

October 2, 2014

City of Sandy Springs
7840 Roswell Road
Sandy Springs, GA 30350

Attention: Mr. Adam Lyon

Reference: **Limited Asbestos Survey**
Former City of Sandy Springs Masonic Lodge
100 Johnson Ferry Road, NE
Sandy Springs, Fulton Co., Georgia
Project No.: 1-14-545A

Dear Mr. Lyon:

Maxis Engineering, LLC (Maxis) is pleased to submit this Limited Asbestos Survey for the above-referenced property. The purpose of this asbestos survey was to identify asbestos containing materials (ACMs) associated with the structure located on the referenced property prior to demolition activities.

INTRODUCTION

Maxis was retained by the City of Sandy Springs to complete a Limited Asbestos Survey for the Former City of Sandy Springs Masonic Lodge located at 100 Johnson Ferry Road, NE, Sandy Springs, Georgia, hereafter referred to as “subject property.” Based on a site reconnaissance performed by Maxis, the subject property appears to be improved with one, two-story block and metal constructed, brick sided commercial building.

Maxis understands that you plan to demolish the building on the subject property; thus, per the Environmental Protection Agency (EPA) National Emission Standard for Hazardous Air Pollutants (NESHAP) regulations, ACMs must be identified and categorized based on friability prior to disturbance.

INVESTIGATIVE PROCEDURES

The asbestos survey was performed on September 17, 2014, by a certified asbestos inspector; the current certification has been included in **Appendix A**. The survey involved performing a walk-through of the structure, grouping suspect ACMs into “homogeneous materials” (similar color, texture or time of installation), describing location and extent of material, and collecting bulk samples.

The survey for suspect ACMs included sampling and laboratory analysis of the following: (exterior) brick/mortar; (interior) – flooring, ceiling tiles, dry wall, joint compound and tape, bathroom tile/grout, and insulation. A total of twenty-five (25) bulk

samples were collected and recorded on a chain-of-custody form and submitted to Bureau Veritas North America, Inc. (Bureau Veritas) laboratory in Kennesaw, Georgia for analysis. Bureau Veritas is accredited by the National Voluntary Laboratory Accreditation Program, which is administered by the National Institute of Standards and Technology.

The bulk samples were analyzed by Polarized Light Microscopy (PLM) techniques coupled with dispersion staining in accordance with EPA Test Method Title 40 Code of Federal Regulations, Chapter I, Part 763, Subpart E-Appendix E. This method identifies asbestos mineral fibers based on six optical characteristics: morphology, birefringence, refractive index, extinction angle, sign of elongation, and dispersion staining colors. The laboratory analysis reports the specific type of asbestos identified (there are six asbestos minerals) and the percentage of asbestos within the specific bulk material/sample. The EPA and Occupational Safety and Health Administration (OSHA) define materials as asbestos containing if the asbestos content detected in a representative sample is greater than one percent (>1%).

The following bulk samples were collected from each structure.

100 Johnson Ferry Road, NE

Lab ID	Sample ID	Layers	Sample Location	% Asbestos	Asbestos Mineral
001A	DR-1A	2	Ceiling Tile	ND	ND
002A	DK1-B	2	Ceiling Tile/Sheetrock Tile	ND	ND
003A	BR1-C	2	Ceiling Tile/Sheetrock Tile	ND	ND
004A	DR2-D	2	Ceiling Tile	ND	ND
005A	DR3-E	2	Ceiling Tile	ND	ND
006A	CL1-F	2	Floor Tile/Mastic	10%	Chrysotile
007A	HL-G	3	Floor Tile/Grout/Mastic	10%	Chrysotile
008A	DR1-H	5	Sheetrock/Wall Joint Compound/Tape	<1%	Chrysotile

009A	DK1-I	5	Sheetrock/Wall Joint Compound/Tape	<1%	Chrysotile
010A	DK1-J	1	Duct Insulation	ND	ND
011A	CL1-K	2	Baseboard/Mastic	ND	ND
012A	CL1-L	3	Wall Joint Compound/Tape	<1%	Chrysotile
013A	DR2-M	3	Wall Joint Compound/Tape	<1%	Chrysotile
014A	BR1-N	2	Wall Tile/Mastic	ND	ND
015A	BR1-O	3	Floor Tile/Grout	ND	ND
016A	HL-P	3	Sheetrock/Joint Compound/Tape	<1%	Chrysotile
017A	UR3-Q	4	Sheetrock/Joint Compound/Tape	<1%	Chrysotile
018A	UR3-R	2	Floor Tile/Mastic	3%	Chrysotile
019A	UR1-S	2	Ceiling Tile	ND	ND
020A	UR1-T	5	Sheetrock/Joint Compound/Tape	<1%	Chrysotile
021A	UR1-U	3	Floor Tile/Grout	ND	ND
022A	UR1-V	2	Baseboard/Mastic	ND	ND
023A	UR5-W	2	Ceiling Tile/Sheetrock Tile	ND	ND
024A	UR5-X	1	Duct Insulation	ND	ND
025A	EXT-Y	2	Exterior Brick and Mortar	ND	ND



Note:
 ND = No Asbestos Detected

RESULTS

The laboratory analytical results and the chain-of-custody are provided in **Appendix B**. The bulk samples which contained an asbestos content greater than 1% are classified as ACMs. The ACMs associated with the subject property are identified below with the approximate amount of material and the applicable NESHAP Category.

Lab ID	Sample ID	Sample Location	Material	Approx. Amount	NESHAP Category	% Asbestos	Asbestos Mineral
006A	CL1-F	Floor Tile/Mastic	Homogenous Yellow Floor Tile with Black Mastic	75 ft ²	Category I	10%	Chrysotile
007A	HL-G	Floor Tile/Grout/Mastic	Homogenous Cream Ceramic Tile/White Grout with Black Mastic	450 ft ²	Category I	10%	Chrysotile
018A	UR3-R	Floor Tile/Mastic	Homogenous White Floor Tile with Black Mastic	270 ft ²	Category I	3%	Chrysotile

CONCLUSIONS AND RECOMMENDATIONS

Three of the twenty-five bulk samples collected had an asbestos content greater than 1%, which are classified as ACMs. Although the ACMs were found to be in good condition, due to likelihood of disturbance during demolition, the material must be abated prior to any demolition activities. The identified ACM must be removed by a Georgia certified asbestos abatement contractor prior to renovation or demolition. A copy of this report should be provided to the selected abatement contractor to ensure compliance with applicable State and Federal regulations

The possibility exists that additional suspect ACMs may be present in inaccessible areas such as pipe chases, wall voids, flooring overlays, etc...If additional suspect materials are discovered at a later date during demolition activities, bulk samples should be collected and analyzed for asbestos content.

The Georgia Department of Natural Resources Environmental Protection Division, Asbestos Program requires notification prior to renovation or demolition activities regardless of the presence of asbestos. The Georgia Department of Natural Resources

Environmental Protection Division, Asbestos and Lead-based Paint Program requires notification prior to demolition activities regardless of the presence of asbestos.

CLOSING

Maxis appreciates the opportunity to conduct this Limited Asbestos Survey for this project. Please contact us at (770) 694-6178 if you have any questions regarding the information contained in this report.

Sincerely,

Maxis Engineering, LLC



Rebecca K. Donnelly.
Project Manager

APPENDIX A

Asbestos Inspector Certification

The Environmental Institute

Ronnie Lester

Social Security Number - XXX-XX-4150

Maxis Engineering, LLC - 1100 Howell Bridge Road - Ball Ground, Georgia 30107

*Has completed coursework and satisfactorily passed
an examination that meets all criteria required for
EPA/AHERA/ASHARA (TSCA Title II) Approved Accreditation*

Asbestos in Buildings: Inspection and Assessment

April 7-9, 2014

Course Date

4636

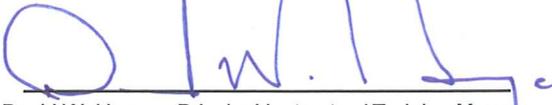
Certificate Number

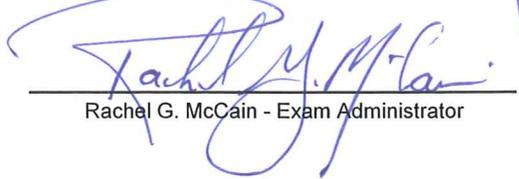
April 9, 2014

Examination Date

April 8, 2015

Expiration Date


David W. Hogue - Principal Instructor / Training Manager


Rachel G. McCain - Exam Administrator



(Approved by the ABIH Certification Maintenance Committee for 3 CM points - Approval #11-529)
(Florida Provider Registration Number FL49-0001342 - Course #FL49-0004700)

TEI - 1841 West Oak Parkway, Suite F - Marietta, Georgia 30062 - (770) 427-3600 - www.tei-atl.com

APPENDIX B

Laboratory Analytical Results and COC



September 23, 2014

Trevor Holbert
MAXIS ENGINEERING
501 Hickory Ridge Trail
Suite 110
Woodstock, GA 30188

Bureau Veritas Work Order No.: A1409229

Reference: 1-14-545A - MASONIC LODGE

Dear Trevor Holbert:

Bureau Veritas North America, Inc. received 25 samples on September 17, 2014 for the analyses presented in the following report.

The results apply only to the samples analyzed in this project. Please note that any unused portion of the samples will be discarded after a sixty-day holding period, unless you have requested otherwise.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number provided below.

We appreciate the opportunity to assist you. If you have any questions concerning the report, please contact the analyst whose name appears on the report or myself at (770) 499-7701.

Sincerely,

Kuntal Parikh

Senior Microscopist

Electronic signature authorized through password protection

Bureau Veritas North America, Inc.

Health, Safety, and Environmental Services
3380 Chastain Meadows Parkway, Suite 300
Kennesaw, GA 30144

Main: (770) 499-7701
Fax: (770) 499-7511
www.us.bureauveritas.com



CASE NARRATIVE

Date: 23-Sep-14

CLIENT: MAXIS ENGINEERING
Project: 1-14-545A - MASONIC LODGE
Work Order No A1409229

ANALYTICAL METHOD FOR ASBESTOS IN BULK SAMPLES USING POLARIZED LIGHT MICROSCOPY (PLM)

The results of this report relate only to the samples listed in the body of this report.

Unless otherwise noted below, the following statements apply: 1) all samples were received in acceptable condition, 2) all quality control results associated with this sample set were within acceptable limits and/or do not adversely affect the reported results, and 3) the industrial hygiene results have not been blank corrected unless otherwise noted.

Use of EPA/600/R-93/116 satisfies applicable requirements of the USEPA's "Interim Method for the Determination of Asbestos in Bulk Insulation Sample", EPA-600/M4-82-020, December 1982, published as Appendix E to Subpart E of 40CFR763. Bulk samples analyzed by New York State methods follow stratified point counting methods (198.1) or Method 198.6 for PLM non-friable organically bound materials (NYSDOH Lab Code –11645). Percentages are visual estimations of asbestos >10:1 aspect ratio. The reliable limit of quantitation of the method is 1%, although asbestos may be qualitatively detected at concentrations less than 1%. Samples for which asbestos is detected at <1% are reported as trace, "<1%". "None Detected" indicates that no asbestos fibers were observed. NESHAP requires point counting of a bulk sample when the result is <10% by a method other than point counting. EPA, however states that if 3 mounts of the sample are analyzed and the asbestos percentage is <10% by visual estimation, the client may elect to assume the amount to be greater than 1% or require verification by point counting. If the result by point counting is different than the result obtained by visual estimation, the point count result will be used. Sample friability or non-friability noted on the report is a requirement for the State of California and refers only to the condition of the sample under macroscopic examination. It does not imply friability or non-friability for the sample as collected or observed in the field as determined by the person collecting the sample. The Kennesaw, Georgia lab is accredited by NVLAP –Lab Code 101125-0.

(a)Polarized- light microscopy is not consistently reliable in detecting asbestos in floor coverings, similar non-friable organically bound materials, soil and vermiculite. Quantitative electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. When analysis of such materials by PLM yields results negative for the presence of asbestos, Bureau Veritas recommends utilizing quantitative transmission electron microscopy (TEM). For more information, contact the laboratory.

References



CLIENT: MAXIS ENGINEERING
Project: 1-14-545A - MASONIC LODGE
Work Order No A1409229

McCrone, Walter C. 1980. The Asbestos Particle Atlas. Ann Arbor, MI: Ann Arbor Science Publishers, Inc.

United States Environmental Protection Agency. Environmental Monitoring Systems Laboratory. 1982. Interim Method for the Determination of Asbestos in Bulk Insulation Samples. EPA-600/M4-82-020. Washington: GPO, December.

United States Environmental Protection Agency. Method for the Determination of Asbestos in Bulk Building Materials. EPA-600/R-93/116, July 1993 (PLM)

Fed. Reg. Vol. 55, No.224, 11/20/90, p.48415 (NESHAP)
EPA Memorandum 5/8/1991 –NESHAP Clarifications

NYSDOH Methods 198.1/198.6



ANALYTICAL RESULTS

Date: 23-Sep-14

CLIENT: MAXIS ENGINEERING

Sample Type: Bulk

Work Order No.: A1409229

Date Received: 9/17/2014

Client Reference: 1-14-545A - MASONIC LODGE

Report Date:

Method Reference: EPA-600/M4-82-020/EPA/600/R-93/116/NYELAP 198.1

Lab ID	Client Sample ID	Analyst	Date Sampled	Date Analyzed			
001A	DR1-A	TM	09/17/2014	09/22/2014			
Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	1	Homogeneous White Paint	None Detected		Non-Detected		Binder/Filler
(2)	99	Homogeneous Gray Ceiling Tile	None Detected		Cellulose fiber Fibrous glass	40% 20%	Binder/Filler
002A	DK1-B	TM	09/17/2014	09/22/2014			
Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	2	Homogeneous White Paint	None Detected		Non-Detected		Binder/Filler
(2)	98	Non-homogeneous Brown/Off White Drywall	None Detected		Cellulose fiber	15%	Binder/Filler
003A	BR1-C	TM	09/17/2014	09/22/2014			
Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	1	Homogeneous White Paint	None Detected		Non-Detected		Binder/Filler
(2)	99	Non-homogeneous Brown/Off White Drywall	None Detected		Cellulose fiber	15%	Binder/Filler
004A	DR2-D	TM	09/17/2014	09/22/2014			
Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	1	Homogeneous White Paint	None Detected		Non-Detected		Binder/Filler
(2)	99	Homogeneous Gray Ceiling Tile	None Detected		Cellulose fiber Fibrous glass	40% 3%	Binder/Filler
005A	DR3-E	TM	09/17/2014	09/22/2014			
Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	1	Homogeneous White Paint	None Detected		Non-Detected		Binder/Filler
(2)	99	Homogeneous Gray Ceiling Tile	None Detected		Cellulose fiber Fibrous glass	40% 5%	Binder/Filler

The reliable limit of quantitation of the method is 1%, although asbestos may be qualitatively detected at concentrations less than 1%. Samples for which asbestos is detected at <1% are reported as trace, "<1%". "None Detected" indicates that no asbestos fibers were observed.

Analyst(s) Name/Date:

Thomas J. Mink



ANALYTICAL RESULTS

Date: 23-Sep-14

CLIENT: MAXIS ENGINEERING

Sample Type: Bulk

Work Order No.: A1409229

Date Received: 9/17/2014

Client Reference: 1-14-545A - MASONIC LODGE

Report Date:

Method Reference: EPA-600/M4-82-020/EPA/600/R-93/116/NYELAP 198.1

Lab ID	Client Sample ID	Analyst	Date Sampled	Date Analyzed			
006A	CL1-F	TM	09/17/2014	09/22/2014			
Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	98	Homogeneous Yellow Floor Tile	Chrysotile	10%	Non-Detected		Binder/Filler
(2)	2	Homogeneous Black Mastic	Chrysotile	10%	Non-Detected		Binder/Filler
				Total	10%		
007A	HL-G	TM	09/17/2014	09/22/2014			
Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	94	Homogeneous Cream Ceramic Tile	None Detected		Non-Detected		Binder/Filler
(2)	5	Homogeneous White Grout	None Detected		Cellulose fiber	1%	Binder/Filler
(3)	1	Homogeneous Black Mastic	Chrysotile	10%	Non-Detected		Binder/Filler
				Total	<1%		
008A	DR1-H	TM	09/17/2014	09/22/2014			
Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	2	Homogeneous Gray Paint	None Detected		Non-Detected		Binder/Filler
(2)	30	Homogeneous White Joint Compound	Chrysotile	< 1%	Non-Detected		Binder/Filler
(3)	10	Homogeneous Cream Tape	None Detected		Cellulose fiber	90%	Binder/Filler
(4)	10	Homogeneous White Joint Compound	Chrysotile	< 1%	Non-Detected		Binder/Filler
(5)	48	Non-homogeneous Brown/Off White Drywall	None Detected		Cellulose fiber	25%	Binder/Filler
				Total	<1%		
009A	DK1-I	TM	09/17/2014	09/22/2014			
Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	5	Homogeneous Gray Paint	None Detected		Non-Detected		Binder/Filler
(2)	55	Homogeneous White Joint Compound	Chrysotile	< 1%	Non-Detected		Binder/Filler
(3)	8	Homogeneous Cream Tape	None Detected		Cellulose fiber	90%	Binder/Filler
(4)	25	Homogeneous White Joint Compound	Chrysotile	< 1%	Non-Detected		Binder/Filler
(5)	7	Homogeneous Brown Tape	None Detected		Cellulose fiber	90%	Binder/Filler
				Total	<1%		

The reliable limit of quantitation of the method is 1%, although asbestos may be qualitatively detected at concentrations less than 1%. Samples for which asbestos is detected at <1% are reported as trace, "<1%". "None Detected" indicates that no asbestos fibers were observed.

Analyst(s) Name/Date: _____

Thomas J. Muel



ANALYTICAL RESULTS

Date: 23-Sep-14

CLIENT: MAXIS ENGINEERING

Sample Type: Bulk

Work Order No.: A1409229

Date Received: 9/17/2014

Client Reference: 1-14-545A - MASONIC LODGE

Report Date:

Method Reference: EPA-600/M4-82-020/EPA/600/R-93/116/NYELAP 198.1

Lab ID	Client Sample ID	Analyst	Date Sampled	Date Analyzed			
010A	DK1-J	TM	09/17/2014	09/22/2014			
Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	100	Homogeneous Brown Insulation	None Detected		Fibrous glass	90%	Binder/Filler Foil
011A	CL1-K	TM	09/17/2014	09/22/2014			
Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	98	Homogeneous Gray Cove Base	None Detected		Non-Detected		Binder/Filler
(2)	2	Homogeneous Brown Mastic	None Detected		Cellulose fiber	1%	Binder/Filler
					Wollastonite	3%	
012A	CL1-L	TM	09/17/2014	09/22/2014			
Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	5	Homogeneous Yellow Paint	None Detected		Non-Detected		Binder/Filler
(2)	60	Homogeneous White Joint Compound	Chrysotile	< 1%	Non-Detected		Binder/Filler
(3)	35	Non-homogeneous Brown/Off White Drywall	None Detected		Cellulose fiber	25%	Binder/Filler
					Total	<1%	
013A	DR2-M	TM	09/17/2014	09/22/2014			
Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	5	Homogeneous Yellow Paint	None Detected		Non-Detected		Binder/Filler
(2)	15	Homogeneous White Joint Compound	Chrysotile	< 1%	Non-Detected		Binder/Filler
(3)	80	Homogeneous Cream Wall Paper	None Detected		Cellulose fiber	65%	Binder/Filler
					Total	<1%	
014A	BR1-N	TM	09/17/2014	09/22/2014			
Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	95	Homogeneous Beige Ceramic Tile	None Detected		Non-Detected		Binder/Filler
(2)	5	Non-homogeneous Brown Mastic/Fibers	None Detected		Cellulose fiber	5%	Binder/Filler

The reliable limit of quantitation of the method is 1%, although asbestos may be qualitatively detected at concentrations less than 1%. Samples for which asbestos is detected at <1% are reported as trace, "<1%". "None Detected" indicates that no asbestos fibers were observed.

Analyst(s) Name/Date: _____

Thomas J. Mink



ANALYTICAL RESULTS

Date: 23-Sep-14

CLIENT: MAXIS ENGINEERING

Sample Type: Bulk

Work Order No.: A1409229

Date Received: 9/17/2014

Client Reference: 1-14-545A - MASONIC LODGE

Report Date:

Method Reference: EPA-600/M4-82-020/EPA/600/R-93/116/NYELAP 198.1

Lab ID	Client Sample ID	Analyst	Date Sampled	Date Analyzed
015A	BR1-O	TM	09/17/2014	09/22/2014

Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	80	Homogeneous Beige Ceramic Tile	None Detected		Non-Detected		Binder/Filler
(2)	15	Homogeneous Tan Grout	None Detected		Non-Detected		Binder/Filler
(3)	5	Non-homogeneous Cream/Black Tape	None Detected		Cellulose fiber	70%	Binder/Filler

016A	HL-P	TM	09/17/2014	09/22/2014
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Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	60	Homogeneous White Joint Compound	Chrysotile	< 1%	Non-Detected		Binder/Filler
(2)	15	Homogeneous Cream Tape	None Detected		Cellulose fiber	90%	Binder/Filler
(3)	25	Non-homogeneous Brown/Off White Drywall	None Detected		Cellulose fiber	15%	Binder/Filler

Total <1%

017A	UR3-Q	TM	09/17/2014	09/22/2014
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Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	55	Non-homogeneous White Joint Compound <i>Layer Comment: Paint layer is inseparable.</i>	Chrysotile	< 1%	Non-Detected		Binder/Filler
(2)	10	Homogeneous Cream Tape	None Detected		Cellulose fiber	90%	Binder/Filler
(3)	15	Homogeneous White Joint Compound	Chrysotile	< 1%	Non-Detected		Binder/Filler
(4)	20	Non-homogeneous Brown/Off White Drywall	None Detected		Cellulose fiber	15%	Binder/Filler

Total <1%

018A	UR3-R	TM	09/17/2014	09/22/2014
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Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	98	Homogeneous White Floor Tile	Chrysotile	3%	Non-Detected		Binder/Filler
(2)	2	Homogeneous Black Mastic	Chrysotile	5%	Cellulose fiber	2%	Binder/Filler

Total 3%

The reliable limit of quantitation of the method is 1%, although asbestos may be qualitatively detected at concentrations less than 1%. Samples for which asbestos is detected at <1% are reported as trace, "<1%". "None Detected" indicates that no asbestos fibers were observed.

Analyst(s) Name/Date: _____

Thomas J. Mink



ANALYTICAL RESULTS

Date: 23-Sep-14

CLIENT: MAXIS ENGINEERING

Sample Type: Bulk

Work Order No.: A1409229

Date Received: 9/17/2014

Client Reference: 1-14-545A - MASONIC LODGE

Report Date:

Method Reference: EPA-600/M4-82-020/EPA/600/R-93/116/NYELAP 198.1

Lab ID	Client Sample ID	Analyst	Date Sampled	Date Analyzed
019A	UR1-S	TM	09/17/2014	09/22/2014

Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	1	Homogeneous White Paint	None Detected		Non-Detected		Binder/Filler
(2)	99	Homogeneous Gray Ceiling Tile	None Detected		Cellulose fiber Fibrous glass	40% 20%	Binder/Filler

020A	UR1-T	TM	09/17/2014	09/22/2014
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Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	2	Homogeneous Blue Paint	None Detected		Non-Detected		Binder/Filler
(2)	45	Homogeneous White Joint Compound	Chrysotile	< 1%	Non-Detected		Binder/Filler
(3)	15	Homogeneous Cream Tape	None Detected		Cellulose fiber	90%	Binder/Filler
(4)	33	Homogeneous White Joint Compound	Chrysotile	< 1%	Non-Detected		Binder/Filler
(5)	5	Homogeneous Brown Tape	None Detected		Cellulose fiber	90%	Binder/Filler
				Total	<1%		

021A	UR1-U	TM	09/17/2014	09/22/2014
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Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	80	Homogeneous Black Ceramic Tile	None Detected		Non-Detected		Binder/Filler
(2)	15	Homogeneous Gray Grout	None Detected		Cellulose fiber	2%	Binder/Filler
(3)	5	Non-homogeneous Black Rubber Material	None Detected		Non-Detected		Binder/Filler

022A	UR1-V	TM	09/17/2014	09/22/2014
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Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	98	Homogeneous Brown Cove Base	None Detected		Non-Detected		Binder/Filler
(2)	2	Homogeneous Brown/White Mastic	None Detected		Cellulose fiber Wollastonite	1% 2%	Binder/Filler

Layer Comment: Paint layer is inseparable.

The reliable limit of quantitation of the method is 1%, although asbestos may be qualitatively detected at concentrations less than 1%. Samples for which asbestos is detected at <1% are reported as trace, "<1%". "None Detected" indicates that no asbestos fibers were observed.

Analyst(s) Name/Date: _____

Thomas J. Mink



ANALYTICAL RESULTS

Date: 23-Sep-14

CLIENT: MAXIS ENGINEERING

Sample Type: Bulk

Work Order No.: A1409229

Date Received: 9/17/2014

Client Reference: 1-14-545A - MASONIC LODGE

Report Date:

Method Reference: EPA-600/M4-82-020/EPA/600/R-93/116/NYELAP 198.1

Lab ID	Client Sample ID	Analyst	Date Sampled	Date Analyzed			
023A	UR5-W	TM	09/17/2014	09/22/2014			
Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	2	Homogeneous White Paint	None Detected		Non-Detected		Binder/Filler
(2)	98	Non-homogeneous Brown/Off White Drywall	None Detected		Cellulose fiber	15%	Binder/Filler
024A	UR5-X	TM	09/17/2014	09/22/2014			
Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	100	Homogeneous Yellow Insulation	None Detected		Mineral Wool	90%	Binder/Filler Foil
025A	EXT-Y	TM	09/17/2014	09/22/2014			
Layer	POB	Sample Morphology	Asbestos	%	Other Fibers	%	Particulate
(1)	30	Homogeneous Red Brick	None Detected		Non-Detected		Binder/Filler
(2)	70	Homogeneous Gray Grout	None Detected		Non-Detected		Binder/Filler

Laboratory Limits

Laboratory

Range	R Limit	Quartile Limit
0.1-1	100	+/- 1.482
10-100	100	+/- 22.23
1-10	100	+/- 7.41
Trace	100	+/- 1.482

Thomas Michel (TM)

Range	R Limit	Quartile Limit
0.1-1	100	+/- 1.482
10-100	100	+/- 26.676
1-10	100	+/- 5.928
Trace	100	+/- 1.482

The reliable limit of quantitation of the method is 1%, although asbestos may be qualitatively detected at concentrations less than 1%. Samples for which asbestos is detected at <1% are reported as trace, "<1%". "None Detected" indicates that no asbestos fibers were observed.

Analyst(s) Name/Date: _____

Thomas Michel

REQUEST FOR LABORATORY ANALYTICAL SERVICES

For Bureau Veritas Use Only
Bureau Veritas Lab Project No.

A1409229



BUREAU VERITAS

Bureau Veritas North America, Inc.

Detroit Lab
22345 Roethel Drive
Novi, MI 48375
(300) 806-5887
(248) 344-1770
Fax (248) 344-2655

Atlanta Lab
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Kennesaw, GA 30144
(800) 252-9919
(770) 499-7500
Fax (770) 499-7511

Chicago Lab
95 Oakwood Road
Lake Zurich, IL 60047
(888) 576-7522
(847) 726-3320
Fax (847) 726-3323

RUSH ANALYSIS
CONTACT LAB IN ADVANCE
Need Results by: / /
Charges Authorized? Yes No
(if yes, initial here)
 Email Results Fax

Name: <u>Trever Holbert</u>		Client Job. No.:					
Company: <u>Matrix Engineering</u>		Dept.:					
Mailing Address: <u>501 Hickory Ridge Trail, Suite #110</u>							
City, State, Zip: <u>Woodstock, GA 30188</u>							
Telephone No. (770) 608-8030		Fax No. <u>N/A</u>					
Special instructions and/or specific regulatory requirements: <u>MASONIC LODGE</u>							
* Explanation of Preservation							
CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)*	FOR LAB USE ONLY
DR1-A	9-17-14	12:05			1		
DK1-B		12:10			1		
BR1-C		12:12			1		
DR2-D		12:15			1		
DR3-E		12:17			1		
CL1-F		12:20			1		
HL-G		12:22			1		
DR1-H		12:25			1		
DK1-I		12:27			1		
DK1-J		12:30			1		
CL1-K		12:32			1		
CL1-L		12:35			1		
Collected by: <u>Trever Holbert</u>				Collector's Signature:			
Relinquished by: <u>[Signature]</u>				Received by: <u>[Signature]</u>			
Relinquished by: <u>[Signature]</u>				Received by: <u>[Signature]</u>			
Method of Shipment:				Received at Lab by: <u>[Signature]</u>			
Authorized by:				Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)			
Date:				Date/Time: <u>9/17/14</u>			
Date:				Date/Time: <u>9/17/14</u>			
Date:				Date/Time: <u>9/17/14</u>			

(Client Signature MUST Accompany Request)

LABORATORY COPY

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Fax (847) 726-3323

RUSH ANALYSIS

CONTACT LAB IN ADVANCE

Need Results by: / /

Charges Authorized? Yes No
(if yes, initial here)

Email Results Fax

Name: <u>Trevor Holbert</u>		Client Job. No.					
Company: <u>MAXIS ENGINEERING</u>		Dept.					
Mailing Address: <u>501 Hickory Ridge Trail, Suite #110</u>							
City, State, Zip: <u>WOODSTOCK, GA 30188</u>							
Telephone No.: <u>(770) 608-8030</u>		Fax No.: <u>N/A</u>					
Special instructions and/or specific regulatory requirements: <u>MASONIC LODGE</u>							
* Explanation of Preservation							
CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers	ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)*	FOR LAB USE ONLY
DR2-M	9-17-14	12:38			1		
BR1-N		12:40			1		
BR1-O		12:42			1		
HL-P		12:45			1		
UR3-Q		12:50			1		
UR3-R		12:52			1		
UR1-S		12:55			1		
UR1-T		1:00			1		
UR1-U		1:05			1		
UR1-V		1:10			1		
UR5-W		1:12			1		
UR5-X		1:20			1		
Collected by: <u>Trevor Holbert</u>				Collector's Signature:			
Relinquished by: <u>[Signature]</u>				Received by: <u>[Signature]</u>			
Relinquished by: <u>[Signature]</u>				Received by: <u>[Signature]</u>			
Method of Shipment:				Received at Lab by: <u>[Signature]</u>			
Authorized by:				Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)			
Date				Date/Time			
Date				Date/Time			
Date				Date/Time			

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RUSH ANALYSIS
CONTACT LAB IN ADVANCE

Need Results by: ___/___/___
Charges Authorized? Yes No
(if yes, initial here)
 Email Results Fax

REPORT RESULTS TO Name <u>Trever Holbert</u> Client Job. No. <u>1-14-545A</u> Company <u>Maxis Engineering</u> Dept. Mailing Address <u>501 Hickory Ridge Trail, Suite #110</u> City, State, Zip <u>WOODSTOCK, GA 30188</u> Telephone No. <u>(770) 608-8030</u> Fax No. <u>N/A</u>		BILLING/INVOICE INFORMATION PO # <u>1-14-545A</u> <input type="checkbox"/> Call for Credit Card Information <input type="checkbox"/> Direct Bill Name <u>SAAR</u> Company Address <u>cholbert@maxisengineering.com</u> City, State, Zip	
Special instructions and/or specific regulatory requirements: <u>Masonic Lodge</u> <small>* Explanation of Preservation</small>		ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)*	
Solids: Which state are these from? Waters: <input type="checkbox"/> Drinking Water <input type="checkbox"/> Groundwater <input type="checkbox"/> Wastewater		Number of Containers	
CLIENT SAMPLE IDENTIFICATION <u>EXT-Y</u>	DATE SAMPLED <u>9-17-14</u>	TIME SAMPLED <u>1:30</u>	AIR VOLUME (specify units) <u>1</u>
Matrix/Media <u>()</u>		FOR LAB USE ONLY	
Collected by: <u>Trever Pennie</u>		Collector's Signature:	
Relinquished by: <u>[Signature]</u>		Received by: <u>[Signature]</u>	
Relinquished by:		Received by:	
Method of Shipment:		Received at Lab by:	
Authorized by:		Sample Condition Upon Receipt: <input type="checkbox"/> Acceptable <input type="checkbox"/> Other (explain)	
Date		Date/Time	

(Client Signature MUST accompany Request)

LABORATORY COPY