

March 26, 2019



Nick Rosenthal  
Ramsey County  
90 W Plato Blvd.  
Saint Paul, MN 55107

**RE: 1799 York Avenue, St. Paul, Minnesota  
Asbestos, Lead, and Hazardous Materials Inspection  
IEA Project #201910288**

Dear Nick:

As follows, please find the Asbestos, Lead and Hazardous Materials Inspection Report for the above-referenced location.

If you have any questions or require further assistance, please do not hesitate to contact me at 763-315-7900.

Sincerely,

IEA, Inc.

A handwritten signature in blue ink, appearing to read 'Collin Nelson', is positioned above the printed name.

Collin Nelson  
Senior Project Manager

CN/wb 032619

Enc.

cc File

INSTITUTE FOR ENVIRONMENTAL ASSESSMENT, INC.  
[www.ieasafety.com](http://www.ieasafety.com)

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Brooklyn Park, MN 55445  
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1420 East College Drive  
Marshall, MN 56258  
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800-233-9513

VIRGINIA  
5525 Emerald Avenue  
Mountain Iron, MN 55768  
218-410-9521  
800-233-9513

**ASBESTOS, LEAD &  
HAZARDOUS MATERIALS INSPECTION  
PROFILE**

**Single Family Residence  
1799 York Avenue  
St. Paul, Minnesota 55119**

**March 26, 2019**

**Submitted to:**

**Nick Rosenthal  
Ramsey County**

***Submitted by:***

***Institute for Environmental Assessment  
9201 West Broadway North, Suite 600  
Brooklyn Park, MN 55445-1922***

***763-315-7900 / 800-233-9513***

**IEA Project #201910288**

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# **SECTION I**

## **Asbestos Summary and Inspection Report**

**Asbestos Summary  
Single Family Residence  
1799 York Avenue  
St. Paul, Minnesota 55119**

On March 19, 2019, an inspection for asbestos-containing materials (ACM) was performed at the above-referenced location. The scope of the inspection included all suspect ACM within the single-family residence (the Building).

Please note that there was limited visibility of the basement floor due to ice coverage. Also, there was limited visibility of the Building exterior and landscaping due to snow coverage.

ACM materials were not identified during the inspection

Specific locations of the suspect materials which were analyzed and were found not to contain asbestos, are identified in the attached report.

This inspection meets the requirements of the Minnesota Pollution Control Agency (MPCA) and Minnesota OSHA (MNOSHA) for an asbestos demolition/renovation inspection.

Bulk samples of accessible suspect material were collected and analyzed in accordance with Environmental Protection Agency (EPA) sampling and analytical procedure requirements. Sampling was conducted in a manner determined by the inspector to be sufficient to identify whether the suspect materials are asbestos containing.

The purpose of the inspection was to identify all suspect materials that may contain asbestos prior to demolition. Any suspect materials not identified on the survey that are uncovered prior to demolition should be assumed to contain asbestos or sampled.

Please note, the detached garage and shed were locked and inaccessible at the time of the inspection and therefore are not included in this report.

## **GENERAL COMMENTS**

The analysis and opinions expressed in this report are based upon data obtained from Ramsey County at the indicated locations. This report does not reflect variations in conditions that may occur across the site, property, or facility. Actual conditions may vary and may not become evident without further assessment.

The report is prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted practices. Other than as provided in the preceding sentence and in our Proposal #7911 dated March 11, 2019, regarding Hazardous Materials Assessments at the Building including the General Conditions attached thereto, no warranties are extended or made.

**Table I: Asbestos Inspectional Results**  
**Institute of Environmental Assessment, Inc.**  
**9201 West Broadway Avenue, Suite 600**  
**Brooklyn Park, MN 55445**  
**763-315-7900**

**Client: Ramsey County**

**Date of Survey: March 19, 2019**

**Location: 1799 York Avenue, St. Paul, Minnesota**

**Project No.: 201910288**

Location	Suspect Material Identification	Estimated Quantity <sup>1</sup>	Condition <sup>2</sup>	Homogenous Area Sample # <sup>3</sup>	ACM <sup>4</sup> (Yes or No)	Category <sup>5</sup>
Basement - Utility Room	Sheetrock/Joint Compound	100 sq	ND	Ref 031919CN-06	No	--
	Mortar Patch	2 sq	ND	031919CN-02	No	--
Basement - Storage	Sheetrock/Joint Compound	50 sq	D	031919CN-06	No	--
	2'x4' Ceiling Tile - Pinhole Pocked	16 sq	ND	031919CN-03	No	--
	Tar Paper (on wall)	60 sq	D	031919CN-04	No	--
Basement - Bathroom	Duroc Cement Board	100 sq	ND	031919CN-07	No	--
	Tile Mortar & Grout	100 sq	ND	031919CN-05	No	--
	Silicon Caulk	24 ln	ND	031919CN-08	No	--
Basement - Photo Area	Sheetrock/Joint Compound	500 sq	ND	Ref 031919CN-06	No	--
	Ceiling Texture	150 sq	ND	031919CN-09, 10, 11	No	--
1st Floor - Throughout	Subfloor Underlayment	625 sq	ND	031919CN-01	No	--
	Plaster	1000 sq	ND	Ref 031919CN-19	No	--
1st Floor - Porch	Window Glazing	40 ln	ND	031919CN-12	No	--
1st Floor - Living Room	Knock-down Ceiling/Wall Texture	500 sq	D	031919CN-13, Ref 14, 15, 16, 17	No	--
	Duroc Cement Board	15 sq	ND	Ref 031919CN-07	No	--
	16" Ceramic Floor Tile System Grout & Thinset	140 sq	ND	031919CN-29	No	--
	Sheetrock/Joint Compound	500 sq	ND	Ref 031919CN-06	No	--
1st Floor - Kitchen/Hall	Sheetrock/Joint Compound	600 sq	ND	Ref 031919CN-06	No	--
	Knock-down Ceiling/Wall Texture	200 sq	D	031919CN-14, Ref 13, 15, 16, 17	No	--
	16" Ceramic Floor Tile System Grout & Thinset	200 sq	ND	Ref 031919CN-29	No	--
	Tile Mortar & Grout	20 sq	ND	Ref 031919CN-05	No	--
1st Floor - Dining Room	Sheetrock/Joint Compound	400 sq	ND	Ref 031919CN-06	No	--
	Knock-down Ceiling/Wall Texture	170 sq	ND	031919CN-15, Ref 13, 14, 16, 17	No	--
1st Floor - Bathroom	Sheetrock/Joint Compound	30 sq	ND	Ref 031919CN-06	No	--
	Duroc Cement Board	100 sq	ND	Ref 031919CN-07	No	--
	Cement Board	15 sq	ND	031919CN-30	No	--
	Fiber Mud	15 sq	ND	031919CN-31	No	--

Location	Suspect Material Identification	Estimated Quantity <sup>1</sup>	Condition <sup>2</sup>	Homogenous Area Sample # <sup>3</sup>	ACM <sup>4</sup> (Yes or No)	Category <sup>5</sup>
2nd Floor - Bedroom 1	Plaster	350 sq	ND	031919CN-19	No	--
	Knock-down Ceiling/Wall Texture	150 sq	ND	031919CN-16, Ref 13, 14, 15, 17	No	--
	Sheetrock/Joint Compound	100 sq	ND	Ref 031919CN-06	No	--
	Sheet Flooring	40 sq	ND	Ref 031919CN-18	No	--
2nd Floor - Bedroom 2	Plaster	350 sq	ND	Ref 031919CN-19	No	--
	Knock-down Ceiling/Wall Texture	150 sq	ND	031919CN-17, Ref 13, 14, 15, 16	No	--
	Sheetrock/Joint Compound	20 sq	ND	Ref 031919CN-06	No	--
2nd Floor - Throughout	Subfloor Underlayment	625 sq	ND	Ref 031919CN-01	No	--
In Walls	Cellulose Insulation	2000 sq	D	031919CN-20, 21, 22	No	--
	Miscellaneous Insulation	500 sq	D	031919CN-23, 24, 25	No	--
Roof	Shingles	1500 sq	ND	031919CN-26	No	--
Exterior	Vapor Barrier - Tar Paper	2000 sq	ND	031919CN-27	No	--
	Caulk	2 ln	ND	031919CN-28	No	--

<sup>1</sup> Visually estimated quantities: sq = square feet   ln = linear feet   ea = each   cu = cubic feet

<sup>2</sup> Condition: ND = Not Damaged   D = Damaged   SD = Significantly Damaged

<sup>3</sup> Samples representative of that homogenous area (homogenous areas are defined as areas of surfacing materials, thermal system insulation materials or other miscellaneous materials which upon examination for properties such as age, color, size, and texture appear to be composed of the same material) but not physically collected in the referenced location are designated as "Ref" samples. Sample numbers not designated "Reference" were physically collected within the identified area.

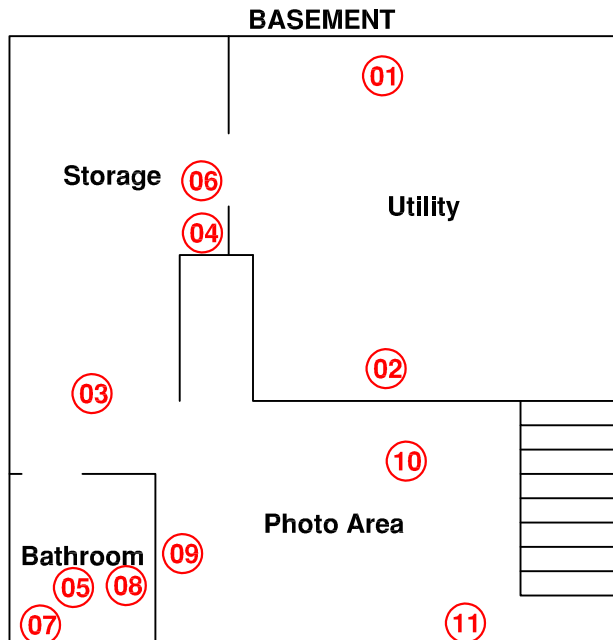
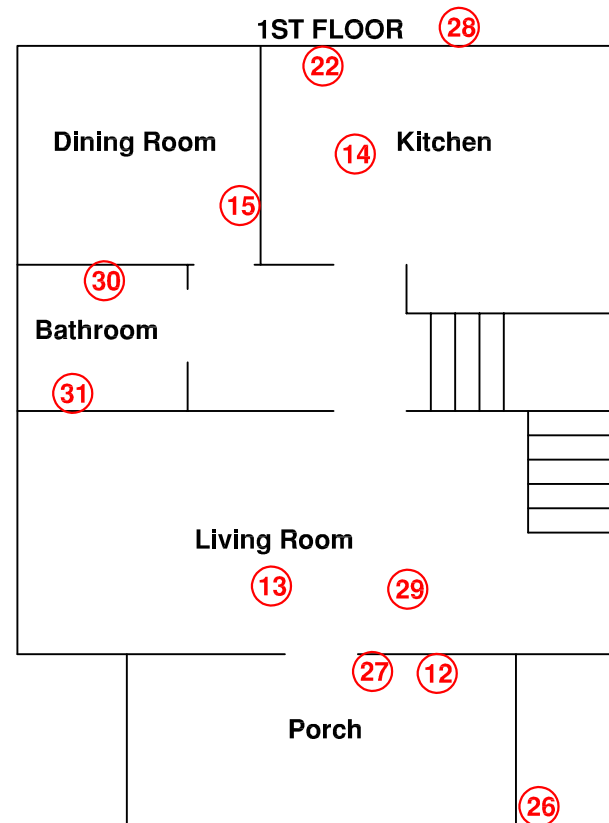
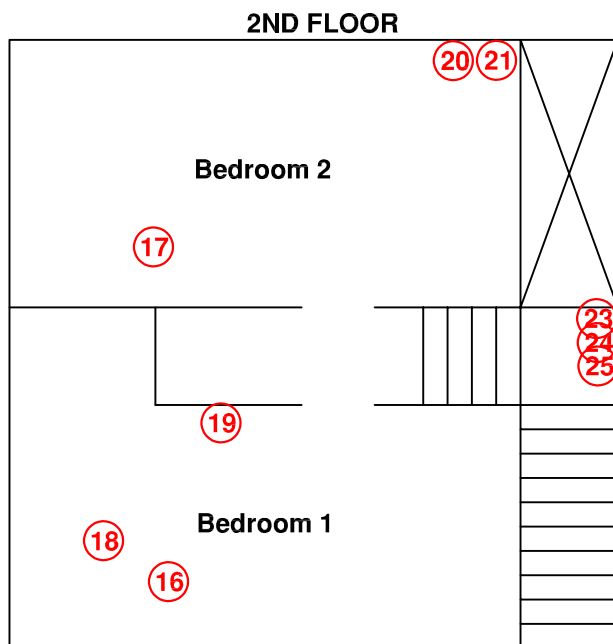
<sup>4</sup> The MDH, OSHA, and EPA define Asbestos-Containing Material (ACM) as a material which contains greater than one percent asbestos by qualitative or quantitative analysis techniques. The EPA's National Emission Standard for Hazardous Air Pollutants (NESHAP) requires quantitative analysis, commonly referred to as a "point count", for all qualitative analysis results when asbestos is detected in concentrations less than ten percent. Under common practice, qualitative results greater than three and less than ten percent are often accepted to be ACM. Suspect ACM not sampled are "Assumed" to contain asbestos at quantities greater than one percent.

<sup>5</sup> The EPA requires the identification of all suspect ACM to fall into one of the following categories (F) friable, (I) Category I and (II) Category II ACM.

## **SECTION II**

### **Asbestos Sample Locations Drawing**





**# = Asbestos Sample Location**



INSTITUTE FOR  
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1799 York Avenue, St. Paul, MN, Sample Location Map

Mar. 2019 | Figure 01



## **SECTION III**

### **Asbestos Laboratory Report**



# EMSL Analytical, Inc.

14375 23rd Avenue North Minneapolis, MN 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924

<http://www.EMSL.com> / [minneapolislab@emsl.com](mailto:minneapolislab@emsl.com)

EMSL Order: 351901680

Customer ID: IFEA50

Customer PO:

Project ID:

**Attention:** Jennifer Theis  
Inst. For Environmental Assessment  
9201 West Broadway  
Suite 600  
Brooklyn Park, MN 55445

**Project:** 201910288- 1799 York Ave

**Phone:** (952) 687-1427

**Fax:** (763) 315-7920

**Received Date:** 03/20/2019 8:00 AM

**Analysis Date:** 03/22/2019 - 03/25/2019

**Collected Date:** 03/19/2019

## 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
031919CN-01 351901680-0001	Throughout 1st Fl, Floor Underlayment	Black Fibrous Heterogeneous	45% Cellulose	55.0% Non-fibrous (Other)	None Detected
031919CN-02 351901680-0002	Bsmt Utility, Mortar Patch	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
031919CN-03 351901680-0003	Bsmt Storage, 2'x4' ceiling Tile- Pinhole Pocked	Tan/White Fibrous Homogeneous	70% Cellulose 10% MinWool	10% Perlite 10.0% Non-fibrous (Other)	None Detected
031919CN-04 351901680-0004	Bsmt Storage, Tar Paper on wall	Black Fibrous Homogeneous	20% Glass	80.0% Non-fibrous (Other)	None Detected
031919CN-05-Morta r 351901680-0005	Bsmt Bath, Tile Mortar & Grout	Gray Non-Fibrous Heterogeneous		100.0% Non-fibrous (Other)	None Detected
031919CN-05-Grout 351901680-0005A	Bsmt Bath, Tile Mortar & Grout	Gray Non-Fibrous Heterogeneous		100.0% Non-fibrous (Other)	None Detected
031919CN-06 351901680-0006	Bsmt Storage, Sheetrock/ Joint Compound	Tan/White Fibrous Heterogeneous	10% Cellulose	90.0% Non-fibrous (Other)	None Detected
This is a composite result of sheetrock and joint compound layers.					
031919CN-07 351901680-0007	Bsmt Bath, Durock	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
031919CN-08 351901680-0008	Bsmt Bath, Silicone Caulk	Clear Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
031919CN-09 351901680-0009	Bsmt Photo, Ceiling Texture	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. 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. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Initial report from: 03/25/2019 16:31:40



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14375 23rd Avenue North Minneapolis, MN 55447

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EMSL Order: 351901680

Customer ID: IFEA50

Customer PO:

Project ID:

**Attention:** Jennifer Theis  
Inst. For Environmental Assessment  
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Suite 600  
Brooklyn Park, MN 55445

**Project:** 201910288- 1799 York Ave

**Phone:** (952) 687-1427

**Fax:** (763) 315-7920

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**Collected Date:** 03/19/2019

## 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
031919CN-10 351901680-0010	Bsmt Photo, Ceiling Texture	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
031919CN-11 351901680-0011	Bsmt Photo, Ceiling Texture	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
031919CN-12 351901680-0012	1st Fl Porch, Window Glazing	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
031919CN-13 351901680-0013	1st Fl Living, Knock-Down Texture	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
031919CN-14 351901680-0014	1st Fl Kitchen, Knock-Down Texture	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
031919CN-15 351901680-0015	1st Fl Dining, Knock-Down Texture	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
031919CN-16 351901680-0016	2nd Fl Bed 1, Knock Down Texture	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
031919CN-17 351901680-0017	2nd Fl Bed 2, Knock Down Texture	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
031919CN-18 351901680-0018	2nd Fl Bed 1, Sheet Flooring	Tan/White Fibrous Heterogeneous	10% Glass	90.0% Non-fibrous (Other)	None Detected
031919CN-19 351901680-0019	2nd Fl Bed 1, Plaster	Gray Non-Fibrous Homogeneous	<1% Hair	100.0% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. 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. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

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EMSL Order: 351901680

Customer ID: IFEA50

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**Attention:** Jennifer Theis  
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**Collected Date:** 03/19/2019

## 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
031919CN-20 351901680-0020	2nd Fl Bed 2, Cellulose Insulation	Tan Fibrous Homogeneous	98% Cellulose	2.0% Non-fibrous (Other)	None Detected
031919CN-21 351901680-0021	2nd Fl Bed 2, Cellulose Insulation	Tan Fibrous Homogeneous	98% Cellulose	2.0% Non-fibrous (Other)	None Detected
031919CN-22 351901680-0022	1st Fl Kitch, Cellulose Insulation	Tan Fibrous Homogeneous	98% Cellulose	2.0% Non-fibrous (Other)	None Detected
031919CN-23 351901680-0023	Stairs, Miscellaneous Insulation	Brown Fibrous Homogeneous	98% Cellulose	2.0% Non-fibrous (Other)	None Detected
031919CN-24 351901680-0024	Stairs, Miscellaneous Insulation	Brown Fibrous Homogeneous	98% Cellulose	2.0% Non-fibrous (Other)	None Detected
031919CN-25 351901680-0025	Stairs, Miscellaneous Insulation	Brown Fibrous Homogeneous	98% Cellulose	2.0% Non-fibrous (Other)	None Detected
031919CN-26 351901680-0026	Roof, Shingles	Black Fibrous Heterogeneous	15% Cellulose	85.0% Non-fibrous (Other)	None Detected
031919CN-27 351901680-0027	Exterior, Vapor Barrier- Tar Paper	Black Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
031919CN-28 351901680-0028	Exterior, Caulk	Clear Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
031919CN-29-Cera mic Tile 351901680-0029	1st Fl Living Room, 16" Ceramic Floor Tile system Grout & Mortar	Red Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. 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. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Initial report from: 03/25/2019 16:31:40



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## 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
031919CN-29-Grout 351901680-0029A	1st Fl Living Room, 16" Ceramic Floor Tile system Grout & Mortar	Gray/Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
031919CN-29-Mortar 351901680-0029B	1st Fl Living Room, 16" Ceramic Floor Tile system Grout & Mortar	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	None Detected
031919CN-30 351901680-0030	1st Fl Bath, Fiber mud	Gray Fibrous Homogeneous	10% Glass	90.0% Non-fibrous (Other)	None Detected
031919CN-31 351901680-0031	1st Fl Bath, ceramic Board	Gray Fibrous Homogeneous	20% Cellulose	80.0% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. 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. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

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The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

## Report Comments:

Sample Receipt Date: 03/20/2019

Sample Receipt Time: 8:00 AM

Analysis Completed Date: 03/25/2019

Analysis Completed Time: 4:14 PM

## Analyst(s):

Daniel Nordland PLM (28)

Lynn Scott PLM (6)

## Samples Reviewed and approved by:

Rachel Travis, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. 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. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.



9201 West Broadway North, Suite 600  
Brooklyn Park, MN 55445  
(763) 315-7900  
1-800-233-9513

1680

# CHAIN OF CUSTODY

Page 1 of 2

Client # \_\_\_\_\_ Project # 201910298

Building Name 1799 York Ave.

Shaded Areas are for  
Laboratory Use Only!

Client Ramsey County

Project Name \_\_\_\_\_

Address \_\_\_\_\_

Contact Person Colin Nelson

Contact Person Phone \_\_\_\_\_

Other Information 2-13-17

Verbal results to \_\_\_\_\_

Phone, Fax No. or E-Mail \_\_\_\_\_

TAT (circle) 6 hr 1d 2d 3d 4d Specify \_\_\_\_\_

Verbal results relayed to \_\_\_\_\_

Verbal results relayed by \_\_\_\_\_

Date \_\_\_\_\_

Time \_\_\_\_\_

Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other \_\_\_\_\_

Sample #	Work Area or Phase #	Comments / Location	Sample type or Material code	Volume	Matrix type			Analysis requested				Filter type		
					Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
03/19/19-01	Through	Fl Floor Underlayment			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-02	Basement	Mortar Patch			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-03	Storage	2x4 ceiling tile - Pin-Hole Pocked			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-04	+	Tar Papped on wall			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-05	Bath	Tile Mortar & Grout			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-06	Storage	Sheetrock / Joint compound			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-07	Bath	Durock			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-08	+	Silicon Caulk			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-09	Photo	Ceiling Texture	2-Test		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-10	+	+	Full		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-11	+	+	Pos		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-12	Exterior	Window Glazing			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-13	Living	Knock-Down Texture	2-Test		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-14	Kitchen		Full		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-15	Basement		Pos	*13-17	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

The MN Department of Health Alternative Indoor Air Standard for this project is: \_\_\_\_\_

F/CC. \_\_\_\_\_

Batch Number: \_\_\_\_\_

Samples Acceptable? ☐ Yes ☐ No

Sampled by <u>[Signature]</u>	Date <u>3-19-19</u>	Time <u>1700</u>	Delivered by _____	Date _____	Time _____	Received by lab _____	Date _____	Time _____	Entered by _____	Date _____	Time _____
Received by <u>[Signature]</u>	Date <u>3/20</u>	Time <u>8:00</u>	Delivered by <u>Am (clb)</u>	Date _____	Time _____	Analysis by _____	Date _____	Time _____	Delivered by _____	Date _____	Time _____





9201 West Broadway North, Suite 600  
Brooklyn Park, MN 55445  
(763) 315-7900  
1-800-233-9513

1680

# CHAIN OF CUSTODY

Page 2 of 2

Client # \_\_\_\_\_ Project # 201910289

Building Name 1799 York Ave

Shaded Areas are for  
Laboratory Use Only!

Client Ramsay County

Project Name \_\_\_\_\_

Address \_\_\_\_\_

Contact Person Allen Nelson

Contact Person Phone \_\_\_\_\_

Other Information Don't know <1%

Verbal results to \_\_\_\_\_

Phone, Fax No. or E-Mail \_\_\_\_\_

TAT (circle) 6 hr 1d 2d 3d 4d Specify \_\_\_\_\_

Verbal results relayed to \_\_\_\_\_

Verbal results relayed by \_\_\_\_\_

Date \_\_\_\_\_

Time \_\_\_\_\_

Analysis location: ☐ On Site ☐ Lab ☐ Regional Office ☐ Other \_\_\_\_\_

Sample #	Work Area or Phase #	Comments / Location	Sample type or Material code	Volume	Matrix type			Analysis requested				Filter type		
					Air	Bulk	Dust	PCM	PLM	TEM	Other	MCE	.8 um	.45 um
13191908-16	2nd Fl	Knock-Down Texture	1-2 Test		<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-17	Bed 1	1	5 lbs		<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-18	Bed 1	Sheet-Flooring			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-19	1	Plaster			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-20	1	Cellulose Insulation	2 Test		<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-21	1	1	5 lbs		<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-22	1st Fl Room	1	5 lbs		<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-23	Stairs	Miscellaneous Insulation	2 Test		<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-24	1	1	5 lbs		<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-25	1	1	5 lbs		<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-26	Room	Shingles			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-27	Exterior	Vapor Barrier - Tar Paper			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-28	1	Carly			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-29	1st Fl Room	Living Room 16" Ceramic Floor tile system Cont	1 Test		<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-30	1 Bed	Bed Room			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-31	Bed 1	Concrete Board			<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

The MN Department of Health Alternative Indoor Air Standard for this project is: \_\_\_\_\_

F/C.C. \_\_\_\_\_

Batch Number: \_\_\_\_\_

Samples Acceptable? ☐ Yes ☐ No

Sampled by <u>[Signature]</u>	Date <u>3/9/19</u>	Time <u>1700</u>	Delivered by _____	Date _____	Time _____	Received by lab _____	Date _____	Time _____	Entered by _____	Date _____	Time _____
Received by _____	Date _____	Time _____	Delivered by _____	Date _____	Time _____	Analysis by _____	Date _____	Time _____	Delivered by _____	Date _____	Time _____

## **SECTION IV**

### **Lead-Based Paint Inspection Summary**

## LEAD-BASED PAINT INSPECTION SUMMARY

---

**Inspection for:** Ramsey County

**Performed at:** 1799 York Avenue, St. Paul, Minnesota 55119 (the Building)

**Performed by:** Collin Nelson, Institute for Environmental Assessment

**Inspection Dates:** March 19, 2019

**Instrument Used:** Thermo Fisher Scientific Niton Corporation X-Ray Fluorescence (XRF) Analyzer

**Serial Number:** 16071

**Standard:** 1.0 mg/cm<sup>2</sup>

Rooms within the Building and the exterior were randomly inspected for homogenous painted surfaces.

A total of twenty-seven (27) surfaces were analyzed for lead content utilizing the XRF Analyzer. All samples were given a result of positive or negative for lead (above or below 1.0 mg/cm<sup>2</sup>), the standard established by the Minnesota Department of Health (MDH) and HUD for lead in paint. Results are located in Section V.

Rooms were given number designations for identification. Maps with room names are located in Section II.

Positive results include:

- ◆ Basement Photo Area Door

The EPA requires that lead-based paint in child-occupied facilities as defined in 40 CFR Part 745 shall be removed and/or repaired by a certified contractor using specific work procedures.

For purposes of renovation, the renovation contractor must be notified of the lead content in paint. It is the contractor's responsibility to comply with OSHA's Lead in Construction "Interim Final Rule" 29 CFR 1926.62. OSHA does not acknowledge the standards established by MDH and HUD and regulates any amount of lead in paint.

Calibration check tests were conducted throughout the inspection using standards with a known lead content of 0.8 mg/cm<sup>2</sup> to 1.2 mg/cm<sup>2</sup>.

# **SECTION V**

## **Lead-Based Paint Inspection Report**

**Table II: XRF Lead-Based Paint Sampling Results**  
**Institute of Environmental Assessment, Inc.**  
**9201 West Broadway Avenue, Suite 600**  
**Brooklyn Park, MN 55445**  
**763-315-7900**

**Client: Ramsey County**

**Date of Survey: March 19, 2019**

**Location: 1799 York Avenue, St. Paul, Minnesota**

**Project No.: 201910288**

XRF #	Floor	Room	Component	Substrate	Color	Condition	Depth Index	Results	Results mg/cm <sup>2</sup>
3	Second	Bedroom 1	Ceiling	Plaster	White	Intact	10	Negative	0.3
4	Second	Bedroom 1	Wall	Plaster	White	Intact	6.92	Negative	0.09
5	Second	Bedroom 1	Window Casing	Wood	White	Intact	5.61	Negative	0.08
7	Second	Bedroom 1	Door Casing	Wood	White	Intact	3.17	Negative	0.1
8	Second	Bedroom 2	Door	Wood	Gray	Intact	7.92	Negative	0.23
9	Second	Bedroom 2	Wall	Plaster	White	Intact	1	Negative	0
10	Second	Bedroom 2	Ceiling	Plaster	White	Intact	1	Negative	0
11	Second	Hall	Baseboard	Wood	Stain	Intact	1.15	Negative	0.03
12	First	Living Room	Ceiling	Drywall	White	Intact	1	Negative	0
13	First	Living Room	Wall	Drywall	White	Intact	1.84	Negative	0
14	First	Living Room	Wall	Drywall	Beige	Intact	1	Negative	0
15	First	Hall	Wall	Plaster	Tan	Intact	2.95	Negative	0.01
16	First	Kitchen	Wall	Plaster	Beige	Intact	1	Negative	0
17	First	Kitchen	Ceiling	Plaster	White	Intact	2.03	Negative	0.01
18	First	Kitchen	Window Mullion	Wood	White	Intact	1	Negative	0
19	First	Dining Room	Window Frame	Wood	White	Intact	2.35	Negative	0.02
21	First	Dining Room	Ceiling	Plaster	White	Intact	1	Negative	0
22	First	Dining Room	Wall	Plaster	Brown	Intact	1	Negative	0
23	First	Dining Room	Wall	Plaster	Tan	Intact	1	Negative	0
24	Basement	Photo Area	Wall	Drywall	Black	Intact	1	Negative	0
26	Basement	Photo Area	Ceiling	Drywall	White	Intact	1	Negative	0
27	Basement	Photo Area	Wall	Drywall	Blue	Intact	1	Negative	0
<b>28</b>	<b>Basement</b>	<b>Photo Area</b>	<b>Door</b>	<b>Wood</b>	<b>Black</b>	<b>Intact</b>	<b>3.44</b>	<b>Positive</b>	<b>8</b>
29	Basement	Bathroom	Door	Wood	Brown	Intact	1	Negative	0
32	Basement	Storage	Wall	Concrete	White	Intact	10	Negative	0.01
33	Basement	Utility Room	Wall	Concrete	White	Intact	1.35	Negative	0
37	Basement	Utility Room	Chimney	Brick	White	Intact	1.49	Negative	0.01

# **SECTION VI**

## **Hazardous Material Inventory Summary**

**Table III: Regulated Materials Inventory**  
**Institute of Environmental Assessment, Inc.**  
**9201 West Broadway Avenue, Suite 600**  
**Brooklyn Park, MN 55445**  
**763-315-7900**

**Client: Ramsey County**

**Date of Survey: March 19, 2019**

**Location: 1799 York Avenue, St. Paul, Minnesota**

**Project No.: 201910288**

Area Location	Regulated Items - Associated Hazards	Quantity
2nd Floor - Bedroom 1	--	--
2nd Floor - Bedroom 2	--	--
1st Floor - Porch	--	--
1st Floor - Living Room	Light Ballast - PCBs/Oil	1
	Door Closer - Oils	4
1st Floor - Kitchen	--	--
1st Floor - Dining Room	--	--
1st Floor - Bathroom	--	--
Basement - Utility	Light Ballast - PCBs/Oil	1
	4' Fluorescent Bulbs - Mercury	2
	Gas Furnace - Circuitry	1
	Water Heater - Appliance	1
Basement - Storage	Light Ballast - PCBs/Oil	1
	Circular Fluorescent Bulbs - Mercury	1
Basement - Bathroom	--	--
Basement - Photo Area	Light Ballast - PCBs/Oil	1
	2' Fluorescent Bulbs - Mercury	1
	Exit Sign - Circuitry	1
Basement - Exterior	Compact Fluorescent Bulbs - Mercury	1
	Electric Meter - Circuitry	1

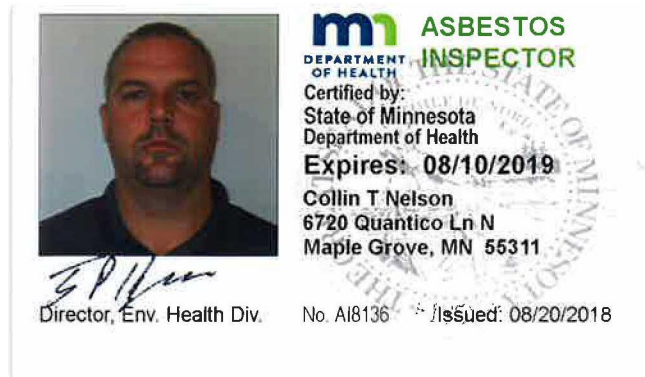
## **SECTION VII**

### **Asbestos and Lead Risk Assessor's Licenses**



## Asbestos Inspector State Certification/Accreditation

---



### Inspector

I have completed an EPA-approved training course and all appropriate refresher courses and am licensed as an Asbestos Inspector by the Minnesota Department of Health.

Signature

March 19, 2019

Date of Inspection

Collin Nelson

Print Name

AI8136

State Certification/Accreditation Number

## Lead Risk Assessor Certification/Accreditation

---



### Risk Assessor

I have completed an approved training course and all appropriate refresher courses and am licensed as a Lead Risk Assessor by the Minnesota Department of Health.

Signature

March 19, 2019

Date of Inspection

Collin Nelson

Print Name

LR720

State Certification/Accreditation Number