EMSL Order: 131704610 **EMSL** Analytical, Inc. Customer ID: NOBI50 5 Constitution Way, Unit A Woburn, MA 01801 EMSL **Customer PO:** Tel/Fax: (781) 933-8411 / (781) 933-8412 Project ID: http://www.EMSL.com / bostonlab@emsl.com Attention: Karl Karlsson **Phone:** (603) 224-4182 Nobis Engineering, Inc. Fax: (603) 224-2507 18 Chenell Drive Received Date: 10/10/2017 8:56 AM Concord, NH 03301 Analysis Date: 10/24/2017 Collected Date: 10/03/2017 Project: 80108.14

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

		Non-Asbestos		stos	<u>Asbestos</u>	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре	
A-6-Mastic	Room 307 - White Speckled 12x12 Tile Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
۹-10	Room 304 - 2x4 Acoustic Ceiling Tile	Gray/White Fibrous	40% Cellulose 20% Min. Wool	40% Non-fibrous (Other)	None Detected	
131704610-0013	5	Homogeneous				
A-11	Room 304 - 2x4 Acoustic Ceiling Tile	Gray/White Fibrous	40% Cellulose 20% Min. Wool	40% Non-fibrous (Other)	None Detected	
131704610-0014		Homogeneous				
A-12	Room 305 - 2x4 Acoustic Ceiling Tile	Gray/White Fibrous	40% Cellulose 20% Min. Wool	40% Non-fibrous (Other)	None Detected	
131704610-0015		Homogeneous				
A-25 131704610-0028	Room 202 - 2x4 Acoustic Ceiling Tile	Gray/White Fibrous	35% Cellulose 35% Min. Wool	30% Non-fibrous (Other)	None Detected	
	Deem 202 . 2:4	Homogeneous	25% Callulana	200/ Non fibrous (Other)	Nega Datastad	
A-26 131704610-0029	Room 203 - 2x4 Acoustic Ceiling Tile	Gray/White Fibrous Homogeneous	35% Cellulose 35% Min. Wool	30% Non-fibrous (Other)	None Detected	
A-27	Room 207 - 2x4	Gray/White	35% Cellulose	30% Non-fibrous (Other)	None Detected	
≺-∠ 7 131704610-0030	Acoustic Ceiling Tile	Fibrous Homogeneous	35% Min. Wool	50% NOI-IDIOUS (Other)	None Delected	
A-31-Mastic	Room 208 - 12x12 White Tile Mastic	Black Non-Fibrous		90% Non-fibrous (Other)	10% Chrysotile	
131704610-0035	White the Maste	Homogeneous				
A-32-Mastic	Room 208 - 12x12 White Tile Mastic				Positive Stop (Not Analyzed)	
131704610-0037						
A-33-Mastic	Room 208 - 12x12 White Tile Mastic				Positive Stop (Not Analyzed)	
131704610-0039						
4-34-DW	Room 210 - Drywall	Gray/Tan Fibrous	10% Cellulose	90% Non-fibrous (Other)	None Detected	
131704610-0040		Homogeneous				
A-34-JC	Room 210 - Joint Compound	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile	
	Boom 210 Draw-	, i i i i i i i i i i i i i i i i i i i		00% Non fibrous (Other)	None Detected	
A-35-DW	Room 210 - Drywall	Gray/Tan Fibrous	10% Cellulose	90% Non-fibrous (Other)	None Detected	
131704610-0042		Homogeneous				
4-35-JC	Room 210 - Joint Compound				Positive Stop (Not Analyzed)	
131704610-0043						
A-36-DW	Kitchen - Drywall	Gray/Tan Fibrous	10% Cellulose	90% Non-fibrous (Other)	None Detected	
131704610-0044		Homogeneous				
A-36-JC	Kitchen - Joint Compound				Positive Stop (Not Analyzed)	
131704610-0045	-					



EMSL Analytical, Inc. 5 Constitution Way, Unit A Woburn, MA 01801

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Project ID:

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

			Non-Asbes	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
A-38-Mastic	Kitchen - 9x9 Brown Speckled Tile Mastic				Positive Stop (Not Analyzed)
131704610-0049					
A-49	Room 104 - 2'x2' Acoustic Ceiling Tile	Gray/White Fibrous	35% Cellulose 35% Min. Wool	30% Non-fibrous (Other)	None Detected
131704610-0061		Homogeneous			
A-50	Room 107 - 2'x2' Acoustic Ceiling Tile	Gray/White Fibrous	35% Cellulose 35% Min. Wool	30% Non-fibrous (Other)	None Detected
131704610-0062		Homogeneous			
A-51	Room 103 - 2'x2' Acoustic Ceiling Tile	Gray/White Fibrous	35% Cellulose 35% Min. Wool	30% Non-fibrous (Other)	None Detected
131704610-0063		Homogeneous			
A-64	Room 112 - Calcium Spacer Brick	White Non-Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected
131704610-0082		Homogeneous			
A-65	Room 112 - Calcium Spacer Brick	White Non-Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected
131704610-0083		Homogeneous			
A-66	East Hallway - Calcium Spacer Brick	White Non-Fibrous	2% Cellulose	98% Non-fibrous (Other)	None Detected
131704610-0084		Homogeneous			
A-70	Room 115 - Drywall Behind Newer Drywall	Gray/Tan Fibrous	10% Cellulose	90% Non-fibrous (Other)	None Detected
131704610-0088		Homogeneous			
A-71	Room 107 - Drywall Behind Newer Drywall	Gray/Tan Fibrous	10% Cellulose	90% Non-fibrous (Other)	None Detected
131704610-0089		Homogeneous			
A-72	Room 108 - Drywall Behind Newer Drywall	Gray/Tan Non-Fibrous	10% Cellulose	90% Non-fibrous (Other)	None Detected
131704610-0090		Homogeneous			
A-79-Mastic	Room B02 - Light Brown Speckled 9x9	Black Non-Fibrous		90% Non-fibrous (Other)	10% Chrysotile
131704610-0098	Tile Mastic	Homogeneous			
A-80-Mastic	Room B04 - Light Brown Speckled 9x9				Positive Stop (Not Analyzed)
131704610-0100	Tile Mastic				
A-81-Mastic	Room B05 - Light Brown Speckled 9x9				Positive Stop (Not Analyzed)
131704610-0102	Tile Mastic				

Analyst(s)

Kevin Pine (6) Steve Grise (16)

- P.A.

Steve Grise, Laboratory Manager or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-107T3, VT AL998919, Maine Bulk Asbestos BA039

Initial report from: 10/24/2017 17:18:19



EMSL Order: 131704610 Customer ID: NOBI50 Customer PO: Project ID:

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 Received Date:
 10/10/2017 8:56 AM

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 10/03/2017

Project: 80108.14

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
A-1 131704610-0001	Room 303 - Brown Linoleum	Brown Non-Fibrous	100	None	No Asbestos Detected
		Homogeneous			
A-2 131704610-0002	Room 303 - Brown Linoleum	Brown Non-Fibrous	100	None	No Asbestos Detected
		Homogeneous			
A-3	Room 303 - Brown	Brown	100	None	No Asbestos Detected
131704610-0003	Linoleum	Non-Fibrous			
		Homogeneous			
A-4-Tile	Room 307 - White	Tan	97.0	None	3.0% Chrysotile
131704610-0004	Speckled 12x12 Tile	Non-Fibrous			
		Homogeneous			
A-4-Mastic	Room 307 - White	Black	100	None	No Asbestos Detected
131704610-0005	Speckled 12x12 Tile	Non-Fibrous			
	Mastic	Homogeneous			
A-5-Tile	Room 307 - White				
131704610-0006	Speckled 12x12 Tile				
A-5-Mastic 131704610-0007	Room 307 - White Speckled 12x12 Tile Mastic	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
A-6-Tile	Room 307 - White	nomogeneous			
131704610-0008	Speckled 12x12 Tile				
131104010-0000					
Positive	Stop (Not Analyzed)				
	Stop (Not Analyzed) Room 304 - Carpet Glue	Yellow	100	None	No Asbestos Detected
A-7		Yellow Non-Fibrous	100	None	No Asbestos Detected
A-7	Room 304 - Carpet Glue		100	None	No Asbestos Detected
A-7 131704610-0010	Room 304 - Carpet Glue and Mastic	Non-Fibrous	100	None	No Asbestos Detected
A-7 131704610-0010 A-8	Room 304 - Carpet Glue	Non-Fibrous Heterogeneous			
4-7 131704610-0010 4-8	Room 304 - Carpet Glue and Mastic Room 308 - Carpet Glue	Non-Fibrous Heterogeneous Black/Yellow			
A-7 131704610-0010 A-8 131704610-0011	Room 304 - Carpet Glue and Mastic Room 308 - Carpet Glue and Mastic	Non-Fibrous Heterogeneous Black/Yellow Non-Fibrous			
A-7 131704610-0010 A-8 131704610-0011 A-9	Room 304 - Carpet Glue and Mastic Room 308 - Carpet Glue	Non-Fibrous Heterogeneous Black/Yellow Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
A-7 131704610-0010 A-8 131704610-0011 A-9	Room 304 - Carpet Glue and Mastic Room 308 - Carpet Glue and Mastic Room 3rd Floor Hallway -	Non-Fibrous Heterogeneous Black/Yellow Non-Fibrous Heterogeneous Yellow	100	None	No Asbestos Detected
Positive A-7 131704610-0010 A-8 131704610-0011 A-9 131704610-0012 A-13	Room 304 - Carpet Glue and Mastic Room 308 - Carpet Glue and Mastic Room 3rd Floor Hallway -	Non-Fibrous Heterogeneous Black/Yellow Non-Fibrous Heterogeneous Yellow Non-Fibrous	100	None	No Asbestos Detected No Asbestos Detected
A-7 131704610-0010 A-8 131704610-0011 A-9 131704610-0012	Room 304 - Carpet Glue and Mastic Room 308 - Carpet Glue and Mastic Room 3rd Floor Hallway - Carpet Glue and Mastic	Non-Fibrous Heterogeneous Black/Yellow Non-Fibrous Heterogeneous Yellow Non-Fibrous Heterogeneous	100	None	No Asbestos Detected

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA

Initial report from: 10/24/2017 17:18:15



Nobis Engineering, Inc.

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EMSL Order: 131704610 Customer ID: NOBI50 Customer PO: Project ID:

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 Received Date:
 10/10/2017 8:56 AM

 Analysis Date:
 10/24/2017

 Collected Date:
 10/03/2017

Project: 80108.14

Attention: Karl Karlsson

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
A-14 131704610-0017	West Stairwell - Tan Stair Tread				
Positive	Stop (Not Analyzed)				
A-15 131704610-0018	East Stairwell - Tan Stair Tread				
Positive	Stop (Not Analyzed)				
A-16 131704610-0019	West Hallway 2nd Floor Landing - Cove Base	Tan Non-Fibrous Homogeneous	100	None	No Asbestos Detecteo
A-17 131704610-0020	West Hallway 2nd Floor Landing - Cove Base	Tan Non-Fibrous Homogeneous	100	None	No Asbestos Detecteo
A-18 131704610-0021	West Hallway 2nd Floor Landing - Cove Base	Tan Non-Fibrous Homogeneous	100	None	No Asbestos Detecteo
A-19 131704610-0022	West Hallway 2nd Floor - Brown Linoleum	Brown Fibrous Homogeneous	100	None	No Asbestos Detecteo
A-20 131704610-0023	Room 204 - Brown Linoleum	Brown Fibrous Homogeneous	100	None	No Asbestos Detecteo
A-21 131704610-0024	Room 207 - Brown Linoleum	Brown Fibrous Homogeneous	100	None	No Asbestos Detecteo
A-22 131704610-0025	Room 202 - Glue Daub Behind Faux Wood Panel	Brown Non-Fibrous Homogeneous	100	None	No Asbestos Detecteo
A-23 131704610-0026	Room 204 - Glue Daub Behind Faux Wood Panel	Brown Non-Fibrous Homogeneous	92.2	None	7.8% Chrysotile
A-24	Room 210 - Glue Daub				

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Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
A-28	Room 208 - White	White	95.0	5.0 Glass	No Asbestos Detected
131704610-0031	Speckled Linoleum	Fibrous			
		Homogeneous			
A-29	Room 208 - White	White	99.4	0.55 Glass	No Asbestos Detected
131704610-0032	Speckled Linoleum	Fibrous			
		Homogeneous			
A-30	Room 208 - White	White	96.1	3.9 Glass	No Asbestos Detected
131704610-0033	Speckled Linoleum	Fibrous			
		Homogeneous			
A-31-Tile	Room 208 - 12x12 White	White	94.2	None	5.8% Chrysotile
131704610-0034	Tile	Non-Fibrous			
		Homogeneous			
A-32-Tile	Room 208 - 12x12 White				
131704610-0036	Tile				
Positive	Stop (Not Analyzed)				
A-33-Tile	Room 208 - 12x12 White				
131704610-0038	Tile				
Positive	Stop (Not Analyzed)				
A-37-Tile	Kitchen - 9x9 Brown	Brown	98.3	None	1.7% Chrysotile
131704610-0046	Speckled Tile	Non-Fibrous			
		Homogeneous			
A-37-Mastic	Kitchen - 9x9 Brown	Black	96.9	None	3.1% Chrysotile
131704610-0047	Speckled Tile Mastic	Non-Fibrous			
		Homogeneous			
A-38-Tile	Kitchen - 9x9 Brown				
131704610-0048	Speckled Tile				
Desilier					
	Stop (Not Analyzed)				
A-39-Tile	Kitchen - 9x9 Brown				
131704610-0050	Speckled Tile				
Positive	Stop (Not Analyzed)				
A-39-Mastic	Kitchen - 9x9 Brown				
A-39-Mastic 131704610-0051	Speckled Tile Mastic				
Positive	Stop (Not Analyzed)				
FMCL maintaina liabi	lity limited to cost of analysis. This re	nort relates only to the complex re	anarted and may not be reproduced	eveent in full without written enpressed	
				except in full, without written approval sibility of the client. Non-friable organ	-
a problem matrix and	therefore EMSL recommends gravim	etric reduction prior to analysis.	This report contains data that is (are) not covered by the NVLAP accreditat	ion. Samples received in good
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Samples analyzed by	/ EMSL Analytical, Inc. Woburn, MA				

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Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
A-40	West Stairwell - Tan Stair	Tan	100	None	No Asbestos Detected
131704610-0052	Tread	Non-Fibrous			
		Homogeneous			
A-41	West Stairwell - Tan Stair	Tan	100	None	No Asbestos Detected
131704610-0053	Tread	Non-Fibrous			
		Homogeneous			
A-42	West Stairwell - Tan Stair	Tan	100	None	No Asbestos Detected
131704610-0054	Tread	Non-Fibrous			
		Homogeneous			
A-43	Room 210 - 2'x2' Black Tile	Green	100	None	No Asbestos Detected
131704610-0055		Fibrous			
		Homogeneous			
A-44	Room 210 - 2'x2' Black Tile	Green	100	None	No Asbestos Detected
131704610-0056		Fibrous			
		Homogeneous			
A-45	Room 210 - 2'x2' Black Tile	Green	100	None	No Asbestos Detected
131704610-0057		Fibrous			
		Homogeneous			
A-46	Room 210A - Brown Cove	Brown	100	None	No Asbestos Detected
131704610-0058	Base	Non-Fibrous			
		Homogeneous			
A-47	Room 210A - Brown Cove	Brown	100	None	No Asbestos Detected
131704610-0059	Base	Non-Fibrous			
		Homogeneous			
A-48	Room 210A - Brown Cove	Brown	100	None	No Asbestos Detected
131704610-0060	Base	Non-Fibrous			
		Homogeneous			
A-52	Room 104 (IT Room) -	Brown	100	None	No Asbestos Detected
131704610-0064	Brown Linoleum	Fibrous			
		Homogeneous			
A-53	Room 104 (IT Room) -	Brown	100	None	No Asbestos Detected
131704610-0065	Brown Linoleum	Fibrous	100	NONE	
		Homogeneous			
A-54	Room 104 (IT Room) -	Brown	100	None	No Asbestos Detected
A-54 131704610-0066	Brown Linoleum	Fibrous	100	NOILE	
131704010-0000					
		Homogeneous			

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Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
A-55 131704610-0067	Room 103 - Ceiling Glue Daub	Brown Non-Fibrous Homogeneous	99.1	0.85 Fibrous_Other	No Asbestos Detected
A-56 131704610-0068	Room 108 - Ceiling Glue Daub	Brown Non-Fibrous Homogeneous	99.2	0.83 Fibrous_Other	No Asbestos Detected
A-57 131704610-0069	Room 113 - Ceiling Glue Daub	Brown Non-Fibrous Homogeneous	99.1	0.87 Fibrous_Other	No Asbestos Detected
A-58-Tile 131704610-0070	Room 108 - 9x9 Brown Speckled Tile	Beige Non-Fibrous Homogeneous	100	None	No Asbestos Detected
A-58-Mastic 131704610-0071	Room 108 - 9x9 Brown Speckled Tile Mastic	Black Non-Fibrous Homogeneous	98.7	None	1.3% Chrysotile
A-59-Tile 131704610-0072	Room 109 - 9x9 Brown Speckled Tile	Tan Non-Fibrous Homogeneous	95.1	None	4.9% Chrysotile
A-59-Mastic 131704610-0073	Room 109 - 9x9 Brown Speckled Tile Mastic				
Positive	Stop (Not Analyzed)				
A-60-Tile 131704610-0074	Room 110 - 9x9 Brown Speckled Tile				
Positive	Stop (Not Analyzed)				
A-60-Mastic 131704610-0075	Room 110 - 9x9 Brown Speckled Tile Mastic				
Positive	Stop (Not Analyzed)				
A-61-Tile 131704610-0076	Room 104 - 9x9 Red Speckled Tile	Red Non-Fibrous Homogeneous	100	None	No Asbestos Detected
A-61-Mastic 131704610-0077	Room 104 - 9x9 Red Speckled Tile Mastic	White Non-Fibrous Homogeneous	100	None	No Asbestos Detected

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Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
A-62-Tile 131704610-0078	Room 104 - 9x9 Red Speckled Tile	Red Non-Fibrous Homogeneous	100	None	No Asbestos Detected
A-62-Mastic 131704610-0079	Room 104 - 9x9 Red Speckled Tile Mastic	Brown Non-Fibrous Homogeneous	100	None	No Asbestos Detected
A-63-Tile 131704610-0080	Room 104 - 9x9 Red Speckled Tile	Red Non-Fibrous Homogeneous	100	None	No Asbestos Detected
A-63-Mastic 131704610-0081	Room 104 - 9x9 Red Speckled Tile Mastic	Brown Non-Fibrous Homogeneous	100	None	No Asbestos Detected
A-67 131704610-0085	Room 103 - White Linoleum w/Black Backing	White Fibrous Homogeneous	99.0	0.99 Glass	No Asbestos Detected
A-68 131704610-0086	Room 103 - White Linoleum w/Black Backing	White Fibrous Homogeneous	98.8	1.2 Glass	No Asbestos Detected
A-69 131704610-0087	Room 103 - White Linoleum w/Black Backing	White Fibrous Homogeneous	98.7	1.3 Glass	No Asbestos Detected
A-73 131704610-0091	Room 115 - Faux Wood Glue Daub	Brown Non-Fibrous Homogeneous	92.3	None	7.7% Chrysotile
A-74 131704610-0092	Room 114 - Faux Wood Glue Daub				
Positive	Stop (Not Analyzed)				
A-75 131704610-0093	Room 114 - Faux Wood Glue Daub				
Positive	Stop (Not Analyzed)				
A-76 131704610-0094	Room 117/Utility Closet - Gray Speckled Linoleum	Gray Fibrous Homogeneous	98.2	1.8 Glass	No Asbestos Detected
A-77 131704610-0095	Room 117/Utility Closet - Gray Speckled Linoleum	Gray Fibrous Homogeneous	98.7	1.3 Glass	No Asbestos Detected

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. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. This report contains data that is (are) not covered by the NVLAP accreditation. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Woburn, MA

Initial report from: 10/24/2017 17:18:15



Nobis Engineering, Inc.

18 Chenell Drive

Concord, NH 03301

EMSL Order: 131704610 Customer ID: NOBI50 Customer PO: Project ID:

 Phone:
 (603) 224-4182

 Fax:
 (603) 224-2507

 Received Date:
 10/10/2017 8:56 AM

 Analysis Date:
 10/24/2017

 Collected Date:
 10/03/2017

Project: 80108.14

Attention: Karl Karlsson

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
A-78 131704610-0096	Room 117/Utility Closet - Gray Speckled Linoleum	Gray Fibrous Homogeneous	98.7	1.3 Glass	No Asbestos Detected
4-79-Tile 131704610-0097	Room B02 - Light Brown Speckled 9x9 Tile	Tan Non-Fibrous Homogeneous	96.5	None	3.5% Chrysotile
A-80-Tile 131704610-0099	Room B04 - Light Brown Speckled 9x9 Tile				
Positive	Stop (Not Analyzed)				
A-81-Tile 131704610-0101	Room B05 - Light Brown Speckled 9x9 Tile				
Positive	Stop (Not Analyzed)				
A-82 131704610-0103	Room B01 - 9x9 Green Speckled Tile	Green Non-Fibrous Homogeneous	100	None	No Asbestos Detected
A-83 131704610-0104	Room B01 - 9x9 Green Speckled Tile	Green Non-Fibrous Homogeneous	100	None	No Asbestos Detected
4-84 131704610-0105	Room B01 - 9x9 Green Speckled Tile	Green Non-Fibrous Homogeneous	100	None	No Asbestos Detected
4-85 131704610-0106	Eastern Stairwell - Off-White Linoleum	Gray/White Fibrous Homogeneous	98.7	1.3 Glass	No Asbestos Detected
A-86 131704610-0107	Eastern Stairwell - Off-White Linoleum	Gray/White Fibrous Homogeneous	98.7	1.3 Glass	No Asbestos Detected
4-87 131704610-0108	Eastern Stairwell - Off-White Linoleum	Gray/White Fibrous Homogeneous	98.4	1.6 Glass	No Asbestos Detected
A-88 131704610-0109	Eastern Staircase - Brown Linoleum Insert 2'x1'	Brown Fibrous Homogeneous	100	None	No Asbestos Detected
A-89 131704610-0110	Eastern Staircase - Brown Linoleum Insert 2'x1'	Brown Fibrous Homogeneous	100	None	No Asbestos Detected

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA

Initial report from: 10/24/2017 17:18:15



EMSL Order: 131704610 Customer ID: NOBI50 Customer PO: Project ID:

Attention: Karl Karlsson Nobis Engineering, Inc. 18 Chenell Drive Concord, NH 03301

 Phone:
 (603) 224-4182

 Fax:
 (603) 224-2507

 Received Date:
 10/10/2017 8:56 AM

 Analysis Date:
 10/24/2017

 Collected Date:
 10/03/2017

Project: 80108.14

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via EPA 600/R-93/116 section 2.3

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
A-90 131704610-0111	Eastern Staircase - Brown Linoleum Insert 2'x1'	Brown Fibrous Homogeneous	100	None	No Asbestos Detected
A-91 131704610-0112	East Staircase - Off-White Stair Tread	Beige Non-Fibrous Homogeneous	100	None	No Asbestos Detected
A-92 131704610-0113	East Staircase - Off-White Stair Tread	Beige Non-Fibrous Homogeneous	100	None	No Asbestos Detected
A-93 131704610-0114	East Staircase - Off-White Stair Tread	Beige Non-Fibrous Homogeneous	100	None	No Asbestos Detected

Analyst(s)

Kevin Pine (50) Steve Grise (18)

- P. J

Steve Grise, Laboratory Manager or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA

Initial report from: 10/24/2017 17:18:15

	EMISL	EMSL Analytical, In 200 Route 130 North, Cinnaminso Phone/Fax: (856) 303-2500 / (84 http://www.EMSL.com	on, NJ 08077		EMSL Order: CustomerID: CustomerPO: ProjectID:	201710267 NOBI50
Attn:	Karl Karlss	son	Phone:	(603) 224-4182		
		ineering, Inc.	Fax:	(603) 224-2507	07	
	18 Chenell	•	Received:	10/10/17 10:00 /	M	
	To Onenen	DIIVE	Collected:	10/3/2017		
	Concord, N	NH 03301				
Projec	+· 80108 14					

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client Sample Descrip	tion Lab ID	Collected Analyzed	Lead Concentration
LP-1	201710267-000	01 10/3/2017 10/20/2017	0.14 % wt
	Site: Room 30	3 Wall	
LP-2	201710267-000	2 10/3/2017 10/11/2017	0.074 % wt
	Site: Room 30	3 Ceiling	
LP-3	201710267-000	3 10/3/2017 10/20/2017	0.35 % wt
	Site: Room 21	0 Wall	
LP-4	201710267-000	04 10/3/2017 10/20/2017	0.24 % wt
	Site: Room 21	0 Wall	
LP-5	201710267-000	5 10/3/2017 10/20/2017	0.27 % wt
	Site: Room 21	0 Wall	
LP-6	201710267-000	6 10/3/2017 10/20/2017	3.2 % wt
	Site: 2nd Floor	East Hallway Wall	
_P-7	201710267-000	07 10/3/2017 10/20/2017	2.5 % wt
	Site: 1st Floor	East Hallway Wall	
LP-8	201710267-000	8 10/3/2017 10/20/2017	0.55 % wt
	Site: Room 11	5 Wall	
_P-9	201710267-000	9 10/3/2017 10/12/2017	0.075 % wt
	Site: Room B0	2 Wall	
LP-10	201710267-001	0 10/3/2017 10/20/2017	0.010 % wt
	Site: Room B0	9 Wall	

fling Ou able

Phillip Worby, Lead Laboratory Manager or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 10/24/2017 09:43:26

EN	ISL sm	EMSL Analytical, Inc. 200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-0262 <u>http://www.EMSL.com</u> / <u>cinnmicrolab@emsl.com</u>		Order ID: 371722151 Customer ID: NOBI50 Customer PO: Project ID:	1
Attn:	18 Chene	gineering, Inc.	Phone: Fax: Collected: Received: Analyzed:	(603) 224-4182 (603) 224-2507 10/03/2017 10/10/2017 10/24/2017	

Proj: 80108.14

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Tape Samples (EMSL Method: M041)

Lab Sample Number:		371722151-0002	371722151-0003	371722151-0004	371722151-0005
Client Sample ID:	M1	M2	M3	M4	M5
Sample Location:	Room 308 Dry Wall / Joint Compoound	Room 210 Plaster Wall	Room 210 Wallpaper	Room 210 East Wall	Room 114 Wood Pane
Spore Types	Category	Category	Category	Category	Category
Agrocybe/Coprinus	-	-	-	-	-
Alternaria	-	-	-	-	-
Ascospores	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-
Basidiospores	-	-	-	-	-
Bipolaris++	-	-	-	-	-
Chaetomium	-	-	-	-	-
Cladosporium	-	-	-	-	Rare
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	-	-	-	-	-
Paecilomyces	-	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis	-	-	-	-	-
Stachybotrys	-	-	-	-	-
Torula	-	-	-	-	-
Ulocladium	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Acremonium	*High*	-	-	-	-
Aspergillus	*High*	-	-	-	-
Ophiostoma/Ceratocystis	-	-	-	-	-
Penicillium	-	-	-	-	-
Fibrous Particulate	Medium	-	Rare	-	-
Hyphal Fragment	-	-	-	-	-
Insect Fragment	-	-	-	-	-
Pollen	-	-	-	-	-

Sample Comment:

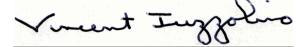
371722151-0002 None Detected

Category: Count/per area analyzed

Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

Bipolaris++ = Bipolaris/Dreschlera/Exserohilum Myxomycetes++ = Myxomycetes/Periconia/Smut * = Sample contains fruiting structures and/or hyphae associated with the spores.

No discernable field blank was submitted with this group of samples.



Vincent Iuzzolino, M.S., Laboratory Director or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC--EMLAP Accredited #100194

Initial report from: 10/24/2017 12:17:58

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

EMSL	EMSL Analytical, Inc. 200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-0262 <u>http://www.EMSL.com</u> / <u>cinnmicrolab@emsl.com</u>		Order ID: Customer ID: Customer PO: Project ID:	371722151 NOBI50
Nobis 18 Ch	arlsson Engineering, Inc. enell Drive ord, NH 03301	Phone: Fax: Collected: Received: Analyzed:	(603) 224-4182 (603) 224-2507 10/03/2017 10/10/2017 10/24/2017	

Proj: 80108.14

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Tape Samples (FMSI_Method: M041)

		371722151-0007 M7 Room 113 Sheetrock	371722151-0008 M8 Room 104 Plaster	371722151-0009 M9 Room 117 Plaster Wall	371722151-0010 M10 Room B05 Exterior Wall
Spore Types	Category	Category	Category	Category	Category
Agrocybe/Coprinus	-	-	-	-	-
Alternaria	-	Rare	-	-	-
Ascospores	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-
Basidiospores	-	-	-	-	-
Bipolaris++	-	-	-	-	-
Chaetomium	-	-	-	-	-
Cladosporium	-	-	Rare	-	-
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	Rare	-	-	-
Myxomycetes++	-	-	-	-	-
Paecilomyces	-	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis	-	-	-	-	-
Stachybotrys	Low	-	-	-	-
Torula	-	-	-	-	-
Ulocladium	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Acremonium	-	-	-	-	-
Aspergillus	*High*	-	-	-	*High*
Ophiostoma/Ceratocystis	-	-	-	-	-
Penicillium	-	-	-	-	-
Fibrous Particulate	-	Medium	-	-	-
Hyphal Fragment	-	-	-	-	-
Insect Fragment	-	-	-	-	-
Pollen	-	-	Rare	-	-

Category: Count/per area analyzed Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

Bipolaris++ = Bipolaris/Dreschlera/Exserohilum Myxomycetes++ = Myxomycetes/Periconia/Smut = Sample contains fruiting structures and/or hyphae associated with the spores.

No discernable field blank was submitted with this group of samples.

Vincent Iuzzolino, M.S., Laboratory Director or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC--EMLAP Accredited #100194

Initial report from: 10/24/2017 12:17:58

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

EN	1SL M	EMSL Analytical, Inc. 200 Route 130 North Cinnaminson, NJ 08077 Phone/Fax: (800) 220-3675 / (856) 786-0262 <u>http://www.EMSL.com</u> / <u>cinnmicrolab@emsl.com</u>		Order ID: 3717221 Customer ID: NOBI50 Customer PO: Project ID:	
Attn:	18 Chen	igineering, Inc.	Phone: Fax: Collected: Received: Analyzed:	(603) 224-4182 (603) 224-2507 10/03/2017 10/10/2017 10/24/2017	

Proj: 80108.14

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Tape Samples (EMSL Method: M041)

	from Tape Samples (EMSL Method: M041)										
Lab Sample Number:		371722151-0012	371722151-0013	371722151-0014							
Client Sample ID:	M11	M12	M13	M14							
Sample Location:	Room B02 South Exterior Wall	Room B11 Plaster Wall	Room B01 Door Frame	Room B10 Bare Studs							
Spore Types	Category	Category	Category	Category	-						
Agrocybe/Coprinus	-	-	-	-	-						
Alternaria	-	-	*High*	-	-						
Ascospores	Rare	-	-	-	-						
Aspergillus/Penicillium	-	-	-	-	-						
Basidiospores	-	-	-	-	-						
Bipolaris++	-	-	-	-	-						
Chaetomium	-	-	-	-	-						
Cladosporium	*High*	-	*High*	-	-						
Curvularia	-	-	-	-	-						
Epicoccum	-	-	-	-	-						
Fusarium	-	-	-	-	-						
Ganoderma	-	-	-	-	-						
Myxomycetes++	-	-	-	-	-						
Paecilomyces	-	-	-	-	-						
Rust	-	-	-	-	-						
Scopulariopsis	-	-	-	-	-						
Stachybotrys	-	-	-	-	-						
Torula	-	-	-	-	-						
Ulocladium	-	-	-	-	-						
Unidentifiable Spores	-	-	-	-	-						
Zygomycetes	-	-	-	-	-						
Acremonium	-	-	-	-	-						
Aspergillus	-	-	-	*High*	-						
Ophiostoma/Ceratocystis	-	-	-	Low	-						
Penicillium	-	*High*	-	-	-						
Fibrous Particulate	-	-	-	-	-						
Hyphal Fragment	-	-	-	-	-						
Insect Fragment	-	-	-	-	-						
Pollen	-	-	-	-	-						
	•										

Category: Count/per area analyzed Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

Vment Juggol

No discernable field blank was submitted with this group of samples.

= Sample contains fruiting structures and/or hyphae associated with the spores.

Bipolaris++ = Bipolaris/Dreschlera/Exserohilum Myxomycetes++ = Myxomycetes/Periconia/Smut

Vincent Iuzzolino, M.S., Laboratory Director or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC--EMLAP Accredited #100194

Initial report from: 10/24/2017 12:17:58

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com Test Report DEVER1-7.30.1 Printed: 10/24/2017 12:17:58PM



Eastern Analytical, Inc.

professional laboratory and drilling services

Tim Andrews Nobis Engineering 18 Chenell Drive Concord, NH 03301



Subject: Laboratory Report

Eastern Analytical, Inc. ID: 174408 Client Identification: Millinocket Mill Administration | 80108.14 Date Received: 10/9/2017

Dear Mr. Andrews :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

- Solid samples are reported on a dry weight basis, unless otherwise noted
- < : "less than" followed by the reporting limit
- > : "greater than" followed by the reporting limit
- %R:%Recovery

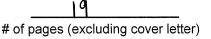
Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,



EAI ID#: 174408

Client: Nobis Engineering

Client Designation: Millinocket Mill Administration | 80108.14

Temperature upon receipt (°C): Acceptable temperature range (°C): 0-6		emperature upon receipt (°C): 0.0			Received on ice or cold packs (Yes/No): Y			
Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix		Exceptions/Comments (other than thermal preservation)		
174408.01	PCB-1A	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.02	PCB-1B	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.03	PCB-1C	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.04	PCB-2A	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.05	PCB-2B	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.06	PCB-2C	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.07	PCB-3A	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.08	PCB-3B	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.09	PCB-3C	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.1	PCB-4A	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.11	PCB-4B	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.12	PCB-4C	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.13	PCB-5A	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.14	PCB-5B	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.15	PCB-5C	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.16	PCB-6A	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.17	PCB-6B	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.18	PCB-6C	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.19	PCB-7A	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.2	PCB-7B	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.21	PCB-7C	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		
174408.22	PCB-8A	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy		

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitability, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis. Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983

2) Standard Methods for Examination of Water and Wastewater, 20th Edition, 1998 and 22nd Edition, 2012

3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB

4) Hach Water Analysis Handbook, 2nd edition, 1992

Eastern Analytical, Inc.

SAMPLE CONDITIONS PAGE

EAI ID#: 174408

Client: Nobis Engineering

Client Designation: Millinocket Mill Administration | 80108.14

-	ture upon receipt (°C): temperature range (°C): 0-6	0.0	0.0		eceived	on ice or cold packs (Yes/No): Υ
Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
174408.23	PCB-8B	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.24	PCB-8C	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.25	PCB-9A	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.26	PCB-9B	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.27	PCB-9C	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.28	PCB-10A	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.29	PCB-10B	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.3	PCB-10C	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.31	PCB-11A	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.32	PCB-11B	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.33	PCB-11C	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.34	PCB-12A	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.35	PCB-12B	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.36	PCB-12C	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.37	PCB-13A	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.38	PCB-13B	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.39	PCB-13C	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.4	PCB-14A	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.41	PCB-14B	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.42	PCB-14C	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.43	PCB-15A	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy
174408.44	PCB-15B	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitability, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983

2) Standard Methods for Examination of Water and Wastewater, 20th Edition, 1998 and 22nd Edition, 2012

3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB

4) Hach Water Analysis Handbook, 2nd edition, 1992

SAMPLE CONDITIONS PAGE

EAI ID#: 174408

Client: Nobis Engineering

Client Designation: Millinocket Mill Administration | 80108.14

-	ture upon receipt (°C): (temperature range (°C): 0-6	D.0	Received on ice or cold packs (Yes/No): Y				
Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)	
174408.45	PCB-15C	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy	
174408.46	PCB-16A	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy	
174408.47	PCB-16B	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy	
174408.48	PCB-16C	10/9/17	10/3/17	solid	100.0	Adheres to Sample Acceptance Policy	

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitability, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983

2) Standard Methods for Examination of Water and Wastewater, 20th Edition, 1998 and 22nd Edition, 2012

3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB

4) Hach Water Analysis Handbook, 2nd edition, 1992

Client: Nobis Engineering

Client Designation: Millinocket Mill Administration | 80108.14

Sample ID:	PCB-1A	PCB-1B	PCB-1C	PCB-2A	PCB-2B	PCB-2C	PCB-3A
Lab Sample ID:	174408.01	174408.02	174408.03	174408.04	174408.05	174408.06	174408.07
Matrix:	solid						
Date Sampled:	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17
Date Received:	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17
% Solid:	100	100	100	100	100	100	100
Units:	mg/kg						
Date of Extraction/Prep:	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17
Date of Analysis:	10/10/17	10/10/17	10/10/17	10/10/17	10/10/17	10/10/17	10/10/17
Analyst:	SG						
Extraction Method:	3540C						
Analysis Method:	8082A						
Dilution Factor:	29	· 28	29	30	29	29	30
PCB-1016	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1221	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1232	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1242	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1248	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	13
PCB-1254	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	5.2
PCB-1260	16	13	27	49	37	21	< 0.5
PCB-1262	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1268	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TMX (surr)	70 %R	69 %R	65 %R	79 %R	81 %R	79 %R	70 %R
DCB (surr)	92 %R	97 %R	90 %R	90 %R	97 %R	92 %R	78 %R

Acid clean-up was performed on the samples and associated batch QC. Detection limits elevated in response to the lower initial mass used for analysis. A lower initial mass was used due to the nature of the sample matrix.

Deviations from the Report:

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PCB-1A	Parameter:	PCB-1260	Date of Analysis:	10/10/2017	Dilution Factor:	58
PCB-1B	Parameter:	PCB-1260	Date of Analysis:	10/10/2017	Dilution Factor:	56
PCB-1C	Parameter:	PCB-1260	Date of Analysis:	10/10/2017	Dilution Factor:	118
PCB-2A	Parameter:	PCB-1260	Date of Analysis:	10/10/2017	Dilution Factor:	150
PCB-2B	Parameter:	PCB-1260	Date of Analysis:	10/10/2017	Dilution Factor:	147
PCB-2C	Parameter:	PCB-1260	Date of Analysis:	10/10/2017	Dilution Factor:	118
PCB-3A	Parameter:	PCB-1248	Date of Analysis:	10/10/2017	Dilution Factor:	60

Client: Nobis Engineering

Client Designation: Millinocket Mill Administration | 80108.14

Sample ID:	PCB-3B	PCB-3C	PCB-4A	PCB-4B	PCB-4C	PCB-5A	PCB-5B
Lab Sample ID:	174408.08	174408.09	174408.1	174408.11	174408.12	174408.13	174408.14
Matrix:	solid	solid	solid	solid	solid	solid	solid
Date Sampled:	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17
Date Received:	10/9/17 ·	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17
% Solid:	100	100	100	100	100	100	100
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17
Date of Analysis:	10/10/17	10/10/17	10/10/17	10/10/17	10/10/17	10/10/17	10/10/17
Analyst:	SG	SG	SG	SG	SG	SG	SG
Extraction Method:	3540C	3540C	3540C	3540C	3540C	3540C	3540C
Analysis Method:	8082A	8082A	8082A	8082A	8082A	8082A	8082A
Dilution Factor:	30	28	30	29	57	28	29
PCB-1016	< 0.5	< 0.5	< 0.5	< 0.5	< 0.9	< 0.5	< 0.5
PCB-1221	< 0.5	< 0.5	< 0.5	< 0.5	< 0.9	< 0.5	< 0.5
PCB-1232	< 0.5	< 0.5	< 0.5	< 0.5	< 0.9	< 0.5	< 0.5
PCB-1242	< 0.5	< 0.5	< 0.5	< 0.5	< 0.9	< 0.5	< 0.5
PCB-1248	< 0.5	< 0.5	< 0.5	< 0.5	< 0.9	8.8	8.1
PCB-1254	6.8	7.7	3.9	4.3	8.6	4.7	7.0
PCB-1260	2.1	2.4	< 0.5	< 0.5	< 0.9	< 0.5	< 0.5
PCB-1262	< 0.5	< 0.5	< 0.5	< 0.5	< 0.9	< 0.5	< 0.5
PCB-1268	< 0.5	< 0.5	< 0.5	< 0.5	< 0.9	< 0.5	< 0.5
TMX (surr)	83 %R	88 %R	67 %R	65 %R	66 %R	80 %R	104 %R
DCB (surr)	78 %R	75 %R	71 %R	67 %R	70 %R	82 %R	83 %R

Acid clean-up was performed on the samples and associated batch QC. Detection limits elevated in response to the lower initial mass used for analysis. A lower initial mass was used due to the nature of the sample matrix. PCB-4C: Detection limits elevated due to higher than normal final extract volume.

LABORATORY REPORT

EAI ID#: 174408

Client: Nobis Engineering

Client Designation: Millinocket Mill Administration | 80108.14

Sample ID:	PCB-5C	PCB-6A	PCB-6B	PCB-6C	PCB-7A	PCB-7B	PCB-7C
Lab Sample ID:	174408.15	174408.16	174408.17	174408.18	174408.19	174408.2	174408.21
Matrix:	solid	solid	solid	solid	solid	solid	solid
Date Sampled:	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17
Date Received:	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17
Units:	ˈmg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	10/9/17	10/9/17	10/9/17	10/9/17	10/10/17	10/10/17	10/10/17
Date of Analysis:	10/10/17	10/10/17	10/10/17	10/10/17	10/11/17	10/11/17	10/11/17
Analyst:	SG	SG	SG	SG	SG	SG	SG
Method:	8082A	8082A	8082A	8082A	8082A	8082A	8082A
Dilution Factor:	30	30	29	29	30	30	28
PCB-1016	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1221	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1232	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1242	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1248	4.5	3.0	3.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1254	4.6	4.4	6.0	5.9	8.9	6.8	9.8
PCB-1260	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1262	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1268	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TMX (surr)	81 %R	73 %R	79 %R	74 %R	78 %R	79 %R	96 %R
DCB (surr)	81 %R	83 %R	84 %R	77 %R	86 %R	84 %R	88 %R

Acid clean-up was performed on the samples and associated batch QC. Detection limits elevated in response to the lower initial mass used for analysis. A lower initial mass was used due to the nature of the sample matrix.

Deviations from the Report:

PCB-7C Parameter: PCB-1254 Date of Analysis: 10/12/2017 Dilution Factor: 57

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LABORATORY REPORT

EAI ID#: 174408

Client: Nobis Engineering

Client Designation: Millinocket Mill Administration | 80108.14

Sample ID:	PCB-8A	PCB-8B	PCB-8C	PCB-9A	PCB-9B	PCB-9C	PCB-10A
Lab Sample ID:	174408.22	174408.23	174408.24	174408.25	174408.26	174408.27	174408.28
Matrix:	solid	solid	solid	solid	solid	solid	solid
Date Sampled:	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17
Date Received:	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17
% Solid:	100	100	100	100	100	100	100
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	10/10/17	10/10/17	10/10/17	10/10/17	10/10/17	10/10/17	10/10/17
Date of Analysis:	10/11/17	10/11/17	10/11/17	10/11/17	10/11/17	10/11/17	10/11/17
Analyst:	SG	SG	SG	SG	SG	SG	SG
Extraction Method:	3540C	3540C	3540C	3540C	3540C	3540C	3540C
Analysis Method:	8082A	8082A	8082A	8082A	8082A	8082A	8082A
Dilution Factor:	29	28	29	29	30	29	29
PCB-1016	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1221	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1232	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1242	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1248	< 0.5	< 0.5	4.3	3.0	2.6	3.0	· < 0.5
PCB-1254	2.5	3.5	3.2	2.8	2.7	4.0	6.0
PCB-1260	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1262	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1268	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TMX (surr) DCB (surr)	74 [°] %R 95 %R	82 %R 91 %R	77 %R 91 %R	78 %R 94 %R	86 %R 101 %R	83 %R 103 %R	77 %R 105 %R

Acid clean-up was performed on the samples and associated batch QC. Detection limits elevated in response to the lower initial mass used for analysis. A lower initial mass was used due to the nature of the sample matrix.

LABORATORY REPORT

EAI ID#: 174408

Client: Nobis Engineering

Client Designation: Millinocket Mill Administration | 80108.14

Sample ID:	PCB-10B	PCB-10C	PCB-11A	PCB-11B	PCB-11C	PCB-12A	PCB-12B
Lab Sample ID:	174408.29	174408.3	174408.31	174408.32	174408.33	174408.34	174408.35
Matrix:	solid	solid	solid	solid	solid	solid	solid
Date Sampled:	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17
Date Received:	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17
% Solid:	100	100	100	100	100	100	100
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	10/10/17	10/10/17	10/10/17	10/10/17	10/10/17	10/10/17	10/10/17
Date of Analysis:	10/11/17	10/11/17	10/11/17	10/11/17	10/11/17	10/11/17	10/11/17
Analyst:	SG	SG	SG	SG	SG	SG	SG
Extraction Method:	3540C	3540C	3540C	3540C	3540C	3540C	3540C
Analysis Method:	8082A	8082A	8082A	8082A	8082A	8082A	8082A
Dilution Factor:	30	29	30	30	30	29	28
PCB-1016	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1221	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1232	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1242	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1248	< 0.5	< 0.5	< 5	3.9	4.8	< 0.5	3.6
PCB-1254	3.2	3.9	< 5	3.7	4.7	3.4	7.2
PCB-1260	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	3.9
PCB-1262	< 0.5	< 0.5	< 5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1268	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TMX (surr)	77 %R	66 %R	75 %R	78 %R	76 %R	77 %R	68 %R
DCB (surr)	95 %R	91 %R	92 %R	96 %R	91 %R	96 %R	85 %R

Acid clean-up was performed on the samples and associated batch QC. Detection limits elevated in response to the lower initial mass used for analysis. A lower initial mass was used due to the nature of the sample matrix.

PCB-11A: PCB-1242, PCB-1248, PCB-1254, PCB-1260, and PCB-1262: detection limits elevated due to non-target interference.

LABORATORY REPORT

EAI ID#: 174408

Client: Nobis Engineering

Client Designation: Millinocket Mill Administration | 80108.14

Sample ID:	PCB-12C	PCB-13A	PCB-13B	PCB-13C	PCB-14A	PCB-14B	PCB-14C
Lab Sample ID:	174408.36	174408.37	174408.38	174408.39	174408.4	174408.41	174408.42
Matrix:	solid	solid	solid	solid	solid	solid	solid
Date Sampled:	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17
Date Received:	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17
% Solid:	100	100	100	100	100	100	100
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	10/10/17	10/10/17	10/10/17	10/10/17	10/10/17	10/10/17	10/10/17
Date of Analysis:	10/11/17	10/11/17	10/11/17	10/11/17	10/11/17	10/11/17	10/11/17
Analyst:	SG	SG	SG	SG	SG	SG	SG
Extraction Method:	3540C	3540C	3540C	3540C	3540C	3540C	3540C
Analysis Method:	8082A	8082A	8082A	8082A	8082A	8082A	8082A
Dilution Factor:	29	29	29	29	30	29	30
				0.5	o =		
PCB-1016 PCB-1221	< 0.5 < 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1221 PCB-1232	< 0.5	< 0.5 < 0.5	< 0.5 < 0.5	. < 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5
PCB-1242	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 8.4	< 0.5 4.7	< 0.3 13
PCB-1242 PCB-1248	< 0.5 < 0.5	< 0.5 9	< 0.5 5.5	< 0.5 5.3	0.4 < 0.5	4.7 < 0.5	د ا < 0.5
PCB-1254	44	11	6.3	5.3	< 0.5 2.7	1.5	< 0.5 5.5
PCB-1260	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1262	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1268	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TMX (surr)	75 %R	86 %R	76 %R	77 %R	84 %R	82 %R	74 %R
DCB (surr)	92 %R	91 %R	74 %R	82 %R	88 %R	96 %R	74 %R

Acid clean-up was performed on the samples and associated batch QC. Detection limits elevated in response to the lower initial mass used for analysis. A lower initial mass was used due to the nature of the sample matrix.

Deviations from the Report:

PCB-12C	Parameter: PCB-1254	Date of Analysis: 10/12/2017	Dilution Factor:	289
PCB-13A	Parameter: PCB-1248	Date of Analysis: 10/12/2017	Dilution Factor:	59
PCB-13A	Parameter: PCB-1254	Date of Analysis: 10/12/2017	Dilution Factor:	59
PCB-14C	Parameter: PCB-1242	Date of Analysis: 10/12/2017	Dilution Factor:	60
PCB-14C	Parameter: PCB-1254	Date of Analysis: 10/12/2017	Dilution Factor:	60

LABORATORY REPORT

EAI ID#: 174408

Client: Nobis Engineering

Client Designation: Millinocket Mill Administration | 80108.14

Sample ID:	PCB-15A	PCB-15B	PCB-15C	PCB-16A	PCB-16B	PCB-16C
Lab Sample ID:	174408.43	174408.44	174408.45	174408.46	174408.47	174408.48
Matrix:	solid	solid	solid	solid	solid	solid
Date Sampled:	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17	10/3/17
Date Received:	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17	10/9/17
% Solid:	100	100	100	100	100	100
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	10/10/17	10/10/17	10/10/17	10/10/17	10/10/17	10/10/17
Date of Analysis:	10/11/17	10/11/17	10/11/17	10/11/17	10/11/17	10/11/17
Analyst:	SG	SG	SG	SG	SG	SG
Extraction Method:	3540C	3540C	3540C	3540C	3540C	3540C
Analysis Method:	8082A	8082A	8082A	8082A	8082A	8082A
Dilution Factor:	29	29	29	29	29	30
PCB-1016	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1221	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1232	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1242	< 0.5	6.5	< 0.5	6.4	6.3	15
PCB-1248	7.0	< 0.5	3.6	< 0.5	< 0.5	< 0.5
PCB-1254	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1260	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1262	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
PCB-1268	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
TMX (surr)	69 %R	70 %R	77 %R	78 %R	80 %R	67 %R
DCB (surr)	86 %R	82 %R	93 %R	94 %R	101 %R	83 %R

Acid clean-up was performed on the samples and associated batch QC. Detection limits elevated in response to the lower initial mass used for analysis. A lower initial mass was used due to the nature of the sample matrix. Deviations from the Report:

PCB-16C Parameter: PCB-1242 Date of Analysis: 10/12/2017 Dilution Factor: 60

QC REPORT

EAI ID#: 174408

Client: Nobis Engineering

Batch ID: 636431-58675/S100917PCB1

Client Designation: Millinocket Mill Administration | 80108.14

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
PCB-1016	< 0.02	0.12 (91 %R)	0.13 (95 %R) (5 RPD) 10/10/2017	mg/kg	40 - 140	30	8082A
PCB-1221	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A) 10/10/2017	mg/kg			8082A
PCB-1232	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A) 10/10/2017	mg/kg			8082A
PCB-1242	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A) 10/10/2017	mg/kg			8082A
PCB-1248	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A) 10/10/2017	mg/kg			8082A
PCB-1254	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A) 10/10/2017	mg/kg			8082A
PCB-1260	< 0.02	0.13 (100 %R)	0.14 (105 %R) (5 RPD) 10/10/2017	mg/kg	40 - 140	30	8082A
PCB-1262	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A) 10/10/2017	mg/kg			8082A
PCB-1268	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A) 10/10/2017	mg/kg			8082A
TMX (surr)	88 %R	89 %R	91 %F	R 10/10/2017	% Rec	30 - 150	30	8082A
DCB (surr)	106 %R	104 %R	106 %F	R 10/10/2017	% Rec	30 - 150	30	8082A

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted.

*/! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted below, flagged analytes that exceed acceptance limits in the Quality Control sample were not detected in the field samples.

QC REPORT

EAI ID#: 174408

Client: Nobis Engineering

Batch ID: 636431-58878/S100917PCB2

Client Designation: Millinocket Mill Administration | 80108.14

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
PCB-1016	< 0.02	0.12 (93 %R)	0.12 (92 %R) (1 RPD) 10/10/2017	mg/kg	40 - 140	30	8082A
PCB-1221	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A) 10/10/2017	mg/kg			8082A
PCB-1232	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A) 10/10/2017	mg/kg			8082A
PCB-1242	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A) 10/10/2017	mg/kg			8082A
PCB-1248	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A) 10/10/2017	mg/kg			8082A
PCB-1254	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A) 10/10/2017	mg/kg			8082A
PCB-1260	< 0.02	0.13 (100 %R)	0.14 (101 %R) (1 RPD) 10/10/2017	mg/kg	40 - 140	30	8082A
PCB-1262	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A) 10/10/2017	mg/kg			8082A
PCB-1268	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A) 10/10/2017	mg/kg			8082A
TMX (surr)	87 %R	86 %R	89 %F	R 10/10/2017	% Rec	30 - 150	30	8082A
DCB (surr)	104 %R	101 %R	103 %F	R 10/10/2017	% Rec	30 - 150	30	8082A

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted.

*/! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted below, flagged analytes that exceed acceptance limits in the Quality Control sample were not detected in the field samples.

EAI ID#: 174408

Client: Nobis Engineering

Batch ID: 636432-44203/S101017PCB1

Client Designation: Millinocket Mill Administration | 80108.14

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
PCB-1016	< 0.02	0.13 (94 %R)	0.13 (96 %R) (2 RPD) 10/11/2017	mg/kg	40 - 140	30	8082A
PCB-1221	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A)) 10/11/2017	mg/kg			8082A
PCB-1232	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A)) 10/11/2017	mg/kg			8082A
PCB-1242	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A)) 10/11/2017	mg/kg			8082A
PCB-1248	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A)) 10/11/2017	mg/kg			8082A
PCB-1254	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A)) 10/11/2017	mg/kg			8082A
PCB-1260	< 0.02	0.14 (101 %R)	0.14 (103 %R) (2 RPD)) 10/11/2017	mg/kg	40 - 140	30	8082A
PCB-1262	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A)) 10/11/2017	mg/kg			8082A
PCB-1268	< 0.02	< 0.02 (%R N/A)	< 0.02 (%R N/A) (RPD N/A)) 10/11/2017	mg/kg			8082A
TMX (surr)	90 %R	89 %R	92 %F	R 10/11/2017	% Rec	30 - 150	30	8082A
DCB (surr)	103 %R	106 %R	108 %F	R 10/11/2017	% Rec	30 - 150	30	8082A

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted.

*/! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted below, flagged analytes that exceed acceptance limits in the Quality Control sample were not detected in the field samples.

		R)	GREEN: PROJECT MANAGER)	green: Pr	WHITE: ORIGINAL	2		professional laboratory and drilling services	
ANALYTICAL.COM	25 Chenell Drive Concord, NH 03301 Tel: 603.228.0525 1.800.287.0525 E-Mail: CustomerService@EasternAnalytical.com www.EasternAnalytical.com	.: CUSTOMERSERVICE@EASTI	0.287.0525 E-MAI)3.228.0525 1.80	CORD, NH 03301 TEL: 60	CHENELL DRIVE CON		M Eastern Analytical, Inc.	
	FIELD READINGS:	RECEIVED BY:	Time: Reci	Date:	RELINQUISHED BY:				
-	SUSPECTED CONTAMINATION:						P0 #:	QUOTE #:	
		RECEIVED BY:	TIME: RECI	Date:	RELINQUISHED BY:		FIELD OR OTHER:	GWP, OIL FUND, BROWNFREND OR OTHER:	
							POTW STORMWATER OR	REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR	
		RECEIVED BY:	IME (RO	DATE:	REUNOIISHED BY-		VT OTHER:	STATE: NH MA	
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g Info, If Different)	NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)				Õ	EXT.:	-	PHONE: 603-224-4182	
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						ng Water;	1; SW-Surface Water; DW-Drinki	MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER;	
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MEOH VIAL #	REACTIVE CYANI FLASHPOINT TOTAL COLIFOR FECAL COLIFOR ENTEROCOCCI HETEROTROPHIC # OF CONTAIN	pH T. Res COD Phen Total Cyanide	TOTAL METALS TS TSS Br CI NO ₂ NO ₃	PEST 608 PEST 8081 OIL & GREASE TCLP 1311 VOC PEST DISSOLVED ME	ABN A TPH8100 8015 DRO	GRAB 524.2 524.2 BTEX 8260 624 1, 4 DIOXANE	INDICATE BOTH Start & Finish Date / Time	SAMPLE I.D.	
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		NE TOC DOC AL SULFIDE	ELOW) Spec. Con. D4 NO2	608 BDBD TPH 1664 METALS B ST. RELOWD	EDB DBCP PAH L2 H		Sampling Date / Time		
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	174408		CORD	STODY RE	CHAIN-OF-CUSTODY RECORD	8			

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25 Chenell Drive Concord, NH 03301 Tel: 603.228.0525 I.800.287.0525 E-Mail: CustomerService@EasternAnalytical.com www.EasternAnalytical.com (WHITE: Original: GREEN: Project Manager)	fernAnalytical.com	il:: CustomerService@Eas: err)	228.0525 1.800.287.0525 E-MAIL: (GREEN: Project Manager)	28.0525 I.8 3 REEN: P	TEL: 603.2	NCORD, NH 03301 TEL:	DNCORD, I		ENELL [25 CH	d drilling services	professional laboratory and drilling services	
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A 13 PP Fe, MN Pb, Cu	METALS: 8 RCRA	TEMP. O.O. °C	ゴイト	relevent	DATE NEEDED: Stran	R	DAT			<u>.</u>	Dorews	ANAGER: 72.17	
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# of Containers MEOH Vial #	Flashpoint Ignitabi	BOD CBOD T. TKN NH3 T. P1 PH T. Res. Chlorin COD Phenols 1 Total Cyanide Totai	DISSOLVED METALS (LIS TOTAL METALS (LIST BE TS TSS TDS Br CI F SO NO2 NO3 NO3N	OIL & GREASE 1664 TCLP 1311 ABN VOC PEST HERE	8015 DRO MAEPH Pest 608 PCB Pest 8081 \$208	8270 625 SVTICs		524.2 524.2 BTEX 524.2 8260 624 VTI 1, 4 Dioxane	Grab/*Co	ΎГ,,, Матrix (sei	*IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	SAMPLE I.D.	
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属こうの	FOR LAB USE ONLY		ECORD	CHAIN-OF-CUSTODY RECORD	-Cust	NN-OF	CHA					C	

professional laboratory and drilling services	Retorn Analy	Quote #:	REGULATORY PROGRAM: NUPDES: RGP POIW STORMWATER OR GWP, OIL FUND, BROWNEED OR OTHER:	STATE: NH MA ME		CITE NAME BUILT of Low to Million	313	18 cher	in line	PROJECT MANAGER-	Matnix: A-Air; S-Soil; GW-Ground Water; SW-Surface Water; WW-Waste water Preservative: H-HCL; N-HNO3; S-H2SO4; Na-NaOH; M-MEOH		PCB-9C	PCB-93	728-9A	PCB-BC	PLB-813	P23-811	PC3-70	84-226	PCB-74	SAMPLE I.D.			Page 3 of b
		P0 #:	P POIW STORMWATER OR NEELD-OR OTHER:	VT OTHER:	A erine and the r	h tologicon	EXT.:	STATE: AUA	iverity, Iac.	ANDROINE	ER; SW-SURFACE WATER; DW-DRINKING WATER; Na-NaOH; M-MEOH	11				-	10/2/17,0820	12/3/17,08/5	10/3/17,0805	10/3/17,0800 1	10/3/17, 0755 0 G	SAMPLING START / TIME NDICATE BOTH START & FINISH DATE / TIME MATRIX (SEE BELOW) GRAB/*COMPOSITE		Bold Fields	1
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GREEN: PROJECT MANAGER)	2 0575 1 2000 397 0575 E MAIL. CHEROMERCI	DATE: TIME: RECEIVED RV.	Date: Time: Received By:	Darte: Time: Received By:	CARESSON A		ELECTRONIC OPTIONS	i	ITEMP													OIL & GREASE I664 TPH I664 TCLP I311 ABN Metals VOC PEST HERB Metals DISSOLVED METALS (LIST BELOW) TOTAL METALS (LIST BELOW) TS TSS TDS SPEC. CON. BR CI F SO4. NO2 NO3 NO3 NO2 BOD CBOD T. ALK. TKN NH3 T. PHOS. O. PHOS. pH T. RES. CHLORINE MINOR MINOR MINOR MINOR	TELP METALS INORGAN	DIRCLE REQUESTED ANALYSIS.	DDY RECORD
(WHITE: ORIGINAL GREEN: PROJECT MANAGER)		SUSPECTED CONTAMINATION:	Site History:		K		NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)		D NO OTHER METALS:	METALS: 8 RCRA 13 PP FE MM PR CH												COD PHENOLS TOC DOC TOTAL CYANIDE TOTAL SULFIDE REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY TOTAL COLIFORM E. COLI FECAL COLIFORM ENTEROCOCCI HETEROTROPHIC PLATE COUNT # OF CONTAINERS			For LAB UF ONLY / THHOS

	_		AGER)	GREEN: PROJECT MANAGER)	N: PROJ	GREE	INAL	(WHITE: ORIGINAL	WHIT	_			drilling services		
ternAnalytical.com	25 CHENELL DRIVE CONCORD, NH 03301 TEL: 603.228.0525 1.800.287.0525 E-MAIL: CUSTOMERSERVICE@EASTERNANALYTICAL.COM WWW.EASTERNANALYTICAL.COM	RSERVICE@EASTERNA	MAIL: CUSTOME	87.0525 E-	5 1.800.2	3.228.052	Tel: 60	JH 03301	NCORD, 7		ENELL D	25 CH	Analytical, Inc.	M Eastern Analy	
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# of Containe MEOH VIAL #	TOTAL COLIFORM Fecal Coliform Enterococci Heterotrophic	pH T. Res. COD Phenc Total Cyanide Reactive Cyanid Flashpoint	NO ₂ NO ₃ BOD CBOD TKN NH3	TOTAL METALS TS TSS Br CI I	TCLP 1311 VOC PEST DISSOLVED MET	PEST 608 PEST 8081 OIL & GREASE	8015 DRO	ABN A	8021 BTE 8015 GRO	524.2 BTEX 8260 624 1, 4 DIOXANE		Matrix	Indicate Both Start & Finish Date / Time	SAMPLE I.D.	
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7		ř	UESTED ANALYSIS		Please Circle Req		PLEAS		REQUI	BOLD FIELDS REQUIRED.	5			Page of	
JULIA	For Lab Use Only ; 7C			ord	CHAIN-OF-CUSTODY RECORD	TODY	n Cu	N-OF	CHA						

Pige	professional laboratory and drilling services	Eastern Analytical, Inc.	Quote #:	GWP, OLL FUND, RECEIPTION ON OTHER:	STATE NH MA	$\mathcal{O}(\mathcal{O})$	SITE NAME: Mineuleer M	Forlowwood	FAX: 603-224-250	114-	18 Cheste	PROJECT MANAGER: Tom Ang COMPANY: 2026-13 Ener	PRESERVATIVE: H-HCL; N-HNO3; S-H2SO4; Na-NaOH; M-MEOH	Matrix: A-Air; S-Soil; GW-Ground Watei WW-Waste water		PCB-15-C	PCB-1573	PCB-157A	PCB-146	PCB-141B	PLB-14A	PCB-13C	PCB-13B	PCB- 13A	SAMPLE I.D.			Page 5 of 6	•
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Relinquished By: Date: Time: Received By: Suspected Contamination: Relinquished By: Date: Time: Received By: Suspected Contamination: 25 Chenell Drive Concord, NH 03301 Tel: 603.228.0525 I.800.287.0525 E-Mail: CustomersService@EasternAnalytical.com Www.EasternAnalytical.com	FIELD READINGS:	Y: Y: TOMERSERVICE@EAS	Received By: Received By: E-Mail:: Custa	TIME: TIME: 800.287.0525	DATE: TIME: RECEIVE DATE: TIME: RECEIVE 228.0525 1.800.287.0525 E-MAIL: C CREEN: PROJECT MANAGER)	3γ: 3γ: Tel: 603.2	RELINQUISHED BY: RELINQUISHED BY: DNCORD, NH 03301 TEL:	Concord, 1		25 CHENE	or OTHER: PO #: cal, Inc. <i>lling services</i>	GWP, OIL FUND, BACTANHED OR OTHER:	QUOTE #:
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						2				INKING WAT	-Surface Water; DW-D 20H; M-MEOH	W-Ground Water; r 1N03; S-H2SO4; Na-	Matrix: A-Ai WW Preservative:
						<u> </u>					10/3/17, 11/5-	16C	PCB-
									•	-125 G.	10/3/17/1/20	1614 10	PCB-
# of Containers MEOH VAL #	REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY TOTAL COLIFORM E. COLI FECAL COLIFORM ENTEROCOCCI HETEROTROPHIC PLATE COUNT	TKN NH3 T. Phos. O. Phos. pH T. Res. Chlorine COD Phenols TOC DOC Total Cyanide Total Sulfide	BR CI F SO4 NO2 NO3 NO3NO2	DISSOLVED METALS (LIST BELOW) TOTAL METALS (LIST BELOW) TS TSS TDS SPEC. CON.	OIL & GREASE 1664 TPH 1664	8015 DRO MAEPH Pest 608 pcb <u>6</u> 08	8270 625 SVTICs EDB DBCP ABN A BN PAH TPH8100 LI L2	I, 4 DIOXANE 8021 BTEX HALOS 8015 GRO MAVPH	524.2 524.2 BTEX 524.2 MTBE ONLY 8260 624 VTICs	Matrix (see below) Grab/*Composite	SAMPLING DATE / TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE / TIME	SAMPLE I.D.	S
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For LAB USE ONLY / KL408	For LA	×610		RCORD	CHAIN-OF-CUSTODY RECO			CHAIN-Q				$\frac{b}{b}$	Page