of Original AHERA Inspection: July, 1988

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MATERIAL LOCATION	MATERIAL DESCRIPTION	MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESMENT	AHERA HAZARD RANK	AHERA REMOVAL PRIORITY	NOTES
Basement, Crawl Space	Fittings (Approx. 3 - 4 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Basement, Cafeteria	Fittings and Pipe Insulation (Approx. 80 - 70 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	Ceiling Plaster (Approx. 2,200 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- Asbestos Containing Material (ACM) exists in ceiling plaster
Basement, Boiler Room	Breeching (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	Boiler Gaskets	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	1	7	
1st Floor Room 101	Fittings and Pipe Insulation (Approx. 15 - 20 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	Linoleum over 12"x12" Floor Tile & Mastic (Approx. 673 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- Mastic Assumed
1st Floor Room 102	Fittings and Pipe Insulation (Approx. 15 - 20 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
1st Floor Room 104	Fittings and Pipe Insulation (Approx. 15 - 20 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	12"x12" Floor Tile & Mastic (Approx. 673 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- Mastic Assumed
1st Floor Room 105	Fittings and Pipe Insulation (Approx. 15 - 20 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	12"x12" Floor Tile & Mastic (Approx. 673 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	4	4	- 25 to 30 Floor Tiles are cracked - Mastic Assumed

Information abstracted by: C. Notari and B. Tripp on 07/12/2019

Friability: F = Friable, NF-1 = Non-Friable, NF-2 = Non-Friable

Building Inspector's Certification No.: 027028-PA and 053975-PA

Assessment: G = Good, D = Damaged, SD = Significantly Damaged

GuzeK Associates, Inc. - HOMOGENEOUS SAMPLING CHART

Scranton School District

Building: George Bancroft Elementary School

Dates of Original AHERA Inspection: July, 1988

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MATERIAL LOCATION	MATERIAL DESCRIPTION	MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESMENT	AHERA HAZARD RANK	AHERA REMOVAL PRIORITY	NOTES
1st Floor Room 106	Fittings and Pipe Insulation (Approx. 15 - 20 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- Repair needed at bottom 1-foot section of insulation
1st Floor, Janitor's Closet No. 1 (Next to Boy's Restroom)	Fittings and Pipe Insulation (Approx. 8 - 10 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	5	3	Remove
1st Floor, Boy's Restroom	Fittings and Pipe Insulation (1 Fitting found) (Approx. 10 - 15 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
1st Floor, Room 107	Fittings and Pipe Insulation (Approx. 15 - 20 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
1st Floor, Room 108	Fittings and Pipe Insulation (Approx. 15 - 20 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	12"x12" Floor Tile & Mastic (Approx. 675 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- Mastic Assumed
1st Floor, Room 109	Fittings and Pipe Insulation (Approx. 15 - 20 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
1st Floor, Room 110	Fittings and Pipe Insulation (Approx. 15 - 20 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
1st Floor, Girl's Restroom	Fittings and Pipe Insulation (Approx. 20 - 25 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
1st Floor, Girl's Restroom Chase	Fittings and Pipe Insulation (Approx. 15 - 20 Fittings) (Approx. 35 - 40 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	7	1	Remove / Restrict Access - Door was sealed during last surveillance. Door is now open.
1st Floor, Principle's Office, Room 111	Fittings and Pipe Insulation (Approx. 10 - 12 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
1st Floor, Secretary's Office, Room 112	Fittings and Pipe Insulation (Approx. 10 - 15 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	

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Scranton School District

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MATERIAL LOCATION	MATERIAL DESCRIPTION	MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESMENT	AHERA HAZARD RANK	AHERA REMOVAL PRIORITY	NOTES
1st Floor, Secretary's Office, Room 112	12"x12" Floor Tile & Mastic (Approx. 90 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	C D SD	4	4	- 10 to 12 Floor Tiles are cracked - Mastic Assumed
	Linoleum (Approx. 128 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- Mastic Assumed - Linoleum under carpet
1st Floor, Library and closet, Room 103	Fittings and Pipe Insulation (Approx. 20 - 25 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
1st Floor, Main Hallway	Fittings and Pipe Insulation (Approx. 15 - 20 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
2nd Floor, Room 201	Fittings and Pipe Insulation (Approx. 10 - 12 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
2nd Floor, Room 202	Fittings and Pipe Insulation (Approx. 10 - 12 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	12"x12" Floor Tile & Mastic (Approx. 673 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- Mastic Assumed
2nd Floor, Room 203 and closet	Fittings and Pipe Insulation (Approx. 15 - 20 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- Room 203 Closet has 1 damaged fitting
2nd Floor, Room 204	Fittings and Pipe Insulation (Approx. 10 - 12 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
2nd Floor, Room 205	Fittings and Pipe Insulation (Approx. 10 - 12 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
2nd Floor, Room 206	Fittings and Pipe Insulation (Approx. 10 - 12 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
2nd Floor, Room 207 & 208 (Gym)	Fittings and Pipe Insulation (Approx. 20 - 25 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	

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GuzeK Associates, Inc. - HOMOGENEOUS SAMPLING CHART

Scranton School District

Building: George Bancroft Elementary School

Dates of Original AHERA Inspection: July, 1988

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MATERIAL LOCATION	MATERIAL DESCRIPTION	MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESMENT	AHERA HAZARD RANK	AHERA REMOVAL PRIORITY	NOTES
2nd Floor, Room 209	Fittings and Pipe Insulation (Approx. 10 - 12 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
2nd Floor, Girl's Room	Fittings and Pipe Insulation (Approx. 8 - 10 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
2nd Floor, Janitor's Closet No.1 (Next to Boy's Restroom)	Fittings and Pipe Insulation (Approx. 8 - 10 LF of pipe insulation)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	5	3	- Insulation opened at top (approx. 7")
	12"x12" Floor Tile & Mastic (Approx. 40 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	6	2	- Tile under sink with heavy damage, others cracking and chipping, Remove - Mastic Assumed
2nd Floor, Boy's Restroom Chase	Fittings and Pipe Insulation (Approx. 60 - 70 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	7	1	Remove
2nd Floor, Room 210	Fittings and Pipe Insulation (Approx. 10 - 12 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
2nd Floor, Room 211 (Includes two (2) rooms)	Fittings and Pipe Insulation (Approx. 6 - 8 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
2nd Floor, Room 212 (Medical Room)	Fittings and Pipe Insulation (Approx. 6 - 8 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	12"x12" Floor Tile & Mastic (Approx. 260 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- Mastic Assumed
2nd Floor, Hallway	Fittings and Pipe Insulation (Approx. 6 - 8 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Attic	Fittings and Pipe Insulation (Approx. 20 - 30 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	4	4	Repair / Remove - Debris from roof drain fittings on attic floor - Front corner above rooms 203 & 204 damaged insulation. (The above notes are from April 2017 6-month surveillance) - Blown in insulation was added in October 2017, unknown if debris and damaged items were repaired or removed

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Scranton School District

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MATERIAL LOCATION	MATERIAL DESCRIPTION	MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESMENT	AHERA HAZARD RANK	AHERA REMOVAL PRIORITY	NOTES
Throughout Building	Ductwork Flex Connections (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- Flex connections are damaged and ripped apart on 2nd floor in janitors closet next to Girl's Restroom
	Mastic Behind Chalkboards (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	1	7	
	Vapor Barriers (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	1	7	
	Door Frame Caulking (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	

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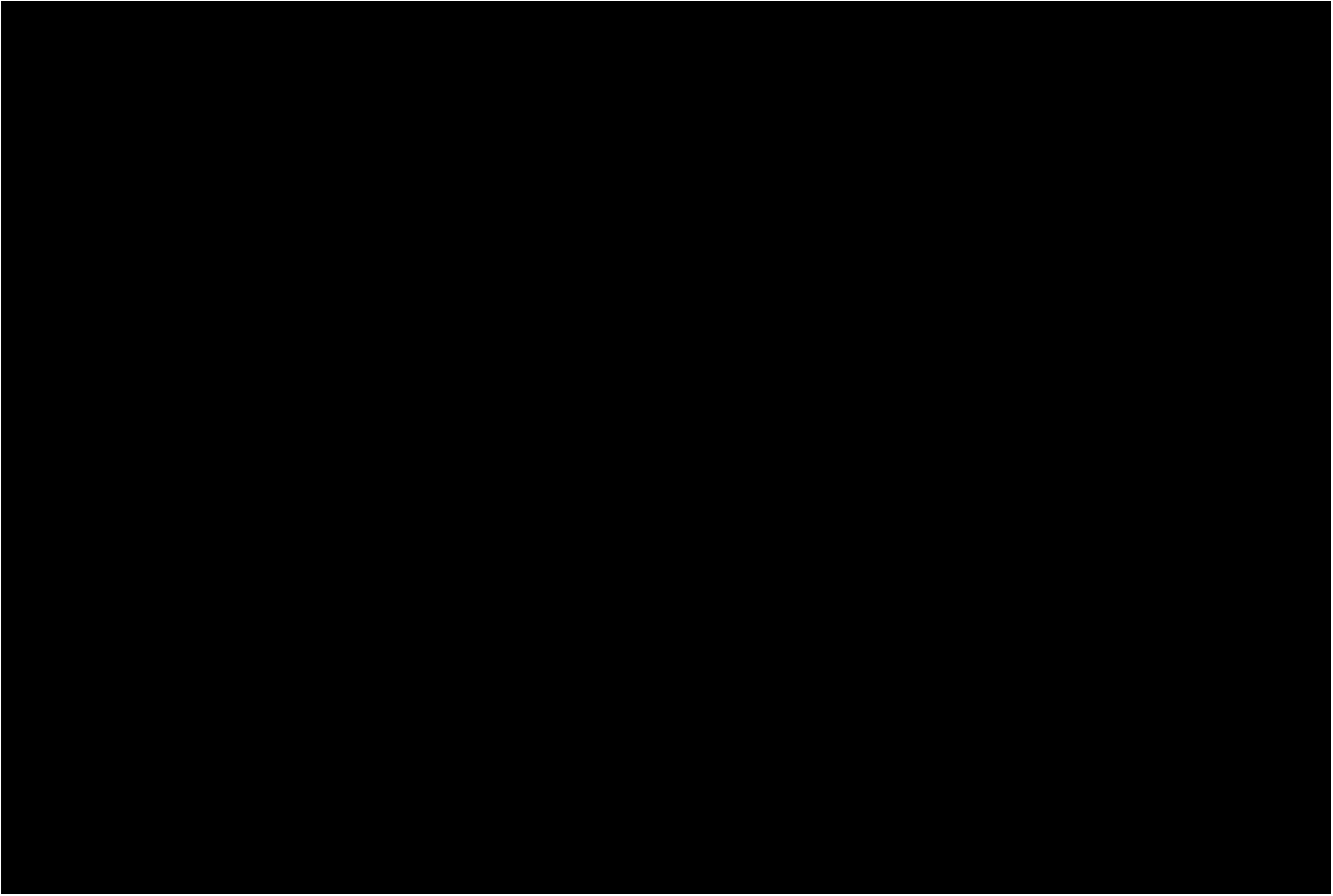
Friability: F = Friable, NF-1 = Non-Friable, NF-2 = Non-Friable

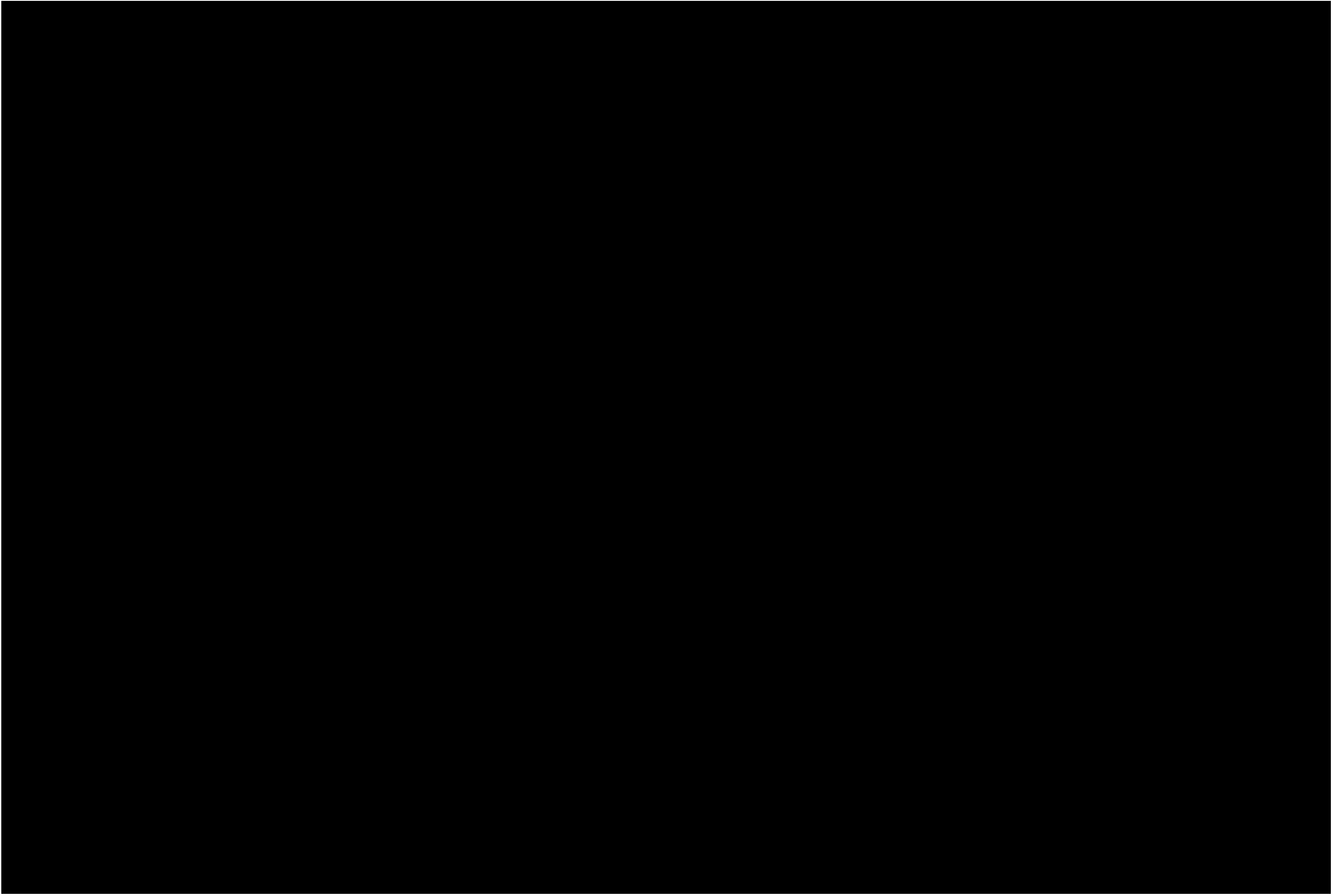
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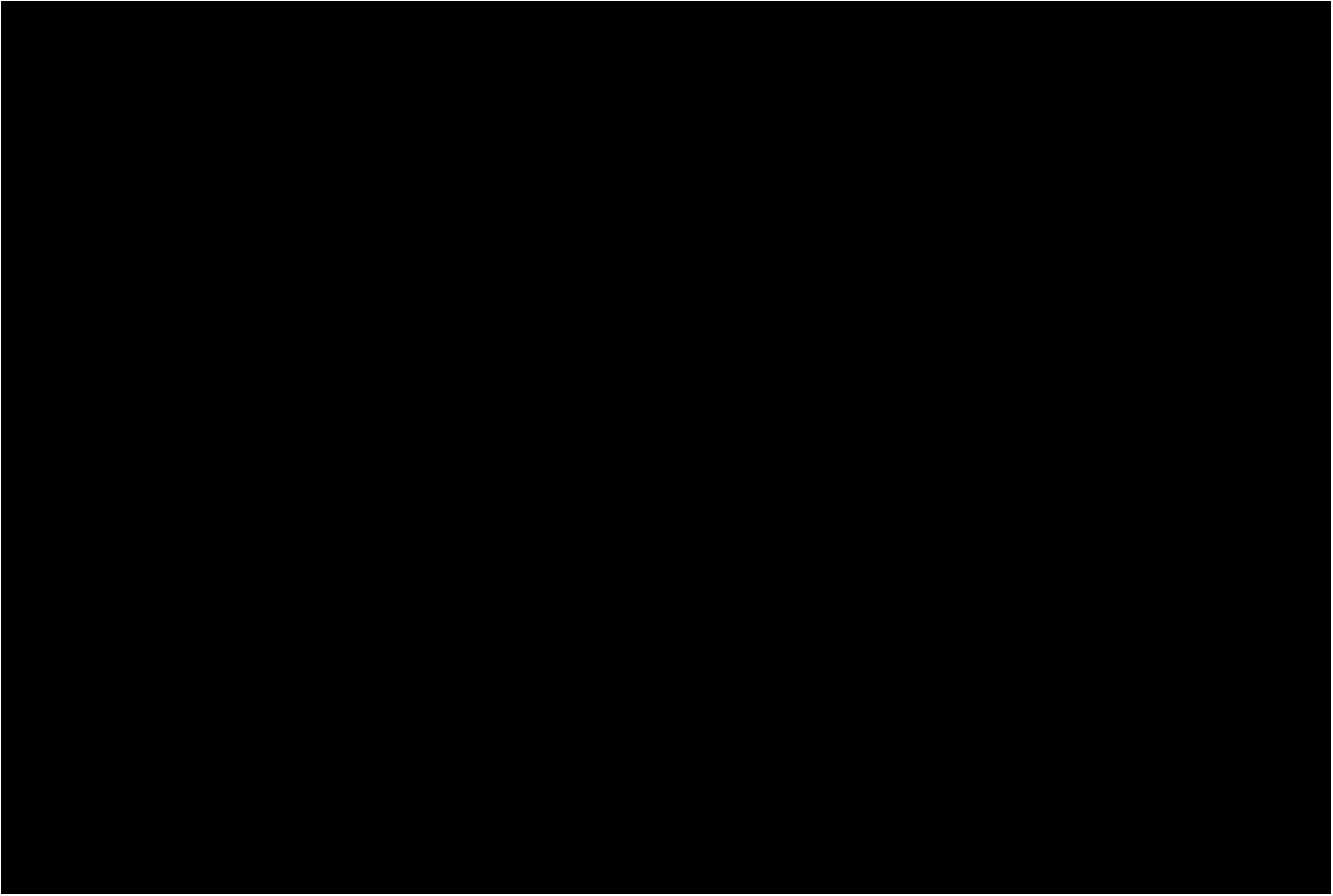
Assessment: G = Good, D = Damaged, SD = Significantly Damaged

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 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: 041622537

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: 08/12/2016 9:30 AM

Analysis Date: 08/16/2016

Collected Date: 08/11/2016

Project: SSD 16_751 Bancroft Elementary

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
01W 041622537-0001	Basement-Lunch room - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02B 041622537-0002	Basement-Lunch room - Plaster base layer	Brown Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
03 041622537-0003	Basement-Crawlspac e in lunchroom - Red foundation block	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04 041622537-0004	Basement-Boiler room - Sheetrock	Gray Fibrous Homogeneous	15% Cellulose 5% Glass	80% Non-fibrous (Other)	None Detected
05 041622537-0005	Basement-Boiler room - Mastic on 10" boiler piping	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06 041622537-0006	Basement-Boiler room - Ceiling plaster (single layer)	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07 041622537-0007	Basement-Boiler room - Ceiling plaster (single layer)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08 041622537-0008	Basement-Boiler room - Ceiling plaster (single layer)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09 041622537-0009	Basement-Boiler room - Tank inner layer	White/Yellow Fibrous Homogeneous	40% Cellulose 10% Glass	50% Non-fibrous (Other)	None Detected
10 041622537-0010	Basement-Boiler room - Tank outer layer	Tan/White Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
11 041622537-0011	Basement-Boiler room - Mastic on 10" boiler piping	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12 041622537-0012	1st floor-Room 104 - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13 041622537-0013	1st floor-Room 104 - Plaster base layer	Brown Non Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14 041622537-0014	1st floor-Room 104 - Exterior window caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15 041622537-0015	1st floor-Room 104 - Burlap wallpaper	Brown Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
16W 041622537-0016	1st floor-Janitor's closet - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 08/16/2016 15:50:11



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: 041622537

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17B 041622537-0017	1st floor-Janitor's closet - Plaster base layer	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18 041622537-0018	1st floor-Room 108, left room - Joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19 041622537-0019	1st floor-Room 108, left room - Sheetrock	Gray Fibrous Homogeneous	15% Cellulose 5% Glass	80% Non-fibrous (Other)	None Detected
20W 041622537-0020	1st floor-Room 110 - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21 041622537-0021	1st floor-Room 110 - Plaster base layer	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22 041622537-0022	1st floor-Stairwell No. 2 - Exterior window caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
23 041622537-0023	1st floor-Room 101 - Burlap wallpaper	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
24W 041622537-0024	1st floor-Room 102 - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25B 041622537-0025	1st floor-Room 102 - Plaster base layer	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26 041622537-0026	Attic - Gypsteel block	Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
27W 041622537-0027	Attic-Stairwell - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
28B 041622537-0028	Attic-Stairwell - Plaster base layer	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
29W 041622537-0029	2nd floor-Room 204, closet - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
30B 041622537-0030	2nd floor-Room 204, closet - Plaster base layer	Brown Fibrous Homogeneous	3% Hair	97% Non-fibrous (Other)	None Detected
31 041622537-0031	2nd floor-Room 206 - Joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
32 041622537-0032	2nd floor-Boys' room chase - Gypsteel block	Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
33W 041622537-0033	2nd floor-Girls' room chase - Gypsteel block	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
34 041622537-0034	2nd floor-Girls' room chase - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
35B 041622537-0035	2nd floor-Girls' room chase - Plaster base layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order: 041622537

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
36W 041622537-0036	2nd floor-Room 202, right room - Plaster white layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
37B 041622537-0037	2nd floor-Room 202, right room - Plaster base layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
38 041622537-0038	2nd floor-Room 211 - Joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
39 041622537-0039	2nd floor-Room 211 - Sheetrock	Brown/Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
40 041622537-0040	2nd floor-Room 213 - 2x2 ceiling tile	Tan/White Fibrous Homogeneous	60% Cellulose 30% Min. Wool	10% Non-fibrous (Other)	None Detected
41 041622537-0041	Exterior of building - Stairwell No 2, exterior door frame caulking	Gray Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
42 041622537-0042	Exterior of building - Basement window frame caulking	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
43 041622537-0043	Exterior of building - Main entrance door frame caulking	Gray Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
44 041622537-0044	Exterior of building - Exterior coal shoot door frame caulking	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Daniel Fricker (7)

Seri Smith (37)

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: 08/16/2016 15:50:11



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

041622537

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: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 401 Davis Street		Third Party Billing requires written authorization from third party	
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 Bancroft Elementary		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken: Pennsylvania		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input checked="" type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
PLM - Bulk (reporting limit)		TEM - Bulk	
<input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%)		<input type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1	
<input type="checkbox"/> PLM EPA NOB (<1%)		<input type="checkbox"/> NY ELAP Method 198.4 (TEM)	
Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		<input type="checkbox"/> Chatfield Protocol (semi-quantitative)	
Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		<input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2	
<input type="checkbox"/> NIOSH 9002 (<1%)		<input type="checkbox"/> TEM Qualitative via Filtration Prep Technique	
<input type="checkbox"/> NY ELAP Method 198.1 (friable in NY)		<input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique	
<input type="checkbox"/> NY ELAP Method 198.6 NOB (non-friable-NY)		Other	
<input type="checkbox"/> OSHA ID-191 Modified		<input type="checkbox"/>	
<input type="checkbox"/> Standard Addition Method			
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Date Sampled: 08-11-2016	
Samplers Name: Chris Notari / Brent Tripp		Samplers Signature:	
Sample #	HA #	Sample Location	Material Description
01 W		Basement - Lunch Room	Plaster White Layer
02 B		Basement - Lunch Room	Plaster Base Layer
03		Basement - Crawl Space in Lunch Room	Red Foundation Block
04		Basement - Boiler Room	Sheetrock
05		Basement - Boiler Room	Mastic on 10" Boiler Piping
06		Basement - Boiler Room	Ceiling Plaster (Single Layer)
07		Basement - Boiler Room	Ceiling Plaster (Single Layer)
08		Basement - Boiler Room	Ceiling Plaster (Single Layer)
09		Basement - Boiler Room	Tank Inner Layer
10		Basement - Boiler Room	Tank Outer Layer
Client Sample # (s):		Total # of Samples: Forty-Four (44)	
Relinquished (Client):		Date: 08-11-2016	Time: 3:00 PM
Received (Lab):		Date: 8-12-2016	Time: 9:30 AM
Comments/Special Instructions:			



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Asbestos Bulk Building Material Chain of Custody

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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	Mastic on 10" Boiler Piping
12 W		1st Floor - Room 104	Plaster White Layer
13 B		1st Floor - Room 104	Plaster Base Layer
14		1st Floor - Room 104	Exterior Window Caulking
15		1st Floor - Room 104	Burlap Wall Paper
16 W		1st Floor - Janitors Closet	Plaster White Layer
17 B		1st Floor - Janitors Closet	Plaster Base Layer
18		1st Floor - Room 108, Left Room	Joint Compound
19		1st Floor - Room 108, Left Room	Sheetrock
20 W		1st Floor - Room 110	Plaster White Layer
21 B		1st Floor - Room 110	Plaster Base Layer
22		1st Floor - Stairwell No. 2	Exterior Window Caulking
23		1st Floor - Room 101	Burlap Wall Paper
24 W		1st Floor - Room 102	Plaster White Layer
25 B		1st Floor - Room 102	Plaster Base Layer
26		Attic	Gypsteel Block
27 W		Attic - Stairwell	Plaster White Layer
28 B		Attic - Stairwell	Plaster Base Layer
29 W		2nd Floor - Room 204, Closet	Plaster White Layer
30 B		2nd Floor - Room 204, Closet	Plaster Base Layer
31		2nd Floor - Room 206	Joint Compound
32		2nd Floor - Boy's Room Chase	Gypsteel Block
33		2nd Floor - Girl's Room Chase	Gypsteel Block
34 W		2nd Floor - Girl's Room Chase	Plaster White Layer
*Comments/Special Instructions:			

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