

August 8, 2013

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

Re: Asbestos Containing Material Survey

Green Baxter

1701-1747 Green Road , Ann Arbor, Michigan

ERG Project 1127.002

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 May 13 and 15, 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) and/or Point Count methods.

The results of the pre-renovation ACM survey indicated that two materials (joint compound and heat shield) were found to contain asbestos and are deemed ACMs. In addition, two materials (lower layers of floor tile and roofing material) were not sampled and are therefore assumed to be ACMs.

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:

Green Baxter Court 1701-1747 Green Rd. Ann Arbor, Michigan 48105



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:

5/13 & 5/15/ 2013

PROJECT NUMBER:

1459-13005



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ACM Survey 1701-1747 Green Ann Arbor, MI 5/13 & 5/15/13

Project Number: 1459-13005

Executive Summary

American Environmental Consultants, LLC (AEC) was contracted by ERG to perform an Asbestos Containing Materials (ACM) Survey at Green Baxter Court in Ann Arbor, MI. The survey was completed on May 13 & 15, 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.

- 100,000 SF of Joint Compound-Throughout
- 160 SF of Heat Shield-Asbestos Board-Basements
- Suspected ACM in Multi Layer Flooring
- Suspected ACM in Roof Materials

Introduction

Jef Fox (Inspector #26737) of AEC, gained access to the property on 5/13 & 5/15, 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. The roof was not accessed during the survey.

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 tile. The subject property was built of wood frame construction. 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

ACM Survey 1701-1747 Green Ann Arbor, MI 5/13 & 5/15/13

Project Number: 1459-13005

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 20 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 73 samples including layers. The laboratory can separate individual samples into homogeneous layers at their discretion. AAHC requested that joint compounds be point counted. The following table displays the homogeneous area materials sampled:



Table 1 Green Baxter Court 5/13 & 5/15/2013

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- 1701,0707, 1711, 1715, 1719, 1723, 1727, 1729	Drywall Systems	HA-1	100,000 SF	F- Good	Joint Compound Unit 1701 Y- 1.25% Chrysotile	
1727, 1729, 1735, 1737, 1745	1701, 1703, 1705, 1707, 1709, 1711, 1713, 1715, 1717, 1719, 1721, 1723, 1725, 1727, 1729, 1731, 1733, 1735, 1737, 1739, 1741, 1743, 1745, 1747				Joint Compound Unit 1727 Y- 1.25% Chrysotile	
2-DC-1701,	Door Caulk and Exterior Window Caulk 1701, 1703, 1705, 1707, 1709,	HA-2	300 LF	NF-Good	N	
1731, 1735	1711, 1713, 1715, 1717, 1719, 1721, 1723, 1725, 1727, 1729, 1731, 1733, 1735, 1737, 1739, 1741, 1743, 1745, 1747				IN	
3-FT-1701, 1719, 1731	12" x 12" Floor Tile-Tan Splotch 1701, 1703, 1705, 1707, 1711, 1719, 1731	HA-3	2,700 SF	NF- Good	N	
4-SC-1701, 1719, 1731	Sink Coating- Smooth 1701, 1713, 1715, 1719, 1721, 1723, 1731, 1739, 1741, 147,	HA-4	100SF	NF- Good	N	

5



Sample Number	Material Description and General Location	Homogeneous Area	Quantity*	Friable(F)/Non Friable(NF) and Condition	Asbestos Present (Y/N)- % Type	
5-FT-1701,	12" x 12" Floor Tile- Blue Splotch	HA-5	9,000 SF	NF-Good	N	
1705, 1729	1701, 1703, 1705, 1707, 1709, 1711, 1713, 1715, 1721, 1723, 1725, 1727, 1729, 1731, 1735, 1733, 1717, 1737, 1739, 1741, 1743, 1745, 1741					
6 GG 1700	Sink Coating- Rough					
6-SC-1703, 1727, 1735	1703, 1707, 1709, 1711, 1705, 1725, 1727, 1729, 1735, 1733, 1717, 1737, 1743, 1745,	HA-6	140 LF	NF- Good	N	
7-TC-1703	Textured Coating	HA-7	1,000 SF	F-Good	NI	
7-10-1703	1703	nA-/	1,000 SF	F-Good	N	
8-FT-1707	12" x 12" Floor Tile- Rock Pattern	HA-8	150 LF	NF- Good	N	
	1707	1 1 1 1 1 1		111 0000	11	
9-FT-1707	12" x 12" Floor Tile-Wood Block Pattern	HA-9	200 SF	NF-Good	N	
	1707		200 21	111 0004	19	
10-FT-1707,	12" x 12" Floor Tile White with Blue/ Red Splotch	HA-10	900 LF	NF- Good	N	
1745	1707, 1745			111 0000	1,	
11-LIN-	Linoleum- 12" x 12" Stone Pattern Texture	HA-11	100 SF	NF-Good	N	
1707	1707			3000	2.3	
12-BB-1707	4" Baseboard- Brown	HA-12	20 LN	NF- Good	N	
	1707, 1705	47.14		7.00	2.1	



Sample Number	Material Description and General Location	Homogeneous Area	Quantity*	Friable(F)/Non Friable(NF) and Condition	Asbestos Present (Y/N)- % Type	
12 ET 100	12" x 12" Floor Tile- White with Black Splotch			1 =		
	1709, 1711, 1713, 1715, 1721, 1723, 1725, 1727, 1729, 1731, 1735, 1733, 1717, 1737, 1739, 1745, 1741, 1743, 1747,	HA-13	1,020 SF	NF-Good	N	
14-FT-1711	12" x 12" Floor Tile- Stone Pattern	HA-14	100 SF	NF- Good	N	
	1711					
15-FT-1705	12" x 12" Floor Tile- White Stone Pattern	HA-15	150 SF	NF-Good	N	
	Exterior					
16-FT-1713	12" x 12" Floor Tile-Wood Block Pattern	HA-16	150 SF	NF- Good	N	
	1713					
17-HS-1713,	Heat Shield-Asbestos Board				V 250/	
1721, 1735	1713, 1701, 1705, 1703, 1715, 1709, 1723, 1721, 1725, 1727, 1735, 1733, 1737, 1739, 1745, 1747	HA-17	160 SF	NF-Good	Y-35% Chrysotile	
18-BB-1737	4" Baseboard- Grey	HA-18	100 SF	NF-Good	N	
	1737					
19-CT-1737	2' x 4' Ceiling Tile- Pin Hole Gash	HA-18	200 SF	F-Good	N	
	1737		01	1 3000	1.1	
20-SID-	Siding	HA-20	1,000 SF	NF-Good	N	
1737	Exterior		-,	3000	IN	

^{*}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
Green Baxter Court
Asbestos Containing Materials

Asbestos Containing Materials						
Asbestos Containing Material	Locations	Quantity*				
Joint Compound	1701, 1703, 1705, 1707, 1709, 1711, 1713, 1715, 1717, 1719, 1721, 1723, 1725, 1727, 1729, 1731, 1733, 1735, 1737, 1739, 1741, 1743, 1745, 1747	100,000 SF				
Heat Shield- Asbestos Board	1713, 1701, 1705, 1703, 1715, 1709, 1723, 1721, 1725, 1727, 1735, 1733, 1737, 1739, 1745, 1747,	160 SF				
Roof Materials	Exterior	20,000 SF				
Multi Layer Flooring	Units	Unknown				

^{*}Quantities are estimated

The joint compound along with the heat shield-asbestos board was both found to contain asbestos and is deemed asbestos containing materials. AEC also observed multiple layers of flooring that were unable to be sampled. AEC thinks that it is a high probability that some of these layers contain asbestos. AEC also suspects the roof material to contain asbestos.

Removal Options, Recommendations

Floor Tile

If the floor tile is disturbed during renovation activities then, floor tile shall be removed in properly constructed negative pressure containment with personnel wearing proper PPE.

Heat Shield-Asbestos Board

If the asbestos board is disturbed during renovation activities the, asbestos board shall be removed in properly constructed negative pressure containment with personnel wearing proper PPE.

Joint Compound

If the joint compound is disturbed during renovation activities then, joint compound shall be removed in properly constructed negative pressure containment with personnel wearing proper PPE.

Roof Flashing

If the roof flashing is disturbed during renovation activities then, roof flashing shall be removed intact with wetting, drop cloths with personnel wearing proper PPE.

Conclusion

Asbestos containing materials were identified at the subject property and will require special handling and disposal if disturbed during renovation activities. The joint compounds as well as the heat shields were found to contain asbestos. AEC suspects the multi layer flooring as well as the roof materials to contain asbestos. All unknown materials should be assumed to contain asbestos until properly tested. 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

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

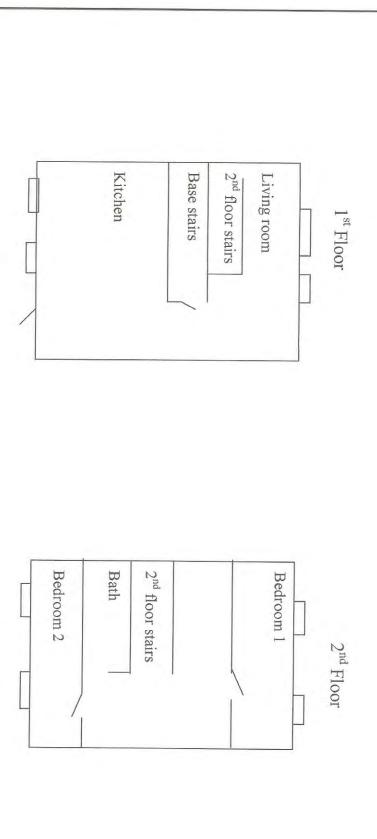
Jeffrey A. Fox

Project Manager

er 9 xp

Appendix A Site Maps

Typical 2 Bedroom



NOT TO SCALE

FIGURE #: 1

DRAWN BY: Jef Fox

AMERICAN ENVIRONMENTAL

CONSULTANTS, L.L.C.

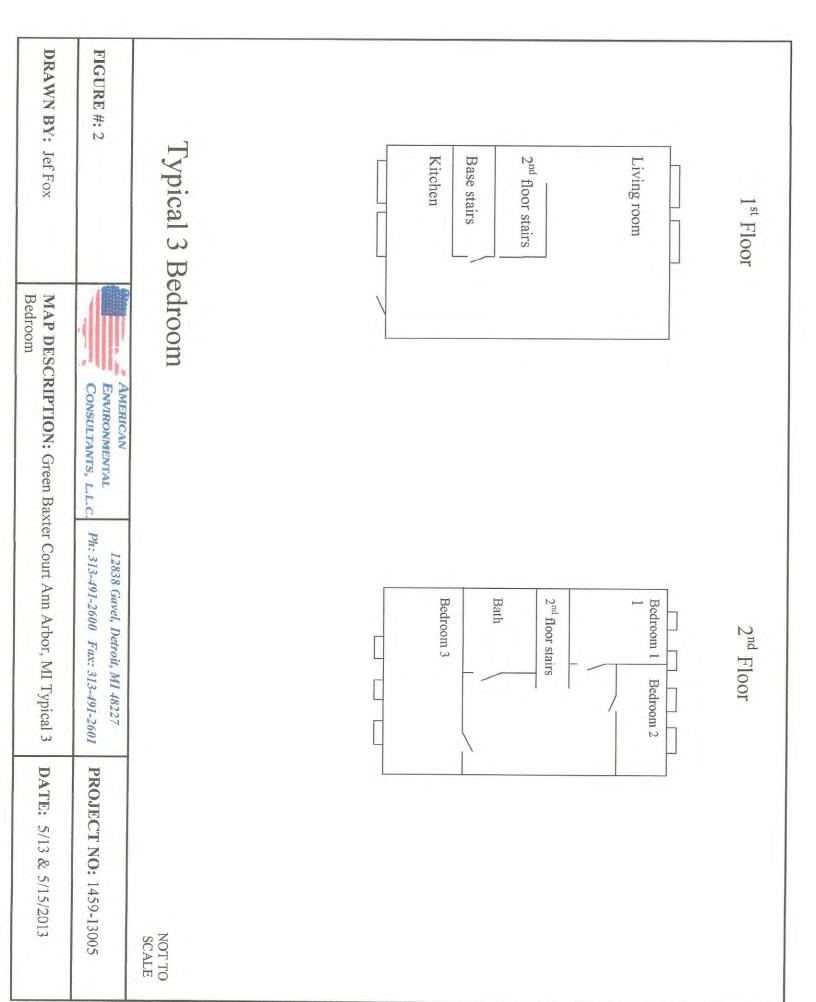
12838 Gavel, Detroit, MI 48227

MAP DESCRIPTION: Green Baxter Court Ann Arbor, MI Typical 2

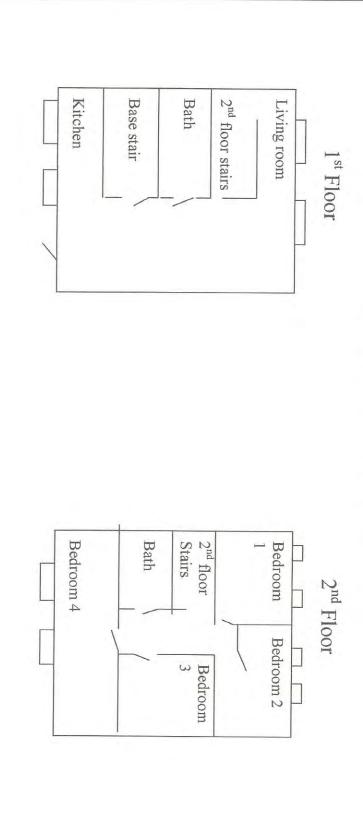
Ph: 313-491-2600 Fax: 313-491-2601

PROJECT NO: 1459-13005

DATE: 5/13 & 5/15/2013



Typical 4 Bedroom Unit



NOT TO SCALE

FIGURE #: 3

DRAWN BY: Jef Fox

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ENVIRONMENTAL
CONSULTANTS, L.L.C.

I 12838 Gavel, Detroit, MI 48227

MENTAL Ph: 313-491-2600 Fax: 313-491-2601

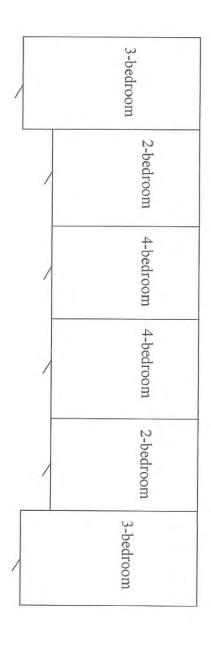
MAP DESCRIPTION: Green Baxter Court Ann Arbor, MI

Typical 4 Bedroom

PROJECT NO: 1459-13005

DATE: 5/13 & 5/15/2013

Typical Building Layout



NOT TO SCALE

FIGURE #: 4

DRAWN BY: Jef Fox

Building Layout

MAP DESCRIPTION: Green Baxter Court Ann Arbor, MI Typical

AMERICAN ENVIRONMENTAL

CONSULTANTS, L.L.C.

12838 Gavel, Detroit, MI 48227

Ph: 313-491-2600 Fax: 313-491-2601

PROJECT NO: 1459-13005

DATE: 5/13 & 5/15/2013

Appendix B Certificates of Analysis



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:

081301211 AECL77

CustomerID: CustomerPO:

ProjectID:

Attn: Jef Fox

American Environmental Consultants

P.O. Box 32865 12838 Gavel Detroit, MI 48227 Phone:

(313) 491-2600

Fax: Received: (313) 491-2601

Analysis Date:

05/16/13 1:20 PM 5/20/2013

Collected:

Project: Green Baxter

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

				Non-Asi		Asbestos		
Sample	Description	Appearance	%	Fibrous	% Nor	n-Fibrous	%	Type
1-DS-1701	Joint Compound	White			98%	Non-fibrous (other)	2%	Chrysotile
081301211-0001		Fibrous Homogeneous						
1-DS-1701	Drywall	Gray	15%	Cellulose	85%	Non-fibrous (other)		None Detected
081301211-0001A		Fibrous Homogeneous						
1-DS-1707	Joint Compound	Gray/White	<1%	Cellulose	98%	Non-fibrous (other)	2%	Chrysotile
081301211-0002		Fibrous Homogeneous						- 10 M - 2 - 2 10 5
1-DS-1707	Drywall	Gray	6%	Cellulose	94%	Non-fibrous (other)		None Detected
081301211-0002A		Fibrous Homogeneous						
1-DS-1711	Joint Compound	Gray			100%	Non-fibrous (other)		None Detected
081301211-0003		Non-Fibrous Homogeneous						201111
1-DS-1711	Drywall	Gray/White	15%	Cellulose	85%	Non-fibrous (other)		None Detected
081301211-0003A		Fibrous Homogeneous				AND STARTS ASSESSED.		
1-DS-1715	Joint Compound	Gray	<1%	Cellulose	100%	Non-fibrous (other)		None Detected
081301211-0004		Fibrous Homogeneous						
1-DS-1715	Drywall	Gray	8%	Cellulose	92%	Non-fibrous (other)		None Detected
081301211-0004A		Fibrous Homogeneous						Avoid to the drawn.

Analyst(s)

Jamie Laginess (16) Orlando J. Ivey II (53)

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



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Attn: Jef Fox

American Environmental Consultants P.O. Box 32865 12838 Gavel Phone:

(313) 491-2600

Fax: Received: (313) 491-2601 05/16/13 1:20 PM

Analysis Date:

5/20/2013

Collected:

Project: Green Baxter

Detroit, MI 48227

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

				Non-Asi		Asbestos		
Sample	Description	Appearance	%	Fibrous	% Nor	n-Fibrous	%	Type
1-DS-1719 081301211-0005	Joint Compound	Gray/White/Cream Fibrous Homogeneous	6%	Cellulose	92%	Non-fibrous (other)	2%	Chrysotile
1-DS-1719 081301211-0005A	Drywall	Gray/White Fibrous Homogeneous	10%	Cellulose	90%	Non-fibrous (other)		None Detected
1-DS-1723 081301211-0006	Joint Compound	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)		None Detected
1-DS-1723 081301211-0006A	Drywall	Gray Fibrous Homogeneous	20%	Cellulose	80%	Non-fibrous (other)		None Detected
1-DS-1727 081301211-0007	Joint Compound	Gray/White Fibrous Homogeneous	<1%	Cellulose	97%	Non-fibrous (other)	3%	Chrysotile
1-DS-1727 081301211-0007A	Drywall	Gray Fibrous Homogeneous	15%	Cellulose	85%	Non-fibrous (other)		None Detected
1-DS-1729 081301211-0008	Joint Compound	White Non-Fibrous Homogeneous			100%	Non-fibrous (other)		None Detected
1-DS-1729 081301211-0008A	Drywall	Gray Fibrous Homogeneous	10%	Cellulose	90%	Non-fibrous (other)		None Detected

Analyst(s)

Jamie Laginess (16) Orlando J. Ivey II (53)

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



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Received:

05/16/13 1:20 PM

Analysis Date:

5/20/2013

Collected:

Project: Green Baxter

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

				Non-As	Asbestos			
Sample	Description	Appearance	%	Fibrous	% No	n-Fibrous	%	Type
1-DS-1735	Joint Compound	Gray			98%	Non-fibrous (other)		Chrysotile
081301211-0009		Non-Fibrous Homogeneous						
1-DS-1735	Drywall	Brown/Gray	5%	Cellulose	95%	Non-fibrous (other)		None Detected
081301211-0009A		Fibrous Homogeneous				rion norodo (otrici)		Notice Detected
1-DS-1737	Joint Compound	White	<1%	Cellulose	100%	Non-fibrous (other)		None Detected
081301211-0010		Non-Fibrous Homogeneous	<1%	Glass		(ether)		None Detected
1-DS-1737	Drywall	Gray	5%	Cellulose	95%	Non-fibrous (other)		None Detected
081301211-0010A		Fibrous Homogeneous				(orier)		None Detected
1-DS-1745	Joint Compound				98% Non-fibrous (other)	Non-fibrous (other)	2% Chrysotile	
081301211-0011		Non-Fibrous Homogeneous				(0.131)	270	Omysothe
1-DS-1745	Drywall	Gray	6%	Cellulose	94%	Non-fibrous (other)		None Detected
081301211-0011A		Fibrous Homogeneous				visit indicate (other)		none beledied
2-C-1701	Caulk	Gray/White			100%	Non-fibrous (other)		None Detected
081301211-0012		Non-Fibrous Homogeneous				······		none Detected
2-C-1713	Caulk						In	sufficient Materia
081301211-0013								sumcient Materia

Analyst(s)

Jamie Laginess (16) Orlando J. Ivey II (53)

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



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Jef Fox

American Environmental Consultants

P.O. Box 32865 12838 Gavel Detroit, MI 48227

Project: Green Baxter

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(313) 491-2600

Fax:

(313) 491-2601

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05/16/13 1:20 PM 5/20/2013

Collected:

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

Acres and a second of				Non-As	bestos	Asbestos
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
2-C-1735 081301211-0014	Caulk	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
3-FT-1701 081301211-0015	Floor Tile	Gray/Tan Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
3-FT-1701 081301211-0015A	Mastic	Tan Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
3-FT-1707 081301211-0016	Floor Tile	Gray/Tan Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
3-FT-1707 081301211-0016A	Mastic	Gray/Tan Fibrous Homogeneous	3%	Synthetic	97% Non-fibrous (other)	None Detected
3-FT-1705 081301211-0017	Floor Tile	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
3-FT-1705 081301211-0017A	Mastic	Black Non-Fibrous Homogeneous	<1%	Cellulose	100% Non-fibrous (other)	None Detected
4-SC-1701 081301211-0018	Sink Undercoating	Gray Fibrous Homogeneous	2%	Cellulose	98% Non-fibrous (other)	None Detected

Analyst(s)

Jamie Laginess (16)

Orlando J. Ivey II (53)

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



212 South Wagner Road, Ann Arbor, MI 48103

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

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081301211

CustomerID:

AECL77

CustomerPO: ProjectID:

Jef Fox

American Environmental Consultants P.O. Box 32865

12838 Gavel Detroit, MI 48227 Phone:

(313) 491-2600

Fax: Received: (313) 491-2601

Analysis Date:

05/16/13 1:20 PM

5/20/2013

Collected:

Project: Green Baxter

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

Autorial Advances				Non-Asi	Asbestos		
Sample	Description	Appearance	%	Fibrous	% No	n-Fibrous	% Type
4-SC-1719	Sink Undercoating	Gray	<1%	Cellulose	100%	Non-fibrous (other)	None Detected
081301211-0019		Fibrous Homogeneous				marodo (dirici)	None Detected
4-SC-1731	Sink Undercoating	Gray	3%	Cellulose	97%	Non-fibrous (other)	None Detected
081301211-0020		Non-Fibrous Homogeneous			0170	Hon hibrors (other)	None Detected
5-FT-1701	Floor Tile	Gray			100%	Non-fibrous (other)	None Detected
081301211-0021		Non-Fibrous Homogeneous			10070	Non horous (other)	None Detected
			Insufficient	Mastic			
5-FT-1703	Floor Tile	Gray			100%	Non-fibrous (other)	None Detected
081301211-0022		Non-Fibrous Homogeneous				(onler)	None Detected
			Insufficient	Mastic			
5-FT-1729	Floor Tile	Gray			100%	Non-fibrous (other)	None Detected
081301211-0023		Non-Fibrous Homogeneous					Horic Betested
* * * T T T T T T T T T T T T T T T T T			Insufficient	Mastic			
6-SC-1703	Sink Undercoating	Gray	8%	Cellulose	92%	Non-fibrous (other)	None Detected
081301211-0024		Fibrous Homogeneous				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	none beleeted
6-SC-1727	Sink Undercoating	Gray	7%	Cellulose	93%	Non-fibrous (other)	NDirector
081301211-0025		Fibrous Homogeneous		7,100,000	00 /0	recit instode (ottlet)	None Detected

Analyst(s)

Jamie Laginess (16)

Orlando J. Ivey II (53)

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



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Received:

05/16/13 1:20 PM

Analysis Date:

5/20/2013

Collected:

Project: Green Baxter

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

			Asbestos			
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
6-SC-1733 081301211-0026	Sink Undercoating	Gray Fibrous Homogeneous	15%	Cellulose	85% Non-fibrous (other)	None Detected
7-TC-1703BA 081301211-0027	Texture	White Fibrous Homogeneous	7%	Wollastonite	93% Non-fibrous (other)	None Detected
7-TC-1703BR1 081301211-0028	Texture	White Fibrous Homogeneous	6%	Wollastonite	94% Non-fibrous (other)	None Detected
7-TC-1703BR2 081301211-0029	Texture	White Non-Fibrous Homogeneous	5%	Wollastonite	95% Non-fibrous (other)	None Detected
8-FT-1707 081301211-0030	Linoleum	Gray Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
8-FT-1707 081301211-0030A	Adhesive	Gray/Black Fibrous Homogeneous	5%	Synthetic	95% Non-fibrous (other)	None Detected
9-FT-1707 081301211-0031	Floor Tile	Gray/Tan Fibrous Homogeneous	4%	Cellulose	96% Non-fibrous (other)	None Detected
10-FT-1707 081301211-0032	Floor Tile	Gray Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected

Analyst(s)

Jamie Laginess (16)

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(313) 491-2601

Received:

05/16/13 1:20 PM

Analysis Date:

5/20/2013

Collected:

Man Ashantas

Project: Green Baxter

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

				Non-As	Asbestos	
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
10-FT-1745	Floor Tile	Gray			100% Non-fibrous (other)	None Detected
081301211-0033		Non-Fibrous Homogeneous			()	None Betested
			insufficien	t Mastic		
11-LIN-1707	Linoleum	Gray/Tan	15%	Cellulose	85% Non-fibrous (other)	None Detected
081301211-0034		Fibrous Heterogeneous			(=1,4,)	None Detected
11-LIN-1707	Adhesive	Tan			100% Non-fibrous (other)	None Detected
081301211-0034A		Non-Fibrous Homogeneous			room normonous (other)	Notice Detected
12-BB-1707	Baseboard	Tan	20%	Cellulose	80% Non-fibrous (other)	None Detected
081301211-0035		Fibrous Homogeneous			(outer)	None Detected
13-FT-1709	Floor Tile	Gray			100% Non-fibrous (other)	None Detected
081301211-0036		Non-Fibrous Homogeneous			100% Not-fibrous (other)	None Detected
			Insufficient	Mastic		
13-FT-1711	Floor Tile	Gray			100% Non-fibrous (other)	None Detected
081301211-0037		Non-Fibrous Homogeneous			A NATIONAL WATER	none Detected
13-FT-1711	Mastic	Tan	5%	Cellulose	95% Non-fibrous (other)	None Detected
081301211-0037A		Fibrous Homogeneous			oow Horribrous (other)	None Detected

Analyst(s)

Jamie Laginess (16) Orlando J. Ivey II (53)

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



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Received: Analysis Date: 05/16/13 1:20 PM 5/20/2013

Collected:

Project: Green Baxter

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

				Non-As	bestos	. 8	Asbestos
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	9	6 Type
13-FT-1729	Floor Tile	White			100% Non-fibrous (other)		None Detected
081301211-0038		Non-Fibrous Homogeneous			(**************************************		None Detected
			Insufficier	nt Mastic			
14-FT-1711	Floor Tile	Gray			100% Non-fibrous (other)		None Detected
081301211-0039		Non-Fibrous Homogeneous					None Detected
15-FT-1705	Floor Tile	Gray			100% Non-fibrous (other)		Marilla Branchine
081301211-0040		Non-Fibrous Homogeneous			10030 NOTHIDIOUS (OLNER)		None Detected
16-FT-1713	Floor Tile	Brown/Gray			100% Non-fibrous (other)		41 1
081301211-0041		Non-Fibrous Homogeneous			100 % Non-ribrous (otner)		None Detected
17-HS-1713	Heat Shield	Gray/White	45%	Cellulose	20% Non-fibrous (other)	2500	01
081301211-0042		Fibrous Homogeneous			20% Not-Horods (ottler)	33%	Chrysotile
17-HS-1721	Heat Shield	Gray/White	55%	Cellulose	15% Non-fibrous (other)	200/	01
081301211-0043		Fibrous Homogeneous			10 % Noth-Horous (other)	30%	Chrysotile
17-HS-1735	Heat Shield	Gray	30%	Cellulose	30% Non-fibrous (other)	400/	Charactile
081301211-0044		Fibrous Homogeneous			oo is its initious (other)	40%	Chrysotile
18-BB-1737	Cove Base	Gray	2%	Cellulose	98% Non-fibrous (other)		None Detected
081301211-0045		Fibrous Homogeneous			Je is individual (otile)		None Detected

Analyst(s)

Jamie Laginess (16) Orlando J. Ivey II (53)

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



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081301211 AECL77

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ProjectID:

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12838 Gavel Detroit, MI 48227 Phone:

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Fax: Received: (313) 491-2601

Analysis Date:

05/16/13 1:20 PM 5/20/2013

Collected:

Project: Green Baxter

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

E				Non-Asi	oestos		Asbestos
Sample	Description	Appearance	%	Fibrous	% Non-Fibrou		% Type
18-BB-1737 081301211-0045A	Adhesive	Gray/Tan Fibrous Homogeneous	10%	Cellulose	90% Non-fib		None Detected
19-CT-A1737-1 081301211-0046	Ceiling Tile	Gray/White Fibrous Homogeneous	40% 25%	Cellulose Min. Wool	35% Non-fib	rous (other)	None Detected
19-CT-A1737-2 081301211-0047	Ceiling Tile	Gray/White Fibrous Homogeneous	55% 25%	Cellulose Min. Wool	20% Non-fibi	rous (other)	None Detected
19-CT-A1737-3 081301211-0048	Ceiling Tile	Gray/White Fibrous Homogeneous	60% 15%	Cellulose Min. Wool	25% Non-fibr	ous (other)	None Detected
1-DS-1747 081301211-0049	Joint Compound (Not on COC)	White Fibrous Homogeneous	3%	Cellulose	95% Non-fibr	ous (other) 2%	Chrysotile
1-DS-1747 081301211-0049A	Drywall (Not on COC)	Gray Fibrous Homogeneous	10%	Cellulose	90% Non-fibre	ous (other)	None Detected
18-BB-1732-2 081301211-0050	Cove Base (Not on COC)	Gray Fibrous Homogeneous	2%	Cellulose	98% Non-fibro	ous (other)	None Detected
18-BB-1732-2 081301211-0050A	Adhesive (Not on COC)	Gray/Tan Non-Fibrous Homogeneous			100% Non-fibro	ous (other)	None Detected

Analyst(s)

Jamie Laginess (16)

Orlando J. Ivey II (53)

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



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Fax:

(313) 491-2601

Received:

06/06/13 12:19 PM

Analysis Date:

6/6/2013

Collected:

Project: Green Baxter

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

Non-Asbestos

Asbestos

Sample Description Appearance Fibrous Non-Fibrous % Type 27-SID-1737 Siding Gray 75% Cellulose 25% Non-fibrous (other) None Detected Fibrous 081301457-0001 Homogeneous

Analyst(s)

Jamie Laginess (1)

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 06/06/2013 16:56:48



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Fax:

(313) 491-2601

Received: Analysis Date: 06/04/13 2:51 PM 6/5/2013

Collected:

Project: Point counts on joint compunds, order 081301211

Test Report: Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116 and/or EPA 600/M4-82-020. Quantitation using 400 Point Count Procedure

				Non-	Asbestos	Asbestos
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
1-DS-1701	Joint compound	Gray/White			98.75% Non-fibrous (other)	1.25% Chrysotile
081301426-0001		Fibrous				
		Homogeneous				
1-DS-1707	Joint compound	Gray/White			99.50% Non-fibrous (other)	0.50% Chrysotile
081301426-0002		Fibrous				
		Homogeneous			27530 44	The state of the s
1-DS-1719	Joint compound	Gray/Cream			99.25% Non-fibrous (other)	0.75% Chrysotile
081301426-0003		Fibrous				
		Homogeneous				
1-DS-1727	Joint compound	Gray/White			98.75% Non-fibrous (other)	1.25% Chrysotile
081301426-0004	7	Fibrous				
		Homogeneous				
1-DS-1735	Joint compound	Gray/Cream			99.50% Non-fibrous (other)	0.50% Chrysotile
081301426-0005	400000000000000000000000000000000000000	Fibrous				
		Homogeneous				
1-DS-1745	Joint compound	Gray			99.25% Non-fibrous (other)	0.75% Chrysotile
081301426-0006		Fibrous				
		Homogeneous				

Allalyst(s)

Orlando J. Ivey II (6)

Chris Dojlidko, Laboratory Manager or other approved signatory

Disclaimer. Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. The limit of detection as stated in the method is 0.25%. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc., bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc., liability is limited to the cost of sample analysis. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted. Unless requirements of NELAC unless otherwise noted. client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI

Initial report from 06/05/2013 10:07:49

CHAIN OF CUSTODY Asbestos

Electron Microscopy Service Laboratories, Inc.

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

EMSL

Company	*	American Envir		EMSL Bill To:	American Enviro	onmental
Address:	r	Consultants, L.I	L.C.	Address:	Consultants, L.L.	
City/State		P.O. Box 32865 Detroit, MI 482		City/State:	–P.O. Box 32865 Detroit, MI 4823	2
Phone:		1912600		Bill Attention T	0:	
ax:	313 4	912601		Phone:		
ax or Pho	one Results	To: JEF F	DX.	PO#:		•
mergenc		3133631	3578	Project Name/N	umber: Green	0.
	J	Fox eaech	11-net	IS (Please Circle On	GILEEN	BAXTE
	Ti	EM EM	ANALYS	15 (Please Circle On		
Air	Bulk	Dust/Wipe	Water	PLM	PCM	SEM
AHERA	Qualitative	Qualitative		Bulk	Air	
Level II IOSH 7402	Chatfield	Quantitative	Drinking Waste	EPA 600 Point Count	NIOSH 7400	
	#Dlenca	soll in all and	NAME OF TAXABLE PARTY.	mple analysis or larg		
	3 Hour ple ID	o Hour 24		IE (Please Circle On 48 Hour 3/Da	ays 5 Days	-
1-05-		Parmai			olume/Area of application	table)
		Fire	6	STEMS		
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	1707					
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2-6-	1715 719 1723 127 129 135 137	D. EXT C	AVLI			
2-6-	1715 719 1723 127 129 135 137	B. EXT C	AVLI			
2-c-	1715 719 1723 127 129 135 137	D. EXT C	AVUI			
2-c-	1715 719 1713 1723 1727 1729 135 137 145	D. EXT C	AVLI		mber of Samples:	
2-1-	1715 719 1713 127 129 135 137 145 1701 1703 1735	D. EXT C	AVLI		mber of Samples:	

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

EMSL

Company Name:	American Environmental	EMSL Bill To:	American Environmental
Address:	Consultants, L.L.C.	Address:	Consultants, L.L.C.
'City/State/Zip:	—P.O. Box 32865 Detroit, MI 48232	City/State:	–P.O. Box 32865 <u> </u>
Phone: 313	4912600	Bill Attention T	
	4912601	Phone:	
Fax or Phone Resu		PO#:	
Emergency Phone	3133630578	Project Name/N	umber:
	1 Fox eaecminot		

TYPE OF ANALYSIS (Please Circle One)

	TE	M		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) 6 Hour Z4 Hour

3 Hour

48 Hour 3 Days 5 Days Sample ID Location Volume/Area (if applicable) 12X12 TAN SPLOTEN 3-1701 1207 1705 SINK COATING - SMOOTH 4-50-1701 1719 1731 12X12 BLUE SPLOTER 5-47-1701 1703 1729 6-5(-170) SINE CATING - ROJUH 1727 1733

Comments:	Total Number of Samples:	
Relinquished by:	Date: 4/6/13Time:	
Received by:	Date: Time:	
- NAME		

CHAIN OF CUSTODY Asbestos

Electron Microscopy Service Laboratories, Inc.

Company Nat	me: A.	merican Environmenta	EMSL Bill To:	Fax: (734) 668-85.	
Address:		onsultants, L.L.C.	Address:	American Enviro Consultants, L.L.	
City/State/Zip	D	O. Box 32865		-P.O. Box 32865	·.
	DE	etroit, MI 48232	City/State:	Detroit, MI 48232	2
		912600	Bill Attention T	0:	
Fax: 3	313 49	112601	Phone:	The second secon	
Fax or Phone	Results T	O: JEFFOX	PO#:		
Emergency Ph	ione: 🔽	133630578	Project Name/Ni	umber:	11.
	IF	Ex egecminet		Direction .	DAXTE
	7010	TYPE OF ANALY			
Air	TE. Bulk	Dust/Wipe Water	PLM	PCM	SEM
	valitative	Qualitative Drinking		Air	
	Chatfield	Quantitative Waste	Point Count	NIOSH 7400	1
NOSH 7402					
Sample		Location		ays 5 Days olume/Area (17 appli	cable)
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7-12-17	030	Location 4 Texture	Va Commo		cable)
7-75-17	03 De	4 TEXTUME			cable)
7-75-17	030	4 TEXTUME	Commos		cable)
7-75-17	03 De	4 TEXTUNOS	PATTORN		cable)
7-72-17	03 De	4 TEXTUNOS	PATTORN		cable)
7-TC-17 170 170 5-FT-170 9-FT-170	03 BA/ 03BA/ 03BA/ 7	4 TEXTUME	PATTORN DER PITAL	olume/Area (17 sppli	
7-TC-17 170 170 8-FT-170 9-FT-170 10-FT-17	03 BA/ 03BA/ 03BA/ 7	7 TEXTURES	PATTORN DER PITAL		
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7-TC-17 170 5-FT-170 9-FT-170 11 11-UM-1	03 Bal 13Bal 7 17 107 145	4 TEXTUNES 2 12 × 12 Place 12 × 12 VA 17E LIN- 12 × 12	PATTORN DER PITAL	New Special	
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CHAIN OF CUSTODY Asbestos

Electron Microscopy Service Laboratories, Inc.

Company	Name: A	merican Envir	ronmental	EMSL Bill	TT?	Fax: (734) 668-85 merican Enviro	The state of the s
Address:		onsultants, L.I		Address:	4. 2.	onsultants, L.L.	- (-1) 11 14 - 4 4 M
'City/State		O. Box 32865		City/State:		O. Box 32865	
Phone:	De	etroit, MI 482	32		Do	etroit, MI 48232	2
		12600		Bill Attention	on To:		
Fax:	313 49	112601		Phone:			
Fax or Pho	one Results T	o: JEF F	- nv	PO#:	ŧ		-
Emergenc	y Phone: 3	13363		Project Nam	e/Numl	per:	
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Air	Bulk	Dust/Wipe	Water	Bulk	-	Air	SEM
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Comments: Total Number of Samples: Relinquished by: Date: Time: Time:

Received by:

Date:

CHAIN OF CUSTODY Asbestos

Electron Microscopy Service Laboratories, Inc.

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

	Name:	American Environment	al EMSL Bill	Fax: (734) 668-8532
Address:		Consultants, L.L.C.	Address:	American Environmenta Consultants, L.L.C.
City/State	77in	O. Box 32865		——P.O. Box 32865
Phone:	3 0	Detroit, MI 48232	City/State:	Detroit MI 48232
	313 4	912600	Bill Attentio	n To:
Fax:	313 4	912601	Phone:	
San Control of the Co	one Results	To: JEF FOX	PO#:	1
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Level II IOSH 7402	Chatfield	Quantitative Waste	O L LAND A VOICE	1
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	~ ~~~~	call in advance for RUSH	sample analysis or	large quantities.
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WALK IN

Appendix C Site Photographs



PHOTOGRAPHIC LOG

CONSULTANTS, L.L.C. 12838 Gavel, Detroit, MI 48227 Phone: 313-491-2600 Fax: 313-491-2601 Site Name: Green Baxter Project Number: 1459-13005 Street Address: 1701-1747 Green Rd. City, State, Zip: Ann Arbor, MI 48105

Photo Number:

Photographer:

Jef Fox

Date:

May 13 and May 15, 2013

Description:

ACM-Joint Compound



Photo Number:

2

Photographer:

Jef Fox

Date:

May 13 and May 15, 2013

Description:

ACM-Heat Shield- Asbestos Board





PHOTOGRAPHIC LOG

Site Name: Green Baxter Project Number: 1459-13005 1701-1747 Green Rd. Street Address: City, State, Zip: Ann Arbor, MI 48105

Photo Number:

Photographer:

Jef Fox

Date:

May 13 and May 15, 2013

Description:

12" x 12" Floor tile-White with Black Splotch

Photo Number:

Photographer:

Jef Fox

Date:

May 13 and May 15, 2013

Description:

Textured Coating





PHOTOGRAPHIC LOG

CONSULTANTS, L.L.C. 12838 Gavel, Detroit, MI 48227 Phone: 313-491-2600 Fax: 313-491-2601

Site Name:Green BaxterProject Number:1459-13005Street Address:1701-1747 Green Rd.City, State, Zip:Ann Arbor, MI 48105

Photo Number:

5

Photographer:

Jef Fox

Date:

May 13 and May 15, 2013

Description:

Sink Coating-Rough

Photo Number:

6

Photographer:

Jef Fox

Date:

May 24- May 26, 2013

Description:

2x4 Pinhole Fissured Ceiling Tile



