

# Addendum #1



## Capital Project Committee

Project Information	
Project Name:	CITY OF GREELEY BELLVUE WATER TREATMENT PLANT OPERATOR RESIDENCE REMODEL
Bid Number:	FL20-01-011
Date:	January 29, 2020
Project Manager:	PETER CHAMPION
Addendum Items	
Item 1:	Abatement Testing Reports
Item 2:	
Item 3:	
Item 4:	
Item 5:	
Item 6:	
Item 7:	
Item 8:	
Item 9:	
Item 10:	
Item 11:	
Item 12:	
Item 13:	
Item 14:	
Item 15:	

## WEECYCLE ENVIRONMENTAL CONSULTING, INC.

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1208 Commerce Court, Unit B  
Lafayette, Colorado 80026  
(303) 413-0452 Fax (303) 413-0710

280 W Kagy Blvd., Suite D-259  
Bozeman, MT 59715  
(406) 548-5450

February 25, 2019

Peter Champion  
City of Greeley Water & Sewer Department  
4505 Filter Plant Rd.  
Bellvue, CO 80512

***RE: Site Specific EPA/HUD - 40 CFR 745.80 Subpart E Lead-Based Surface Coating  
Inspection at 4505 Filter Plant Rd., Bellvue, CO 80512 -The Residence (the Property)***

Dear Mr. Champion:

On February 19, 2019, Chris Schiechl, a certified Colorado Lead-Based Paint (LBP) Inspector from Weecycle Environmental Consulting, Inc., completed a site-specific Lead Based Surface Coatings Survey for Renovation, Repair and Painting (RRP) **40CFR 745.80 Subpart E**, at the Property. The contractor identified areas within the structure which may potentially be impacted by the “work” at the property. These areas were tested and identified on the XRF data sheet. **LBP (Lead Based Paint) was identified** on the tested surfaces at the Property.

Non-painted surfaces such as unpainted ceramic tile and porcelain bathtubs may be a source of lead exposure during demolition or renovation. These items are not considered lead-based paint; their presence does not need to be included in disclosure under the Lead Disclosure Rule.

### **Identifying Information**

<b>Site Address</b>	4505 Filter Plant Rd Bellvue, CO 80512
<b>Constructed</b>	Pre 1978
<b>Owner</b>	City of Greeley Water and Sewer Department
<b>Owner Address</b>	4505 Filter Plant Rd Bellvue, CO 80512
<b>Weecycle Job Number</b>	19-16289

### **Site Notes**

None

### **Sampling Procedure**

Weecycle Environmental Consulting, Inc. completed this inspection according to the most current HUD guidelines. On-site testing of painted surfaces for lead content was completed

using a portable Niton XLp-300A Spectrum Analyzer Lead Detector (Serial Number 95924) which utilizes X-Ray Fluorescence analysis.

Lead Based Paint Testing is performed in accordance with HUD Guidelines as revised 4/12 with the following procedural notes:

- 1) Room equivalents are generally listed by number, starting with the 1<sup>st</sup> room of the main entrance and proceeding clockwise on each floor. Walls are listed in each room by letter with wall "A" facing the street of address, proceeding clockwise to "B, C, D", etc. Multiple components (i.e. windows or doors) are listed moving left to right along each wall.
- 2) Substrates are labeled as Brick, Concrete, Drywall, Plaster, Stucco, Wood or Metal. Concrete block or cinder block or CMU are labeled concrete. Wallpapered surfaces are examined by XRF for concealed lead-based paint with postulated substrates.

In addition to on-site analysis, leaded dust wipes, bulk paint chip, and/or lead in soil samples of suspected surfaces may have been collected at the discretion of the risk assessor at the request of the contractor. These samples will be analyzed for lead content by Reservoirs Environmental Services, Inc., an AIHA ELLAP (Environmental Lead Laboratory Accreditation Program) approved laboratory.

**EPA, 40 CFR 745.80 Subpart E, Renovation, Repair and Painting Rule:** Under the rule, beginning in April 2010, contractors performing renovation, repair and painting projects that disturb lead-based paint in homes, child care facilities, and schools built before 1978 must be certified and must follow specific work practices to prevent lead contamination. All painted surfaces must be assumed positive for lead-based paint unless tested and confirmed to be negative.

Target Housing is a home or residential unit built on or before December 31, 1977, except:

- Housing built for the elderly or persons with disabilities (unless a child less than 6 years old lives or is expected to live in the house or unit); or
- Zero-bedroom dwellings (studio apartments, hospitals, hotels, dormitories, etc.)

The EPA – Renovate, Repair and Painting Rule defines a child- occupied facility as a pre-1978 building that meets all three of the criteria below:

- Visited regularly by the same child, under 6 years of age.
- The visits are on at least two different days within any week (Sunday through Saturday period), provided that each day's visit lasts at least 3 hours.
- Combined weekly visits last at least 6 hours, and the combined annual visits last at least 60 hours.

Child-occupied facilities may be located in a public or commercial building or in target housing. These facilities include schools, child care facilities, and daycare centers.

## **FEDERAL LEAD-BASED PAINT STANDARDS**

**Paint – Lead Based Paint is any paint or other surface coatings that contain at least:**

- 1 milligram per square centimeter (mg/cm<sup>2</sup>) of lead;
- 0.5 percent lead; or 5,000 parts per million lead by dry weight.

Note: In 1978 the Consumer Product Safety Commission banned the residential use of lead-based paint that contained greater than or equal to 0.06 percent or 600 ppm of lead.

**Dust – Federal Thresholds for Lead-Contamination (in micrograms per square foot)**

- Floors 40 µg/ft<sup>2</sup>
- Interior window sills 250 µg/ft<sup>2</sup>

- Window troughs (Clearance only) 400 µg/ft²

**Soil – Federal Thresholds for Bare Soil Contamination (in micrograms per gram; equivalent to parts per million)**

- Play areas used by children under age 6 400 µg/gram
- Other areas, if more than 9 ft² in total area of bare soil per property 1,200 µg/gram
- Abatement required by HUD 5,000 µg/gram

**Site Findings**

Lead-based paint (LBP) was identified on the interior of the building in the following location(s):

- A. Ceiling and Walls (Plaster, Beige) Living Room, Dining Room, Kitchen, and Stair 2
- B. Closet shelf(Wood, White) Living Room Closet
- C. Built in Cabinet (Wood, White) Dining Room;
- D. Built in Cabinet (Plaster, White) Kitchen;
- E. Ceiling and Walls and Floor (Wood, White) Rear Porch;
- F. Door Casing (Wood, Brown) Rear Porch;
- G. Window Casing and Sill (Wood, Brown) Stair 2;
- H. Door Casing (Wood, White) Stair 2;
- I. Wall (Wood, Brown) Stair 2;
- J. Baseboard (Wood, Brown) Stair 2;
- K. Window Sash and Trough (Wood, White) Basement Windows; Assume all Wood Window components positive for lead based paint
- L. Door and Door Casing (Wood, Brown, Blue) Storage and Bedroom 4

**Site-Specific Lead Hazard Control Plan**

***Hazard A-L: Interior surfaces covered in LBP.*** (See Above)

Periodic visual monitoring of these surfaces by the Property's owner is required according to HUD guidelines. As they begin to degrade, either wet-strip and re-paint or encapsulate with non-LBP (please refer to the rest of this control plan for more details). If remodeling or renovation activities disturb these sites, adhere to the following procedure. Certified contractors are required to follow the applicable HUD, EPA, and OSHA Lead-in-Construction standards. When remodeling, renovation or painting activities have been completed a cleaning verification procedure or a final clearance (by dust wipe) should be performed to verify the work was completed properly. Based on the results of this analysis, please follow all applicable local, state, and federal regulations when disposing of this material.

**ANALYTICAL RESULTS**

**Table 1.** Summary of Positive XRF Readings

<b>XRF Sample #</b>	<b>Component</b> (window, door, wall, stair rail, etc.)	<b>Location</b>	<b>Side</b>	<b>Lead Content, (mg/cm²)</b>
5	Ceiling	Living Room		
6	Wall	Living Room	B	
8	Wall	Living Room	D	
18	Closet Shelf	Living Room	D	

<b>XRF Sample #</b>	<b>Component (window, door, wall, stair rail, etc.)</b>	<b>Location</b>	<b>Side</b>	<b>Lead Content, (mg/cm<sup>2</sup>)</b>
38	Ceiling	Dining Room		
39	Wall	Dining Room	B	
40	Wall	Dining Room	D	
45	Cabinet	Dining Room	C	
49	Ceiling	Kitchen		
50	Wall	Kitchen	A	
51	Wall	Kitchen	C	
56	Cabinet in Wall	Kitchen	D	
61	Closet Wall	Kitchen	A	
62	Ceiling	Rear Porch		
63	Wall	Rear porch	A	
67	Floor	Rear Porch		
70	Door Casing	Rear Porch	A	
109	Wall	Stair 2	A	
110	Wall	Stair 2	C	
111	Window Casing	Stair 2	A	
112	Window Sill	Stair 2	A	
113	Window Sill	Stair 2	D	
115	Door Casing	Stair 2	C	
116	Wall	Stair 2	A	
118	Baseboard	Stair 2	C	
119	Door Casing	Stair 2	D	
131	Window Sash	Storage	B	
136	Door	Storage	A	
137	Door Casing	Storage	A	
145	Window Sash	Bedroom 4	D	
147	Door	Bedroom 4	C	
158	Window Sash	Utility Room	B	
159	Window Sash	Utility Room	B	
160	Through	Exterior	B	
161	Through	Exterior	B	
162	Window Sash	Exterior	B	

### General Recommendations

- 1) A full re-survey is NOT recommended for surfaces that have already been tested. However, a re-survey is recommended for other interior and exterior painted surfaces as they begin to degrade and/or prior to any renovations or modifications. In addition, a reevaluation of surface with LBP should be completed. Please refer to the enclosed reevaluation schedule (located in the Appendices) for HUD's recommended timeline.
- 2) Painted surfaces should be inspected annually and repainted as needed before deterioration occurs. Before any scraping or sanding, the paint should be determined to be lead-based paint or non-lead-based paint and appropriate measures taken to prevent the generation or spreading of paint chips or dust.
- 3) Vegetation, mulch and ground cover should be inspected quarterly and annually renewed to cover the soil along the foundation of the buildings and grounds. The soil should NOT be

disturbed, allowing lead-containing dust to be tracked into the house by residents or their pets.

- 4) Windows and doors in the building should be inspected annually for wear on friction surfaces, which may create lead dust. For doors, plane the edges of the door to eliminate friction. For windows, remove paint from window sash and friction frame. Seal lead-based paint waste in plastic bags and dispose properly, then wash surfaces with Tri-Sodium Phosphate (TSP). Collect and dispose of the wash water in compliance with local disposal requirements. With approval of waste regulators, wash water can be flushed into a sanitary sewer (toilet).
- 5) Please call for a re-survey of any surfaces which you wish to disturb for renovations, repair or demolition, especially disturbing a painted surface in the older portion of the building. You may want to hire a qualified LBP contractor and/or use LBP techniques to control dust.
- 6) Children residing or in day care at this site should be checked by their family physician annually for elevated blood lead levels and balanced diets should include foods which provide recommended daily amounts of calcium and iron.
- 7) When cleaning, use wet mopping with a general-purpose cleaner, rather than sweeping. For occasional vacuuming, use a HEPA rated vacuum.
- 8) Please contact Weecycle Environmental Consulting, Inc. for additional information.

Enclosed are copies of the sampling data (i.e. XRF spectral data and/or laboratory analytical results), and relevant professional documents and certifications. If you have questions or require additional services, please call (303) 413-0452 or (800) 875-7033.

Sincerely,

A handwritten signature in cursive script, reading "Judith Sawitsky".

Judith Sawitsky  
President  
Colorado Cert. No. 8747





Colorado Department  
of Public Health  
and Environment

## LEAD-BASED PAINT CERTIFICATION\*

This certifies that

**Chris Schiechl**

**Certification No.: 17260**

has met the requirements of 25-7-1104, C.R.S. and Air Quality Control  
Commission Regulation No. 19, and is hereby certified by the state of  
Colorado in the following discipline:

**Inspector/Risk Assessor\***

**Issued:** April 27, 2017

**Expires:** April 27, 2018

*\* This certificate is valid only with the possession of a valid  
lead-based paint training certificate in the discipline specified  
above, issued by either a Colorado approved training provider,  
an EPA approved training provider, or a training provider  
approved by another EPA authorized program.*

Authorized APCD Representative

**SEAL**



	4505 Filter Plant Rd Bellvue,CO.80512			City of Greeley				WEC# 19-16289									
	XRF Model# XLP300A			Serial# 95970				Sourced: 8/1/18									
	Inspertor: Chris Schiechl																
Reading No	Time	Type	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	ROOM TYPE	RM#	FLOOR	Results	PbC	PbC Error	PbL	PbL Error	PbK	PbK Error
2	2/19/2019 15:08	PAINT	CALIBRATE								Positive	1	0.1	1	0.1	0.3	0.35
3	2/19/2019 15:08	PAINT	CALIBRATE								Positive	1	0.1	1	0.1	0.4	0.3
4	2/19/2019 15:09	PAINT	CALIBRATE								Positive	1	0.1	1	0.1	0.3	0.34
5	2/19/2019 15:14	PAINT	CEILING	PLASTER		INTACT	BEIGE	LIVING ROOM	1	FIRST	Positive	0	0.02	0	0.02	1.1	0.4
6	2/19/2019 15:15	PAINT	WALL	PLASTER	B	INTACT	BEIGE	LIVING ROOM	1	FIRST	Positive	1	0.4	0.21	0.12	1	0.4
7	2/19/2019 15:15	PAINT	WALL	PLASTER	D	INTACT	BEIGE	LIVING ROOM	1	FIRST	Null	1	0.4	0.28	0.13	1	0.4
8	2/19/2019 15:16	PAINT	WALL	PLASTER	D	INTACT	BEIGE	LIVING ROOM	1	FIRST	Positive	1.2	0.4	0.16	0.11	1.2	0.4
9	2/19/2019 15:17	PAINT	WALL	PANELING	A	INTACT	MAROON	LIVING ROOM	1	FIRST	Negative	0.3	0.41	0.3	0.41	0.9	2.2
10	2/19/2019 15:17	PAINT	WALL	PANELING	C	INTACT	BEIGE	LIVING ROOM	1	FIRST	Negative	0.3	0.37	0.3	0.37	0.6	0.8
11	2/19/2019 15:17	PAINT	BASEBOARD	WOOD	C	INTACT	BROWN	LIVING ROOM	1	FIRST	Negative	0.19	0.25	0.19	0.25	-0.02	1.71
12	2/19/2019 15:18	PAINT	WNDW CASING	WOOD	A	INTACT	BEIGE	LIVING ROOM	1	FIRST	Negative	0.2	0.26	0.2	0.26	-0.18	1.5
13	2/19/2019 15:18	PAINT	WNDW SILL	WOOD	A	INTACT	BEIGE	LIVING ROOM	1	FIRST	Negative	0.15	0.19	0.15	0.19	0.26	1.71
14	2/19/2019 15:18	PAINT	WNDW CASING	WOOD	B	INTACT	BROWN	LIVING ROOM	1	FIRST	Negative	0.08	0.11	0.08	0.11	0.5	1.8
15	2/19/2019 15:18	PAINT	WNDW SILL	WOOD	B	INTACT	BROWN	LIVING ROOM	1	FIRST	Negative	0.24	0.32	0.24	0.32	-0.67	1.52
16	2/19/2019 15:19	PAINT	CLST DOOR	WOOD	D	INTACT	BEIGE	LIVING ROOM	1	FIRST	Negative	0.24	0.35	0.24	0.35	0.12	1.5
17	2/19/2019 15:19	PAINT	CLST DR CASING	WOOD	D	INTACT	BROWN	LIVING ROOM	1	FIRST	Negative	0.2	0.25	0.2	0.25	0.03	1.84
18	2/19/2019 15:20	PAINT	CLST SHELF	WOOD	D	INTACT	WHITE	LIVING ROOM	1	FIRST	Positive	5.2	3.3	5.2	3.3	4.4	5.6
19	2/19/2019 15:20	PAINT	CLST WALL	PLASTER	A	INTACT	BEIGE	LIVING ROOM	1	FIRST	Negative	0.14	0.79	0.12	0.07	0.14	0.79
20	2/19/2019 15:21	PAINT	CLST WALL	PLASTER	C	INTACT	BEIGE	LIVING ROOM	1	FIRST	Negative	0.08	0.11	0.08	0.11	0.17	1.56
21	2/19/2019 15:21	PAINT	CLST WALL	PLASTER	D	INTACT	BEIGE	LIVING ROOM	1	FIRST	Negative	0.13	0.12	0.13	0.12	0.7	0.6
22	2/19/2019 15:22	PAINT	DR. CASING	WOOD	A	INTACT	BROWN	LIVING ROOM	1	FIRST	Negative	0.29	0.44	0.29	0.44	0.1	1.67
23	2/19/2019 15:22	PAINT	DR. JAMB	WOOD	D	INTACT	BEIGE	LIVING ROOM	1	FIRST	Negative	0.15	0.18	0.15	0.18	-0.21	1.79
24	2/19/2019 15:24	PAINT	CEILING	PLASTER		INTACT	BEIGE	BEDROOM 1	2	FIRST	Negative	0.3	0.7	0.01	0.02	0.3	0.7
25	2/19/2019 15:25	PAINT	WALL	PLASTER	A	INTACT	BEIGE	BEDROOM 1	2	FIRST	Negative	0.5	0.5	0.09	0.08	0.5	0.5
26	2/19/2019 15:26	PAINT	WALL	PLASTER	B	INTACT	BEIGE	BEDROOM 1	2	FIRST	Negative	0	0.02	0	0.02	0.05	0.94
27	2/19/2019 15:26	PAINT	WALL	PLASTER	C	INTACT	BEIGE	BEDROOM 1	2	FIRST	Negative	0.4	0.6	0.1	0.12	0.4	0.6
28	2/19/2019 15:26	PAINT	WALL	PLASTER	D	INTACT	MAROON	BEDROOM 1	2	FIRST	Negative	-0.03	0.93	0.08	0.25	-0.03	0.93
29	2/19/2019 15:26	PAINT	WNDW CASING	WOOD	D	INTACT	BROWN	BEDROOM 1	2	FIRST	Negative	0.04	0.09	0.04	0.09	0.3	1.8
30	2/19/2019 15:27	PAINT	BASEBOARD	WOOD	A	INTACT	BROWN	BEDROOM 1	2	FIRST	Negative	0.15	0.18	0.15	0.18	0.3	1.64
31	2/19/2019 15:27	PAINT	WNDW SILL	WOOD	A	INTACT	BROWN	BEDROOM 1	2	FIRST	Negative	0.08	0.14	0.08	0.14	0.07	1.28
32	2/19/2019 15:27	PAINT	CLST DOOR	WOOD	C	INTACT	BROWN	BEDROOM 1	2	FIRST	Negative	0.09	0.14	0.09	0.14	0.5	1.7
33	2/19/2019 15:28	PAINT	CLST DR CASING	WOOD	C	INTACT	BEIGE	BEDROOM 1	2	FIRST	Negative	0.04	0.06	0.04	0.06	0.14	1.47
34	2/19/2019 15:28	PAINT	CLST SHELF	WOOD	C	INTACT	BEIGE	BEDROOM 1	2	FIRST	Negative	0.01	0.04	0.01	0.04	0.21	1.29
35	2/19/2019 15:28	PAINT	CLST SHELF	WOOD	C	INTACT	BEIGE	BEDROOM 1	2	FIRST	Negative	0.01	0.03	0.01	0.03	0.9	1.6
36	2/19/2019 15:29	PAINT	CLST SHELF	WOOD	C	INTACT	WHITE	BEDROOM 1	2	FIRST	Negative	0.05	0.09	0.05	0.09	0.26	1.17
37	2/19/2019 15:29	PAINT	DR. CASING	WOOD	B	INTACT	BROWN	BEDROOM 1	2	FIRST	Negative	0.06	0.08	0.06	0.08	0.3	1.58
38	2/19/2019 15:30	PAINT	CEILING	PLASTER		INTACT	BEIGE	DINING ROOM	3	FIRST	Positive	1.5	0.5	0.04	0.07	1.5	0.5
39	2/19/2019 15:30	PAINT	WALL	PLASTER	B	INTACT	BEIGE	DINING ROOM	3	FIRST	Positive	1.7	0.7	0.4	0.2	1.7	0.7
40	2/19/2019 15:31	PAINT	WALL	PLASTER	D	INTACT	BEIGE	DINING ROOM	3	FIRST	Positive	1.5	0.5	0.01	0.02	1.5	0.5
41	2/19/2019 15:32	PAINT	WALL	PANELING	A	INTACT	BEIGE	DINING ROOM	3	FIRST	Negative	0.4	0.4	0.4	0.4	0.5	0.8
42	2/19/2019 15:32	PAINT	WALL	PANELING	C	INTACT	MAROON	DINING ROOM	3	FIRST	Negative	0.6	0.2	0.6	0.2	1.1	0.4
43	2/19/2019 15:33	PAINT	CBNT DR OUT	WOOD	C	INTACT	WHITE	DINING ROOM	3	FIRST	Negative	0.11	0.14	0.11	0.14	0.23	1.47
44	2/19/2019 15:33	PAINT	CBNT SHELF	WOOD	C	INTACT	WHITE	DINING ROOM	3	FIRST	Negative	0.11	0.16	0.11	0.16	1.3	1.8
45	2/19/2019 15:34	PAINT	CBNT IN	WOOD	C	INTACT	WHITE	DINING ROOM	3	FIRST	Positive	3.9	2.1	3.9	2.1	8.8	7.6
46	2/19/2019 15:35	PAINT	BASEBOARD	WOOD	B	INTACT	BROWN	DINING ROOM	3	FIRST	Negative	0.17	0.23	0.17	0.23	0.8	1.9



	4505 Filter Plant Rd Bellvue,CO.80512			City of Greeley			WEC# 19-16289										
	XRF Model# XLP300A		Serial# 95970		Sourced: 8/1/18												
	Inspertor: Chris Schiechl																
Reading No	Time	Type	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	ROOM TYPE	RM#	FLOOR	Results	PbC	PbC Error	PbL	PbL Error	PbK	PbK Error
47	2/19/2019 15:35	PAINT	WNDW CASING	WOOD	B	INTACT	BROWN	DINING ROOM	3	FIRST	Negative	0.28	0.29	0.28	0.29	0.29	1.53
48	2/19/2019 15:36	PAINT	DR. CASING	WOOD	D	INTACT	BROWN	DINING ROOM	3	FIRST	Negative	0.16	0.22	0.16	0.22	-0.05	1.61
49	2/19/2019 15:37	PAINT	CEILING	PLASTER		INTACT	WHITE	KITCHEN	4	FIRST	Positive	2.4	1.2	0.3	0.53	2.4	1.2
50	2/19/2019 15:37	PAINT	WALL	PLASTER	A	INTACT	GREEN	KITCHEN	4	FIRST	Positive	2.3	1.2	0.25	0.61	2.3	1.2
51	2/19/2019 15:38	PAINT	WALL	PLASTER	C	INTACT	WHITE	KITCHEN	4	FIRST	Positive	1.8	0.8	0.07	0.13	1.8	0.8
52	2/19/2019 15:38	PAINT	WNDW CASING	WOOD	C	INTACT	GREEN	KITCHEN	4	FIRST	Negative	0.07	0.1	0.07	0.1	0.4	1.5
53	2/19/2019 15:38	PAINT	WNDW SILL	WOOD	D	INTACT	GREEN	KITCHEN	4	FIRST	Null	0.07	0.18	0.07	0.18	-0.14	2.3
54	2/19/2019 15:39	PAINT	WNDW SILL	WOOD	D	INTACT	GREEN	KITCHEN	4	FIRST	Negative	0.12	0.16	0.12	0.16	-0.18	1.5
55	2/19/2019 15:39	PAINT	CBNT DR OUT	WOOD	D	INTACT	WHITE	KITCHEN	4	FIRST	Negative	0.24	0.34	0.24	0.34	0.1	1.42
56	2/19/2019 15:39	PAINT	CBNT IN WALL	PLASTER	D	INTACT	WHITE	KITCHEN	4	FIRST	Positive	2.8	1.3	1.2	0.4	2.8	1.3
57	2/19/2019 15:40	PAINT	CBNT SHELF	WOOD	D	INTACT	WHITE	KITCHEN	4	FIRST	Negative	0.04	0.07	0.04	0.07	0.25	1.39
58	2/19/2019 15:40	PAINT	WALL	CERAMIC TILE	D	INTACT	GREEN	KITCHEN	4	FIRST	Negative	0.01	0.03	0.01	0.03	0.5	1
59	2/19/2019 15:41	PAINT	DR. CASING	WOOD	A	INTACT	GREEN	KITCHEN	4	FIRST	Negative	0.4	0.5	0.4	0.5	0.19	1.8
60	2/19/2019 15:41	PAINT	DR. JAMB	WOOD	B	INTACT	GREEN	KITCHEN	4	FIRST	Negative	0.26	0.32	0.26	0.32	0.11	1.59
61	2/19/2019 15:41	PAINT	CLST WALL	WOOD	A	INTACT	BEIGE	KITCHEN	4	FIRST	Positive	2.9	1.3	2.9	1.3	3.2	3.3
62	2/19/2019 15:43	PAINT	CEILING	WOOD		INTACT	WHITE	PORCH REAR	5	FIRST	Positive	3.4	2.3	3.4	2.3	7.8	7.4
63	2/19/2019 15:44	PAINT	WALL	WOOD	A	INTACT	WHITE	PORCH REAR	5	FIRST	Positive	15.5	10.6	6.5	6	15.5	10.6
64	2/19/2019 15:44	PAINT	WALL	DRYWALL	B	INTACT	WHITE	PORCH REAR	5	FIRST	Negative	0.26	0.32	0.26	0.32	-0.31	1.31
65	2/19/2019 15:44	PAINT	WALL	DRYWALL	C	INTACT	WHITE	PORCH REAR	5	FIRST	Negative	0.1	0.13	0.1	0.13	0.23	1.54
66	2/19/2019 15:44	PAINT	WALL	DRYWALL	D	INTACT	WHITE	PORCH REAR	5	FIRST	Negative	0.3	0.42	0.3	0.42	-0.2	1.41
67	2/19/2019 15:44	PAINT	FLOOR	WOOD		INTACT	BROWN	PORCH REAR	5	FIRST	Positive	4.8	3.1	4.8	3.1	6.8	7
68	2/19/2019 15:45	PAINT	WNDW CASING	WOOD	A	INTACT	BROWN	PORCH REAR	5	FIRST	Negative	0.24	0.38	0.24	0.38	0.3	1.36
69	2/19/2019 15:45	PAINT	WNDW SILL	WOOD	D	INTACT	BROWN	PORCH REAR	5	FIRST	Negative	0.05	0.07	0.05	0.07	0.1	1.35
70	2/19/2019 15:45	PAINT	DR. CASING	WOOD	A	INTACT	BROWN	PORCH REAR	5	FIRST	Positive	12.6	9.4	7	7.2	12.6	9.4
71	2/19/2019 15:46	PAINT	DR. JAMB	WOOD	B	INTACT	BROWN	PORCH REAR	5	FIRST	Negative	0.3	0.43	0.3	0.43	0.7	1.5
72	2/19/2019 15:55	PAINT	CEILING	PLASTER		INTACT	BEIGE	STAIR	6	FIRST	Negative	0.03	0.05	0.03	0.05	0.7	1
73	2/19/2019 15:55	PAINT	WALL	PANELING	A	INTACT	BEIGE	STAIR	6	FIRST	Negative	0.01	0.03	0.01	0.03	0.13	1.78
74	2/19/2019 15:55	PAINT	WALL	PANELING	C	INTACT	BEIGE	STAIR	6	FIRST	Negative	0	0.02	0	0.02	0.4	1.8
75	2/19/2019 15:56	PAINT	WALL	PANELING	D	INTACT	BEIGE	STAIR	6	FIRST	Negative	0	0.02	0	0.02	0.6	1.9
76	2/19/2019 15:56	PAINT	BASEBOARD	WOOD	C	INTACT	RED	STAIR	6	FIRST	Negative	0.02	0.04	0.02	0.04	0.5	1.8
77	2/19/2019 15:56	PAINT	DOOR	WOOD	C	INTACT	RED	STAIR	6	FIRST	Negative	0.02	0.04	0.02	0.04	0.3	1.34
78	2/19/2019 15:57	PAINT	DR. CASING	WOOD	A	INTACT	RED	STAIR	6	FIRST	Negative	0.02	0.04	0.02	0.04	-0.15	1.51
79	2/19/2019 15:57	PAINT	WNDW CASING	WOOD	B	INTACT	RED	STAIR	6	FIRST	Negative	0.06	0.13	0.06	0.13	0.1	1.8
80	2/19/2019 15:57	PAINT	WNDW SASH	WOOD	B	INTACT	RED	STAIR	6	FIRST	Negative	0.02	0.06	0.02	0.06	0.19	1.48
81	2/19/2019 15:57	PAINT	WNDW SILL	WOOD	B	INTACT	RED	STAIR	6	FIRST	Negative	0.02	0.05	0.02	0.05	0.24	1.42
82	2/19/2019 15:58	PAINT	RAILING	WOOD	B	INTACT	RED	STAIR	6	FIRST	Negative	0.11	0.23	0.11	0.23	0.4	1.4
83	2/19/2019 15:58	PAINT	CEILING	PLASTER		INTACT	WHITE	BEDROOM 2	7	FIRST	Negative	0.02	0.06	0.02	0.06	0.2	1.45
84	2/19/2019 15:59	PAINT	WALL	PLASTER	A	INTACT	WHITE	BEDROOM 2	7	FIRST	Negative	0.03	0.08	0.03	0.08	0.7	1.9
85	2/19/2019 15:59	PAINT	WALL	PLASTER	B	INTACT	WHITE	BEDROOM 2	7	FIRST	Negative	0.01	0.02	0.01	0.02	0.26	1.74
86	2/19/2019 15:59	PAINT	WALL	PLASTER	B	INTACT	WHITE	BEDROOM 2	7	FIRST	Negative	0.01	0.02	0.01	0.02	-0.1	1.76
87	2/19/2019 15:59	PAINT	WALL	PLASTER	D	INTACT	WHITE	BEDROOM 2	7	FIRST	Negative	0.01	0.04	0.01	0.04	-0.03	1.72
88	2/19/2019 16:00	PAINT	BASEBOARD	WOOD	B	INTACT	WHITE	BEDROOM 2	7	FIRST	Negative	0.05	0.16	0.05	0.16	-0.32	1.59
89	2/19/2019 16:00	PAINT	WNDW CASING	WOOD	A	INTACT	WHITE	BEDROOM 2	7	FIRST	Negative	0.05	0.18	0.05	0.18	0.15	1.54
90	2/19/2019 16:00	PAINT	WNDW SILL	WOOD	A	INTACT	WHITE	BEDROOM 2	7	FIRST	Negative	0.06	0.2	0.06	0.2	0.25	1.45
91	2/19/2019 16:00	PAINT	CLST DOOR	WOOD	C	INTACT	WHITE	BEDROOM 2	7	FIRST	Negative	0.02	0.05	0.02	0.05	0.6	1.3

	4505 Filter Plant Rd Bellvue,CO.80512			City of Greeley			WEC# 19-16289										
	XRF Model# XLP300A		Serial# 95970		Sourced: 8/1/18												
	Inspertor: Chris Schiechl																
Reading No	Time	Type	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	ROOM TYPE	RM#	FLOOR	Results	PbC	PbC Error	PbL	PbL Error	PbK	PbK Error
92	2/19/2019 16:01	PAINT	CLST DR CASING	WOOD	C	INTACT	WHITE	BEDROOM 2	7	FIRST	Negative	0.02	0.05	0.02	0.05	-0.15	1.33
93	2/19/2019 16:01	PAINT	CLST SHELF SPRT	WOOD	C	INTACT	WHITE	BEDROOM 2	7	FIRST	Negative	0.02	0.04	0.02	0.04	0.4	1.6
94	2/19/2019 16:02	PAINT	CLST WNDW CASING	WOOD	C	INTACT	WHITE	BEDROOM 2	7	FIRST	Negative	0.02	0.1	0.02	0.1	1.5	3.6
95	2/19/2019 16:02	PAINT	CLST WNDW SILL	WOOD	C	INTACT	WHITE	BEDROOM 2	7	FIRST	Negative	0.06	0.11	0.06	0.11	-0.2	1.48
96	2/19/2019 16:02	PAINT	CLST WNDW SHASH	WOOD	C	INTACT	WHITE	BEDROOM 2	7	FIRST	Negative	0.03	0.06	0.03	0.06	0.3	1.29
97	2/19/2019 16:02	PAINT	CEILING	PLASTER		INTACT	WHITE	BEDROOM 3	8	FIRST	Negative	0.05	0.14	0.05	0.14	-0.45	2.12
98	2/19/2019 16:03	PAINT	WALL	PLASTER	A	INTACT	WHITE	BEDROOM 3	8	FIRST	Negative	0	0.02	0	0.02	-0.18	1.73
99	2/19/2019 16:03	PAINT	WALL	PLASTER	B	INTACT	WHITE	BEDROOM 3	8	FIRST	Negative	0.05	0.12	0.05	0.12	0.01	1.54
100	2/19/2019 16:03	PAINT	WALL	PLASTER	C	INTACT	WHITE	BEDROOM 3	8	FIRST	Negative	0	0.02	0	0.02	-0.25	1.76
101	2/19/2019 16:03	PAINT	WNDW SILL	WOOD	C	INTACT	WHITE	BEDROOM 3	8	FIRST	Negative	0.09	0.21	0.09	0.21	0.15	1.68
102	2/19/2019 16:04	PAINT	WNDW CASING	WOOD	C	INTACT	WHITE	BEDROOM 3	8	FIRST	Negative	0.1	0.29	0.1	0.29	0.7	1.7
103	2/19/2019 16:04	PAINT	CLST DOOR	WOOD	A	INTACT	WHITE	BEDROOM 3	8	FIRST	Negative	0.08	0.19	0.08	0.19	0.24	1.12
104	2/19/2019 16:04	PAINT	CLST DR CASING	WOOD	A	INTACT	WHITE	BEDROOM 3	8	FIRST	Negative	0.01	0.03	0.01	0.03	0.09	1.45
105	2/19/2019 16:04	PAINT	DOOR	WOOD	A	INTACT	WHITE	BEDROOM 3	8	FIRST	Negative	0.03	0.09	0.03	0.09	0.6	1.5
106	2/19/2019 16:05	PAINT	DR. CASING	WOOD	A	INTACT	WHITE	BEDROOM 3	8	FIRST	Negative	0.01	0.03	0.01	0.03	-0.2	1.43
107	2/19/2019 16:06	PAINT	CEILING	PLASTER		INTACT	WHITE	STAIR 2	9	FIRST	Negative	0.3	0.27	0.3	0.27	1.6	2.4
108	2/19/2019 16:07	PAINT	CEILING	PLASTER		INTACT	WHITE	STAIR 2	9	FIRST	Negative	0.6	0.4	0.6	0.4	1.7	1.9
109	2/19/2019 16:07	PAINT	WALL	PLASTER	A	INTACT	WHITE	STAIR 2	9	FIRST	Positive	2.6	1.3	0.8	0.4	2.6	1.3
110	2/19/2019 16:08	PAINT	WALL	PLASTER	C	INTACT	WHITE	STAIR 2	9	FIRST	Positive	1.9	0.9	0.7	0.2	1.9	0.9
111	2/19/2019 16:08	PAINT	WNDW CASING	WOOD	A	INTACT	BROWN	STAIR 2	9	FIRST	Positive	6.6	3.9	5.8	3.4	6.6	3.9
112	2/19/2019 16:08	PAINT	WNDW SILL	WOOD	A	INTACT	BROWN	STAIR 2	9	FIRST	Positive	2.8	1.5	2.8	1.5	2.7	2.2
113	2/19/2019 16:08	PAINT	WNDW SILL	WOOD	C	INTACT	BROWN	STAIR 2	9	FIRST	Positive	3.8	2.3	3.8	2.3	3.4	2.9
114	2/19/2019 16:09	PAINT	DOOR	WOOD	C	INTACT	WHITE	STAIR 2	9	FIRST	Negative	0.24	0.33	0.24	0.33	0.5	1.7
115	2/19/2019 16:09	PAINT	DR. CASING	WOOD	C	INTACT	WHITE	STAIR 2	9	FIRST	Positive	8.5	4.5	9.7	5.9	8.5	4.5
116	2/19/2019 16:09	PAINT	WALL	WOOD	A	INTACT	BROWN	STAIR 2	9	FIRST	Positive	4.7	2.2	4.7	2.2	5.2	3.6
117	2/19/2019 16:10	PAINT	WALL	CONCRETE	C	INTACT	BROWN	STAIR 2	9	FIRST	Negative	0.05	0.06	0.05	0.06	0.07	1.06
118	2/19/2019 16:10	PAINT	BASEBOARD	WOOD	C	INTACT	BROWN	STAIR 2	9	FIRST	Positive	9.8	8.2	4.8	5.7	9.8	8.2
119	2/19/2019 16:11	PAINT	DR. CASING	WOOD	D	INTACT	BROWN	STAIR 2	9	FIRST	Positive	5.5	3.8	5.1	3.4	5.5	3.8
120	2/19/2019 16:11	PAINT	RAILING	WOOD	C	INTACT	WHITE	STAIR 2	9	FIRST	Negative	0.09	0.15	0.09	0.15	0.3	1.5
121	2/19/2019 16:12	PAINT	WALL	PANELING	B	INTACT	BEIGE	STAIR 2	9	FIRST	Negative	0.08	0.12	0.08	0.12	0.1	1.62
122	2/19/2019 16:13	PAINT	CEILING	DRYWALL		INTACT	WHITE	STORAGE	10	BASEMENT	Negative	0	0.02	0	0.02	-0.2	1.57
123	2/19/2019 16:14	PAINT	WALL	DRYWALL	A	INTACT	BROWN	STORAGE	10	BASEMENT	Negative	0	0.02	0	0.02	-0.08	1.64
124	2/19/2019 16:14	PAINT	WALL	PANELING	B	INTACT	BROWN	STORAGE	10	BASEMENT	Negative	0.08	0.12	0.08	0.12	0.05	1.49
125	2/19/2019 16:14	PAINT	WALL	WOOD	C	INTACT	VARNISH	STORAGE	10	BASEMENT	Negative	0.5	0.5	0.5	0.5	0.7	1.3
126	2/19/2019 16:14	PAINT	WALL	CONCRETE	C	INTACT	WHITE	STORAGE	10	BASEMENT	Negative	0	0.02	0	0.02	0.5	1.1
127	2/19/2019 16:15	PAINT	WALL	CONCRETE	D	INTACT	WHITE	STORAGE	10	BASEMENT	Negative	0	0.02	0	0.02	0.5	1.1
128	2/19/2019 16:15	PAINT	FLOOR	CONCRETE		DETERIORATED	GREY	STORAGE	10	BASEMENT	Negative	0.07	0.04	0.07	0.04	0.4	1.1
129	2/19/2019 16:16	PAINT	WNDW CASING	WOOD	B	INTACT	BROWN	STORAGE	10	BASEMENT	Negative	0	0.02	0	0.02	0.5	1.5
130	2/19/2019 16:16	PAINT	WNDW SILL	WOOD	B	INTACT	BROWN	STORAGE	10	BASEMENT	Negative	0	0.02	0	0.02	0.05	1.26
131	2/19/2019 16:16	PAINT	WNDW SASH	WOOD	B	INTACT	BROWN	STORAGE	10	BASEMENT	Positive	4.2	2.6	4.2	2.6	4.7	5.3
132	2/19/2019 16:16	PAINT	WNDW SASH	WOOD	C	INTACT	WHITE	STORAGE	10	BASEMENT	Negative	0.03	0.11	0.03	0.11	0.7	1.5
133	2/19/2019 16:17	PAINT	WNDW SILL	WOOD	C	INTACT	WHITE	STORAGE	10	BASEMENT	Negative	0	0.02	0	0.02	-0.02	1.15
134	2/19/2019 16:17	PAINT	BEAM	WOOD		INTACT	WHITE	STORAGE	10	BASEMENT	Negative	0	0.02	0	0.02	-0.19	1.45
135	2/19/2019 16:18	PAINT	POST	WOOD		INTACT	BLUE	STORAGE	10	BASEMENT	Negative	0	0.02	0	0.02	0.4	1.5
136	2/19/2019 16:18	PAINT	DOOR	WOOD	A	INTACT	BROWN	STORAGE	10	BASEMENT	Positive	3.3	1.5	3.3	1.5	7.5	4.4

	4505 Filter Plant Rd Bellvue,CO.80512			City of Greeley			WEC# 19-16289										
	XRF Model# XLP300A			Serial# 95970			Sourced: 8/1/18										
	Inspertor: Chris Schiechl																
Reading No	Time	Type	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	ROOM TYPE	RM#	FLOOR	Results	PbC	PbC Error	PbL	PbL Error	PbK	PbK Error
137	2/19/2019 16:19	PAINT	DR. CASING	WOOD	A	INTACT	BLUE	STORAGE	10	BASEMENT	Positive	1.5	2.7	1.5	2.7	1.9	4.3
138	2/19/2019 16:20	PAINT	CEILING	DRYWALL		INTACT	WHITE	BEDROOM 4	11	BASEMENT	Negative	0	0.02	0	0.02	0.06	1.45
139	2/19/2019 16:20	PAINT	WALL	CONCRETE	A	INTACT	BLUE	BEDROOM 4	11	BASEMENT	Negative	0	0.02	0	0.02	0.5	1.1
140	2/19/2019 16:20	PAINT	WALL	CONCRETE	D	INTACT	BLUE	BEDROOM 4	11	BASEMENT	Negative	0	0.02	0	0.02	1	0.7
141	2/19/2019 16:21	PAINT	WALL	DRYWALL	B	INTACT	BLUE	BEDROOM 4	11	BASEMENT	Negative	0	0.02	0	0.02	-0.07	1.46
142	2/19/2019 16:21	PAINT	WALL	DRYWALL	C	INTACT	BLUE	BEDROOM 4	11	BASEMENT	Negative	0	0.02	0	0.02	0.05	1.43
143	2/19/2019 16:21	PAINT	BASEBOARD	WOOD	C	INTACT	WHITE	BEDROOM 4	11	BASEMENT	Negative	0.8	0.2	0.8	0.2	0.9	0.6
144	2/19/2019 16:21	PAINT	WNDW CASING	WOOD	D	INTACT	WHITE	BEDROOM 4	11	BASEMENT	Negative	0.8	0.2	0.8	0.2	1	0.7
145	2/19/2019 16:22	PAINT	WNDW SASH	WOOD	D	INTACT	WHITE	BEDROOM 4	11	BASEMENT	Positive	4	2.3	4	2.3	4.3	5.6
146	2/19/2019 16:22	PAINT	FLOOR	CONCRETE		INTACT	BLUE	BEDROOM 4	11	BASEMENT	Negative	0.02	0.03	0.02	0.03	0.3	1.16
147	2/19/2019 16:23	PAINT	DOOR	WOOD	C	INTACT	WHITE	BEDROOM 4	11	BASEMENT	Positive	1.3	0.3	1.3	0.3	1.4	0.9
148	2/19/2019 16:23	PAINT	DR. CASING	WOOD	C	INTACT	WHITE	BEDROOM 4	11	BASEMENT	Negative	0.5	0.3	0.5	0.3	0.6	1.7
149	2/19/2019 16:23	PAINT	DR. CASING	WOOD	B	INTACT	WHITE	BEDROOM 4	11	BASEMENT	Negative	0	0.02	0	0.02	0.16	1.38
150	2/19/2019 16:24	PAINT	BEAM	WOOD		INTACT	WHITE	BEDROOM 4	11	BASEMENT	Negative	0	0.02	0	0.02	0.17	1.44
151	2/19/2019 16:24	PAINT	BEAM SPRT	WOOD		INTACT	WHITE	BEDROOM 4	11	BASEMENT	Negative	0.7	0.3	0.7	0.3	1.2	0.7
152	2/19/2019 16:24	PAINT	CEILING	DRYWALL		INTACT	WHITE	UTILITY ROOM	12	BASEMENT	Negative	0	0.02	0	0.02	-0.08	1.58
153	2/19/2019 16:25	PAINT	WALL	DRYWALL	A	INTACT	WHITE	UTILITY ROOM	12	BASEMENT	Negative	0	0.02	0	0.02	0.08	1.47
154	2/19/2019 16:25	PAINT	WALL	DRYWALL	C	INTACT	WHITE	UTILITY ROOM	12	BASEMENT	Negative	0	0.02	0	0.02	-0.2	1.6
155	2/19/2019 16:25	PAINT	WALL	DRYWALL	D	INTACT	WHITE	UTILITY ROOM	12	BASEMENT	Negative	0	0.02	0	0.02	-0.01	1.53
156	2/19/2019 16:26	PAINT	WALL	CONCRETE	B	DETERIORATED	WHITE	UTILITY ROOM	12	BASEMENT	Negative	0	0.02	0	0.02	0.3	1.03
157	2/19/2019 16:26	PAINT	WNDW CASING	WOOD	B	DETERIORATED	WHITE	UTILITY ROOM	12	BASEMENT	Negative	0.8	0.2	0.8	0.2	1.1	0.8
158	2/19/2019 16:26	PAINT	WNDW SASH	WOOD	B	DETERIORATED	WHITE	UTILITY ROOM	12	BASEMENT	Positive	4.4	3.3	4.4	3.3	3.4	8.1
159	2/19/2019 16:27	PAINT	WNDW SASH	WOOD	B	DETERIORATED	WHITE	EXTERIOR		BASEMENT	Positive	3.5	1.9	3.5	1.9	6.7	6.6
160	2/19/2019 16:28	PAINT	TROUGH	WOOD	B	DETERIORATED	WHITE	EXTERIOR		BASEMENT	Positive	3.4	1.9	3.4	1.9	6.1	6.6
161	2/19/2019 16:30	PAINT	TROUGH	WOOD	B	DETERIORATED	WHITE	EXTERIOR		SECOND	Positive	11.1	8.9	9.5	9	11.1	8.9
162	2/19/2019 16:30	PAINT	WNDW SASH	WOOD	B	DETERIORATED	WHITE	EXTERIOR		SECOND	Positive	10.2	7.9	6.8	5.6	10.2	7.9
163	2/19/2019 16:31	PAINT	CALIBRATE								Null	0.9	0.1	0.9	0.1	1.1	0.6
164	2/19/2019 16:32	PAINT	CALIBRATE								Positive	1.1	0.1	1.1	0.1	0.8	0.4
165	2/19/2019 16:33	PAINT	CALIBRATE								Positive	1	0.1	1	0.1	0.7	0.4
166	2/19/2019 16:34	PAINT	CALIBRATE								Positive	1.1	0.1	1.1	0.1	0.7	0.5

# **AHERA Asbestos Survey Report for Renovation**

**of the building located at:**

The Residence at  
4505 Filter Plant Rd  
Bellvue, CO 80512

**Weecycle Job No.:** 19-16289

**Performed On:** 2/19/2019

**Prepared For:**

City of Greeley Water & Sewer Department  
4505 Filter Plant Road  
Bellvue, CO 80512



**Weecycle Environmental Consulting, Inc.**

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(303) 413-0452 Fax (303) 413-0710

280 W Kagy Blvd. Ste D259  
Bozeman, Montana 59715  
(406) 548-5450

February 25, 2019

Peter Champion  
City of Greeley Water & Sewer Department  
4505 Filter Plant Rd.  
Bellvue, CO 80512

RE: Asbestos Containing Building Materials Survey  
4505 Filter Plant Rd.  
Bellvue, CO 80512 (the Property)

Dear Mr. Champion,

Weecycle Environmental Consulting, Inc. is pleased to submit the attached Asbestos Containing Building Materials Survey report at the property. The report includes the scope of service, procedures and methodologies utilized, analytical results and summary of asbestos containing building materials identified by this survey.

The results of this Asbestos Containing Building Materials Survey determined that Asbestos Containing Building Materials **are** present in the building.

Weecycle Environmental Consulting, Inc. appreciates the opportunity to perform environmental services for the City of Greeley Water & Sewer Department and we look forward to working with you in the future. If you have questions or comments regarding the information in this report or need further assistance please contact Weecycle.

Sincerely,



Lauren York  
Director of Operations  
AHERA Building Inspector  
Management Planner



Chris Schiechl  
AHERA Building Inspector



# Table of Contents

1.0	SCOPE OF SERVICES .....	1
2.0	SITE DESCRIPTION.....	1
3.0	AHERA COMPLIANCE & REGULATORY STANDARDS .....	1
3.1	STATEMENT OF COMPLIANCE .....	4
4.0	ACM SURVEY .....	4
4.1	HAZARD ASSESSMENT FACTORS.....	8
4.2	SAMPLING STRATGEY .....	8
4.3	LABORATORY ANALYTICAL RESULTS .....	9
5.0	CONCLUSIONS.....	9
6.0	LIMITATIONS AND ASSUMPTIONS .....	10
7.0	INSPECTOR STATEMENT OF COMPLIANCE .....	11

## Appendix

- Appendix A** - Inspector Certification
- Appendix B**- Inspector Field Notes
- Appendix C** - Photographic Documentation
- Appendix D** - Laboratory Results
- Appendix E** - Site Illustrations

## **1.0 SCOPE OF SERVICES**

Weecycle Environmental Consulting was retained by the City of Greeley Water and Sewer Department to perform an AHERA building inspection for Asbestos Containing Building Materials (ACBM) at 4505 Filter plant Rd., Bellvue CO, 80512- The Residence. The inspection, conducted on February 16, 2019, consisted of a building walk-through, delineation and quantification of homogenous areas, collection of representative bulk samples, and delivery of bulk samples of suspect ACBM to an independent analytical laboratory.

## **2.0 SITE DESCRIPTION**

The description of the structures are based on site information, Weld County Property Report and observations made in the field during the site assessment.

This is a single family residence.

## **3.0 AHERA COMPLIANCE & REGULATORY STANDARDS**

This survey was performed in accordance with Federal, State and local regulations for conducting asbestos building surveys to meet Occupational Safety and Health Administration (OSHA), Environmental Protection Agency (EPA), and National Emission Standards for Hazardous Air Pollutants (NESHAP) requirements.

### **COLORADO AIR QUALITY CONTROL COMMISSION (CAQCC)**

Colorado Regulation 8 definitions and requirements include:

#### **I.B. Definitions:**

*“Renovation’ means altering in any way one or more facility components. Operations in which load-supporting structural members are wrecked or taken out are excluded. Examples of renovation work include replacement or repair of mechanical ventilation systems, pipes, ceilings, walls, flooring (including floor tiles) and insulating materials...”*

*“Demolition’ means the wrecking or taking out of any load-supporting structural member of a facility together with any related handling operations or the intentional burning of any facility...”*

#### **III.C.5. Asbestos Spill Response:**

*“In the event of an asbestos spill involving less than 50 linear feet on pipes,*

32 square feet on other surfaces, or the volume equivalent of one 55-gallon drum, the building owner **should...**" (Refer to pages 8.114 and 8.115 for exact recommendations).

*"In the event of an asbestos spill involving greater than 50 linear feet on pipes, 32 square feet on other surfaces, or the volume equivalent of one 55-gallon drum, the owner **shall...**" (Refer to page 8.115 for exact requirements).*

### **III.C.6. Renovation and Demolition Projects:**

*"Prior to any renovation or demolition in any single family housing which may disturb 50 linear feet of material on pipes, 32 square feet of material on other surfaces, or the volume equivalent of one 55-gallon drum of material identified by the EPA as a suspect asbestos-containing material, the facility component(s) to be affected by the renovation or demolition shall have an inspection performed by a building inspector certified under these regulations. The inspection must be performed to the AHERA standards as given in 40 CFR Part 763 (1992)."*

Note: Effective March 30, 2003, State Legislature, House Bill 1016 enacts a quantity change, as well as other regulatory requirements that will alter all of the following minimum level requirements. This format of quantities will remain the same with this notation, until CAQCC Regulation 8 is revised.

*"Prior to any renovation or demolition in any public or commercial building which may disturb 260 linear feet of material on pipes, 160 square feet of material on other surfaces, or the volume equivalent of one 55-gallon drum of material identified by the EPA as a suspect asbestos-containing material, the facility component(s) to be affected by the renovation or demolition shall have an inspection performed by a building inspector certified under these regulations. The inspection must be performed to the AHERA standards as given in 40 CFR Part 763 (1992)."*

## **NATIONAL EMISSION STANDARDS for HAZARDOUS AIR POLLUTANTS (NESHAPS)**

NESHAPS definitions and requirements include:

### **Section 61.141 Definitions:**

*"Renovation means altering a facility or one or more facility components in any way, including the stripping or removal of RACM from a facility component. Operations in which load-supporting structural members are wrecked or taken out are demolitions."*

*"Demolition means the wrecking or taking out of any load-supporting structural member of a facility together with any related handling operations"*

*or the intentional burning of any facility.”*

#### **Section 61.145 Standard of demolition and renovation:**

*“Prior to the commencement of the demolition or renovation, thoroughly inspect the affected facility or part of the facility or part of the facility where the demolition or renovation operation will occur for the presence of asbestos, including Category I and Category II no friable ACM...”*

*“If a facility is being demolished...if the combined amount of RACM is at least 260 linear feet on pipes or at least 160 square feet on other facility components, or at least 35 cubic feet off facility components where the length or area could not be measured previously...”*

*“In a facility being renovated, including any individual nonscheduled renovation operation, if the combined amount of RACM to be stripped, removed, dislodged, cut, drilled, or similarly disturbed... is at least 260 linear feet on pipes or at least 160 square feet on other facility components, or at least 35 cubic feet off facility components where the length or area could not be measured previously...”*

#### **Asbestos Hazard Emergency Response Act (AHERA)**

AHERA definitions and requirements include:

As referenced in 40 C.F.R. Part 763 (1992), “...requires a minimum number of samples for surfacing materials, thermal system insulating materials, and requires samples in a manner sufficient to determine whether the material is ACM or not ACM for miscellaneous materials.

#### **Occupational Safety and Health Administration (OSHA)**

OSHA definitions and requirements include: Any material that contains over one-percent (1%) of any type of Asbestos is considered Asbestos containing material (ACM) and must be handled according to OSHA and EPA regulations if disturbed.

Compliance and Implementation of OSHA 1926.1101 (replaces OSHA 1926.58) is required, as published, no later than October 01, 1995 which requires the Building Owner Methods of Compliance, Respiratory Protection, Hygiene Facilities and Practices for Employees. Communication of Hazards, Housekeeping, Medical Surveillance and the Designation and Training of Competent Persons, including: The Building/Facility Owner (including a lessee) must identify the presence, location and quantity of ACM and/or PACM (presumed asbestos-containing material) at the work site before beginning work.

The Building/Facility Owner must notify, (in writing or in person), the presence, location and quantity of ACM or PACM at the work sites to prospective

employers whose employees will work in or next to areas with ACM or PACM. Owner's employees who will work in or next to such areas, all employers on multi-employer worksites whose employees will work in or next to such areas, tenants who will occupy such areas, etc.

*“An employer or owner may demonstrate that PACM (Presumed Asbestos Containing Material) does not contain asbestos by the following: (A) Having an complete inspection conducted pursuant to the requirements of AHERA (40 CFR Part 763, Subpart E) which demonstrates that the material is not ACM; (B) Performing tests of the material containing PACM which demonstrates that no asbestos is present in the material...the tests, evaluation and sample collection shall be conducted by an accredited inspector.”*

Note: The aforementioned regulatory phrases are not the regulations in their entirety. Consult the regulatory agency, which may apply.

### 3.1 STATEMENT OF COMPLIANCE

Weecycle recommends the owner use consultants and contractors accredited under Section 206 (b) of the AHERA act and by the Colorado Department of Public Health and Environment Regulation No. 8 to perform the renovations in this facility. It is the responsibility of the owner to meet the requirements as stated in Federal Regulations 40 C.F.R. 763.84 and Colorado Regulation No. 8.

## 4.0 ACM SURVEY

Previously existing ACBM surveys were not made available to Weecycle.

During the current assessment, Weecycle Asbestos Building Inspector Chris Schiechl conducted the Asbestos Containing Building Materials (ACBM) survey on February 19, 2019. The entire building was available for inspection.

The scope of the asbestos containing building materials survey included all accessible suspect building material and interior and exterior building finishes, excluding building roofs.

Weecycle performed a visual inspection of all areas within the structure to determine the presence of suspected asbestos containing building materials. In accordance with AHERA sampling protocols and general industrial hygiene practices, Weecycle confirmed the square footage, determined the homogeneous areas and collected bulk samples of ACBM throughout the building to determine Bulk material samples were submitted CEI Labs (AIHA Lab ID 103025) for analysis by Polarized Light Microscopy (PLM).



Prior to collecting any samples, homogenous materials were identified and listed to develop a sampling plan. Homogenous areas are defined by AHERA protocol as an area, which appears similar throughout in terms of color, texture, and date of application. The number of samples collected from each homogenous area was based upon criteria detailed in the following sections. Per Title 40 Code of Federal Regulations Part 63.

Weecycle identified seventeen (17) Homogenous Areas at the property and collected forty-five (45) representative bulk samples of suspect asbestos-containing materials (ACM) were collected.

**Complete information on homogenous areas, material categories, friability, number of samples, results and square footage is included in Table 1, below. Laboratory Results are included in Appendix D**

**TABLE 1: Homogeneous Areas and Analytical Results**

Homogeneous Areas				Material Category	Friable (Y or N)	Samples		Location of Sampled Material	Asbestos Content	Total Square Feet
Area	Not Sampled (X)	Material	Location of Material			Number	ID			
P1		Plaster	Living Room Closet Walls and Ceiling; Bed 1 Walls and Ceiling Dining N & S Walls	S	Y	3	P1-1 P1-3 P1-3	Living Rm Closet Ceiling Bed 1 Ceiling Dining S Wall	ND	680
P2		Plaster	Living, & Dining Room Ceilings	S	Y	3	P2-4 P2-5 P2-6	Living Ceiling Dining Ceiling Dining Ceiling	ND	280
P3		Plaster	Living Room North & South Walls	S	Y	3	P3-7 P3-8 P3-9	Living N Wall Living N Wall Living S Wall	ND	320
P4		Plaster	Bed 1 Closet Walls and Ceiling; Stair 2 Ceiling and ½ Walls	S	Y	3	P4-10 P4-11 P4-12	Bed 1 Closet Ceiling Bed1 Closet N Wall Stair 2 E Wall	ND	310
P5		Plaster	Kitchen Walls and Ceiling	S	Y	3	P5-13 P5-14 P5-15	Kitchen Ceiling Kitchen E Wall Kitchen N Wall	ND	360
P6		Plaster	Laundry Closet Walls and Ceiling	S	Y	3	P6-16 P6-17 P6-18	Laundry Clst E Wall Laundry Clst S Wall Laundry Clst N Wall	ND	140
P7		Plaster	Stair 1 Ceiling Bed 2 Ceiling, Bed 2 N & S Walls, Bed 2 Closet Walls and Ceiling	S	Y	5	P7-19 P7-20 P7-21 P7-22 P7-23	Stair 1 Ceiling Bed 2 Ceiling Bed 2 Clst Ceiling Bed 3 Ceiling Bed 3 Clst Ceiling	ND	1800
P8		Plaster	Bed 3 E & W Walls	S	Y	3	P8-24 P8-25 P8-26	Bed 3 E Wall Bed 3 E Wall Bed 3 W Wall	ND	160
CCT		Concrete Texture	Utility S Wall, Storage N Wall	S	N	3	CCT1-27 CCT1-28 CCT1-29	Storage N Wall Storage N Wall Utility S Wall	2% Chrysotile	312

Homogeneous Areas				Material Category	Friable (Y or N)	Samples		Location of Sampled Material	Asbestos Content	Total Square Feet
Area	Not Sampled (X)	Material	Location of Material			Number	ID			
SF1		Sheet Flooring	Dining Room Under Carpet, may run under Kitchen Floor	M	Y	2	SF1-30 SF1-31	Dining Dining	ND	156
FT1		Floor Tile	Bedroom 2	M	N	2	FT1-32 FT1-33	Bed 2 Bed 2	3% Chrysotile Mastic ND	143
M1		Mortar	Kitchen Back Splash				M1-34 M1-35	Kitchen Back Splash Kitchen Back Splash	ND	60
CTA		Ceramic Tile Adhesive	Kitchen Back Splash				CTA1-36 CTA1-37	Kitchen Back Splash Kitchen Back Splash	ND	60
JC1		Joint Compound	All Basement Rooms	M	Y	2	JC1-38 JC1-39	Storage Ceiling Utility Ceiling	<1% Chrysotile Composite .20 Overall	200
SS		Seam Sealer	Ducts	M	Y	2	SS1-40 SS1-41	Ducts Ducts	ND	60
WG1		Window Glazing	1 <sup>st</sup> Floor Exterior Windows	M	N	2	WG1-42 WG1-43	1 <sup>st</sup> FI Exterior Window 1 <sup>st</sup> FI Exterior Window	2% Chrysotile	39
WG2		Window Glazing	Basement Exterior Windows	M	N	2	WG2-44 WG2-45	Bsmt Exterior Window Bsmt Exterior Window	2% Chrysotile	15
INS	X	Insulation	Attic – Fiber Glass					Not Sampled Not Suspect		

## 4.1 HAZARD ASSESSMENT FACTORS

Weecycle conducted a physical assessment of each identified homogeneous material. The assessment included determining the condition, potential for disturbance, and the friability of the material. By definition, friable materials are those which can be crumbled or reduced to powder by hand pressure when dry. Following the evaluation, each material was further classified into one of three categories, which have specific sampling protocol.

Surfacing Materials:	Refers to spray or trowel applied materials such as plaster, drywall texture, fireproofing, and spray applied acoustical textures.
Thermal System Insulation:	Refers to insulation used to inhibit thermal gain or loss on pipes, boilers, ducts and other building components.
Miscellaneous Materials:	Refers to friable and non-friable products and materials that do not fit into the above categories such as sheet flooring, floor tile, adhesives, and mastics, roofing material, window glazing or acoustical ceiling tile.

The condition of all confirmed ACBMs were evaluated as:

- good (no visible damage or showing only very limited damage),
- damaged (less than 25% localized damage or 10% distributed damage),
- significantly damaged (25% or greater localized damage or 10% or greater distributed damaged)

## 4.2 SAMPLING STRATGEY

In accordance with AHERA requirements and in compliance with 29 CFR 1926.1101 the asbestos inspection was conducted using a specified number of samples collected for each homogenous material

Analytical results which indicated that all the samples collected from a homogenous material were not contain asbestos, the material was considered non-ACM for all areas defined as part of that homogenous area. Samples from a homogenous area determined to contain asbestos in quantities of one percent (1%) or greater, were treated as ACM, regardless of any negative results for other samples collected from that homogenous area.

Miscellaneous materials require adequately representative sampling, which typically involves collecting one to three samples per material. Inspectors relied on observations of the quantity, condition and friability of the material to determine the sufficient number of samples needed to accurately evaluate the presence or

absence of asbestos in the material.

All samples collected in this survey were sealed in an air-tight container at the time of sampling, and then assigned a unique identification number which was recorded on a field notation sheet, the sample container and a chain of custody and then submitted to an accredited laboratory.

#### 4.3 LABORATORY ANALYTICAL RESULTS

Sixty-seven (67) bulk samples of ACBM were collected from the building and analyzed by Reservoirs Environmental, Inc. of Denver, Colorado OR CEI Labs Cary, North Carolina using Polarized Light Microscopy (PLM) according to EPA method 600/R-93/116. CEI Labs participates in the National Voluntary Laboratory Accreditation Program (NVLAP), a quality assurance program for PLM analysis.

Any materials that contains greater than one percent (1%) asbestos by PLM analysis is consider an ACM and must be handled in accordance with OSHA, EPA and applicable state and local regulations. In addition, OSHA defines ACM as building materials containing between one tenth percent and one percent (0.1-1.0%).

Materials which are determined to be “Non-Detect” by PLM analysis for asbestos content need no further verification by Point Counting Methodology. If the amount of asbestos is reported as “Trace”, or less than ten percent (10%) by PLM analysis, the client may either assume the amount to be greater than one percent (1%) and treat the material as ACM or conduct further analysis via Point Count Mythology. If the results of the Point Count differ from the initial PLM result, the Point Count results shall be used.

Appendix A of this report contains the Inspector Certifications. Inspector Field Notes are located in Appendix B and Photographic Documentation in Appendix C. And the laboratory analytical report and chain of custody are included in Appendix E. Appendix F contains drawings of the building with sample locations and depictions of areas determined to contain ACBM

#### 5.0 CONCLUSIONS

The results of this asbestos building survey conducted at the Property, indicate the following:

**Four (4) of the suspect building materials sampled were found to contain more than one percent (1%) asbestos.** Laboratory results are included in Appendix D of this report.



**Table 2: Asbestos Containing Material for Main House**

<b>HOMO #</b>	<b>Homogeneous Material</b>	<b>Location of Material</b>	<b>Percentage of Asbestos</b>	<b>Total Square Feet</b>
<b>CCT</b>	<b>Concreate Texture</b>	<b>Utility S Wall, Storage N Wall</b>	<b>2% Chrysotile</b>	<b>312</b>
<b>FT1</b>	<b>Floor Tile</b>	<b>Bed 2</b>	<b>3% Chrysotile Mastic ND</b>	<b>143</b>
<b>WG1</b>	<b>Window Glazing</b>	<b>1<sup>st</sup> Floor Exterior Windows</b>	<b>2% Chrysotile</b>	<b>39</b>
<b>WG2</b>	<b>Window Glazing</b>	<b>Beasement Exterior Windows</b>	<b>2% Chrysotile</b>	<b>15</b>

**Any materials, not identified in this report, discovered during renovation or demolition must be sampled by a Colorado State Certified Asbestos Inspector prior to proceeding with work.**

**Assumed Materials:**

- **None**

Contractors and employees working in this building should be made aware of the possibility that concealed ACBM may be found during renovation or demolition. Any discovered material must not be disturbed without consulting the owner or manager of the building to determine if those materials were previously identified and sampled to determine if it was ACBM.

Suspect material discovered during renovation or demolition and not identified in this report must be sampled for ACBM by a Certified Asbestos Inspector prior to proceeding with work.

At the time of this report, the EPA has not prohibited the manufacture and import of miscellaneous materials, such as vinyl floorings, mastics, roofing materials, etc., which may be asbestos containing. As a result, Weecycle recommends testing of future replacement materials for the presence of asbestos prior to installation.

## **6.0 LIMITATIONS AND ASSUMPTIONS**

Weecycle Environmental Consulting, Inc. and the findings presented in this Asbestos Survey Report make no representations or assumption as to past and/or future conditions/occurrences of the specific areas surveyed and are based solely on the conditions that were noted in this report.

The selection of sample locations and frequency of sampling was based on

Weecycle's observations and the assumption that like materials in the same area are homogenous in content (as per AHERA definitions).

The inspection **did not** incorporate destructive sampling techniques. It is possible that asbestos-containing materials may be concealed within structures and not identified in this report.


Weecycle is not responsible or liable for any opinions, conclusions or recommendations provided by others regarding the data presented in this Asbestos Survey Report.

## 7.0 INSPECTOR STATEMENT OF COMPLIANCE

As the certified Inspector responsible for the development of this Inspection Report, I certify that it has been written and reviewed in a manner of full compliance with applicable rules and regulations as required by Federal regulations and State of Colorado Regulation No. 8 USEPA/CDPHE Inspector

Signature:   
CDPHE Certification No. 3748

Date: 2/19/19  
Exp. Date: 3/1/2019

Signature:   
CDPHE Certification No. 13463

Date: 2/19/19  
Exp. Date: 2/22/2019

All certifications can be found in Appendix A.

**Appendix A:**  
Inspector Certifications





Colorado Department  
of Public Health  
and Environment

## ASBESTOS CERTIFICATION\*

This certifies that

**Chris Schiechl**

**Certification No.: 15586**

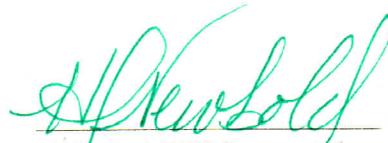
has met the requirements of 25-7-507, C.R.S. and Air Quality Control  
Commission Regulation No. 8, Part B, and is hereby certified by the  
state of Colorado in the following discipline:

**Building Inspector\***

**Issued: February 22, 2018**

**Expires: February 22, 2019**

*\* This certificate is valid only with the possession of a  
current Division-approved training course certification  
in the discipline specified above.*

  
Authorized APCD Representative  
SEAL

## **Appendix B:**

### Inspector Field Notes



Project Address: \_\_\_\_\_

Date: \_\_\_\_\_


Project Number: \_\_\_\_\_

Inspector: \_\_\_\_\_

Page 1

**WALLS & CEILING**

ID (i.e. "A")	Material Description	Room Location

Inspector Signature:  \_\_\_\_\_ Date: \_\_\_\_\_

Project Address: \_\_\_\_\_

Date: \_\_\_\_\_

Project Number: \_\_\_\_\_

Inspector: \_\_\_\_\_

Page 3

**FLOORS**

ID (i.e. "A")	Material Description	Room Location

**MISCELLANEOUS**

ID (i.e. "A")	Material Description	Room Location



Project Address: \_\_\_\_\_  
Project Number: \_\_\_\_\_  
Inspector: \_\_\_\_\_

Date: \_\_\_\_\_


**WALLS & CIELINGS CONTINUED**

ID (i.e. "A")	Material Description	Room Location

Project Address: \_\_\_\_\_

Project Number: \_\_\_\_\_ Inspector: \_\_\_\_\_

Weecycle Sample Identification	Sample Description	Sample Location	Sq. Footage

Inspector Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Project Address:** \_\_\_\_\_

**Project Number:** \_\_\_\_\_ **Inspector:** \_\_\_\_\_

[illegible]

**Project Address:** \_\_\_\_\_

**Project Number:** \_\_\_\_\_ **Inspector:** \_\_\_\_\_

[illegible]

Project Address: \_\_\_\_\_

Project Number: \_\_\_\_\_ Inspector: \_\_\_\_\_

Page 2

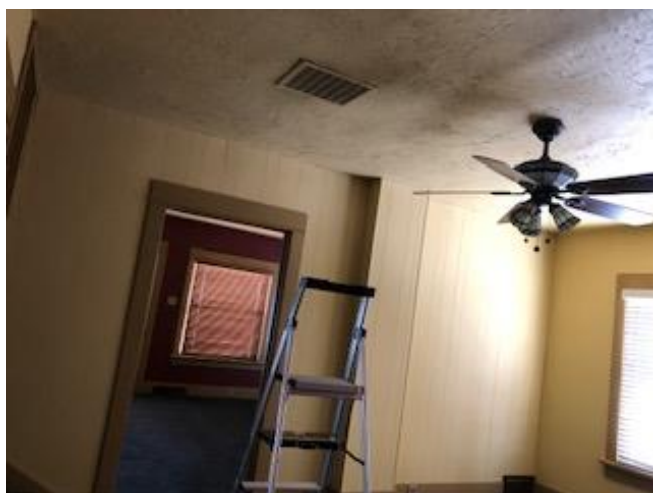
INSPECTION CHECKLIST	YES	NO	N/A	Comments
Access to attic at time of inspection				
Suspect attic insulation sampled				
Suspect wall insulation sampled				
Suspect window material sampled				
Suspect duct insulation material sampled				
Suspect boiler material sampled				
Suspect furnace material sampled				
Suspect roofing material sampled				
Suspect electrical wiring present				
Suspect electrical wiring sampled				
Suspect floor tile sampled				
Flooring inspected under carpet				
Sq. footage of homogeneous areas measured				
Any area inaccessible during time of inspection (if yes, indicate in comments section to right)				
Was photo documentation collected at time of inspection				
Description of Building: General # of rooms and exterior siding Residential or Commercial?				
Condition of Building Materials Sampled	Good	Poor	N/A	



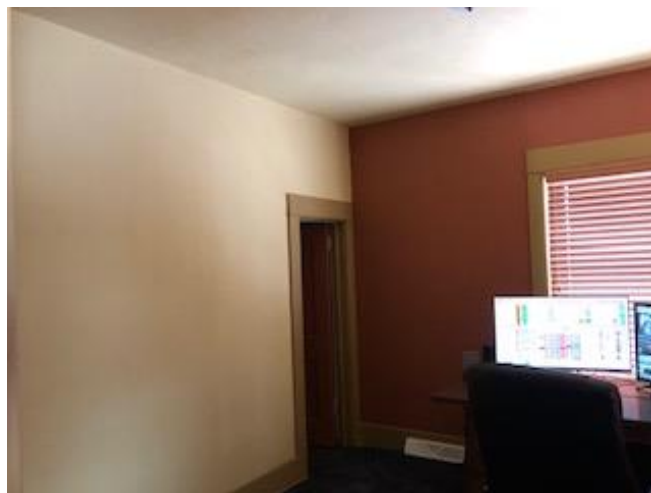
## **Appendix C:**

### Photographic Documentation









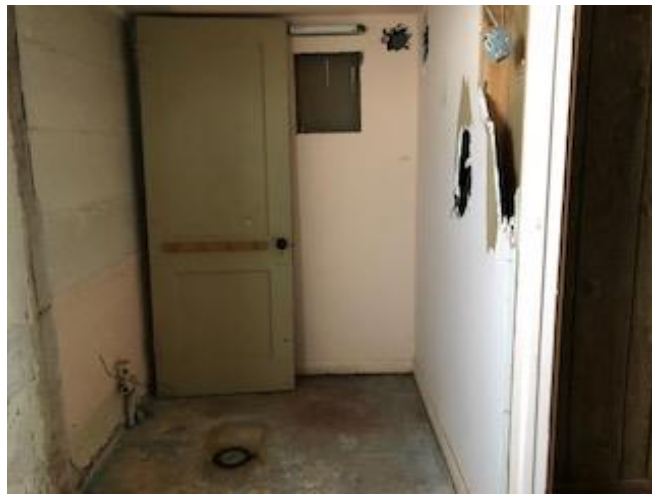










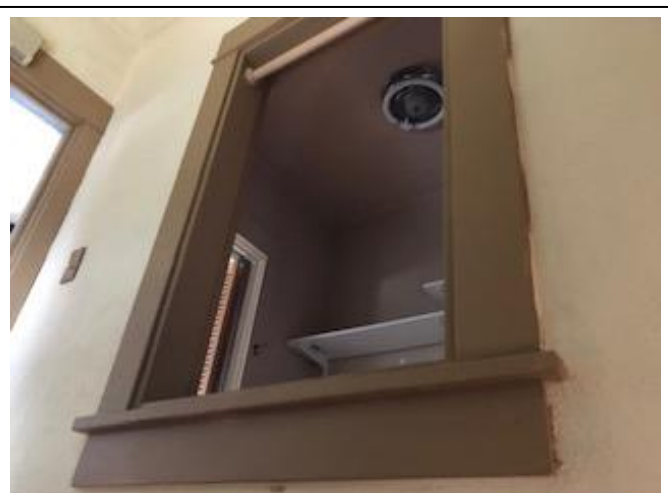






















## **Appendix D:** Laboratory Results

February 25, 2019

Weecycle Environmental Consulting, Inc  
1208 Commerce Court, 5B  
Lafayette, CO 80026

**CLIENT PROJECT:** 4505 Filter Plant Rd. Bellvue, CO 80512 (House), 19-16289  
**CEI LAB CODE:** A193577

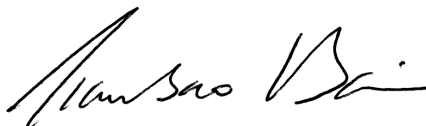
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on February 20, 2019. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director

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## **ASBESTOS ANALYTICAL REPORT**

### **By: Polarized Light Microscopy**

Prepared for

**Weecycle Environmental Consulting, Inc**

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CLIENT PROJECT: 4505 Filter Plant Rd. Bellvue, CO 80512 (House), 19  
-16289

LAB CODE: A193577

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 02/25/19

TOTAL SAMPLES ANALYZED: 45

# SAMPLES >1% ASBESTOS: 8



CEI

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** 4505 Filter Plant Rd. Bellvue, CO 80512      **LAB CODE:** A193577  
(House), 19-16289

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
P1-1		A52218	Off-white	Plaster	None Detected
P1-2		A52219	Off-white	Plaster	None Detected
P1-3		A52220	Off-white	Plaster	None Detected
P2-4		A52221	Off-white	Plaster	None Detected
P2-5		A52222	Off-white	Plaster	None Detected
P2-6		A52223	Off-white	Plaster	None Detected
P3-7		A52224	Gray	Plaster	None Detected
P3-8		A52225	Gray	Plaster	None Detected
P3-9	Layer 1	A52226	Off-white	Plaster Skim Coat	None Detected
	Layer 2	A52226	Gray	Plaster Base Coat	None Detected
P4-10		A52227	Gray	Plaster	None Detected
P4-11		A52228	Gray	Plaster	None Detected
P4-12		A52229	Gray	Plaster	None Detected
P5-13	Layer 1	A52230	Off-white	Plaster Skim Coat	None Detected
	Layer 2	A52230	Gray	Plaster Base Coat	None Detected
P5-14	Layer 1	A52231	Off-white	Plaster Skim Coat	None Detected
	Layer 2	A52231	Gray	Plaster Base Coat	None Detected
P5-15	Layer 1	A52232	Off-white	Plaster Skim Coat	None Detected
	Layer 2	A52232	Gray	Plaster Base Coat	None Detected
P6-16		A52233	Gray	Plaster	None Detected
P6-17		A52234	Gray	Plaster	None Detected
P6-18		A52235	Gray	Plaster	None Detected
P7-19		A52236	Gray	Plaster	None Detected
P7-20		A52237	Gray	Plaster	None Detected
P7-21		A52238	Gray	Plaster	None Detected
P7-22		A52239	Gray	Plaster	None Detected
P7-23		A52240	Gray	Plaster	None Detected
P8-24		A52241	Gray	Plaster	None Detected
P8-25		A52242	Gray	Plaster	None Detected
P8-26		A52243	Gray	Plaster	None Detected
CCT1-27		A52244	Off-white	Concrete Texture	Chrysotile 2%

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** 4505 Filter Plant Rd. Bellvue, CO 80512      **LAB CODE:** A193577  
(House), 19-16289

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
CCT1-28		A52245	Off-white	Concrete Texture	Chrysotile 2%
CCT1-29		A52246	Off-white	Concrete Texture	Chrysotile 2%
SF1-30		A52247A	Tan	Sheet Flooring	None Detected
		A52247B	Brown	Mastic	None Detected
SF1-31		A52248A	Tan	Sheet Flooring	None Detected
		A52248B	Brown	Mastic	None Detected
FT1-32		A52249A	Off-white	Floor Tile	Chrysotile 3%
		A52249B	Yellow,Black	Mastic	None Detected
FT1-33		A52250A	Off-white	Floor Tile	Chrysotile 3%
		A52250B	Yellow,Black	Mastic	None Detected
M1-34		A52251	White	Mortar	None Detected
M1-35		A52252	White	Mortar	None Detected
CT+A1-36		A52253A	White	Ceramic Tile	None Detected
		A52253B	Yellow	Adhesive	None Detected
	Layer 1	A52253C	White	Plaster Skim Coat	None Detected
	Layer 2	A52253C	Gray	Plaster Base Coat	None Detected
CT+A1-37		A52254A	White	Ceramic Tile	None Detected
		A52254B	Yellow	Adhesive	None Detected
	Layer 1	A52254C	White	Plaster Skim Coat	None Detected
	Layer 2	A52254C	Gray	Plaster Base Coat	None Detected
JC1-38		A52255	Beige	Drywall/Joint Compound	Chrysotile <1%
JC1-39		A52256	Beige	Drywall/Joint Compound	Chrysotile <1%
SS1-40		A52257	Gray	Seam Sealer	None Detected
SS1-41		A52258	Gray	Seam Sealer	None Detected
WG1-42		A52259	Beige	Window Glazing	Chrysotile 2%
WG1-43		A52260	Beige	Window Glazing	Chrysotile 2%
WG2-44		A52261	Beige	Window Glazing	Chrysotile 2%
WG2-45		A52262	Beige	Window Glazing	None Detected



# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Weecycle Environmental Consulting, Inc  
1208 Commerce Court, 5B  
Lafayette, CO 80026

**Lab Code:** A193577  
**Date Received:** 02-20-19  
**Date Analyzed:** 02-25-19  
**Date Reported:** 02-25-19

**Project:** 4505 Filter Plant Rd. Bellvue, CO 80512 (House), 19-16289

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
P1-1 A52218	Plaster	Heterogeneous	<1%	Cellulose	15%	Paint	None Detected
		Off-white			75%	Calc Carb	
		Fibrous			10%	Silicates	
		Bound					
P1-2 A52219	Plaster	Heterogeneous	<1%	Cellulose	15%	Paint	None Detected
		Off-white			60%	Binder	
		Fibrous			25%	Silicates	
		Bound					
P1-3 A52220	Plaster	Heterogeneous	<1%	Cellulose	15%	Paint	None Detected
		Off-white			75%	Calc Carb	
		Fibrous			10%	Silicates	
		Bound					
P2-4 A52221	Plaster	Heterogeneous	<1%	Cellulose	15%	Paint	None Detected
		Off-white			75%	Calc Carb	
		Fibrous			10%	Silicates	
		Bound					
P2-5 A52222	Plaster	Heterogeneous	<1%	Cellulose	15%	Paint	None Detected
		Off-white			75%	Calc Carb	
		Fibrous			10%	Silicates	
		Bound					
P2-6 A52223	Plaster	Heterogeneous	<1%	Cellulose	15%	Paint	None Detected
		Off-white			75%	Calc Carb	
		Fibrous			10%	Silicates	
		Bound					
P3-7 A52224	Plaster	Heterogeneous	<1%	Cellulose	15%	Paint	None Detected
		Gray			60%	Binder	
		Fibrous			25%	Silicates	
		Bound					

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Weecycle Environmental Consulting, Inc  
1208 Commerce Court, 5B  
Lafayette, CO 80026

**Lab Code:** A193577  
**Date Received:** 02-20-19  
**Date Analyzed:** 02-25-19  
**Date Reported:** 02-25-19

**Project:** 4505 Filter Plant Rd. Bellvue, CO 80512 (House), 19-16289

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>P3-8</b> A52225	Plaster	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	15% 60% 25%	Paint Binder Silicates	None Detected
<b>P3-9</b> Layer 1 A52226	Plaster Skim Coat	Heterogeneous Off-white Fibrous Bound	<1%	Cellulose	15% 75% 10%	Paint Calc Carb Silicates	None Detected
Layer 2 A52226	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	65% 35%	Binder Silicates	None Detected
<b>P4-10</b> A52227	Plaster	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	60% 25% 15%	Binder Silicates Paint	None Detected
<b>P4-11</b> A52228	Plaster	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	60% 25% 15%	Binder Silicates Paint	None Detected
<b>P4-12</b> A52229	Plaster	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	60% 25% 15%	Binder Silicates Paint	None Detected
<b>P5-13</b> Layer 1 A52230	Plaster Skim Coat	Heterogeneous Off-white Fibrous Bound	<1%	Cellulose	15% 75% 10%	Paint Calc Carb Silicates	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Weecycle Environmental Consulting, Inc  
1208 Commerce Court, 5B  
Lafayette, CO 80026

**Lab Code:** A193577  
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**Date Reported:** 02-25-19

**Project:** 4505 Filter Plant Rd. Bellvue, CO 80512 (House), 19-16289

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 A52230	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	65% 35%	Binder Silicates	None Detected
P5-14 Layer 1 A52231	Plaster Skim Coat	Heterogeneous Off-white Fibrous Bound	<1%	Cellulose	15% 75% 10%	Paint Calc Carb Silicates	None Detected
Layer 2 A52231	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	65% 35%	Binder Silicates	None Detected
P5-15 Layer 1 A52232	Plaster Skim Coat	Heterogeneous Off-white Fibrous Bound	<1%	Cellulose	15% 75% 10%	Paint Calc Carb Silicates	None Detected
Layer 2 A52232	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	65% 35%	Binder Silicates	None Detected
P6-16 A52233	Plaster	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	60% 25% 15%	Binder Silicates Paint	None Detected
P6-17 A52234	Plaster	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	60% 25% 15%	Binder Silicates Paint	None Detected

# ASBESTOS BULK ANALYSIS

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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>P6-18</b> A52235	Plaster	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	60% 25% 15%	Binder Silicates Paint	None Detected
<b>P7-19</b> A52236	Plaster	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	60% 25% 15%	Binder Silicates Paint	None Detected
<b>P7-20</b> A52237	Plaster	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	60% 25% 15%	Binder Silicates Paint	None Detected
<b>P7-21</b> A52238	Plaster	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	60% 25% 15%	Binder Silicates Paint	None Detected
<b>P7-22</b> A52239	Plaster	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	60% 25% 15%	Binder Silicates Paint	None Detected
<b>P7-23</b> A52240	Plaster	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	60% 25% 15%	Binder Silicates Paint	None Detected
<b>P8-24</b> A52241	Plaster	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	60% 25% 15%	Binder Silicates Paint	None Detected

# ASBESTOS BULK ANALYSIS

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**Client:** Weecycle Environmental Consulting, Inc  
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Lafayette, CO 80026

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**Project:** 4505 Filter Plant Rd. Bellvue, CO 80512 (House), 19-16289

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>P8-25</b> A52242	Plaster	Heterogeneous	<1%	Cellulose	60%	Binder	None Detected
		Gray			25%	Silicates	
		Fibrous			15%	Paint	
		Bound					
<b>P8-26</b> A52243	Plaster	Heterogeneous	<1%	Cellulose	60%	Binder	None Detected
		Gray			25%	Silicates	
		Fibrous			15%	Paint	
		Bound					
<b>CCT1-27</b> A52244	Concrete Texture	Heterogeneous	<1%	Cellulose	10%	Paint	2% Chrysotile
		Off-white			73%	Calc Carb	
		Fibrous			15%	Silicates	
		Bound					
<b>CCT1-28</b> A52245	Concrete Texture	Heterogeneous	<1%	Cellulose	10%	Paint	2% Chrysotile
		Off-white			73%	Calc Carb	
		Fibrous			15%	Silicates	
		Bound					
<b>CCT1-29</b> A52246	Concrete Texture	Heterogeneous	<1%	Cellulose	10%	Paint	2% Chrysotile
		Off-white			73%	Calc Carb	
		Fibrous			15%	Silicates	
		Bound					
<b>SF1-30</b> A52247A	Sheet Flooring	Heterogeneous	50%	Cellulose	25%	Binder	None Detected
		Tan			25%	Vinyl	
		Fibrous					
		Bound					
A52247B	Mastic	Heterogeneous			100%	Mastic	None Detected
		Brown					
		Non-fibrous					
		Bound					

# ASBESTOS BULK ANALYSIS

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**Project:** 4505 Filter Plant Rd. Bellvue, CO 80512 (House), 19-16289

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
SF1-31 A52248A	Sheet Flooring	Heterogeneous	50%	Cellulose	25%	Binder	None Detected
		Tan Fibrous Bound			25%	Vinyl	
A52248B	Mastic	Heterogeneous Brown Non-fibrous Bound			100%	Mastic	None Detected
FT1-32 A52249A	Floor Tile	Heterogeneous			62%	Vinyl	3% Chrysotile
		Off-white Fibrous Bound			35%	Silicates	
A52249B	Mastic	Heterogeneous Yellow,Black Non-fibrous Bound			100%	Mastic	None Detected
FT1-33 A52250A	Floor Tile	Heterogeneous			62%	Vinyl	3% Chrysotile
		Off-white Fibrous Bound			35%	Silicates	
A52250B	Mastic	Heterogeneous Yellow,Black Non-fibrous Bound			100%	Mastic	None Detected
M1-34 A52251	Mortar	Heterogeneous	<1%	Cellulose	85%	Calc Carb	None Detected
		White Fibrous Bound			15%	Silicates	

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**Project:** 4505 Filter Plant Rd. Bellvue, CO 80512 (House), 19-16289

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
M1-35 A52252	Mortar	Heterogeneous White Fibrous Bound	<1%	Cellulose	85% 15%	Calc Carb Silicates	None Detected
CT+A1-36 A52253A	Ceramic Tile	Heterogeneous White Non-fibrous Bound			75% 25%	Binder Silicates	None Detected
A52253B	Adhesive	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
Layer 1 A52253C	Plaster Skim Coat	Heterogeneous White Fibrous Bound	<1%	Cellulose	90% 10%	Calc Carb Silicates	None Detected
Layer 2 A52253C	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1%	Cellulose Hair	65% 35%	Binder Silicates	None Detected
CT+A1-37 A52254A	Ceramic Tile	Heterogeneous White Non-fibrous Bound			75% 25%	Binder Silicates	None Detected
A52254B	Adhesive	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected

# ASBESTOS BULK ANALYSIS

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## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 1 A52254C	Plaster Skim Coat	Heterogeneous White Fibrous Bound	<1%	Cellulose	90% 10%	Calc Carb Silicates	None Detected
Layer 2 A52254C	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1% <1%	Cellulose Hair	65% 35%	Binder Silicates	None Detected
JC1-38 A52255	Drywall/Joint Compound	Heterogeneous Beige Fibrous Bound	5%	Cellulose	10% 75% 10%	Paint Gypsum Calc Carb	<1% Chrysotile
Lab Notes: 2% Chrysotile found in Joint compound. Sample contains 10% joint compound. Composite contains 0.2% Chrysotile overall.							
JC1-39 A52256	Drywall/Joint Compound	Heterogeneous Beige Fibrous Bound	5%	Cellulose	10% 75% 10%	Paint Gypsum Calc Carb	<1% Chrysotile
Lab Notes: 2% Chrysotile found in Joint compound. Sample contains 10% joint compound. Composite contains 0.2% Chrysotile overall.							
SS1-40 A52257	Seam Sealer	Heterogeneous Gray Non-fibrous Bound			85% 15%	Binder Silicates	None Detected
SS1-41 A52258	Seam Sealer	Heterogeneous Gray Non-fibrous Bound			85% 15%	Binder Silicates	None Detected



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**Project:** 4505 Filter Plant Rd. Bellvue, CO 80512 (House), 19-16289

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
WG1-42 A52259	Window Glazing	Heterogeneous	<1%	Cellulose	10%	Paint	2% Chrysotile
		Beige			68%	Binder	
		Fibrous			20%	Silicates	
		Bound					
WG1-43 A52260	Window Glazing	Heterogeneous	<1%	Cellulose	10%	Paint	2% Chrysotile
		Beige			68%	Binder	
		Fibrous			20%	Silicates	
		Bound					
WG2-44 A52261	Window Glazing	Heterogeneous	<1%	Cellulose	10%	Paint	2% Chrysotile
		Beige			68%	Binder	
		Fibrous			20%	Silicates	
		Bound					
WG2-45 A52262	Window Glazing	Heterogeneous	<1%	Cellulose	10%	Paint	None Detected
		Beige			70%	Binder	
		Fibrous			20%	Silicates	
		Bound					

---

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**LEGEND:**      Non-Anth      = Non-Asbestiform Anthophyllite  
                      Non-Trem      = Non-Asbestiform Tremolite  
                      Calc Carb      = Calcium Carbonate

---

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

---

**REPORTING LIMIT:** <1% by visual estimation

---

**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

---

**REGULATORY LIMIT:** >1% by weight

---

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

**ANALYST:** Carly Goodman  
    Carly Goodman

**APPROVED BY:** Tianbao Bai  
    Tianbao Bai, Ph.D., CIH  
    Laboratory Director



CEI

730 SE Maynard Road, Cary, NC 27511  
Tel: 866-481-1412; Fax: 919-481-1442

## CHAIN OF CUSTODY

LAB USE ONLY:

CEI Lab Code:

CEI Lab I.D. Range:

COMPANY INFORMATION		PROJECT INFORMATION	
GEI CLIENT #:		Job Contact:	CHRIS Schiechl
Company:	Worcester Env.	Email / Tel:	303-859-0830
Address:	1208 Commerce Ct. # 5B Lafayette CO. 80026	Project Name:	4505 Filter Plant Rd. Bellvue, CO 80512
Email:		Project ID#:	19-16289 (House)
Tel:		PO #:	City Greeley
Fax:		STATE SAMPLES COLLECTED IN:	CO

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR (PCME)	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05 (2010)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09 (2014)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM QUALITATIVE	IN-HOUSE METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:

☒ Accept Samples  
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
	2/19/19 6:00pm Fox/EX		2/20 10:20

Samples will be disposed of 30 days after analysis





CEI

A193577  
SAMPLING FORM

## COMPANY CONTACT INFORMATION

Company: Weecycle Env.

Job Contact: Chris Schiechl

Project Name: 4505 Filter Plant Rd. Bellvue, CO. 80512

Project ID #: 19-16289 (House)

Tel: 303-859-0830

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P1-1	Plaster		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P1-2			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P1-3			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P2-4			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P2-5			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P2-6			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P3-7			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P3-8			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P3-9			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P4-10			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P4-11			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P4-12			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P5-13			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P5-14			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P5-15			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P6-16			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P6-17			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P6-18			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P7-19			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P7-20			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P7-21			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P7-22			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P7-23			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P8-24			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P8-25			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
P8-26			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
CCT1-27	Concrete Texture		PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>
CCT1-28			PLM	<input type="checkbox"/>	TEM	<input type="checkbox"/>

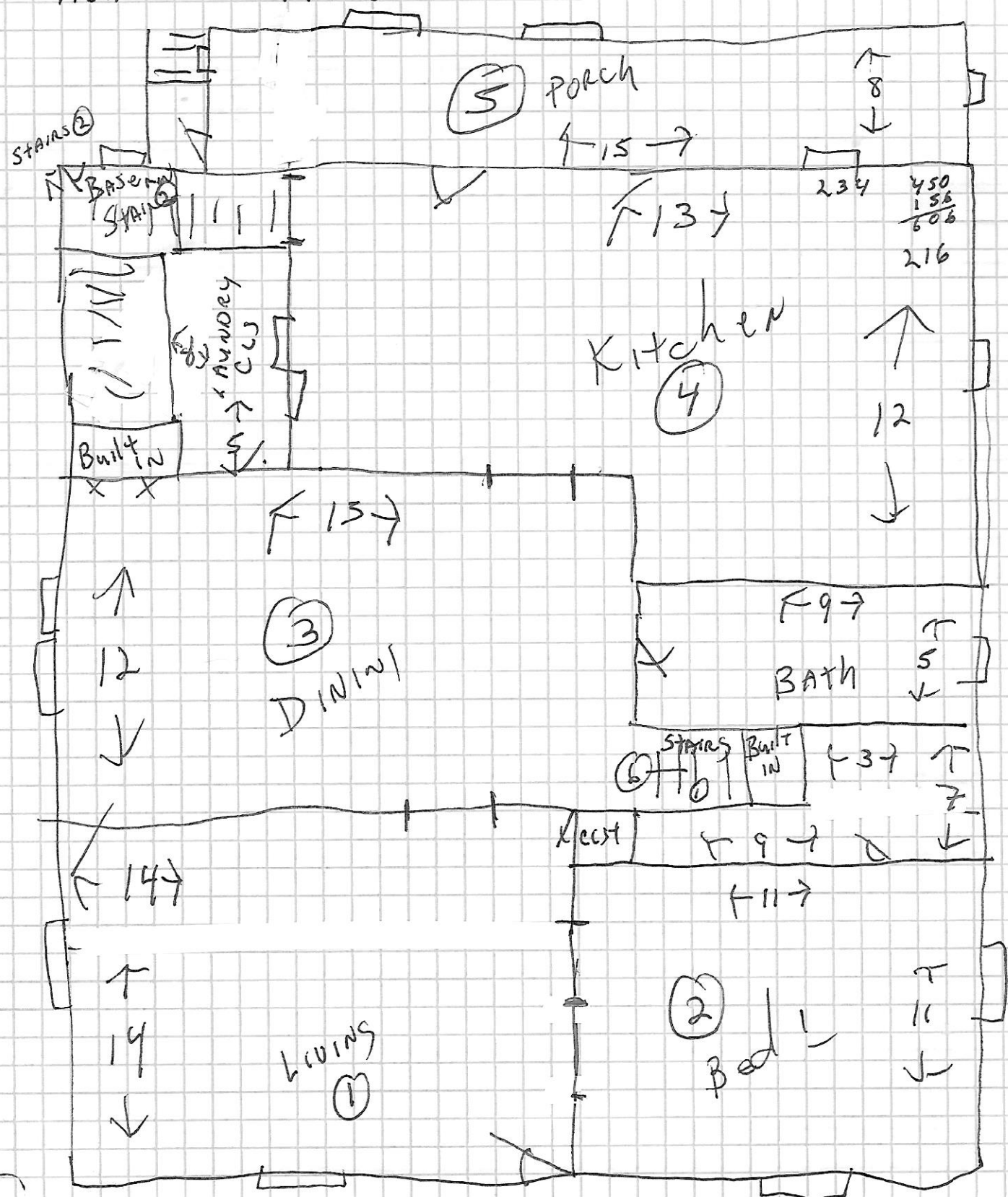


## **Appendix E:** Site Illustrations



4505 Filter Plant Rd Bellevue, CO. 80512  
House 19-16289

1st Fl.  
Ceiling 9'

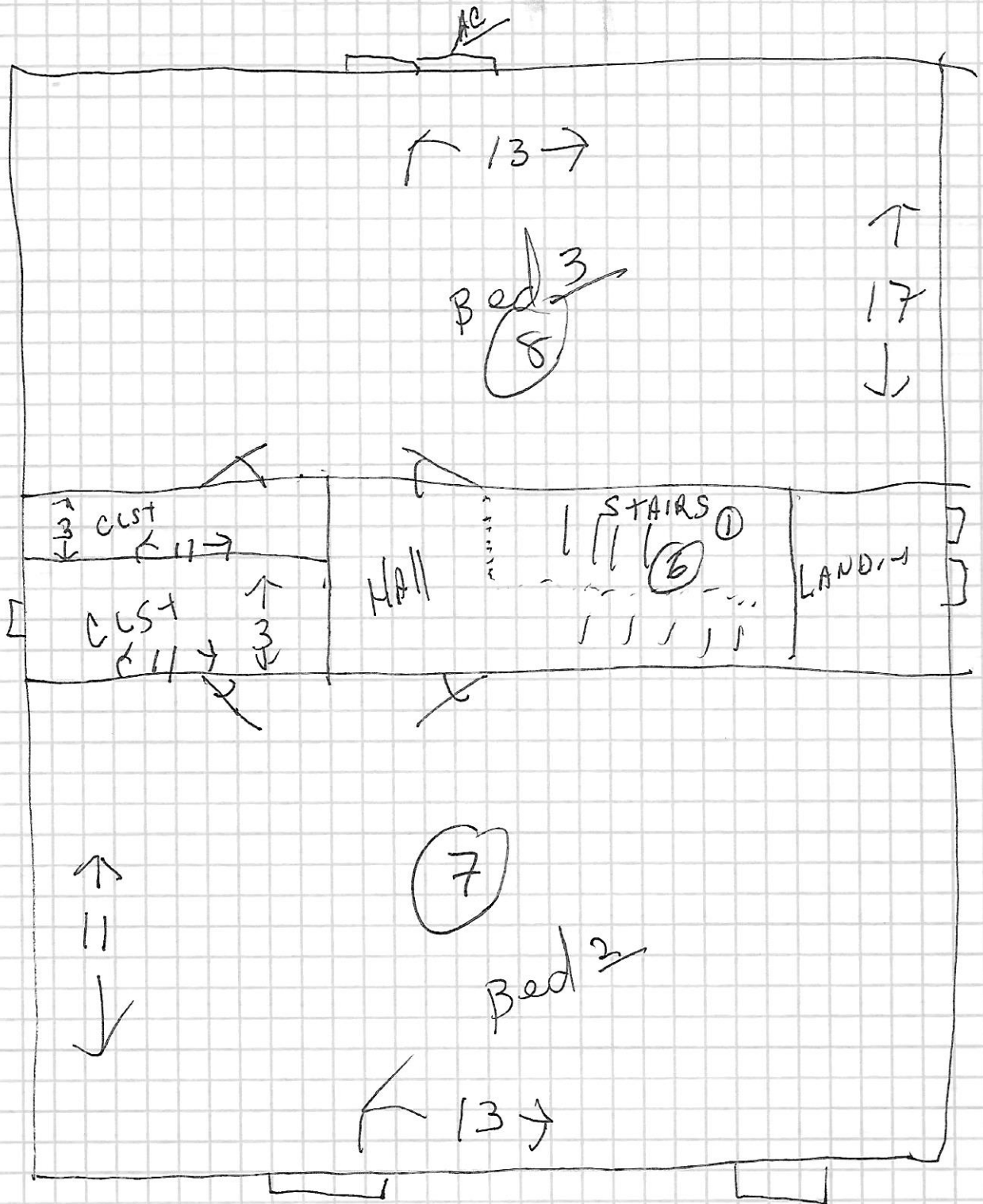


Bedroom with wood

B/S C/W  
A/E DIN

19-16289

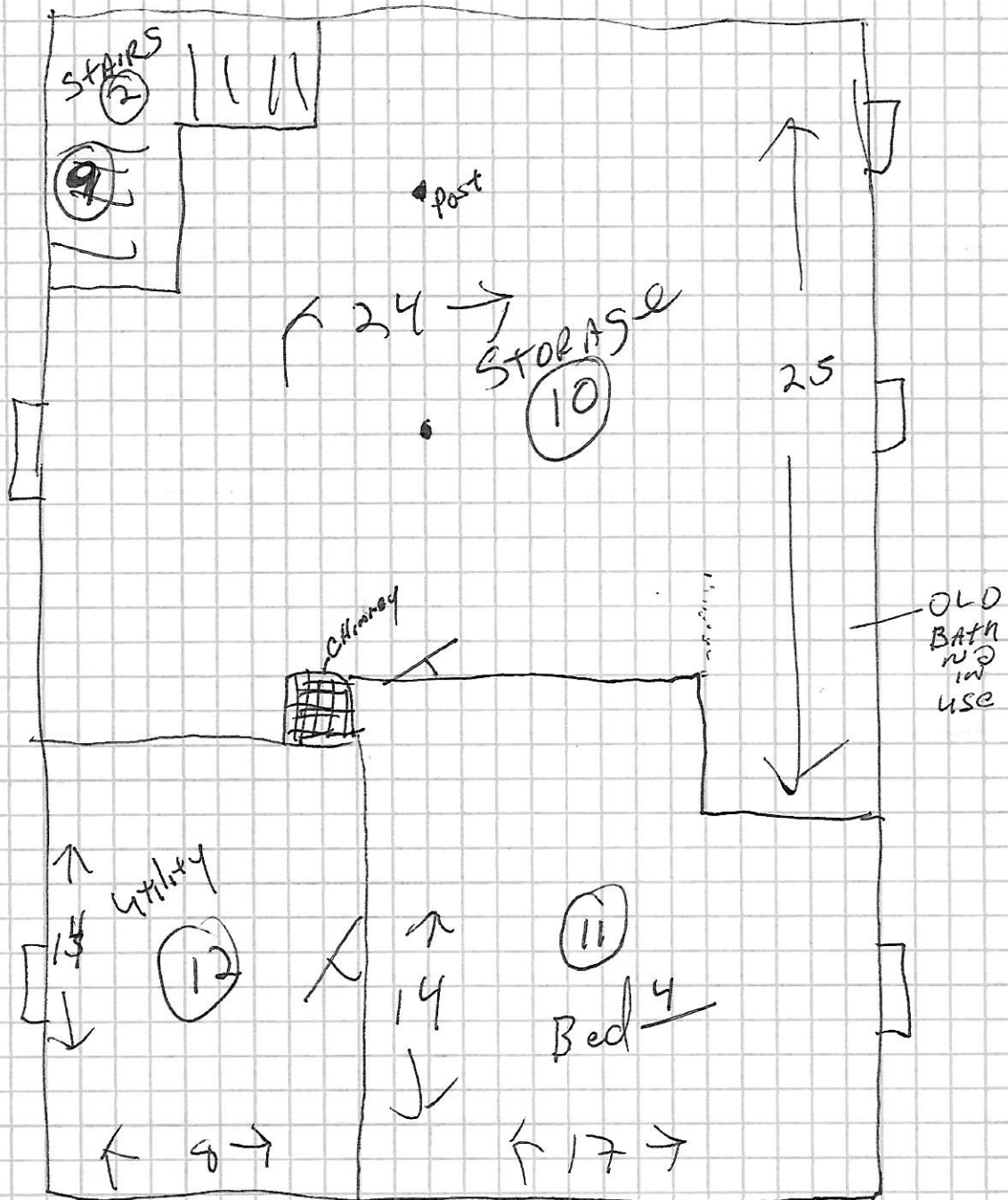
2ND FLOOR



B/S C/W  
A/E D/N

19-16289

Basement



b