



Environmental Resources Group

28003 Center Oaks Court • Suite 106 • Wixom, MI • 48393
Phone: 248-773-7986 • Fax: 248-924-3108

August 8, 2013

Mr. Richard Higgins
Norstar Development USA, L.P.
733 Broadway
Albany, New York 12207

**Re: Asbestos Containing Material Survey
Baker Commons
106 Packard Street, Ann Arbor, Michigan
ERG Project 1125.002**

Dear Mr. Higgins,

Environmental Resources Group, LLC (ERG) has completed the pre-renovation asbestos containing material survey (ACM Survey) for the referenced property in Ann Arbor, Michigan.

ERG contracted American Environmental Consultants (AEC) to perform the survey. The asbestos survey was performed on April 17 and 18, 2013 by an accredited Asbestos Inspector in general accordance with NESHAP Guidelines, with the focus on satisfying the regulatory ACM information requirements for building renovation activities. The pre-renovation ACM survey targeted readily accessible building materials and included the collection and analysis of bulk samples. Samples were analyzed by the polarized light microscopy (PLM) method.

The results of the pre-renovation ACM survey indicated that white sink glazing was found to contain asbestos and is deemed an ACM. No other ACMs were identified in the building.

Please refer to the attached AEC report for survey details and analytical results.

Thank you for the opportunity to provide this service to you. If you have any questions, please contact us at 248-773-7986.

Sincerely,
ENVIRONMENTAL RESOURCES GROUP, LLC

Andrew J. Foerg, CPG
Senior Project Manager

Enclosures

ASBESTOS CONTAINING MATERIALS SURVEY

FOR THE PROPERTY AT:
106 Packard Ann Arbor, MI



PREPARED FOR:
ERG

PERFORMED BY:
American Environmental Consultants, LLC
12838 Gavel
Detroit, Michigan 48227
Ph: (313) 491-2600
Fax: (313) 491-2601
www.aecmi.net

DATE:
4/17- 4/18/2013

PROJECT NUMBER:
1459-13009

Table of Contents

Table of Contents	1
Executive Summary	3
Introduction.....	3
Observations	3
Methodology.....	3
Results.....	4
Removal Options, Recommendations.....	10
Conclusion	10
Limitations	10
Appendix A- Site Maps	12
Appendix B – Certificates of Analysis	13
Appendix C – Site Photographs	14

Executive Summary

American Environmental Consultants, LLC (AEC) was contracted by ERG to perform an Asbestos Containing Materials (ACM) Survey at Baker Commons in Ann Arbor, MI. The survey was completed on April 17-18, 2013.

The following is a summary of the asbestos containing materials identified in the building which will require special handling during any renovation or demolition activities.

- *380 SF of Sink Glazing*

Introduction

Matt Rodgers (Inspector #A-34641) of AEC, gained access to the property on 4/17 and 4/18/2013. AEC was to complete an asbestos containing materials survey of accessible areas of the subject property. The subject property is scheduled for renovation. AEC visually identified and sampled suspect asbestos containing materials.

AEC was allowed access to all interior/exterior areas of the building. AEC attempted to inspect for hidden asbestos containing materials without disturbing the structure or integrity of the subject property.

Observations

AEC inspected all of the areas of the subject property. The interior finishing components were drywall, (12x12) floor tile, linoleum, door and window caulk, and ceiling tiles. AEC has attached site pictures in Appendix C depicting the site conditions.

Methodology

The survey was completed in accordance with the regulations stated in the Asbestos Hazard Emergency Response Act (AHERA) and the National Emission Standards For Hazardous Air Pollutants (NESHAP). A modified triplicate random sampling method of homogeneous area materials was utilized for the sampling procedure. The modified sampling procedure performed was 3-7 samples for surfacing materials, 3 samples for thermal systems insulation, and 3 samples for miscellaneous materials. The samples were collected in a manner to prevent release of fibers while sampling the suspect asbestos containing materials (SACM). Utensils were cleaned after each sample was collected to prevent cross contamination of samples. AEC personnel took personal protective measures. The individual samples were placed into airtight leak proof labeled containers to be transported to the laboratory.

The samples were submitted under chain of custody to EMSL Analytical, Inc. in Ann Arbor, Michigan for bulk sample analysis. The laboratory is an American Industrial Hygiene Association (AIHA) accredited laboratory. A standard turn-around time was indicated on the Chains of Custody.

The bulk samples were analyzed by EMSL in general accordance with the protocols described in the EPA 600/R-93/116 Method for bulk sample analysis. This method utilizes polarized light microscopy (PLM) for the detection of asbestos fibers. Asbestos cannot accurately be detected with this method if the materials contain less than 10% asbestos and the EPA recommends that the samples be re-analyzed by the EPA Point Count Method. All 1% or less asbestos containing samples will be deemed non-asbestos containing for the purposes of this survey.

Results

Samples were collected of 39 visible suspect asbestos containing material homogeneous sampling areas. Based on appearances and type of materials, suspect ACMs were grouped into homogeneous sampling areas (HA) and representative bulk samples were collected. For example: ceiling tile located in different functional spaces (i.e., living room and bedrooms) found to be uniform in texture, color and appeared similar in every other aspect was considered one HA. AEC attempted to collect at least three samples of the various homogeneous materials where possible and practical or as necessary.

The laboratory analyzed a total of 234 samples including layers. The laboratory can separate individual samples into homogeneous layers at their discretion. The following table displays the homogeneous area materials sampled:

Table 1
Baker Commons
4/17-4/18/2013
Sampled ACM and Laboratory Results

Sample Number	Material Description and General Location	Homogeneous Area	Quantity*	Friable(F)/Non Friable(NF) and Condition	Asbestos Present (Y/N)- % Type
1-DS-A,B, C,D,E,F, G,H, I, J	Drywall Systems Walls- White	HA-1	70,000 SF	F- Good	N
	103 Kitchen, 108 Bathroom, 201 Living Room, 210 Living Room, 302 Kitchen, 312 Kitchen, 401 Bedroom, 410 Hall Outside of Unit, 508 Hall Outside of Unit, and 514 Hall Outside of Unit				
2-DS-A,B, C,D,E,F, G,H,I,J	Drywall System Ceiling- White	HA-2	21,000 SF	F-Good	N
	108 Bathroom, 111 Bathroom, 201 Kitchen, 207 Bathroom, 305 Kitchen, 311 Bathroom, 408 Hall, 501 Living Room, 508 Hall Outside Unit, and 509 Living Room				
3-TC-A,B,C	Textured Ceilings	HA-3	150 SF	F- Good	N
	103 Living Room				
4-LN-A,B,C	12" x 12" Block Linoleum- White	HA-4	3,700 SF	NF- Good	N
	109 Kitchen, 310 Kitchen, 410 Living Room				
5-WC-A,B,C	Window Caulk	HA-5	2,500 SF	NF-Good	N
	108 Living Room, 212 Living Room, 410 Living Room				
6-BB-A,B,C	4" Baseboard- Teal	HA-6	1,600 SF	NF- Good	N
	214 Living Room, 401 Living Room, 510 Living Room				

Sample Number	Material Description and General Location	Homogeneous Area	Quantity*	Friable(F)/Non Friable(NF) and Condition	Asbestos Present (Y/N)- % Type
7-BB-A,B,C	4" Baseboard- Grey	HA-7	900 LF	NF-Good	N
	109 Living Room, 211 Living Room, 405 Entry				
8-BB-A,B,C	4" Baseboard-Tan	HA-8	1,800 LF	NF- Good	N
	110 Kitchen, 202, Kitchen, 305 Kitchen				
9-BB-A,B,C	4" Baseboard- Brown	HA-9	1,780 LF	NF-Good	N
	111 Living Room, 408 Hall, 514 Entry				
10-BB-A,B,C	4" Baseboard-Beige	HA-10	300 LF	NF-Good	N
	113 Bathroom, 312 Bathroom, 508 Hall				
11-TC-A,B,C,D,E,F,G,H	Textured Ceiling on Concrete-White	HA-11	10,000 SF	F-Good	N
	209 Living Room, 303 Outside of Unit, 401 Living Room, 211 Living Room, 412 Living Room, 308 Living Room, Trash Room 3 rd Floor, Trash Room 2 nd Floor				
12-SG-A,B,C,D,E	Sink Glazing-White	HA-12	380 SF	F-Good	Y- 12% Chrysotile
	207 Kitchen, 301 Kitchen, 305 Kitchen, 405 Kitchen, 501 Kitchen				
13-CT-A,B,C	2' x 2' Rough Texture Ceiling Tile-White	HA-13	1,500 SF	F-Good	N
	North Side 1 st Floor, Middle of 1 st Floor near Office, South Side 1 st Floor				
14-FL-A,B,C	Roof Flashing-Green	HA-14	1,000 SF	NF-Good	N
	South End of Roof, North End of Roof, Middle of Roof				

Sample Number	Material Description and General Location	Homogeneous Area	Quantity*	Friable(F)/Non Friable(NF) and Condition	Asbestos Present (Y/N)- % Type
15-RM-A,B,C	Roof Material- Tan	HA-15	1,500 SF	NF-Good	N
	South End of Roof, North End of Roof, Middle of Roof				
16-PI-A,B,C,D,E,F,G	2" Pipe Insulation- White	HA-16	1,500 LN	F-Good	N
	South/ North Stairs 3 rd ,4 th ,5 th Floors, North Stairs 2 nd Floor				
17-PF-A,B,C,D,E,F,G	2" Pipe Fitting- White	HA-17	60 LF	F-Good	N
	North/ South Stairs on the 3 rd , 4 th , and 5 th Floors, 2 nd Floor North Stairs				
18-LN-A,B,C	Linoleum Flooring-Blue	HA-18	550 LF	NF-Good	N
	1 st ,3 rd , and 5 th , Floor Trash Room				
19-PI-A,B,C	3" Pipe Insulation- White	HA-19	200 LN	F-Good	N
	North and East end of Basement				
20-PF-A,B,C	3" Pipe Fitting	HA-20	80 LN	F-Good	N
	North and East End of Basement				
21-PI-A,B,C	8" Pipe Insulation-White	HA-21	200 LF	F-Good	N
	North, South and East Ends of the Basement				
22-PF-A,B,C	8" Pipe Fitting	HA-22	80 LN	F-Good	N
	North, South, and East Ends of the Basement				
23-PI-A,B,C	12" Pipe Insulation-White	HA-23	60 LF	F-Good	N
	South End of Basement				

Sample Number	Material Description and General Location	Homogeneous Area	Quantity*	Friable(F)/Non Friable(NF) and Condition	Asbestos Present (Y/N)- % Type
24-PF-A,B,C	12" Pipe Fitting	HA-24	110 SF	F-Good	N
	South End of Basement				
25-FT-A,B,C	12" x 12" Floor Tile Orange	HA-25	10,000 SF	NF-Good	N
	1 st , 3 rd , and 5 th Floor halls				
26-TI-A,B,C	Tank Insulation-Black	HA-26	100 SF	NF-Good	N
	West End of Basement				
27-FPI-A,B,C	Foam Pipe Insulation-Black	HA-27	50 LF	NF-Good	N
	West End of Basement				
28-SO-A,B,C	Spray-On Insulation- White	HA-28	300 LF	F-Good	N
	North and East End of Basement				
29-DS-A,B,C	Drywall System-Walls	HA-29	200 SF	F-Good	N
	Middle of North and East Wall Basement				
30-PI-A,B,C	18" Domestic Water Line	HA-30	2 LF	F-Good	N
	Basement Across From Elevator				
31-CT-A,B,C	2' x 2' Rough Texture Ceiling Tiles-White	HA-31	400 SF	F-Good	N
	Lunch Room, Dining Room, and 1 st Floor Common Area				
32-WC-A,B,C	Window Caulk-Brown	HA-32	400 LN	NF-Good	N
	2 nd Floor Balcony				

Sample Number	Material Description and General Location	Homogeneous Area	Quantity*	Friable(F)/Non Friable(NF) and Condition	Asbestos Present (Y/N)- % Type
33-CT-A,B,C	2' x 2' Smooth Ceiling Tile- White	HA-33	150 SF	F-Good	N
	2 nd Floor Office				
34-CT-A,B,C	2' x 2' Pinhole Ceiling Tile-White	HA-34	200 SF	F-Good	N
	2 nd Floor Laundry Room				
35-DC-A,B,C	Door Caulk-Brown	HA-35	30 LF	NF-Good	N
	2 nd Floor Balcony				
36-WC-A,B,C	Window Caulk-Brown	HA-36	5,000 LF	NF-Good	N
	1 st Floor Exterior Windows on North, East, and South Sides				
37-FT-A,B,C	12" x 12" Floor Tile-Red	HA-37	50 SF	NF-Good	N
	Lobby and Lunch Room				
38-FT-A,B,C	12" x 12" Floor Tile- Yellow	HA-38	100 SF	NF-Good	N
	Lunch Room, Elevator, 1 st Floor Lobby				
39-FT-A,B,C	12" x 12" Floor Tile- Blue	HA-39	200 SF	NF-Good	N
	1 st Floor Lobby				

*Quantities are estimated

The laboratory Certificates of Analysis and Chain of Custodies are located in Appendix B for further review.

The friable and non-friable classification in the table describes how easily the material can be broken apart. A friable material is a material that can be crushed/ pulverized by human pressure. A non-friable material is a material that cannot be crushed/ pulverized by human pressure. The condition is a classification of the physical state that the material is in at the time of the sampling. There are three physical condition assessments that are applied to the condition of the material: good condition, damaged condition, and severely damaged condition. A material in

good condition has no visible damage or deterioration. A material in a damaged condition has damage or deterioration on less than ten percent of the surface. A material that is severely damaged has damage or deterioration on ten percent or more of the surface area.

Asbestos Containing Materials

The following table describes the ACM that was identified as a result of the sampling.

**Table 2
Baker Commons
Asbestos Containing Materials**

Asbestos Containing Material	Locations	Quantity*
Sink Glazing-White	Kitchens	380 SF

*Quantities are estimated

The white sink glazing was found to contain asbestos and is deemed an asbestos containing material.

Removal Options, Recommendations

Sink Glaze

If the sink glaze is disturbed during renovation activities then, sink glaze shall be removed in properly constructed negative pressure containment with personnel wearing proper PPE. However, if the entire component is removed with the sink glaze intact, the component may be removed, double wrapped, tagged and disposed of accordingly.

Conclusion

Asbestos containing materials were identified at the subject property and will require special handling and disposal if disturbed during renovation activities. The white sink glaze was found to contain asbestos. Proper precautions and abatement must be used if disturbed.

Limitations

The information and opinions obtained in this report are for the exclusive use of AEC's Client. No distribution to or reliance by other parties may occur without the express written permission

of AEC. AEC will not distribute this report without your written consent or as required by law or Court order. The information and opinions that are contained in this report are given in light of that assignment. The report must be reviewed and relied upon only in conjunction with the terms and conditions expressly agreed upon by the parties and as limited therein. Any third parties who have been extended the right to rely on the contents of this report by AEC (which is expressly required prior to any third party release), expressly agrees to be bound by the original terms and conditions entered into by AEC and Client.

Subject to the above terms and conditions, AEC accepts responsibility for the competent performance of its duties in executing the assignment and preparing reports in accordance with the normal standards of the profession, but disclaims any responsibility for consequential damages. Although AEC believes that the results contained herein are reliable, AEC cannot warrant or guarantee that the information provided is exhaustive or that the information provided by Client or third parties is complete or accurate.

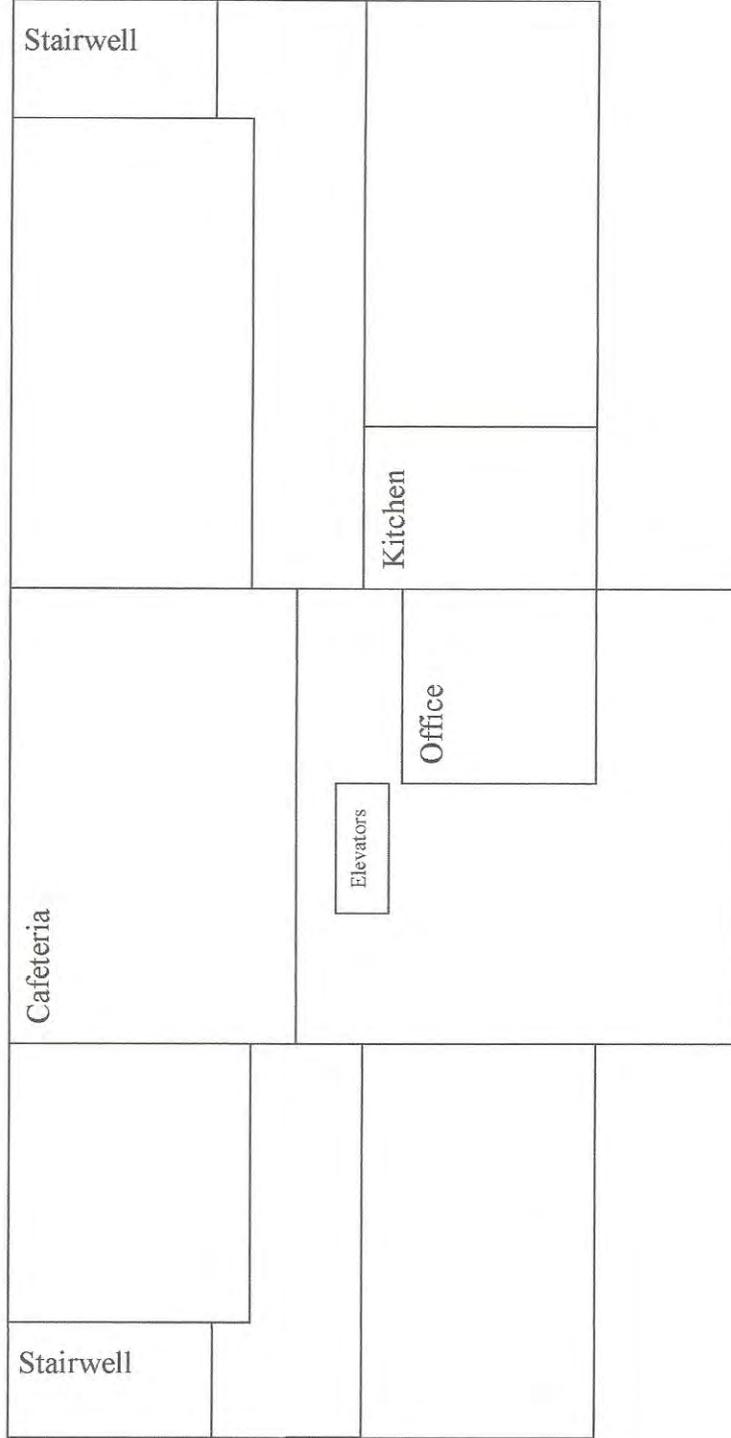
AEC appreciates the opportunity to be of service to your organization and looks forward to working with you on future projects. If you have any questions regarding this report please feel free to contact us at our office at 313-491-2600.

Sincerely,
American Environmental Consultants, LLC



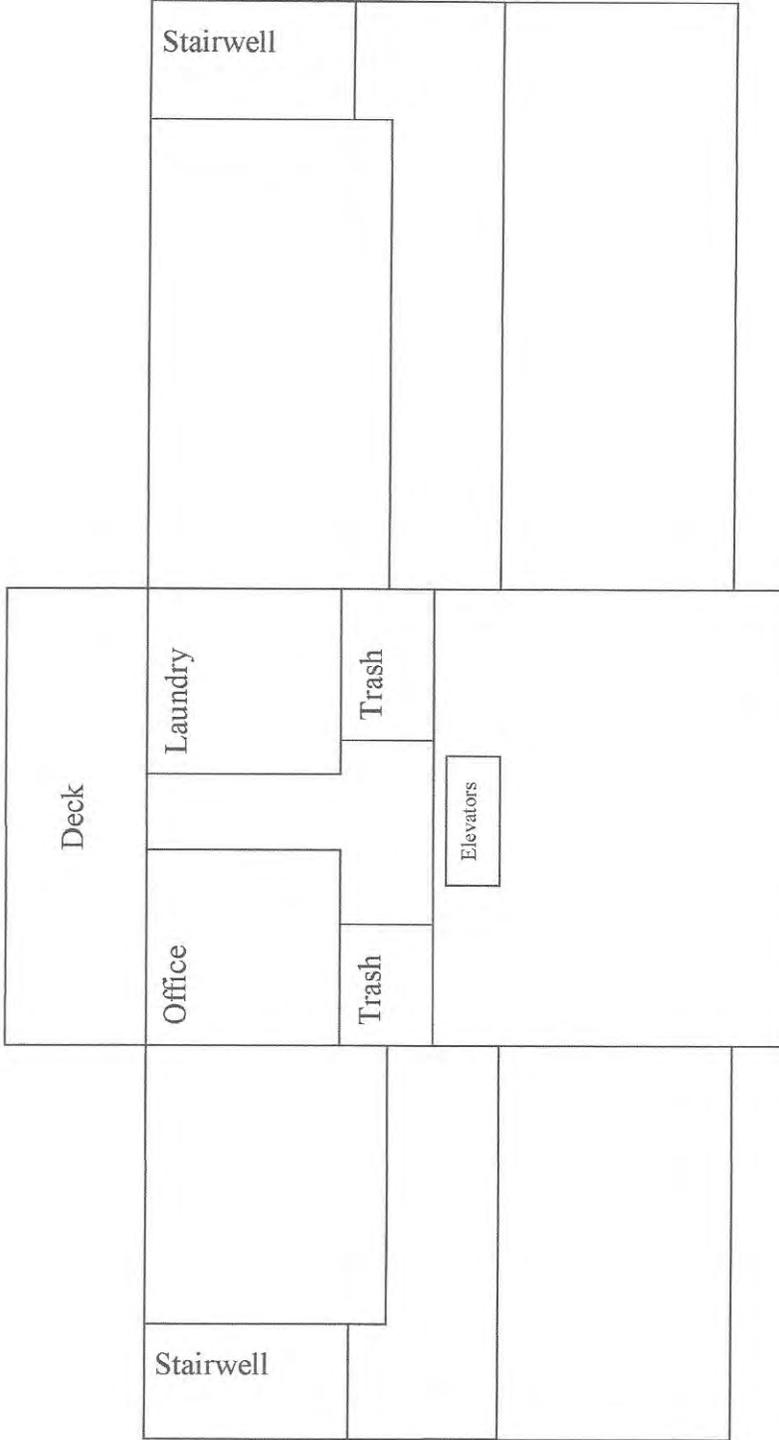
Jeffrey A. Fox
Project Manager

Appendix A Site Maps



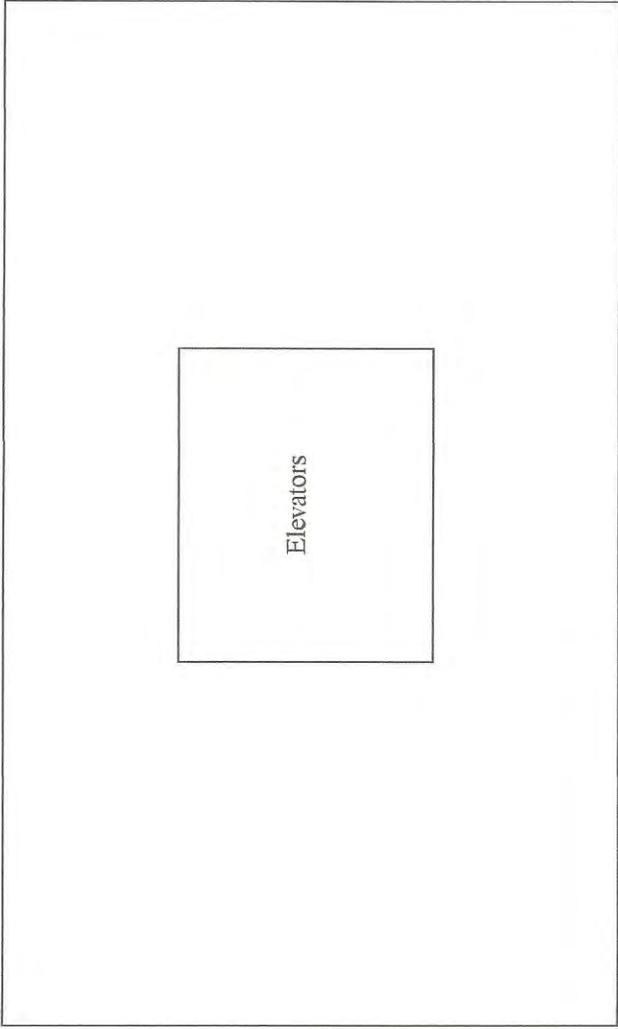
NOT TO
SCALE

<p>FIGURE #: 1</p>	 <p>AMERICAN ENVIRONMENTAL CONSULTANTS, L.L.C.</p>	<p>12838 Gavel, Detroit, MI 48227 Ph: 313-491-2600 Fax: 313-491-2601</p>	<p>PROJECT NO: 1459-13009</p>
<p>DRAWN BY: Matthew Rodgers</p>	<p>MAP DESCRIPTION: Baker commons 1st floor</p> <p>DATE: 4/17-18/13</p>		



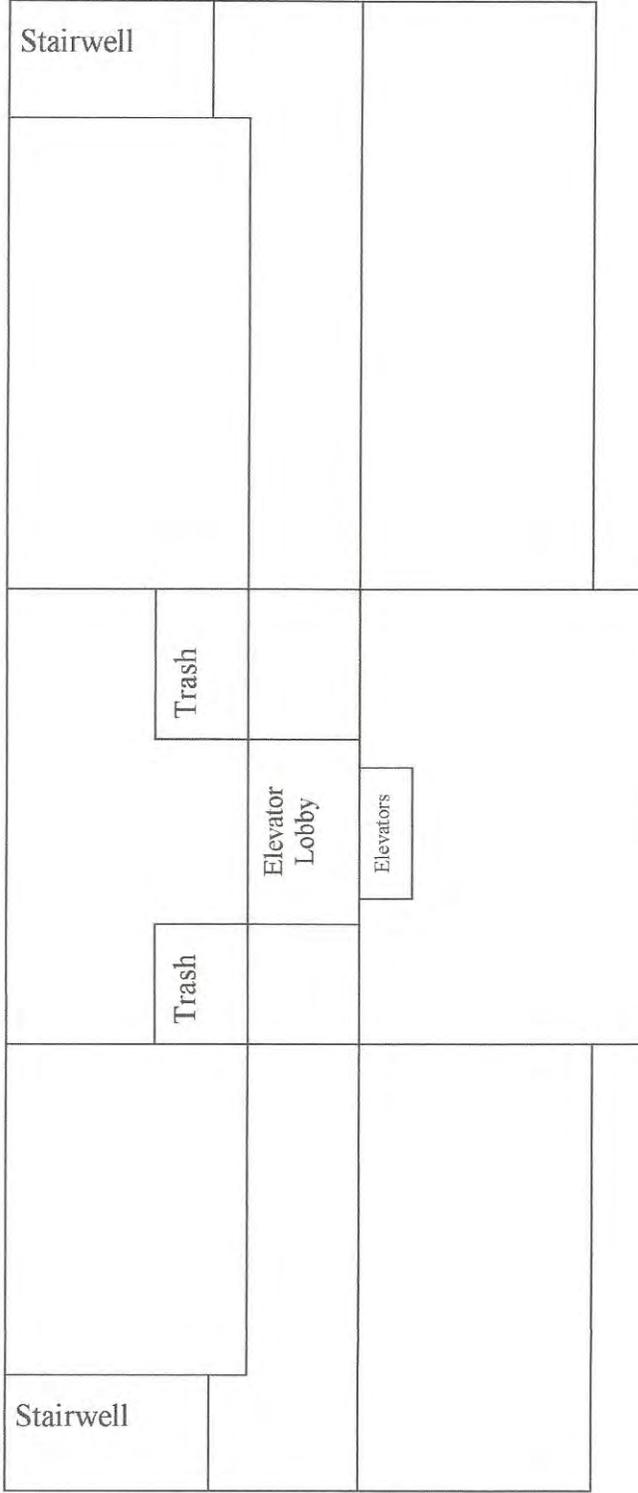
NOT TO
SCALE

 <p>AMERICAN ENVIRONMENTAL CONSULTANTS, L.L.C.</p>	<p>12838 Gavel, Detroit, MI 48227 Ph: 313-491-2600 Fax: 313-491-2601</p>	<p>PROJECT NO: 1459-13009</p>
<p>FIGURE #: 2</p>	<p>MAP DESCRIPTION: Baker commons 2nd floor</p>	<p>DATE: 4/17-18/13</p>
<p>DRAWN BY: Matthew Rodgers</p>		



NOT TO
SCALE

<p>FIGURE #: 3</p>	 <p>AMERICAN ENVIRONMENTAL CONSULTANTS, L.L.C.</p>	<p><i>12838 Gavel, Detroit, MI 48227 Ph: 313-491-2600 Fax: 313-491-2601</i></p>	<p>PROJECT NO: 1459-13009</p>
<p>DRAWN BY: Matthew Rodgers</p>	<p>MAP DESCRIPTION: Baker commons Basement</p>		<p>DATE: 4/17-18/13</p>



NOT TO
SCALE



12838 Gavel, Detroit, MI 48227
Ph: 313-491-2600 Fax: 313-491-2601

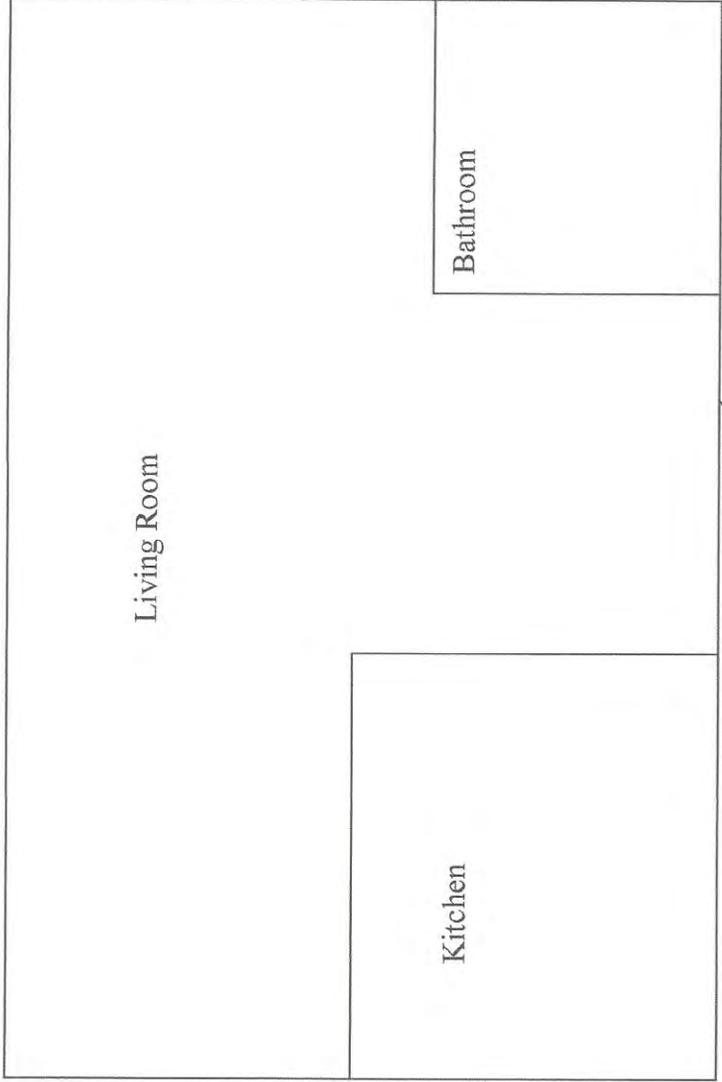
PROJECT NO: 1459-13009

FIGURE #: 4

DRAWN BY: Matthew Rodgers

MAP DESCRIPTION: Baker commons floor 3-5

DATE: 4/17-18/13



NOT TO
SCALE

FIGURE #: 5



12838 Gavel, Detroit, MI 48227
Ph: 313-491-2600 Fax: 313-491-2601

PROJECT NO: 1459-13009

DRAWN BY: Matthew Rodgers

MAP DESCRIPTION: Baker commons typical unit

DATE: 4/17-18/13

Appendix B Certificates of Analysis



EMSL Analytical, Inc.

212 South Wagner Road, Ann Arbor, MI 48103
Phone/Fax: (734) 668-6810 / (734) 668-8532
<http://www.emsl.com> annarborlab@emsl.com

EMSL Order: 081300910
CustomerID: AECL77
CustomerPO:
ProjectID:

Attn: **Jef Fox**
American Environmental Consultants
P.O. Box 32865
12838 Gavel
Detroit, MI 48227

Phone: (313) 491-2600
Fax: (313) 491-2601
Received: 04/19/13 12:00 PM
Analysis Date: 4/24/2013
Collected:

Project: Baker Commons

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1-DS-A 081300910-0001	Drywall	Gray/White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
1-DS-A 081300910-0001A	Joint Compound	Gray Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
1-DS-B 081300910-0002	Drywall	Gray Fibrous Homogeneous	12% Cellulose	88% Non-fibrous (other)	None Detected
1-DS-B 081300910-0002A	Joint Compound	Gray/White Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
1-DS-C 081300910-0003	Drywall	Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
1-DS-C 081300910-0003A	Joint Compound	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
1-DS-D 081300910-0004	Drywall	Gray Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
1-DS-D 081300910-0004A	Joint Compound	White Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected

Analyst(s)

Jamie Laginess (82)
Orlando J. Ivey II (63)

Ryan Shannon (89)

Chris Dojlidko, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI NVLAP Lab Code 101048-4

Initial report from 04/24/2013 17:01:17



EMSL Analytical, Inc.

212 South Wagner Road, Ann Arbor, MI 48103
Phone/Fax: (734) 668-6810 / (734) 668-8532
<http://www.emsl.com> annarborlab@emsl.com

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1-DS-E <i>081300910-0005</i>	Drywall	Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
1-DS-E <i>081300910-0005A</i>	Joint Compound	White Fibrous Homogeneous	3% Wollastonite	97% Non-fibrous (other)	None Detected
1-DS-F <i>081300910-0006</i>	Drywall	Gray Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
1-DS-F <i>081300910-0006A</i>	Joint Compound	Gray/White Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
1-DS-G <i>081300910-0007</i>	Drywall	Gray/Tan Fibrous Heterogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
1-DS-G <i>081300910-0007A</i>	Joint Compound	Gray Non-Fibrous Homogeneous	2% Wollastonite <1% Cellulose	98% Non-fibrous (other)	None Detected
1-DS-H <i>081300910-0008</i>	Drywall	Brown/Gray Fibrous Heterogeneous	50% Cellulose	50% Non-fibrous (other)	None Detected
1-DS-H <i>081300910-0008A</i>	Joint Compound	Gray Non-Fibrous Homogeneous	5% Cellulose <1% Wollastonite	95% Non-fibrous (other)	None Detected

Analyst(s)

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Orlando J. Ivey II (63)

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Chris Dojlidko, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI NVLAP Lab Code 101048-4

Initial report from 04/24/2013 17:01:17

**EMSL Analytical, Inc.**

212 South Wagner Road, Ann Arbor, MI 48103

Phone/Fax: (734) 668-6810 / (734) 668-8532

<http://www.emsl.com>annarborlab@emsl.com

EMSL Order: 081300910

CustomerID: AECL77

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1-DS-I 081300910-0009	Drywall	Brown/Gray Fibrous Heterogeneous	30% Cellulose <1% Glass	70% Non-fibrous (other)	None Detected
1-DS-I 081300910-0009A	Joint Compound	Gray Non-Fibrous Homogeneous	10% Wollastonite	90% Non-fibrous (other)	None Detected
1-DS-J 081300910-0010	Drywall	Brown/Gray/Tan Fibrous Heterogeneous	25% Cellulose <1% Glass	75% Non-fibrous (other)	None Detected
1-DS-J 081300910-0010A	Joint Compound	Gray Non-Fibrous Homogeneous	<1% Cellulose 5% Wollastonite	95% Non-fibrous (other)	None Detected
2-DS-A 081300910-0011	Drywall	Gray Fibrous Homogeneous	6% Cellulose	94% Non-fibrous (other)	None Detected
2-DS-A 081300910-0011A	Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
2-DS-B 081300910-0012	Drywall	Gray Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
2-DS-B 081300910-0012A	Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

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Chris Dojlidko, Laboratory Manager
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
2-DS-C <i>081300910-0013</i>	Drywall	Gray Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
2-DS-C <i>081300910-0013A</i>	Joint Compound	White Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
2-DS-D <i>081300910-0014</i>	Drywall	Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
2-DS-D <i>081300910-0014A</i>	Joint Compound	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
2-DS-E <i>081300910-0015</i>	Drywall	Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
2-DS-E <i>081300910-0015A</i>	Joint Compound	Gray/White Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
2-DS-F <i>081300910-0016</i>	Drywall	Gray Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
2-DS-F <i>081300910-0016A</i>	Joint Compound	Gray Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected

Analyst(s)

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
2-DS-G <i>081300910-0017</i>	Drywall	Brown/Gray Fibrous Heterogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
No joint compound present					
2-DS-H <i>081300910-0018</i>	Drywall	Brown/Gray Fibrous Heterogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected
2-DS-H <i>081300910-0018A</i>	Joint Compound	Tan Non-Fibrous Homogeneous	8% Cellulose 2% Wollastonite	90% Non-fibrous (other)	None Detected
2-DS-I <i>081300910-0019</i>	Drywall	Brown/Gray Fibrous Heterogeneous	15% Cellulose <1% Glass	85% Non-fibrous (other)	None Detected
2-DS-I <i>081300910-0019A</i>	Joint Compound	White Non-Fibrous Homogeneous	8% Wollastonite <1% Cellulose	92% Non-fibrous (other)	None Detected
2-DS-J <i>081300910-0020</i>	Drywall	Gray/Tan Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
2-DS-J <i>081300910-0020A</i>	Joint Compound	White Non-Fibrous Homogeneous	5% Wollastonite <1% Cellulose	95% Non-fibrous (other)	None Detected
3-TC-A <i>081300910-0021</i>	Textured Ceiling	Tan/Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
3-TC-B <i>081300910-0022</i>	Textured Ceiling	Gray/Tan/Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
3-TC-C <i>081300910-0023</i>	Textured Ceiling	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
4-LN-A <i>081300910-0024</i>	Linoleum	Gray Fibrous Heterogeneous	25% Cellulose	75% Non-fibrous (other)	None Detected
4-LN-B <i>081300910-0025</i>	Linoleum	Gray Fibrous Heterogeneous	15% Cellulose 2% Glass	83% Non-fibrous (other)	None Detected
4-LN-C <i>081300910-0026</i>	Linoleum	Gray/Tan Fibrous Heterogeneous	60% Cellulose 6% Glass	34% Non-fibrous (other)	None Detected
4-LN-C <i>081300910-0026A</i>	Adhesive	Yellow Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
5-WC-A <i>081300910-0027</i>	Caulk	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
5-WC-B <i>081300910-0028</i>	Caulk	Gray/Tan Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
5-WC-C 081300910-0029	Caulk	Gray/Beige Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
6-BB-A 081300910-0030	Cove Base	Blue Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
6-BB-B 081300910-0031	Cove Base	Blue Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
6-BB-B 081300910-0031A	Adhesive	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
6-BB-C 081300910-0032	Cove Base	Blue Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
7-BB-A 081300910-0033	Cove Base	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
7-BB-B 081300910-0034	Cove Base	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
7-BB-C 081300910-0035	Cove Base	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
8-BB-A <i>081300910-0036</i>	Cove Base	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
8-BB-A <i>081300910-0036A</i>	Adhesive	Gray/Tan Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
8-BB-B <i>081300910-0037</i>	Cove Base	Beige Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
8-BB-B <i>081300910-0037A</i>	Adhesive	Gray/Tan Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
8-BB-B <i>081300910-0037B</i>	Joint Compound	Gray Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
8-BB-C <i>081300910-0038</i>	Cove Base	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
8-BB-C <i>081300910-0038A</i>	Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
8-BB-C <i>081300910-0038B</i>	Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
9-BB-A <i>081300910-0039</i>	Cove Base	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
9-BB-A <i>081300910-0039A</i>	Adhesive	Gray/Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
9-BB-B <i>081300910-0040</i>	Cove Base	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
9-BB-B <i>081300910-0040A</i>	Adhesive	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
9-BB-C <i>081300910-0041</i>	Cove Base	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
9-BB-C <i>081300910-0041A</i>	Adhesive	Gold Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
10-BB-A <i>081300910-0042</i>	Cove Base	Beige Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
10-BB-A <i>081300910-0042A</i>	Adhesive	Gray/Cream Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
10-BB-B <i>081300910-0043</i>	Cove Base	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
10-BB-B <i>081300910-0043A</i>	Adhesive	Gray/Cream Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
10-BB-C <i>081300910-0044</i>	Baseboard	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
11-TC-A <i>081300910-0045</i>	Textured Ceiling	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (other)	None Detected
11-TC-B <i>081300910-0046</i>	Textured Ceiling	White Non-Fibrous Homogeneous	2% Wollastonite	98% Non-fibrous (other)	None Detected
11-TC-C <i>081300910-0047</i>	Textured Ceiling	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
11-TC-D <i>081300910-0048</i>	Textured Ceiling	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (other)	None Detected
11-TC-E <i>081300910-0049</i>	Textured Ceiling	White Non-Fibrous Homogeneous	<1% Glass	100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11-TC-F <i>081300910-0050</i>	Textured Ceiling	White Non-Fibrous Homogeneous	10% Fibrous (other) <1% Wollastonite	90% Non-fibrous (other)	None Detected
11-TC-G <i>081300910-0051</i>	Textured Ceiling	White Non-Fibrous Homogeneous	<1% Wollastonite 8% Fibrous (other)	92% Non-fibrous (other)	None Detected
11-TC-H <i>081300910-0052</i>	Textured Ceiling	White Non-Fibrous Homogeneous	3% Wollastonite 5% Fibrous (other)	92% Non-fibrous (other)	None Detected
12-SG-A <i>081300910-0053</i>	Sink Glazing	Beige Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
12-SG-B <i>081300910-0054</i>	Sink Glazing	Beige Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
12-SG-C <i>081300910-0055</i>	Sink Glazing	Tan/Beige Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
12-SG-D <i>081300910-0056</i>	Sink Glazing	Cream Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected
12-SG-E <i>081300910-0057</i>	Sink Glazing	Brown/Cream Fibrous Homogeneous	<1% Cellulose	88% Non-fibrous (other)	12% Chrysotile

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			% Fibrous	% Non-Fibrous	% Type
13-CT-A <i>081300910-0058</i>	Ceiling Tile	Gray/Tan/Silver Fibrous Homogeneous	50% Min. Wool	50% Non-fibrous (other)	None Detected
13-CT-B <i>081300910-0059</i>	Ceiling Tile	Gray/Tan/Silver Fibrous Homogeneous	60% Min. Wool	40% Non-fibrous (other)	None Detected
13-CT-C <i>081300910-0060</i>	Ceiling Tile	Brown/Gray/Silver Fibrous Heterogeneous	70% Min. Wool 3% Cellulose	27% Non-fibrous (other)	None Detected
14-FL-A <i>081300910-0061</i>	Roof Flashing	Green Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
14-FL-B <i>081300910-0062</i>	Roof Flashing	Green Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
14-FL-C <i>081300910-0063</i>	Roof Flashing	Green Non-Fibrous Homogeneous	8% Cellulose <1% Wollastonite	92% Non-fibrous (other)	None Detected
15-RM-A <i>081300910-0064</i>	Grey/White Material	Gray/White Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
15-RM-A <i>081300910-0064A</i>	Tan Membrane	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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 Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI NVLAP Lab Code 101048-4

Initial report from 04/24/2013 17:01:17

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 Received: 04/19/13 12:00 PM
 Analysis Date: 4/24/2013
 Collected:

Project: Baker Commons

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
15-RM-A 081300910-0064B	Tape	Gray Fibrous Homogeneous	90% Cellulose 8% Glass	2% Non-fibrous (other)	None Detected
15-RM-A 081300910-0064C	Fiberglass Paper	Gray Fibrous Homogeneous	50% Glass 25% Cellulose	25% Non-fibrous (other)	None Detected
15-RM-A 081300910-0064D	Foam	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
15-RM-B 081300910-0065	Grey/White Material	Gray/White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
15-RM-B 081300910-0065A	Tan Membrane	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
15-RM-B 081300910-0065B	Tape	Brown Fibrous Homogeneous	70% Cellulose 10% Glass	20% Non-fibrous (other)	None Detected
15-RM-B 081300910-0065C	Fiberglass Paper	Gray Fibrous Homogeneous	60% Glass 15% Cellulose	25% Non-fibrous (other)	None Detected
15-RM-B 081300910-0065D	Foam	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected

Analyst(s)

Jamie Laginess (82)
 Orlando J. Ivey II (63)

Ryan Shannon (89)

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
15-RM-C <i>081300910-0066</i>	Grey/White Material	Gray/White Non-Fibrous Heterogeneous	10% Synthetic	90% Non-fibrous (other)	None Detected
15-RM-C <i>081300910-0066A</i>	Tan Membrane	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
15-RM-C <i>081300910-0066B</i>	Tape	Brown Fibrous Homogeneous	80% Cellulose 8% Glass	12% Non-fibrous (other)	None Detected
15-RM-C <i>081300910-0066C</i>	Fiberglass Paper	Beige Fibrous Homogeneous	30% Glass 40% Cellulose	30% Non-fibrous (other)	None Detected
15-RM-C <i>081300910-0066D</i>	Foam	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
16-PI-A <i>081300910-0067</i>	Wrap	Tan/Beige Fibrous Heterogeneous	60% Cellulose 15% Glass	25% Non-fibrous (other)	None Detected
16-PI-A <i>081300910-0067A</i>	Insulation	Gray/Yellow Fibrous Homogeneous	95% Glass <1% Cellulose	5% Non-fibrous (other)	None Detected
16-PI-B <i>081300910-0068</i>	Wrap	Tan/Beige Fibrous Heterogeneous	55% Cellulose 8% Glass	37% Non-fibrous (other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
16-PI-B <i>081300910-0068A</i>	Insulation	Gray/Yellow Fibrous Homogeneous	98% Glass	2% Non-fibrous (other)	None Detected
16-PI-C <i>081300910-0069</i>	Wrap	Tan/Beige Fibrous Heterogeneous	65% Cellulose 8% Glass	27% Non-fibrous (other)	None Detected
16-PI-C <i>081300910-0069A</i>	Insulation	Yellow Fibrous Homogeneous	98% Glass	2% Non-fibrous (other)	None Detected
16-PI-D <i>081300910-0070</i>	Wrap	Tan/Beige Fibrous Heterogeneous	60% Cellulose 10% Glass	30% Non-fibrous (other)	None Detected
16-PI-D <i>081300910-0070A</i>	Insulation	Yellow Fibrous Homogeneous	98% Glass <1% Cellulose	2% Non-fibrous (other)	None Detected
16-PI-E <i>081300910-0071</i>	Wrap	Silver/Cream Fibrous Heterogeneous	40% Cellulose 3% Glass	57% Non-fibrous (other)	None Detected
16-PI-E <i>081300910-0071A</i>	Insulation	Yellow Fibrous Homogeneous	98% Glass <1% Cellulose	2% Non-fibrous (other)	None Detected
16-PI-F <i>081300910-0072</i>	Wrap	Silver/Cream Fibrous Homogeneous	40% Cellulose 20% Glass	40% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
16-PI-F <i>081300910-0072A</i>	Insulation	Yellow Fibrous Homogeneous	99% Glass	1% Non-fibrous (other)	None Detected
16-PI-G <i>081300910-0073</i>	Insulation	Yellow Fibrous Homogeneous	99% Glass	1% Non-fibrous (other)	None Detected
No wrap present					
17-PF-A <i>081300910-0074</i>	Wrap	Gray/Tan Fibrous Homogeneous	90% Cellulose <1% Glass	10% Non-fibrous (other)	None Detected
17-PF-A <i>081300910-0074A</i>	Mud	Gray Fibrous Homogeneous	10% Min. Wool <1% Cellulose	90% Non-fibrous (other)	None Detected
17-PF-B <i>081300910-0075</i>	Wrap	Gray/Tan Fibrous Heterogeneous	65% Cellulose 2% Glass	33% Non-fibrous (other)	None Detected
17-PF-B <i>081300910-0075A</i>	Mud	Gray Fibrous Homogeneous	15% Min. Wool <1% Cellulose	85% Non-fibrous (other)	None Detected
17-PF-C <i>081300910-0076</i>	Wrap	Gray Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
17-PF-C <i>081300910-0076A</i>	Mud	Gray Fibrous Homogeneous	15% Min. Wool <1% Cellulose	85% Non-fibrous (other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
17-PF-D 081300910-0077	Wrap	Gray/White Fibrous Homogeneous	65% Cellulose <1% Glass	35% Non-fibrous (other)	None Detected
17-PF-D 081300910-0077A	Mud	Gray Fibrous Homogeneous	20% Min. Wool <1% Cellulose	80% Non-fibrous (other)	None Detected
17-PF-E 081300910-0078	Wrap	Gray/White Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
17-PF-E 081300910-0078A	Mud	Gray Non-Fibrous Homogeneous	12% Min. Wool <1% Cellulose	88% Non-fibrous (other)	None Detected
17-PF-F 081300910-0079	Wrap	Non-Fibrous Heterogeneous	60% Cellulose 5% Glass	35% Non-fibrous (other)	None Detected
17-PF-F 081300910-0079A	Mud	Gray Fibrous Homogeneous	15% Min. Wool 3% Cellulose	82% Non-fibrous (other)	None Detected
17-PF-F 081300910-0079B	Insulation	Yellow Fibrous Homogeneous	80% Glass <1% Cellulose	20% Non-fibrous (other)	None Detected
17-PF-G 081300910-0080	Wrap	Gray/White Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17-PF-G 081300910-0080A	Mud	Gray Fibrous Homogeneous	10% Min. Wool <1% Cellulose	90% Non-fibrous (other)	None Detected
18-LN-A 081300910-0081	Linoleum	White/Blue Fibrous Heterogeneous	5% Glass 5% Cellulose	90% Non-fibrous (other)	None Detected
18-LN-B 081300910-0082	Linoleum	White/Blue Fibrous Heterogeneous	8% Cellulose 2% Glass	90% Non-fibrous (other)	None Detected
18-LN-C 081300910-0083	Linoleum	Gray/Blue Non-Fibrous Homogeneous	15% Cellulose 2% Glass	83% Non-fibrous (other)	None Detected
18-LN-C 081300910-0083A	Adhesive	Brown/Yellow Non-Fibrous Homogeneous	40% Cellulose <1% Glass	60% Non-fibrous (other)	None Detected
19-PI-A 081300910-0084	Wrap	White Fibrous Heterogeneous	25% Cellulose 10% Glass	65% Non-fibrous (other)	None Detected
19-PI-A 081300910-0084A	Insulation	Yellow Fibrous Homogeneous	98% Glass	2% Non-fibrous (other)	None Detected
19-PI-B 081300910-0085	Wrap	Beige Fibrous Heterogeneous	25% Cellulose 15% Glass	60% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
19-PI-B 081300910-0085A	Insulation	Yellow Fibrous Homogeneous	98% Glass	2% Non-fibrous (other)	None Detected
19-PI-C 081300910-0086	Wrap	Gray/White Fibrous Homogeneous	30% Cellulose 15% Glass	55% Non-fibrous (other)	None Detected
19-PI-C 081300910-0086A	Insulation	Yellow Fibrous Homogeneous	96% Glass	4% Non-fibrous (other)	None Detected
20-PF-A 081300910-0087	Wrap	White Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
20-PF-A 081300910-0087A	Mud	Gray Fibrous Homogeneous	10% Min. Wool <1% Cellulose	90% Non-fibrous (other)	None Detected
20-PF-B 081300910-0088	Wrap	Gray Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
20-PF-B 081300910-0088A	Mud	Gray Fibrous Homogeneous	15% Min. Wool <1% Cellulose	85% Non-fibrous (other)	None Detected
20-PF-C 081300910-0089	Wrap	Gray Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20-PF-C <i>081300910-0089A</i>	Mud	Gray Fibrous Homogeneous	8% Min. Wool 2% Cellulose	90% Non-fibrous (other)	None Detected
21-PI-A <i>081300910-0090</i>	Wrap	Beige Fibrous Heterogeneous	30% Cellulose 15% Glass	55% Non-fibrous (other)	None Detected
21-PI-A <i>081300910-0090A</i>	Insulation	Yellow Fibrous Homogeneous	95% Glass	5% Non-fibrous (other)	None Detected
21-PI-B <i>081300910-0091</i>	Wrap	Beige Fibrous Heterogeneous	60% Cellulose 10% Glass	30% Non-fibrous (other)	None Detected
21-PI-B <i>081300910-0091A</i>	Insulation	Yellow Fibrous Homogeneous	95% Glass	5% Non-fibrous (other)	None Detected
21-PI-C <i>081300910-0092</i>	Wrap	Gray/White Fibrous Homogeneous	45% Cellulose 10% Glass	45% Non-fibrous (other)	None Detected
21-PI-C <i>081300910-0092A</i>	Insulation	Yellow Fibrous Homogeneous	99% Glass	1% Non-fibrous (other)	None Detected
22-PF-A <i>081300910-0093</i>	Wrap	Beige Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
22-PF-A 081300910-0093A	Mud	Gray/Beige Fibrous Homogeneous	15% <1%	Min. Wool Cellulose	85% Non-fibrous (other) None Detected
22-PF-B 081300910-0094	Wrap	Beige Fibrous Homogeneous	95%	Cellulose	5% Non-fibrous (other) None Detected
22-PF-B 081300910-0094A	Mud	Gray/Beige Fibrous Homogeneous	15% <1%	Min. Wool Cellulose	85% Non-fibrous (other) None Detected
22-PF-C 081300910-0095	Wrap	Gray Fibrous Homogeneous	95%	Cellulose	5% Non-fibrous (other) None Detected
22-PF-C 081300910-0095A	Mud	Gray Fibrous Homogeneous	5% 15%	Cellulose Min. Wool	80% Non-fibrous (other) None Detected
23-PI-A 081300910-0096	Wrap	Tan/Silver Fibrous Heterogeneous	40% 2%	Cellulose Glass	58% Non-fibrous (other) None Detected
23-PI-A 081300910-0096A	Insulation	Yellow Fibrous Homogeneous	98%	Glass	2% Non-fibrous (other) None Detected
23-PI-B 081300910-0097	Wrap	Silver/Beige Fibrous Heterogeneous	25% 10%	Cellulose Glass	65% Non-fibrous (other) None Detected

Analyst(s)

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
23-PI-B 081300910-0097A	Insulation	Yellow Fibrous Homogeneous	98% Glass	2% Non-fibrous (other)	None Detected
23-PI-C 081300910-0098	Wrap	Gray Fibrous Homogeneous	30% Cellulose 6% Glass	64% Non-fibrous (other)	None Detected
23-PI-C 081300910-0098A	Insulation	Yellow Fibrous Homogeneous	97% Glass <1% Cellulose	3% Non-fibrous (other)	None Detected
24-PF-A 081300910-0099	Wrap	Beige Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
24-PF-A 081300910-0099A	Mud	Gray Fibrous Homogeneous	20% Min. Wool <1% Cellulose	80% Non-fibrous (other)	None Detected
24-PF-B 081300910-0100	Wrap	Beige Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (other)	None Detected
24-PF-B 081300910-0100A	Mud	Gray Fibrous Homogeneous	15% Min. Wool <1% Cellulose	85% Non-fibrous (other)	None Detected
24-PF-C 081300910-0101	Wrap	Gray Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
24-PF-C 081300910-0101A	Mud	Gray Fibrous Homogeneous	15% Min. Wool 3% Cellulose	82% Non-fibrous (other)	None Detected
25-FT-A 081300910-0102	Floor Tile	White/Orange Fibrous Heterogeneous	2% Synthetic	98% Non-fibrous (other)	None Detected
25-FT-B 081300910-0103	Floor Tile	White/Orange Fibrous Heterogeneous	2% Synthetic	98% Non-fibrous (other)	None Detected
25-FT-C 081300910-0104	Floor Tile	White/Orange Fibrous Heterogeneous	3% Synthetic	97% Non-fibrous (other)	None Detected
26-TI-A 081300910-0105	Tank Insulation	Black Non-Fibrous Homogeneous	<1% Glass	100% Non-fibrous (other)	None Detected
26-TI-B 081300910-0106	Tank Insulation	Black Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
26-TI-C 081300910-0107	Tank Insulation	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
27-FPI-A 081300910-0108	Pipe Insulation	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
27-FPI-B 081300910-0109	Pipe Insulation	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
27-FPI-C 081300910-0110	Pipe Insulation	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
28-SO-A 081300910-0111	Spray-on	Brown Fibrous Homogeneous	12% Cellulose <1% Glass	88% Non-fibrous (other)	None Detected
28-SO-B 081300910-0112	Spray-on	Brown/Tan Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
28-SO-C 081300910-0113	Spray-on	Gray Fibrous Homogeneous	6% Cellulose 2% Glass	92% Non-fibrous (other)	None Detected
29-DS-A 081300910-0114	Drywall	Gray Fibrous Homogeneous	<1% Cellulose <1% Glass	100% Non-fibrous (other)	None Detected
29-DS-A 081300910-0114A	Joint Compound	White Non-Fibrous Homogeneous	3% Wollastonite <1% Cellulose <1% Glass	97% Non-fibrous (other)	None Detected
29-DS-B 081300910-0115	Drywall	Gray Fibrous Homogeneous	<1% Cellulose <1% Glass	100% Non-fibrous (other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
29-DS-B 081300910-0115A	Joint Compound	Gray/White Non-Fibrous Homogeneous	2% Wollastonite <1% Cellulose	98% Non-fibrous (other)	None Detected
29-DS-C 081300910-0116	Drywall	Gray Fibrous Homogeneous	5% Cellulose 3% Glass	92% Non-fibrous (other)	None Detected
29-DS-C 081300910-0116A	Joint Compound	White Non-Fibrous Homogeneous	3% Wollastonite	97% Non-fibrous (other)	None Detected
30-PI-A 081300910-0117	Outer Wrap	Gray/Beige Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
30-PI-A 081300910-0117A	Inner Wrap	White/Silver Fibrous Heterogeneous	40% Cellulose 20% Glass	40% Non-fibrous (other)	None Detected
30-PI-A 081300910-0117B	Mud	Gray Fibrous Homogeneous	12% Min. Wool 2% Cellulose	86% Non-fibrous (other)	None Detected
30-PI-A 081300910-0117C	Insulation	Yellow Fibrous Homogeneous	95% Glass <1% Cellulose	5% Non-fibrous (other)	None Detected
30-PI-B 081300910-0118	Wrap	Tan/Silver Fibrous Heterogeneous	70% Cellulose	30% Non-fibrous (other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
30-PI-B 081300910-0118A	Mud	Gray Fibrous Homogeneous	6% Min. Wool 2% Cellulose	92% Non-fibrous (other)	None Detected
30-PI-B 081300910-0118B	Insulation	Yellow Fibrous Homogeneous	95% Glass 3% Cellulose	2% Non-fibrous (other)	None Detected
30-PI-C 081300910-0119	Wrap	Beige Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (other)	None Detected
30-PI-C 081300910-0119A	Mud	Gray Fibrous Homogeneous	15% Min. Wool <1% Cellulose	85% Non-fibrous (other)	None Detected
31-CT-A 081300910-0120	Ceiling Tile	Brown/Gray/White Fibrous Homogeneous	60% Cellulose 8% Min. Wool	32% Non-fibrous (other)	None Detected
31-CT-B 081300910-0121	Ceiling Tile	Brown/Gray/White Fibrous Homogeneous	60% Cellulose 15% Min. Wool	25% Non-fibrous (other)	None Detected
31-CT-C 081300910-0122	Ceiling Tile	Gray Fibrous Homogeneous	65% Cellulose 15% Min. Wool	20% Non-fibrous (other)	None Detected
32-WC-A 081300910-0123	Caulk	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
32-WC-A 081300910-0123A	Particulate Material	Gray/Tan Non-Fibrous Heterogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
32-WC-B 081300910-0124	Caulk	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
32-WC-B 081300910-0124A	Particulate Material	Tan Non-Fibrous Homogeneous	15% Cellulose <1% Glass	85% Non-fibrous (other)	None Detected
32-WC-C 081300910-0125	Caulk	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
32-WC-C 081300910-0125A	Particulate Material	Tan/Black Non-Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
33-CT-A 081300910-0126	Ceiling Tile	Brown/Gray Fibrous Heterogeneous	6% Cellulose <1% Glass	94% Non-fibrous (other)	None Detected
33-CT-B 081300910-0127	Ceiling Tile	Brown/Gray Fibrous Heterogeneous	8% Cellulose <1% Glass	92% Non-fibrous (other)	None Detected
33-CT-C 081300910-0128	Ceiling Tile	Tan/White Fibrous Homogeneous	3% Cellulose 2% Glass	95% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
34-CT-A <small>081300910-0129</small>	Ceiling Tile	Gray/White Fibrous Homogeneous	60% Cellulose 5% Min. Wool	35% Non-fibrous (other)	None Detected
34-CT-B <small>081300910-0130</small>	Ceiling Tile	Gray/White Fibrous Homogeneous	60% Cellulose 10% Min. Wool	30% Non-fibrous (other)	None Detected
34-CT-C <small>081300910-0131</small>	Ceiling Tile	Gray Fibrous Homogeneous	60% Cellulose 10% Min. Wool	30% Non-fibrous (other)	None Detected
35-DC-A <small>081300910-0132</small>	Caulk	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
35-DC-B <small>081300910-0133</small>	Caulk	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
35-DC-C <small>081300910-0134</small>	Caulk	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
36-WC-A <small>081300910-0135</small>	Caulk	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
36-WC-B <small>081300910-0136</small>	Caulk	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
36-WC-C <small>081300910-0137</small>	Caulk	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
37-FT-A <small>081300910-0138</small>	Floor Tile	White/Red Fibrous Homogeneous	4% Synthetic 2% Cellulose	94% Non-fibrous (other)	None Detected
37-FT-B <small>081300910-0139</small>	Floor Tile	White/Red Fibrous Homogeneous	2% Cellulose 5% Synthetic	93% Non-fibrous (other)	None Detected
37-FT-C <small>081300910-0140</small>	Floor Tile	White/Red Fibrous Heterogeneous	3% Synthetic 2% Cellulose	95% Non-fibrous (other)	None Detected
38-FT-A <small>081300910-0141</small>	Floor Tile	Gray/Tan/White Fibrous Homogeneous	2% Synthetic	98% Non-fibrous (other)	None Detected
38-FT-B <small>081300910-0142</small>	Floor Tile	Brown/Gray/White Fibrous Homogeneous	2% Synthetic	98% Non-fibrous (other)	None Detected
38-FT-C <small>081300910-0143</small>	Floor Tile	Gray/Tan Fibrous Heterogeneous	5% Synthetic	95% Non-fibrous (other)	None Detected
39-FT-A <small>081300910-0144</small>	Floor Tile	White/Blue Fibrous Homogeneous	2% Synthetic	98% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
39-FT-B 081300910-0145	Floor Tile	White/Blue Fibrous Homogeneous	2% Synthetic	98% Non-fibrous (other)	None Detected
39-FT-C 081300910-0146	Floor Tile	Gray/Blue Fibrous Heterogeneous	5% Synthetic 2% Cellulose	93% Non-fibrous (other)	None Detected

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Chris Dojlidko, 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. Reporting limit is 1%.

Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI NVLAP Lab Code 101048-4

Initial report from 04/24/2013 17:01:17

081300910

CHAIN OF CUSTODY Asbestos
Electron Microscopy Service Laboratories, Inc.



EMSL Analytical, Inc. 212 S. Wagner, Ann Arbor, MI 48103 (734) 668-6810
Fax: (734) 668-8532

Company Name: American Environmental Consultants, L.L.C.	EMSL Bill To: American Environmental Consultants, L.L.C.
Address: P.O. Box 32865	Address: P.O. Box 32865
City/State/Zip: Detroit, MI 48232	City/State: Detroit, MI 48232
Phone: 313 491 2600	Bill Attention To:
Fax: 313 491 2601	Phone:
Fax or Phone Results To: JEF FOX	PO#:
Emergency Phone: 313 363 0578	Project Name/Number:

Jfox@aecmi.net

TYPE OF ANALYSIS (Please Circle One)

TEM				PLM	PCM	SEM
Air	Bulk	Dust/Wipe	Water	Bulk	Air	
HERA Level II NIOSH 7402	Qualitative Chatfield	Qualitative Quantitative	Drinking Waste	<u>EPA 600</u> Point Count	NIOSH 7400	

*Please call in advance for RUSH sample analysis or large quantities.

TURNAROUND TIME (Please Circle One)

3 Hour 6 Hour 24 Hour 48 Hour 3 Days 5 Days

Sample ID	Location	Volume/Area (if applicable)
1-DS-A	103 Kitchen - Dry wall walls.	
B	108 Bathroom	
C	201 Living Room	
D	210 Living Room	
E	302 Kitchen	
F	312 Kitchen	
G	401 Bedroom	
H	410 Hall/outside unit	
I	508 Hall/outside unit	
J	514 Hall/outside unit	
2-DS-A	108 Bathroom - Dry wall ceilings.	
B	111 Bathroom	
C	201 Kitchen	

Comments:

Total Number of Samples: 146

Relinquished by: AEC - Matt Ridge

Date: 4-17-13 Time:

Received by: RS [Signature]

Date: 4/19/13 Time: 11:35

081300910



Environmental Microbiology Chain of Custody

EMSL Order Number (Lab Use Only):

Indianapolis, IN
 2001 East 52nd Street
 Indianapolis, IN 46205
 PHONE: (317) 803-2997
 FAX: (317) 803-3047

[Redacted Order Number]

Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
D	207 - Bathroom				
E	305 - Kitchen				
F	311 - Bath				
G	408 - Hall/outside unit				
H	501 - Living Room				
I	508 - Hall/outside unit				
J	509 - Living Room				
3-TC-A	Textured ceiling ^{white} 103 Living room				
B	103 Living Room				
C	103 Living Room				
4-LN-A	18"x12" White Linoleum 109 Kitchen				
B	310 Kitchen				
C	501 Kitchen				
5-WL-A	Window caulk - 108 Living Room				
B	212 Living Room				
C	410 Living Room				
6-BB-A	4" Teal baseboard - 214 Living Room				
B	401 Living Room				
C	510 510 - Living Room				
7-BB-A	4" Gray baseboard - 109 Living Room				
B	211 Living Room				
C	405 Entry				
8-BB-A	4" Tan baseboard - 110 Kitchen				
B	202 Kitchen				

Comments/Special Instructions:

RS WI 4/17/13 11:35

081300910



Environmental Microbiology Chain of Custody

EMSL Order Number (Lab Use Only):

Indianapolis, IN
 2001 East 52nd Street
 Indianapolis, IN 46205
 PHONE: (317) 803-2997
 FAX: (317) 803-3047

Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
C	305 - Kitchen.				
9-BB-A	4" Brown baseboard - 111 Living Room				
B	408 Hall.				
C	514 Entry				
10-BB-A	4" Beige baseboard - 113 Bath Room				
B	312 Bath Room				
C	508 Hall				
11-TL-A	TEXTURED Ceiling on Concrete - 209 Living Room				
B	3rd Floor Hall outside 303				
C	401 Living Room				
D	211 - Living Room				
E	412 - Living Room				
F	308 - Living Room				
G	TRASH Room - 3rd Floor				
H	TRASH Room 2nd Floor				
12-SG-A	Sink Glazing 207 Kitchen				
B	301 - Kitchen				
C	305 - Kitchen.				
D	405 Kitchen				
E	501 Kitchen.				
13-CT-A	Rough texture Grey- 2'x2' ceiling tiles - North side 1st Floor				
B	middle of 1st Floor NEAR office. 1st Floor				
C	South end NEAR 1st Floor				

Comments/Special Instructions:

89 VI 4/19/03 11:35

081300910



Environmental Microbiology Chain of Custody

Indianapolis, IN
 2001 East 52nd Street
 Indianapolis, IN 46205
 PHONE: (317) 803-2997
 FAX: (317) 803-3047

EMSL Order Number (Lab Use Only):

Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
14-FL-A	Roof Flashing - South End Roof				
B	North end roof				
C	middle of roof.				
15-Rm-A	Roof material - South end Roof				
B	North end roof				
C	middle of roof.				
16-PI-A	2" pipe insulation - South Stairs	5 th Floor			
B	North Stairs	5 th Floor			
C	North Stairs	4 th Floor			
D	South Stairs	4 th Floor			
E	South Stairs	3 rd Floor			
F	North Stairs	3 rd Floor			
G	North Stairs	2 nd Floor			
17-PF-A	2" pipe fitting - South Stairs	5 th Floor			
B	North Stairs	5 th Floor			
C	North Stairs	4 th Floor			
D	South Stairs	4 th Floor			
E	South Stairs	3 rd Floor			
F	North Stairs	3 rd Floor			
G	North Stairs	2 nd Floor			
18-LN-A	Blue linoleum flooring - 1 st Floor trash room				
B	3 rd Floor trash room				
C	5 th Floor trash room				

Comments/Special Instructions:

KS W 4/19/13 11:35

081300910



Environmental Microbiology Chain of Custody

EMSL Order Number (Lab Use Only):

Indianapolis, IN
 2001 East 52nd Street
 Indianapolis, IN 46205
 PHONE: (317) 803-2997
 FAX: (317) 803-3047

Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
19-PI-A	Basement 3" Pipe Insulation -	North End			
B	EAST - END				
C	EAST END				
20-PF-A	Basement 3" pipe fitting -	North end			
B	EAST END				
C	EAST END				
21-PI-A	8" pipe Insulation -	South end			
B	EAST END				
C	NORTH END				
22-PF-A	8" pipe fitting -	South end			
B	EAST END				
C	NORTH END				
23-PI-A	12" pipe Insulation -	South end			
B	South end				
C	South end				
24-PF-A	12" pipe fitting -	South end			
B	South end				
C	South end				
25-ft-A	12"x12" Floor tile (orange)	5th Floor hall			
B	3rd Floor at Hall				
C	12th Floor Hall				
26-TI-A	Black Tank Insulation -	WEST END BASEMENT			
B	WEST END BASEMENT				
C	WEST END BASEMENT				

Comments/Special Instructions:

KD VS 4/19/13 11:35

081300910



Environmental Microbiology Chain of Custody

EMSL Order Number (Lab Use Only):

Indianapolis, IN
2001 East 52nd Street
Indianapolis, IN 46205
PHONE: (317) 803-2997
FAX: (317) 803-3047

Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
27-FPI-A	Black Foam Pipe Insulation - WEST END			basement	
B	WEST END BASEMENT				
C	WEST END BASEMENT				
28-SO-A	Spray-on Insulation - South end			basement	
B	NORTH END BASEMENT				
C	EAST END BASEMENT				
29-DS-A	Dry wall Systems - basement - middle			EAST WALL	
B	middle north wall				
C	middle north wall				
30-PI-A	18" DOMESTIC WATER TANK			Basement - EAST END	
B	EAST END				
C	EAST END				
31-LT-A	2'x2' Rough textured Ceiling tile - Lunch			Lunch Room	
B	Room Room				
C	1st Floor lobby				
32-WC-A	Brown window Caulk - 2nd Floor balcony				
B	2nd Floor balcony				
C	2nd Floor balcony				
33-LT-A	2'x2' Ceiling tile Smooth texture - 2nd Floor office				
B	2nd Floor office				
C	2nd Floor office.				
34-LT-A	2'x2' Pinhole Ceiling tile - 2nd Floor laundry room				
B	2nd Floor laundry room				
C	2nd Floor laundry room				

Comments/Special Instructions:

KJ VI 4/19/13 11:33

081300910



Environmental Microbiology Chain of Custody

Indianapolis, IN
2001 East 52nd Street
Indianapolis, IN 46205
PHONE: (317) 803-2997
FAX: (317) 803-3047

EMSL Order Number (Lab Use Only):

[Redacted Order Number]

Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
35-DC-A	Brown Door Caulk	- 2 nd Floor balcony			
B	2 nd Floor balcony				
C	2 nd Floor balcony				
36-WC-A	Brown Exterior window caulk	- North side unit			
B	East side unit				
C	South side unit				
37-Ft-A	Red 12"x12" Floor tile	1 st Floor lobby			
B	1 st Floor lobby				
C	1 st Floor lunch room				
38-Ft-A	Yellow 12"x12" Floor tile	- Elevator			
B	1 st Floor lobby				
C	lunch room				
39-Ft-A	Blue 12"x12" Floor tile	- 1 st Floor lobby			
B	1 st Floor lobby				
C	1 st Floor lobby				

Comments/Special Instructions:

→ 4/14/13 11:30

081300910

CHAIN OF CUSTODY Asbestos

Electron Microscopy Service Laboratories, Inc.



EMSL Analytical, Inc. 212 S. Wagner, Ann Arbor, MI 48103 (734) 668-6810
Fax: (734) 668-8532

Company Name: American Environmental Consultants, L.L.C.	EMSL Bill To: American Environmental Consultants, L.L.C.
Address: P.O. Box 32865 Detroit, MI 48232	Address: P.O. Box 32865 Detroit, MI 48232
City/State/Zip: Detroit, MI 48232	City/State: Detroit, MI 48232
Phone: 313 491 2600	Bill Attention To:
Fax: 313 491 2601	Phone:
Fax or Phone Results To: JEF FOX	PO#:
Emergency Phone: 313 363 0578	Project Name/Number:

jfox@aecmi.net

TYPE OF ANALYSIS (Please Circle One)

TEM				PLM	PCM	SEM
Air	Bulk	Dust/Wipe	Water	Bulk	Air	
AHERA Level II NIOSH 7402	Qualitative Chatfield	Qualitative Quantitative	Drinking Waste	EPA 600 Point Count	NIOSH 7400	

*Please call in advance for RUSH sample analysis or large quantities.

TURNAROUND TIME (Please Circle One)

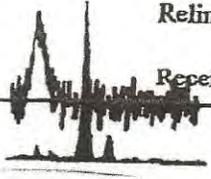
3 Hour 6 Hour 24 Hour 48 Hour 3 Days **5 Days**

Sample ID	Location	Volume/Area (if applicable)
1-DS-A	103 Kitchen - Drywall walls.	
B	108 Bathroom	
C	201 Living Room	
D	210 Living Room	
E	302 Kitchen	
F	312 Kitchen	
G	401 Bedroom	
H	410 Hall/outside unit	
I	508 Hall/outside unit	
J	514 Hall/outside unit	
2-DS-A	108 Bathroom - Drywall ceilings.	
B	111 Bathroom	
C	201 Kitchen	

Comments: _____ Total Number of Samples: 146

Relinquished by: AEC - Matt Radgowski Date: 4/17/13 Time: _____

Received by: RS [Signature] Date: 4/19/13 Time: 11:35



081300910



Environmental Microbiology Chain of Custody

EMSL Order Number (Lab Use Only):

Indianapolis, IN
 2001 East 52nd Street
 Indianapolis, IN 46205
 PHONE: (317) 803-2997
 FAX: (317) 803-3047

Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
D	207 - Bathroom				
E	305 - Kitchen				
F	311 - Bath				
G	408 - Hall/outside unit				
H	501 - Living Room				
I	508 - Hall/outside unit				
J	509 - Living Room				
3-TC-A	Textured ceiling ^{white} 103 Living room				
B	103 Living Room				
C	103 Living Room				
4-LN-A	12"x12" White Linoleum 109 Kitchen				
B	310 Kitchen				
C	501 Kitchen				
5-WC-A	Window caulk - 108 Living Room				
B	212 Living Room				
C	410 Living Room				
6-BB-A	4" TEAL BASEBOARD - 214 Living Room				
B	401 Living Room				
C	510 510 - Living Room				
7-BB-A	4" Gray baseboard - 109 Living Room				
B	211 Living Room				
C	405 Entry				
8-BB-A	4" TAN BASEBOARD - 110 Kitchen				
B	202 Kitchen				

Comments/Special Instructions:

RS WJ 4/17/03 11:35

081300910



Environmental Microbiology Chain of Custody

EMSL Order Number (Lab Use Only):

Indianapolis, IN
2001 East 52nd Street
Indianapolis, IN 46205
PHONE: (317) 803-2997
FAX: (317) 803-3047

Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
C	305 - Kitchen.				
9-BB-A	4" Brown baseboard - 111	Living Room			
B	408 Hall.				
C	514 Entry				
10-BB-A	4" Beige baseboard - 113	Bath Room			
B	312 BATH ROOM				
C	508 Hall				
11-TL-A	TEXTURED Ceiling on Concrete - 209	Living Room			
B	3 rd Floor Hall outside 303				
C	401 Living Room				
D	211 - Living Room				
E	412 - Living Room				
F	308 - Living Room				
G	TRASH ROOM - 3 rd FLOOR				
H	TRASH ROOM 2 nd FLOOR				
12-SB-A	Sink Glazing 207	Kitchen			
B	301 - Kitchen				
C	305 - Kitchen.				
D	405 Kitchen				
E	501 Kitchen.				
13-CT-A	ROUGH TEXTURE Grey- 2'x2' Ceiling tiles - North side	1 st Floor			
B	Middle of 1 st Floor NEAR OFFICE.	1 st Floor			
C	SOUTH END NEAR 1 st Floor				

Comments/Special Instructions:

KS VI 4/19/13 11:35

081300910



Environmental Microbiology Chain of Custody

EMSL Order Number (Lab Use Only):

Indianapolis, IN
 2001 East 52nd Street
 Indianapolis, IN 46205
 PHONE: (317) 803-2997
 FAX: (317) 803-3047

Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
14-FL-A	Roof Flashing - South End Roof				
B	North end roof				
C	middle of Roof.				
15-RM-A	Roof material - South end Roof				
B	North end roof				
C	middle of Roof.				
16-PI-A	2" pipe insulation - South Stairs		5 th Floor		
B	North Stairs	5 th Floor			
C	North Stairs	4 th Floor			
D	South Stairs	4 th Floor			
E	South Stairs	3 rd Floor			
F	North Stairs	3 rd Floor			
G	North Stairs	2 nd Floor			
17-PF-A	2" pipe fitting - South Stairs		5 th Floor		
B	North Stairs	5 th Floor			
C	North Stairs	4 th Floor			
D	South Stairs	4 th Floor			
E	South Stairs	3 rd Floor			
F	North Stairs	3 rd Floor			
G	North Stairs	2 nd Floor			
18-LN-A	Blue Linoleum Flooring - 1 st Floor trash room				
B	3 rd Floor trash room				
C	5 th Floor trash room				

Comments/Special Instructions:

KS W 4/19/13 11:35

081300910



Environmental Microbiology Chain of Custody

Indianapolis, IN
 2001 East 52nd Street
 Indianapolis, IN 46205
 PHONE: (317) 803-2997
 FAX: (317) 803-3047

EMSL Order Number (Lab Use Only):

Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
19-PI-A	Basement 3" Pipe Insulation -	North end			
B	EAST - END				
C	EAST END				
20-PF-A	Basement 3" pipe fitting -	North end			
B	EAST END				
C	EAST END				
21-PI-A	8" pipe Insulation -	South end			
B	EAST END				
C	NORTH END				
22-PF-A	8" pipe fitting -	South end			
B	EAST END				
C	NORTH END				
23-PI-A	12" pipe Insulation -	South end			
B	South end				
C	South end				
24-PF-A	12" pipe fitting -	South end			
B	South end				
C	South end				
25-ft-A	12"x12" Floor tile (orange)	5th Floor hall			
B	3rd Floor Hall				
C	12th Floor Hall				
26-TI-A	Black Tank Insulation -	WEST END	Basement		
B	WEST END BASEMENT				
C	WEST END BASEMENT				

Comments/Special Instructions:

KJ vs 4/19/13 11:35

081300910



Environmental Microbiology Chain of Custody

EMSL Order Number (Lab Use Only):

Indianapolis, IN
 2001 East 52nd Street
 Indianapolis, IN 46205
 PHONE: (317) 803-2997
 FAX: (317) 803-3047

Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
27-FPI-A	Black Foam Pipe Insulation - WEST END basement				
B	WEST END BASEMENT				
C	WEST END BASEMENT				
28-SD-A	Spray-on Insulation - South end basement				
B	North end basement				
C	EAST END BASEMENT				
29-DS-A	Dry wall Systems - basement - middle north wall				
B	middle north wall				
C	middle north wall				
30-PI-A	18" DOMESTIC water tank Basement - EAST END				
B	EAST END				
C	EAST END				
31-LT-A	2'x2' Rough textured Ceiling tile - Lunch Room				
B	Lunch Room				
C	1st Floor lobby				
32-WC-A	Brown window Caulk - 2nd Floor balcony				
B	2nd Floor balcony				
C	2nd Floor balcony				
33-LT-A	2'x2' Ceiling tile Smooth texture - 2nd Floor office				
B	2nd Floor office				
C	2nd Floor office				
34-LT-A	2'x2' Pinhole Ceiling tile - 2nd Floor laundry room				
B	2nd Floor laundry room				
C	2nd Floor laundry room				

Comments/Special Instructions:

KJ VE 4/19/13 11:33

081300910



Environmental Microbiology Chain of Custody

Indianapolis, IN
 2001 East 52nd Street
 Indianapolis, IN 46205
 PHONE: (317) 803-2997
 FAX: (317) 803-3047

EMSL Order Number (Lab Use Only):

[Redacted Order Number]

Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
35-DC-A	Brown Door Caulk	- 2 nd Floor balcony			
B	2 nd Floor balcony				
C	2 nd Floor balcony				
36-WC-A	Brown Exterior window CAULK	- North side unit			
B	East side unit				
C	South side unit				
37-Ft-A	Red 12"x12" Floor tile	1 st Floor lobby			
B	1 st Floor lobby				
C	1 st Floor lunch room				
38-Ft-A	Yellow 12"x12" Floor tile	- Elevator			
B	1 st Floor lobby				
C	lunch room				
39-Ft-A	Blue 12"x12" Floor tile	- 1 st Floor lobby			
B	1 st Floor lobby				
C	1 st Floor lobby				

Comments/Special Instructions:

→ 4/14/13 11:35

Appendix C Site Photographs



Site Name:	Baker Commons	Project Number:	1459-13009
Street Address:	106 Packard	City, State, Zip:	Ann Arbor, MI 48108

Photo Number:
1

Photographer:
Jef Fox

Date:
April 17- April 18, 2013

Description:

Sink Glaze



Photo Number:
2

Photographer:
Jef Fox

Date:
April 17- April 18, 2013

Description:

Pinhole Ceiling Tile





**AMERICAN
ENVIRONMENTAL
CONSULTANTS, L.L.C.**

PHOTOGRAPHIC LOG

12838 Gavel, Detroit, MI 48227 Phone: 313-491-2600 Fax: 313-491-2601

Site Name:	Baker Commons	Project Number:	1459-13009
Street Address:	106 Packard	City, State, Zip:	Ann Arbor, MI 48108

Photo Number:
3

Photographer:
Jef Fox

Date:
April 17- April 18, 2013

Description:
Window Caulk

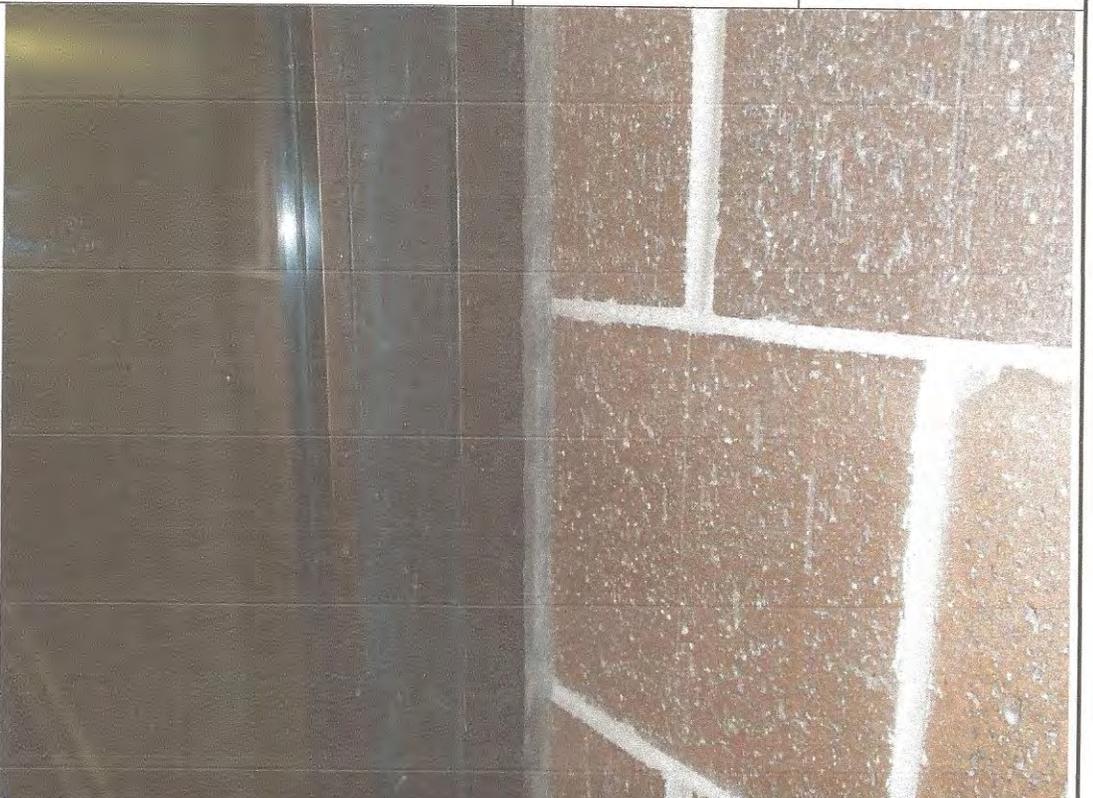


Photo Number:
4

Photographer:
Jef Fox

Date:
April 17- April 18, 2013

Description:
Tank Insulation





**AMERICAN
ENVIRONMENTAL
CONSULTANTS, L.L.C.**

PHOTOGRAPHIC LOG

12838 Gavel, Detroit, MI 48227 Phone: 313-491-2600 Fax: 313-491-2601

Site Name:	Baker Commons	Project Number:	1459-13009
Street Address:	106 Packard	City, State, Zip:	Ann Arbor, MI 48108

Photo Number: 5
Photographer: Jef Fox
Date: April 17- April 18, 2013
Description: Floor Tile



Photo Number: 6
Photographer: Jef Fox
Date: April 17- April 18, 2013
Description: Pipe Fitting

