



May 12, 2017

Mr. Redi Karameto
 Seattle Parks and Recreation
 800 Maynard Avenue South, 3rd Floor
 Seattle, Washington 98134

Re: Asbestos and lead survey.
 Lake City Community Center building, Seattle.

Dear Redi:

On Tuesday, May 2, 2017, a survey was conducted of the Lake City Community Center building located at 12531 – 28th Avenue NE in Seattle. Future plans call for renovation of the east and west bathroom areas, and the northeast entry area. The purpose of this survey was to identify asbestos-containing materials within these select areas.

ASBESTOS SURVEY

A total of 29 samples were collected from the subject to-be-renovated areas of the building and analyzed for asbestos content (sample numbers 1 through 29) (Figures 1 through 3). Asbestos analytical results are attached as Appendix A and summarized below in Table 1.

Table 1. Asbestos analytical results. Lake City Community Center building. May 2, 2017.

Sample Number	Location/Description	Asbestos Content (%)
1	East area. Men’s bathroom. Ceramic floor tile mortar material over a concrete floor. Typical in both bathrooms.	ND
2	East area. Janitor’s closet. Two layers of sheet vinyl flooring/mastics over a concrete floor.	ND top sheet vinyl/mastic 35 bottom sheet vinyl/mastic

Figure 1. Approximate asbestos sampling locations. East area. Lake City Community Center building. May 2, 2017.

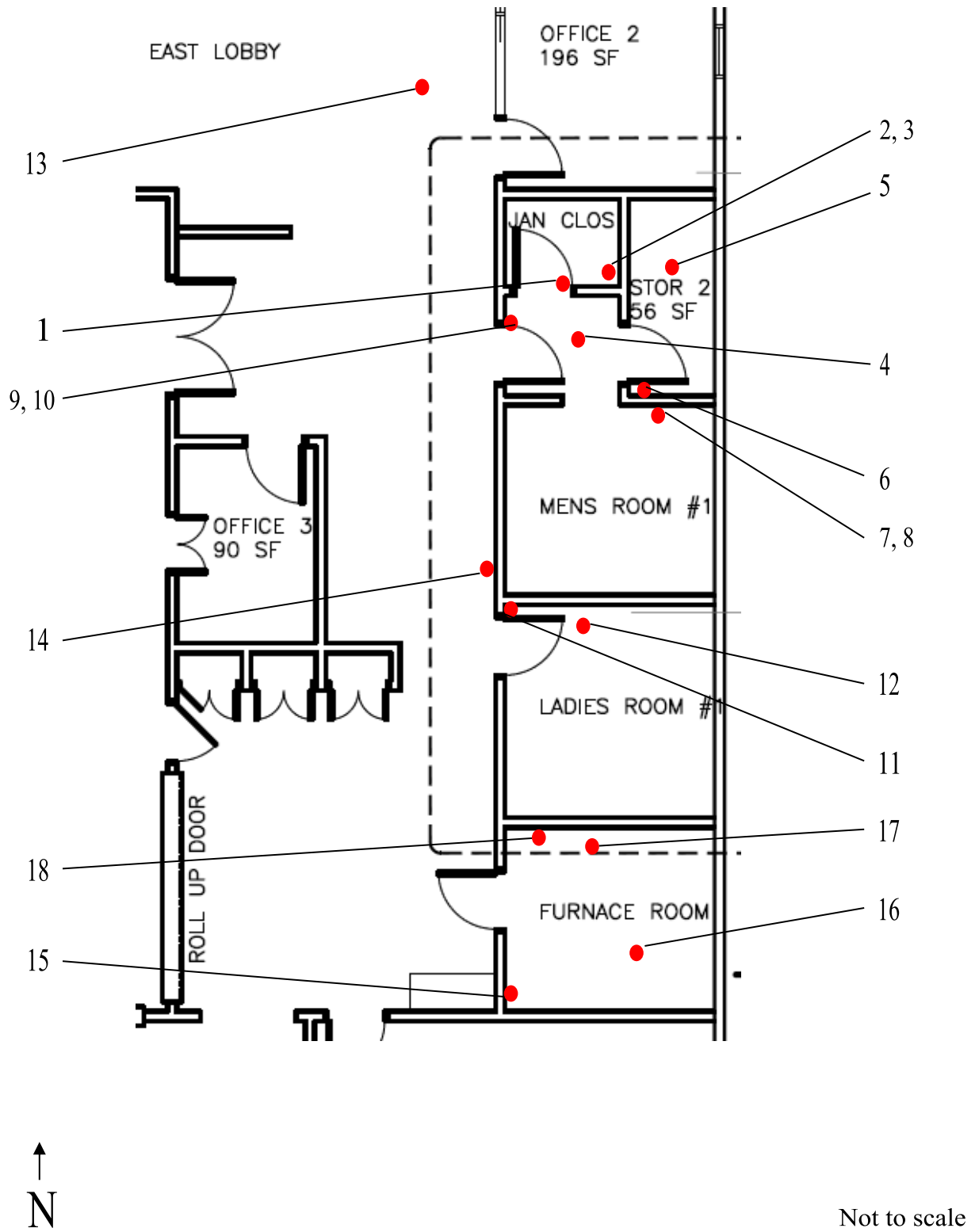
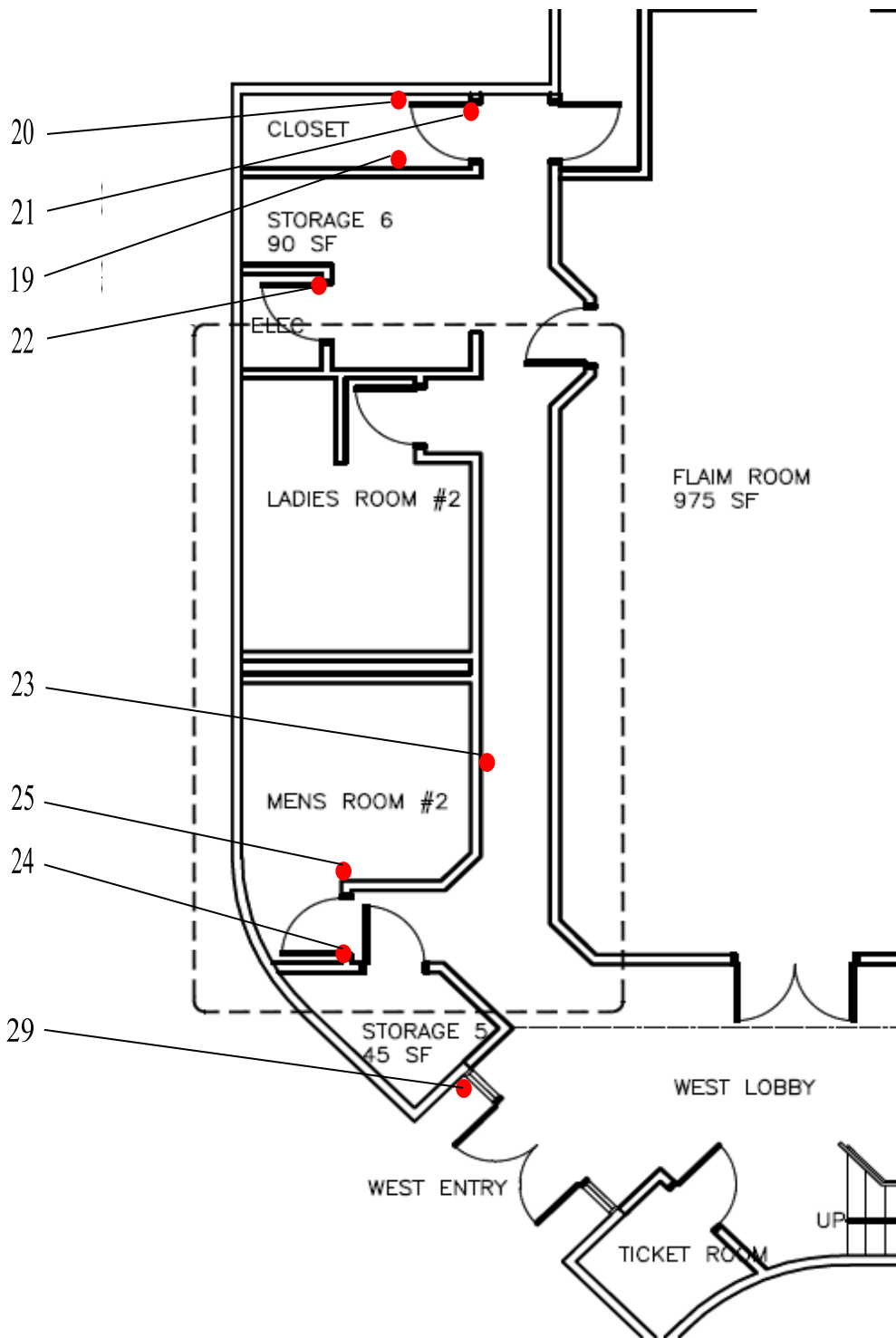


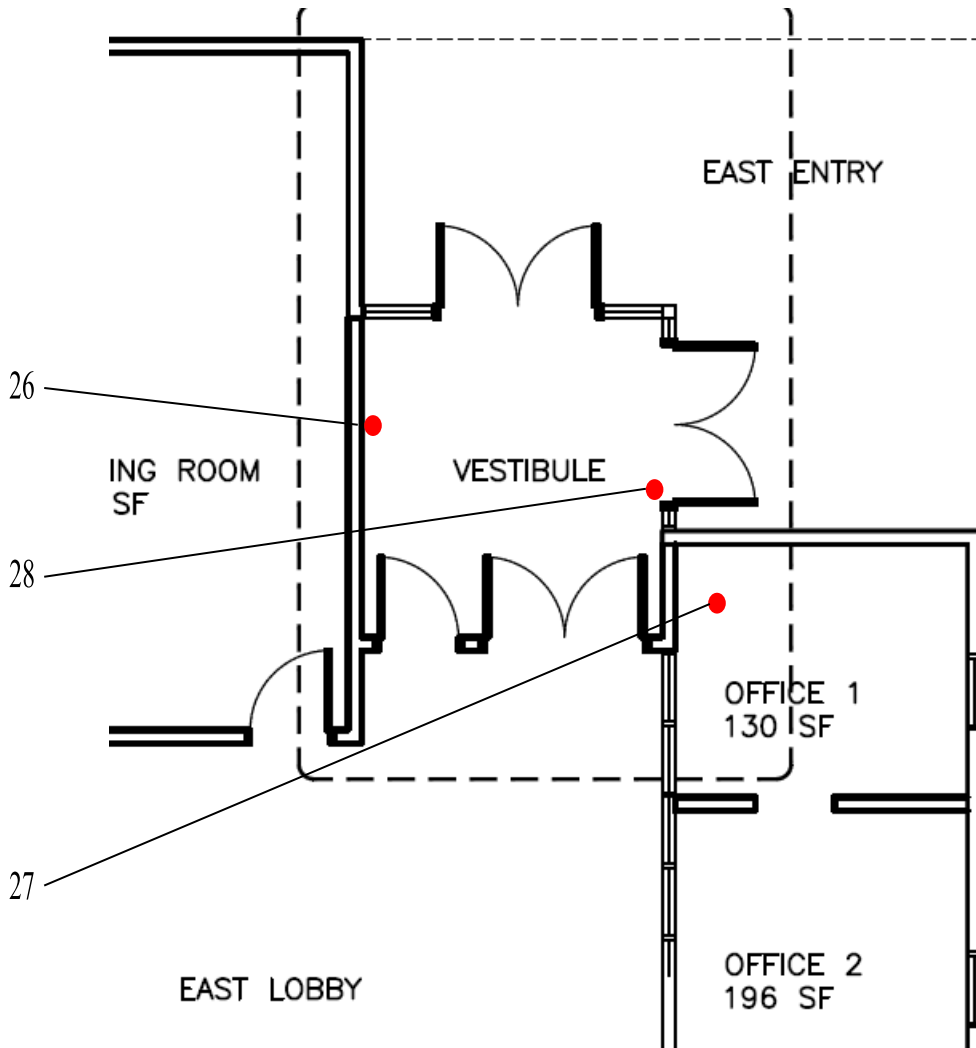
Figure 2. Approximate asbestos sampling locations. West area. Lake City Community Center building. May 2, 2017.



Not to scale



Figure 3. Approximate asbestos sampling locations. Northeast entry area. Lake City Community Center building. May 2, 2017.



Not to scale



Table 1 (continued). Asbestos analytical results. Lake City Community Center building. May 2, 2017.

Sample Number	Location/Description	Asbestos Content (%)
3	East area. Janitor's closet. Brown cove base mastic.	ND
4	East area. Men's bathroom. Ceiling tile (nailed).	ND
5	East area. Storage room. 9-by-9-inch floor tile with black mastic over a concrete floor.	5 floor tile ND mastic
6	East area. Storage room. Mastic between pressboard wall material and sheetrock wall. All beneath plastic wall panels.	ND
7	East area. Men's bathroom. Mastic beneath plastic wall panels.	ND
8	East area. Men's bathroom. Ceramic cove base tile mortar material.	ND
9	East area. Men's bathroom. Wall sheetrock with taping mud. No texture.	ND
10	East area. Men's bathroom. Mastic between pressboard wall material and concrete cinder block wall.	ND
11	East area. Women's bathroom. Wall sheetrock with taping mud. No texture. Similar to sample number 9 noted above.	ND sheetrock <1 taping mud
12	East area. Women's bathroom. Suspended ceiling tile. Typical in both bathrooms.	ND
13	East area. Hallway. 9-by-9-inch floor tile with black mastic over a concrete floor.	3 floor tile ND mastic
14	East area. Hallway. Cove base mastic over concrete cinder block wall.	ND
15	East area. Furnace room. Wall sheetrock with taping mud. No texture.	ND
16	East area. Furnace room. Boiler insulation material.	20
17	East area. Furnace room. Vibration damper cloth material between section of metal HVAC ducts.	ND
18	East area. Furnace room. Concrete cinder block wall and mortar material.	ND



Table 1 (continued). Asbestos analytical results. Lake City Community Center building. May 2, 2017.

Sample Number	Location/Description	Asbestos Content (%)
19	West area. Storage room. Ceiling sheetrock with texture material.	ND
20	West area. Storage room. Texture material on concrete cinder block wall.	ND
21	West area. Storage room. Ceramic floor tile mortar material over a concrete floor.	ND
22	West area. Electrical room. Wall sheetrock with taping mud. No texture.	ND sheetrock <1 taping mud
23	West area. Hallway. Composite of wall and ceiling texture material on sheetrock.	ND
24	West area. Men's bathroom. Ceramic floor tile mortar material over a concrete floor.	ND
25	West area. Men's bathroom. Wall sheetrock with texture material. Similar to sample number 19 noted above.	ND
26	Northeast area. Entrance. Mastic over a concrete floor. All beneath carpet tiles.	ND
27	Northeast area. Office #1. Floor tile with mastic over a concrete floor. All beneath carpet tiles and 2 layers of carpet (nailed).	3 floor tile ND mastic
28	Northeast area. Entrance. Brick wall and mortar material.	ND
29	West area. Entrance. Sealant material between wood window trim and glass pane.	ND

ND Asbestos was not detected in the sample.

<1 Asbestos was detected in the sample at a concentration that is less than 1%.

From Table 1, asbestos was detected in the following building materials:

East Area:

- Janitor's closet. Bottom layer of sheet vinyl flooring/mastic (not top layer of sheet vinyl/mastic) over a concrete floor (sample number 2). An estimated 24 square feet total in this area.



- Storage room. 9-by-9-inch floor tile (not tile mastic) over a concrete floor (sample number 5). An estimated 57 square feet total in this area.
- Hallway. 9-by-9-inch floor tile (not tile mastic) over a concrete floor (sample number 13). Throughout this hallway area.
- Furnace room. Boiler insulation material (sample number 16). An estimated 3.5-feet in diameter by 6 feet in height.
- Office #1. Floor tile (not tile mastic) over a concrete floor (sample number 27). All beneath carpet tiles and 2 layers of carpet (nailed). Throughout this office area.

The asbestos materials noted above must be properly removed and disposed of by a licensed asbestos abatement contractor prior to any demolition activity that may disturb the materials.

Other:

Asbestos was detected in the sheetrock taping mud (not sheetrock) used in various areas of the building (sample numbers 11 and 22), but at concentrations that are less than 1%. Overall, all sheetrock taping mud in the building should be considered as containing less than 1% asbestos content.

Materials that contain <1% asbestos generally do not have to be removed by an asbestos abatement contractor prior to any renovation or demolition activities that may disturb the material. A general contractor can perform this work. However, Labor & Industries (L&I) requires that many of the same worker protection measures be taken (respirator, taping off the work area, keeping the material wet during removal, air monitoring, etc.) when working with this material as though it contains >1% asbestos. Therefore and at a minimum, workers must have asbestos awareness training (an approximate 8-hour class) prior to working with this type of asbestos material.

There was no asbestos detected in other samples collected from the subject areas of the building. There were no other obvious suspect asbestos materials noted with these areas during the time of this survey.

LEAD SAMPLING

A total of 6 samples were collected from the building and analyzed for total lead content (samples L1 through L6). Lead analytical results are attached as Appendix B and summarized below in Table 2.



Table 2. Lead analytical results. Lake City Community Center building. May 2, 2017.

Sample	Location/Description	Lead Content (ppm)	Lead Standard (ppm)
L1	East area. Composite of wall and ceiling paint in men's and women's bathrooms.	2,750	5,000 (EPA/HUD) >0 (L&I)
L2	East area. Composite of paint on old wood ceiling in men's and women's bathrooms.	4,770	5,000 (EPA/HUD) >0 (L&I)
L3	East area. Composite of paint on concrete cinder block walls.	270	5,000 (EPA/HUD) >0 (L&I)
L4	West area. Composite of wall and ceiling paint.	ND(100)	5,000 (EPA/HUD) >0 (L&I)
L5	Northeast area. Entrance. Composite of wall and ceiling paint.	560	5,000 (EPA/HUD) >0 (L&I)
L6	Exterior. Composite of paint on concrete cinder block walls.	2,330	5,000 (EPA/HUD) >0 (L&I)

ND(100) Not detected at the analytical detection limit of 100 parts-per-million (ppm).

EPA (United States Environmental Protection Agency) and HUD (United States Department of Housing and Urban Development) consider paint to be lead-containing (regulated) if it has an analytical lab result of 5,000 ppm or greater. The Washington State Department of Labor and Industries (L&I) considers a material to be lead-containing (regulated) if it has any detectable concentration of lead (>0 ppm).

From Table 2, lead was detected in the east interior wall and ceiling paint and in the exterior body paint at concentrations that are above the L&I threshold but not the EPA/HUD standard (sample L1, L2, L3, L5 and L6).

For any demolition activity involving lead-containing materials, a contractor should be used that has had lead-awareness training at a minimum. Because the lead concentrations are not above the EPA/HUD standard, it is not necessary to use a contractor that has been certified under the Renovation, Repair and Painting (RRP) training requirements.

Also, contractors and other personnel who may come into contact with lead-containing materials should be notified of its existence and location.

There was no lead detected in the wall and ceiling paint used in the west interior area of the building (sample L4). This area of the building is reportedly newer in construction.



LIMITATIONS

This survey was conducted using reasonable efforts to identify asbestos materials within the building. However, without demolishing the structure, some materials may exist in unforeseen or inaccessible areas. As a result, it is recommended that an asbestos building inspector or other competent person be available onsite during renovation to ensure no asbestos materials exist in areas or materials not identified herein.

This report is subject to the terms and conditions of our standard consultant agreement.

It was a pleasure assisting you with this project. Please call me if you have any questions.

Sincerely,

ECO COMPLIANCE CORPORATION

Bill Kane

Bill Kane

AHERA Building Inspector, certification number 157489, expires June 1, 2017

bill@ecocompliance.biz

Attachments



APPENDIX A
ASBESTOS ANALYTICAL RESULTS





Laboratory & Consulting Services, Inc.

NOVO Laboratory & Consulting, Inc.

138 SW 154th Street
Burien, WA 98166

Office: (206) 244-1060 Fax: (206) 244-1063

Bulk Asbestos Analysis Report

Page 1

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» CLIENT

CLIENT ID 1014.01	CLIENT Eco Compliance	CONTACT BILL KANE
JOB ID LC	JOB Project	

» BULK SAMPLE BATCH

BATCH ID 117-1294	CLIENT PO	SAMPLING DATE 5-02-17	SAMPLES TAKEN BY Client
DATE RECD 5-02-17	SAMPLES SUBMITTED 29	SAMPLES ANALYZED 29	SAMPLES NOT ANALYZED
		SAMPLES NOT REVIEWED	DATE REVD 5-02-17
REVIEWED BY Crystal Wright			

BATCH ANALYSIS SUMMARY

CAUTION 7 of the analyzed layers contained identifiable asbestos.

» SAMPLE 117-1294 / 1

CLIENT ID 1	CLIENT DESCRIPTION	LOCATION
LAB DESCRIPTION Misc	ANALYZED BY Crystal Wright	ANALYSIS DATE 05-04-17
STATUS Analyzed		

SAMPLE ANALYSIS SUMMARY

No identifiable asbestos was detected in this sample.

» LAYER 1

Coating on red hard material

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

» LAYER 2

Gold/white hard material

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

» SAMPLE 117-1294 / 2

CLIENT ID 2	CLIENT DESCRIPTION	LOCATION
LAB DESCRIPTION Misc	ANALYZED BY Crystal Wright	ANALYSIS DATE 05-04-17
STATUS Analyzed		

SAMPLE ANALYSIS SUMMARY

CAUTION Asbestos was detected in this sample.

» LAYER 1

Tan/white pebbled vinyl with gray fibrous backing

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Asbestos Fibrous	Cellulose	40%
Non-Fibrous	Filler and Binder	60%

CAUTION
ASBESTOS
DETECTED

» LAYER 2

Off-white vinyl with gray fibrous backing and mastic

LAYER NOTE: Unable to separate the mastic from the backing

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Asbestos Fibrous	Chrysotile	35%
Non-Fibrous	Filler and Binder	65%

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» CLIENT		
CLIENT ID	CLIENT	CONTACT
1014.01	Eco Compliance	BILL KANE
JOB ID	JOB	
LC	Project	

» BULK SAMPLE BATCH						
BATCH ID	CLIENT PO	SAMPLING DATE		SAMPLES TAKEN BY		
117-1294		5-02-17		Client		
DATE RECD	SAMPLES SUBMITTED	SAMPLES ANALYZED	SAMPLES NOT ANALYZED	SAMPLES NOT REVIEWED	DATE REV'D	REVIEWED BY
5-02-17	29	29			5-02-17	Crystal Wright
BATCH ANALYSIS SUMMARY						
CAUTION 7 of the analyzed layers contained identifiable asbestos.						

» SAMPLE 117-1294 / 3			
CLIENT ID	CLIENT DESCRIPTION	LOCATION	
3			
LAB DESCRIPTION	ANALYZED BY	ANALYSIS DATE	STATUS
Misc	Crystal Wright	05-04-17	Analyzed
SAMPLE ANALYSIS SUMMARY			
No identifiable asbestos was detected in this sample.			

» LAYER 1		
Brown mastic		
COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

» SAMPLE 117-1294 / 4			
CLIENT ID	CLIENT DESCRIPTION	LOCATION	
4			
LAB DESCRIPTION	ANALYZED BY	ANALYSIS DATE	STATUS
Misc	Crystal Wright	05-04-17	Analyzed
SAMPLE ANALYSIS SUMMARY			
No identifiable asbestos was detected in this sample.			

» LAYER 1		
White paint on tan fibrous compressed material		
COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Asbestos Fibrous	Cellulose	97%
Non-Fibrous	Filler and Binder	3%

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» CLIENT

CLIENT ID 1014.01	CLIENT Eco Compliance	CONTACT BILL KANE
JOB ID LC	JOB Project	

» BULK SAMPLE BATCH

BATCH ID 117-1294	CLIENT PO	SAMPLING DATE 5-02-17	SAMPLES TAKEN BY Client
DATE RECD 5-02-17	SAMPLES SUBMITTED 29	SAMPLES ANALYZED 29	SAMPLES NOT ANALYZED
SAMPLES NOT REVIEWED		DATE REVD 5-02-17	REVIEWED BY Crystal Wright

BATCH ANALYSIS SUMMARY

CAUTION 7 of the analyzed layers contained identifiable asbestos.

» SAMPLE 117-1294 / 5

CLIENT ID 5	CLIENT DESCRIPTION	LOCATION
LAB DESCRIPTION Misc	ANALYZED BY Crystal Wright	ANALYSIS DATE 05-04-17
STATUS Analyzed		

SAMPLE ANALYSIS SUMMARY

CAUTION Asbestos was detected in this sample.

CAUTION
ASBESTOS
DETECTED

» LAYER 1

Green floor tile with streaks

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Asbestos Fibrous	Chrysotile	5%
Non-Fibrous	Filler and Binder	95%

» LAYER 2

Black asphaltic mastic

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Asphalt Filler and Binder	100%

» LAYER 3

Gray hard chunk

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

» SAMPLE 117-1294 / 6

CLIENT ID 6	CLIENT DESCRIPTION	LOCATION
LAB DESCRIPTION Misc	ANALYZED BY Crystal Wright	ANALYSIS DATE 05-04-17
STATUS Analyzed		

SAMPLE ANALYSIS SUMMARY

No identifiable asbestos was detected in this sample.

» LAYER 1

Gold brittle mastic

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

» LAYER 2

Coating on tan papery material

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	15%
Non-Asbestos Fibrous	Cellulose	85%

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» CLIENT		
CLIENT ID	CLIENT	CONTACT
1014.01	Eco Compliance	BILL KANE
JOB ID	JOB	
LC	Project	

» BULK SAMPLE BATCH						
BATCH ID	CLIENT PO	SAMPLING DATE	SAMPLES TAKEN BY			
117-1294		5-02-17	Client			
DATE RECD	SAMPLES SUBMITTED	SAMPLES ANALYZED	SAMPLES NOT ANALYZED	SAMPLES NOT REVIEWED	DATE REV'D	REVIEWED BY
5-02-17	29	29			5-02-17	Crystal Wright
BATCH ANALYSIS SUMMARY						
CAUTION 7 of the analyzed layers contained identifiable asbestos.						

» SAMPLE 117-1294 / 7				
CLIENT ID	CLIENT DESCRIPTION	LOCATION		
7				
LAB DESCRIPTION	ANALYZED BY	ANALYSIS DATE	STATUS	
Misc	Crystal Wright	05-04-17	Analyzed	
SAMPLE ANALYSIS SUMMARY				
No identifiable asbestos was detected in this sample.				

» LAYER 1		
Off-white brittle material		
COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

» SAMPLE 117-1294 / 8				
CLIENT ID	CLIENT DESCRIPTION	LOCATION		
8				
LAB DESCRIPTION	ANALYZED BY	ANALYSIS DATE	STATUS	
Misc	Crystal Wright	05-04-17	Analyzed	
SAMPLE ANALYSIS SUMMARY				
No identifiable asbestos was detected in this sample.				

» LAYER 1		
Gray hard material		
COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

» SAMPLE 117-1294 / 9				
CLIENT ID	CLIENT DESCRIPTION	LOCATION		
9				
LAB DESCRIPTION	ANALYZED BY	ANALYSIS DATE	STATUS	
Misc	Crystal Wright	05-04-17	Analyzed	
SAMPLE ANALYSIS SUMMARY				
No identifiable asbestos was detected in this sample.				

» LAYER 1		
Paint on tan papery material with white powder		
COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Asbestos Fibrous	Cellulose	35%
Non-Fibrous	Filler and Binder	65%

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» CLIENT

CLIENT ID 1014.01	CLIENT Eco Compliance	CONTACT BILL KANE
JOB ID LC	JOB Project	

» BULK SAMPLE BATCH

BATCH ID 117-1294	CLIENT PO	SAMPLING DATE 5-02-17	SAMPLES TAKEN BY Client
DATE RECD 5-02-17	SAMPLES SUBMITTED 29	SAMPLES ANALYZED 29	SAMPLES NOT ANALYZED
		SAMPLES NOT REVIEWED	DATE REV'D 5-02-17
REVIEWED BY Crystal Wright			

BATCH ANALYSIS SUMMARY

CAUTION 7 of the analyzed layers contained identifiable asbestos.

» SAMPLE 117-1294 / 10

CLIENT ID 10	CLIENT DESCRIPTION	LOCATION
LAB DESCRIPTION Misc	ANALYZED BY Crystal Wright	ANALYSIS DATE 05-04-17
STATUS Analyzed		

SAMPLE ANALYSIS SUMMARY

No identifiable asbestos was detected in this sample.

» LAYER 1

Gold mastic

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

» LAYER 2

Gray hard coarse material

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

» SAMPLE 117-1294 / 11

CLIENT ID 11	CLIENT DESCRIPTION	LOCATION
LAB DESCRIPTION Misc	ANALYZED BY Crystal Wright	ANALYSIS DATE 05-04-17
STATUS Analyzed		

SAMPLE ANALYSIS SUMMARY

CAUTION Asbestos was detected in this sample.

CAUTION
ASBESTOS
DETECTED

» LAYER 1

Paint on white powder

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Asbestos Fibrous	Chrysotile	< 1%
Non-Fibrous	Filler and Binder	99%

» LAYER 2

Tan papery material with white powder

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Asbestos Fibrous	Cellulose	35%
Non-Fibrous	Filler and Binder	65%

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Page 8

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» CLIENT

CLIENT ID 1014.01	CLIENT Eco Compliance	CONTACT BILL KANE
JOB ID LC	JOB Project	

» BULK SAMPLE BATCH

BATCH ID 117-1294	CLIENT PO	SAMPLING DATE 5-02-17	SAMPLES TAKEN BY Client
DATE RECD 5-02-17	SAMPLES SUBMITTED 29	SAMPLES ANALYZED 29	SAMPLES NOT ANALYZED
SAMPLES NOT REVIEWED	DATE REV'D 5-02-17	REVIEWED BY Crystal Wright	

BATCH ANALYSIS SUMMARY

CAUTION 7 of the analyzed layers contained identifiable asbestos.

» SAMPLE 117-1294 / 12

CLIENT ID 12	CLIENT DESCRIPTION	LOCATION
LAB DESCRIPTION Misc	ANALYZED BY Crystal Wright	ANALYSIS DATE 05-04-17
STATUS Analyzed		

SAMPLE ANALYSIS SUMMARY

No identifiable asbestos was detected in this sample.

» LAYER 1

Paint on gray fibrous compressed material

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Asbestos Fibrous	Cellulose	40%
Non-Asbestos Fibrous	Mineral Wool	40%
Non-Fibrous	Filler and Binder	20%

» SAMPLE 117-1294 / 13

CLIENT ID 13	CLIENT DESCRIPTION	LOCATION
LAB DESCRIPTION Misc	ANALYZED BY Crystal Wright	ANALYSIS DATE 05-05-17
STATUS Analyzed		

SAMPLE ANALYSIS SUMMARY

CAUTION Asbestos was detected in this sample.

CAUTION
ASBESTOS
DETECTED

» LAYER 1

Tan flooring with streaks

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	97%
Asbestos Fibrous	Chrysotile	3%

» LAYER 2

Black asphaltic mastic

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Asphalt Filler and Binder	100%

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Bulk Asbestos Analysis Report

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» CLIENT			
CLIENT ID 1014.01	CLIENT Eco Compliance	CONTACT BILL KANE	
JOB ID LC	JOB Project		

» BULK SAMPLE BATCH							
BATCH ID 117-1294	CLIENT PO	SAMPLING DATE 5-02-17		SAMPLES TAKEN BY Client			
DATE RECD 5-02-17	SAMPLES SUBMITTED 29	SAMPLES ANALYZED 29	SAMPLES NOT ANALYZED	SAMPLES NOT REVIEWED	DATE REV'D 5-02-17	REVIEWED BY Crystal Wright	
BATCH ANALYSIS SUMMARY							
CAUTION 7 of the analyzed layers contained identifiable asbestos.							

» SAMPLE 117-1294 / 14							
CLIENT ID 14	CLIENT DESCRIPTION				LOCATION		
LAB DESCRIPTION Misc				ANALYZED BY Crystal Wright	ANALYSIS DATE 05-05-17	STATUS Analyzed	
SAMPLE ANALYSIS SUMMARY							
No identifiable asbestos was detected in this sample.							

» LAYER 1		
Brown brittle mastic		
COMPOSITION CATEGORY Non-Fibrous	FIBER TYPE Filler and Binder	PERCENTAGE 100%

» LAYER 2		
Gray hard material		
COMPOSITION CATEGORY Non-Fibrous	FIBER TYPE Filler and Binder	PERCENTAGE 100%

» SAMPLE 117-1294 / 15							
CLIENT ID 15	CLIENT DESCRIPTION				LOCATION		
LAB DESCRIPTION Misc				ANALYZED BY Crystal Wright	ANALYSIS DATE 05-05-17	STATUS Analyzed	
SAMPLE ANALYSIS SUMMARY							
No identifiable asbestos was detected in this sample.							

» LAYER 1		
Paint on off-white powder		
COMPOSITION CATEGORY Non-Fibrous	FIBER TYPE Filler and Binder	PERCENTAGE 100%

» LAYER 2		
Tan papery material with white powder		
COMPOSITION CATEGORY Non-Asbestos Fibrous	FIBER TYPE Cellulose	PERCENTAGE 40%
Non-Fibrous	Filler and Binder	60%

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» CLIENT

CLIENT ID 1014.01	CLIENT Eco Compliance	CONTACT BILL KANE
JOB ID LC	JOB Project	

» BULK SAMPLE BATCH

BATCH ID 117-1294	CLIENT PO	SAMPLING DATE 5-02-17	SAMPLES TAKEN BY Client
DATE RECD 5-02-17	SAMPLES SUBMITTED 29	SAMPLES ANALYZED 29	SAMPLES NOT ANALYZED
SAMPLES NOT REVIEWED	DATE REVD 5-02-17	REVIEWED BY Crystal Wright	

BATCH ANALYSIS SUMMARY

CAUTION 7 of the analyzed layers contained identifiable asbestos.

» SAMPLE 117-1294 / 16

CLIENT ID 16	CLIENT DESCRIPTION	LOCATION
LAB DESCRIPTION Misc	ANALYZED BY Crystal Wright	ANALYSIS DATE 05-05-17
		STATUS Analyzed

SAMPLE ANALYSIS SUMMARY

CAUTION Asbestos was detected in this sample.

CAUTION
ASBESTOS
DETECTED

» LAYER 1

White fibrous powdery material

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Asbestos Fibrous	Chrysotile	20%
Asbestos Fibrous	Amosite	20%
Non-Fibrous	Filler and Binder	60%

» SAMPLE 117-1294 / 17

CLIENT ID 17	CLIENT DESCRIPTION	LOCATION
LAB DESCRIPTION Misc	ANALYZED BY Crystal Wright	ANALYSIS DATE 05-05-17
		STATUS Analyzed

SAMPLE ANALYSIS SUMMARY

No identifiable asbestos was detected in this sample.

» LAYER 1

Black pliable woven material

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Asbestos Fibrous	Glass Fiber	45%
Non-Fibrous	Filler and Binder	55%

» SAMPLE 117-1294 / 18

CLIENT ID 18	CLIENT DESCRIPTION	LOCATION
LAB DESCRIPTION Misc	ANALYZED BY Crystal Wright	ANALYSIS DATE 05-05-17
		STATUS Analyzed

SAMPLE ANALYSIS SUMMARY

No identifiable asbestos was detected in this sample.

» LAYER 1

White hard chunk

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

» LAYER 2

White coarse material

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

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Laboratory & Consulting Services, Inc.

NOVO Laboratory & Consulting, Inc.

138 SW 154th Street
Burien, WA 98166

Office: (206) 244-1060 Fax: (206) 244-1063

Bulk Asbestos Analysis Report

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» CLIENT		
CLIENT ID 1014.01	CLIENT Eco Compliance	CONTACT BILL KANE
JOB ID LC	JOB Project	

» BULK SAMPLE BATCH						
BATCH ID 117-1294	CLIENT PO	SAMPLING DATE 5-02-17	SAMPLES TAKEN BY Client			
DATE RECD 5-02-17	SAMPLES SUBMITTED 29	SAMPLES ANALYZED 29	SAMPLES NOT ANALYZED	SAMPLES NOT REVIEWED	DATE REV'D 5-02-17	REVIEWED BY Crystal Wright
BATCH ANALYSIS SUMMARY						
CAUTION 7 of the analyzed layers contained identifiable asbestos.						

» SAMPLE 117-1294 / 19						
CLIENT ID 19	CLIENT DESCRIPTION				LOCATION	
LAB DESCRIPTION Misc			ANALYZED BY Crystal Wright	ANALYSIS DATE 05-05-17	STATUS Analyzed	
SAMPLE ANALYSIS SUMMARY						
No identifiable asbestos was detected in this sample.						

» LAYER 1		
Paint on white powder		
COMPOSITION CATEGORY Non-Fibrous	FIBER TYPE Filler and Binder	PERCENTAGE 100%

» LAYER 2		
Tan papery material with white powder		
COMPOSITION CATEGORY Non-Asbestos Fibrous	FIBER TYPE Cellulose	PERCENTAGE 30%
Non-Fibrous	Filler and Binder	70%

» SAMPLE 117-1294 / 20						
CLIENT ID 20	CLIENT DESCRIPTION				LOCATION	
LAB DESCRIPTION Misc			ANALYZED BY Crystal Wright	ANALYSIS DATE 05-05-17	STATUS Analyzed	
SAMPLE ANALYSIS SUMMARY						
No identifiable asbestos was detected in this sample.						

» LAYER 1		
Paint on white powder		
COMPOSITION CATEGORY Non-Fibrous	FIBER TYPE Filler and Binder	PERCENTAGE 100%

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» CLIENT		
CLIENT ID	CLIENT	CONTACT
1014.01	Eco Compliance	BILL KANE
JOB ID	JOB	
LC	Project	

» BULK SAMPLE BATCH						
BATCH ID	CLIENT PO	SAMPLING DATE		SAMPLES TAKEN BY		
117-1294		5-02-17		Client		
DATE RECD	SAMPLES SUBMITTED	SAMPLES ANALYZED	SAMPLES NOT ANALYZED	SAMPLES NOT REVIEWED	DATE REV'D	REVIEWED BY
5-02-17	29	29			5-02-17	Crystal Wright
BATCH ANALYSIS SUMMARY						
CAUTION 7 of the analyzed layers contained identifiable asbestos.						

» SAMPLE 117-1294 / 21			
CLIENT ID	CLIENT DESCRIPTION	LOCATION	
21			
LAB DESCRIPTION	ANALYZED BY	ANALYSIS DATE	STATUS
Misc	Crystal Wright	05-05-17	Analyzed
SAMPLE ANALYSIS SUMMARY			
No identifiable asbestos was detected in this sample.			

» LAYER 1		
Tan hard material		
COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

» LAYER 2		
White hard material		
COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

» SAMPLE 117-1294 / 22			
CLIENT ID	CLIENT DESCRIPTION	LOCATION	
22			
LAB DESCRIPTION	ANALYZED BY	ANALYSIS DATE	STATUS
Misc	Crystal Wright	05-05-17	Analyzed
SAMPLE ANALYSIS SUMMARY			
CAUTION Asbestos was detected in this sample.			

» LAYER 1		
CAUTION ASBESTOS DETECTED	Paint on off-white powder	
	COMPOSITION CATEGORY	FIBER TYPE
	Non-Fibrous	Filler and Binder
	Asbestos Fibrous	Chrysotile
		PERCENTAGE
		99%
		< 1%

» LAYER 2		
Tan papery material with white powder		
COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	60%
Non-Asbestos Fibrous	Cellulose	40%

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» CLIENT		
CLIENT ID	CLIENT	CONTACT
1014.01	Eco Compliance	BILL KANE
JOB ID	JOB	
LC	Project	

» BULK SAMPLE BATCH						
BATCH ID	CLIENT PO	SAMPLING DATE	SAMPLES TAKEN BY			
117-1294		5-02-17	Client			
DATE RECD	SAMPLES SUBMITTED	SAMPLES ANALYZED	SAMPLES NOT ANALYZED	SAMPLES NOT REVIEWED	DATE REV'D	REVIEWED BY
5-02-17	29	29			5-02-17	Crystal Wright
BATCH ANALYSIS SUMMARY						
CAUTION 7 of the analyzed layers contained identifiable asbestos.						

» SAMPLE 117-1294 / 23				
CLIENT ID	CLIENT DESCRIPTION	LOCATION		
23				
LAB DESCRIPTION	ANALYZED BY	ANALYSIS DATE	STATUS	
Misc	Crystal Wright	05-05-17	Analyzed	
SAMPLE ANALYSIS SUMMARY				
No identifiable asbestos was detected in this sample.				

» LAYER 1		
Coating on powdery material		
COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

» SAMPLE 117-1294 / 24				
CLIENT ID	CLIENT DESCRIPTION	LOCATION		
24				
LAB DESCRIPTION	ANALYZED BY	ANALYSIS DATE	STATUS	
Misc	Crystal Wright	05-05-17	Analyzed	
SAMPLE ANALYSIS SUMMARY				
No identifiable asbestos was detected in this sample.				

» LAYER 1		
Tan hard material		
COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

» LAYER 2		
White hard chunk		
COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

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Bulk Asbestos Analysis Report

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» CLIENT

CLIENT ID 1014.01	CLIENT Eco Compliance	CONTACT BILL KANE
JOB ID LC	JOB Project	

» BULK SAMPLE BATCH

BATCH ID 117-1294	CLIENT PO	SAMPLING DATE 5-02-17	SAMPLES TAKEN BY Client
DATE RECD 5-02-17	SAMPLES SUBMITTED 29	SAMPLES ANALYZED 29	SAMPLES NOT ANALYZED
SAMPLES NOT REVIEWED	DATE REVD 5-02-17	REVIEWED BY Crystal Wright	

BATCH ANALYSIS SUMMARY

CAUTION 7 of the analyzed layers contained identifiable asbestos.

» SAMPLE 117-1294 / 25

CLIENT ID 25	CLIENT DESCRIPTION	LOCATION
LAB DESCRIPTION Misc	ANALYZED BY Crystal Wright	ANALYSIS DATE 05-05-17
STATUS Analyzed		

SAMPLE ANALYSIS SUMMARY

No identifiable asbestos was detected in this sample.

» LAYER 1

Paint on white powder

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

» LAYER 2

Tan papery material with white powder

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	65%
Non-Asbestos Fibrous	Cellulose	35%

» SAMPLE 117-1294 / 26

CLIENT ID 26	CLIENT DESCRIPTION	LOCATION
LAB DESCRIPTION Misc	ANALYZED BY Crystal Wright	ANALYSIS DATE 05-05-17
STATUS Analyzed		

SAMPLE ANALYSIS SUMMARY

No identifiable asbestos was detected in this sample.

» LAYER 1

Brown/gray hard material

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

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» CLIENT

CLIENT ID 1014.01	CLIENT Eco Compliance	CONTACT BILL KANE
JOB ID LC	JOB Project	

» BULK SAMPLE BATCH

BATCH ID 117-1294	CLIENT PO	SAMPLING DATE 5-02-17	SAMPLES TAKEN BY Client
DATE RECD 5-02-17	SAMPLES SUBMITTED 29	SAMPLES ANALYZED 29	SAMPLES NOT ANALYZED
		SAMPLES NOT REVIEWED	DATE REVD 5-02-17
			REVIEWED BY Crystal Wright

SAMPLE ANALYSIS SUMMARY

CAUTION 7 of the analyzed layers contained identifiable asbestos.

» SAMPLE 117-1294 / 27

CLIENT ID 27	CLIENT DESCRIPTION	LOCATION
LAB DESCRIPTION Misc	ANALYZED BY Crystal Wright	ANALYSIS DATE 05-05-17
		STATUS Analyzed

SAMPLE ANALYSIS SUMMARY

CAUTION Asbestos was detected in this sample.

CAUTION
ASBESTOS
DETECTED

» LAYER 1

Tan flooring with streaks

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	97%
Asbestos Fibrous	Chrysotile	3%

» LAYER 2

Black asphaltic mastic

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Asphalt Filler and Binder	100%

» SAMPLE 117-1294 / 28

CLIENT ID 28	CLIENT DESCRIPTION	LOCATION
LAB DESCRIPTION Misc	ANALYZED BY Crystal Wright	ANALYSIS DATE 05-05-17
		STATUS Analyzed

SAMPLE ANALYSIS SUMMARY

No identifiable asbestos was detected in this sample.

» LAYER 1

Red hard material

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

» LAYER 2

Dark gray hard material

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

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» CLIENT

CLIENT ID 1014.01	CLIENT Eco Compliance	CONTACT BILL KANE
JOB ID LC	JOB Project	

» BULK SAMPLE BATCH

BATCH ID 117-1294	CLIENT PO	SAMPLING DATE 5-02-17	SAMPLES TAKEN BY Client
DATE RECD 5-02-17	SAMPLES SUBMITTED 29	SAMPLES ANALYZED 29	SAMPLES NOT ANALYZED
		SAMPLES NOT REVIEWED	DATE REV'D 5-02-17
			REVIEWED BY Crystal Wright

BATCH ANALYSIS SUMMARY

CAUTION 7 of the analyzed layers contained identifiable asbestos.

» SAMPLE 117-1294 / 29

CLIENT ID 29	CLIENT DESCRIPTION	LOCATION
LAB DESCRIPTION Misc	ANALYZED BY Crystal Wright	ANALYSIS DATE 05-05-17
		STATUS Analyzed

SAMPLE ANALYSIS SUMMARY

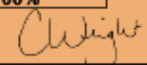
No identifiable asbestos was detected in this sample.

» LAYER 1

Black pliable material

COMPOSITION CATEGORY	FIBER TYPE	PERCENTAGE
Non-Fibrous	Filler and Binder	100%

[End of Batch]


Crystal Wright, Laboratory Supervisor

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APPENDIX B
LEAD ANALYTICAL RESULTS





9830 South 51st Street, Suite B-109 / PHOENIX, ARIZONA 85044 / 480-940-5294 or 800-362-3373 / FAX 480-893-1726
emclab@emclabs.com

LEAD (Pb) IN PAINT CHIP SAMPLES
EMC SOP METHOD #L01/1 EPA SW-846 METHOD 7420


EMC LAB #: L64485		DATE RECEIVED: 05/05/17			
CLIENT: NOVO		REPORT DATE: 05/08/17			
		DATE OF ANALYSIS: 05/08/17			
CLIENT ADDRESS: 138 SW 154 th St., #B Burien, WA 98166		P.O. NO.:			
PROJECT NAME: LC		PROJECT NO.: ECO			
EMC # L64485-	SAMPLE DATE /17	CLIENT SAMPLE #	DESCRIPTION	REPORTING LIMIT (%Pb by weight)	%Pb BY WEIGHT
1	05/03	L - 1	Lead Paint	0.010	0.275
2	05/03	L - 2	Lead Paint	0.019	0.477
3	05/03	L - 3	Lead Paint	0.010	0.027
4	05/03	L - 4	Lead Paint	0.010	BRL
5	05/03	L - 5	Lead Paint	0.010	0.056
6	05/03	L - 6	Lead Paint	0.010	0.233

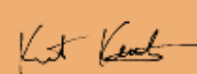
▲ = Dilution Factor Changed * = Excessive Substrate May Bias Sample Results BRL = Below Reportable Limits ⚡ = Very Small Amount Of Sample Submitted, May Affect Result

This report applies to the standards or procedures identified and to the samples tested only. The test results are not necessarily indicative or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. Unless otherwise noted, all quality control analyses for the samples noted above were within acceptable limits.

Where it is noted that a sample with excessive substrate was submitted for laboratory analysis, such analysis may be biased. The lead content of such sample may, in actuality, be greater than reported. EMC makes no warranty, express or implied, as to the accuracy of the analysis of samples noted to have been submitted with excessive substrate. Resampling is recommended in such situations to verify original laboratory results.

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ANALYST: 
Jason Thompson

QA COORDINATOR: 
Kurt Kettler

Rev. 11/30/08

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