

LIMITED ASBESTOS INSPECTION REPORT

For
DEMOLITION
At

**1501 Edison Ave.
La Junta, CO 81050**



Report By:
All-Phase Environmental Consultants Inc.
721 West 9th Street
Pueblo, Colorado 81003
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Project# 17-2824

Subject Property:

1501 Edison Ave.
La Junta, CO 81050

Date(s) of Inspection: July 14, 2017

***This document is not intended to be used as a bid spec, work plan, scope of work or similar**

I. INTRODUCTION

On July 14, 2017, Logan Greenfield and Rick Ralston of All-Phase Environmental Consultants Inc. (APEC) performed a Limited Asbestos Inspection for a Demolition on suspect materials at the Subject Property, 1501 Edison Ave. La Junta, CO. The subject property inspected had significant fire damage. The bulk sampling techniques do comply with a full demolition inspection. The bulk sampling techniques used for this Limited Asbestos Inspection comply with standards and protocol established by the Asbestos Hazardous Emergency Response Act (AHERA) and the CDPHE's, *Regulation 8*. **Before any work is performed at the Subject Property that could disturb materials that contain asbestos and put unprotected workers at risk, and violating asbestos regulations, which are enforced by OSHA, EPA, the Colorado Department of Public Health and Environment and the Fremont County Health Department, a full asbestos demolition inspection will need to be performed. Any confirmed *asbestos containing materials* (ACM's) will have to be removed by a licensed Colorado Asbestos Abatement Contractor (prior to being disturbed), subject to trigger levels indicated in *Colorado Regulation 8* (see Appendix 7). Materials containing ANY amount of materials need to be handled in accordance to OSHA requirements (see Appendix 8).**

II. METHODOLOGY

As detailed in Appendix 1, *Field Sheet/Asbestos Results Table*, there were **20** samples collected at the Subject Property and on the Chain of Custody. The lab separated the 20 samples submitted into additional layers; there were **39** samples total. The bulk sampling techniques used for the Asbestos Inspection comply with standards and protocol established by the Asbestos Hazardous Emergency Response Act (AHERA) and the CDPHE's, *Regulation 8*. The samples were delivered for analysis to EMSL Analytical, Inc. in Denver, Colorado, via FedEx. The laboratory is a member of the National Voluntary Laboratory Accreditation Program (NVLAP), and is qualified to perform the required analysis (See Appendix 6). The analysis conducted was the EPA Interim Method for the Determination of Asbestos in Bulk Samples, using standard Polarized Light Microscopy (PLM) and dispersion staining as established in 40 CFR Part 763. According to section III.A.1.c of *Regulation Number 8* from the CDPHE, if the asbestos content of a sample of friable asbestos is estimated to be 1% asbestos or less, but greater than 0%, by a method other than point counting, the determination shall be repeated using the point count technique with polarized light microscopy. The EPA and the CDPHE

define asbestos containing materials (ACM's) as any materials which tests positive at greater than (>) 1% asbestos. According to AHERA, EPA, and the CDPHE, materials testing at less than (<) or equal to 1% asbestos fibers are not considered to be an ACM. Materials containing ANY amount of asbestos should be handled according to OSHA protocol.

Suspect materials are divided into two types, **friable** and **non-friable**, based upon the material's consistency. **Friable** is a material that, when dry, can be reduced to a powder or crumbled by finger (hand) pressure only, thereby rendering the material friable and allowing suspected asbestos fibers to become airborne. Friable materials produce a human health risk if the fibers are asbestos. When airborne the asbestos can be inhaled into the lungs causing future health problems and risks. **Non-friable** materials are miscellaneous building materials that in composition are hard and cannot be easily disturbed, and do not present a human health risk, unless activities such as crushing, sanding, or any activity that damages in a destructive way, such as during a demolition, causes its condition to become friable.

III. ACM SUMMARY

Red = Positive ACM

Blue = OSHA Regulated

- The Hand Textured Drywall (1A-1C) observed only in Room 1 and the Hall, on the walls and ceilings of the Subject Property was confirmed to be ACM by PLM method:
 - *1501ED-R1-1A-Texture is 2% Chrysotile*
 - *1501ED-R1-1A-Joint Compound is 2% Chrysotile*
 - *1501ED-H-1C-Texture is 2% Chrysotile*
 - *1501ED-H-1C-Joint Compound is 2% Chrysotile*

The materials assessed were in good condition at the time of the inspection and is friable.

- The Rough Textured Drywall (2C) observed only in Room 2, on the walls and ceilings of the Subject Property was confirmed to be ACM by PLM method:
 - *1501ED-R2-2C-Texture is 2% Chrysotile*

The materials assessed were in good condition at the time of the inspection and is friable.

- The Textured Drywall (4A-4C) observed only in Room 3, on the walls and ceilings of the Subject Property was confirmed to be ACM by PLM method:
 - *1501ED-R3-4A-Texture 2 is 2% Chrysotile*
 - *1501ED-R3-4B-Texture 2 is 2% Chrysotile*
 - *1501ED-R3-4C-Texture is 2% Chrysotile*

The materials assessed were in good condition at the time of the inspection and is friable.

- The Linoleum (5A) observed only in Room 3, on the walls and ceilings of the Subject Property was confirmed to be ACM by PLM method:
 - *1501ED-R3-5A-Linoleum is 20% Chrysotile*

The materials assessed were in good condition at the time of the inspection and is friable.

IV. HOMOGENEOUS SAMPLING AREAS/NOTES

Observations:

1. Fire damaged.
2. Wood walls and ceiling in room 4.
3. Metalbestos vents.
4. Transite around heaters.
5. **Roofing material was not tested – Assume Positive-OSHA Removal.**

Bold – Indicates comment is associated with ACM

V. LAB RESULTS – CONFIRMED ASBESTOS

Nine (9) samples (see Photographs and Sampling Locations in the Appendix) were confirmed to be an asbestos containing material (ACM) as described below:

Sample ID	Material	Location	Asbestos Content	Quantity
1501ED-R1-1A	Texture	Room 1	2% Chrysotile	~710 ft²
1501ED-R1-1A	Joint Compound	Room 1	2% Chrysotile	~710 ft²
1501ED-H-1C	Texture	Hall	2% Chrysotile	~710 ft²
1501ED-H-1C	Joint Compound	Hall	2% Chrysotile	~710 ft²
1501ED-R2-2C	Texture	Room 2	2% Chrysotile	~600 ft²
1501ED-R3-4A	Texture 2	Room 3	2% Chrysotile	~725 ft²
1501ED-R3-4B	Texture 2	Room 3	2% Chrysotile	~725 ft²
1501ED-R3-4C	Texture	Room 3	2% Chrysotile	~725 ft²
1501ED-R3-5A	Linoleum	Room 3	20% Chrysotile	~120 ft²

~ = Approximated

Zero (0) samples taken were confirmed to be <1% Chrysotile by EMSL Analytical, Inc. using Polarized Light Microscopy. This analysis determines if the samples are less than or greater than 1% asbestos. According to AHERA, EPA, and the State of Colorado Department of Public Health and Environment, materials testing at less than (<) or equal to 1% asbestos fibers are not considered to be an asbestos containing material (ACM). OSHA protocol must be followed when handling materials containing ANY amount of asbestos. **(See Table on Next Page)**

VI. LIMITATIONS

Accessibility may have been a limiting condition. A Colorado Certified Building Inspector used reasonable diligence and professional judgment to identify all potential asbestos containing materials in the Subject Property. Materials that are not visible from the surface, i.e. wall cavity insulation, may not have been sampled. The client, City of La Junta, CO. This inspection was conducted for full demolition Purposes. All areas of the structure were tested and accessible at the time of inspection. This inspection was performed to give the client a budget plan for moving forward. The inspection does comply with the Asbestos Hazardous Emergency Response Act (AHERA) and the CDPHE's, *Regulation 8*. If no inspection was performed, then all materials should be assumed positive until confirmed otherwise by a Certified Asbestos Building Inspector. APEC will not be responsible for additional costs associated with future sampling, including services provided by a third party. ACM's that will be disturbed should be handled according to CDPHE, EPA, and OSHA protocol. Materials containing ANY amount of asbestos should be handled according to OSHA protocol.

All-Phase Environmental Consultants, Inc. (APEC) makes no warranty either expressed or implied as to the completeness of the information contained herein. APEC will not be held liable for property damage or any loss of property value due to the inspection. APEC will not be held responsible for ACMs identified in additional areas of the Subject Property and/or any results of future asbestos inspections. This report is not an abatement plan and is intended to be informational only; APEC will not be held responsible for the mishandling of the information contained herein.

- If additional impacted suspect **ACM** or **ACBM** are discovered during renovations, servicing or maintenance related work for which there are no sample documentation/results, APEC recommends pursuing one of the following alternatives: Sample and analyze the discovered suspect material(s) to determine whether it contains asbestos; or assume the material(s) to be asbestos-containing materials, quantify and remove on a unit cost basis.

VII. APPENDICES

The attached Appendices include:

- 1. Field Sheet/Asbestos Results**
- 2. Positive Sample Location Diagram**
- 3. Positive Sample Photographs**
- 4. Asbestos Bulk Sample Data Sheet (test results)**
- 5. Chain of Custody Forms**
- 6. Asbestos Inspector Certifications/Laboratory Certifications**

VIII. SIGNATURE OF ASBESTOS INSPECTOR:


All-Phase Environmental Consultants Inc.

All-Phase Environmental Consultants Inc.



Logan Greenfield

**AHERA Certified Asbestos Inspectors
Colorado Certified Asbestos Building Inspectors
Certification No. 20715**



Rick Ralston

**AHERA Certified Asbestos Inspectors
Colorado Certified Asbestos Building Inspectors
Certification No. 4261**

APPENDIX 1

FIELD SHEET/ASBESTOS RESULTS

Field Sheet/Asbestos Results

Site Address: 1501 Edison
Project Number: 17-2824
Samplers: Logan Greenfield, Rick Ralston
Date Sampled: 7/14/2017

APEC # 17-2824		DATE INSPECTED: 7/14/2017											
Functional Space ID	Homogeneous Sampling Area ID	Sample ID	Material	Layer Material	Condition	Asbestos Results	Asbestos Content	Point Count Results	Quantity	Material Category	Friability	Hazard Ranking	
R1	1	1501ED-R1-1A-Texture	Hand Textured Drywall	Texture	SD	Positive	2% Chrysotile		710 ft ²				
		1501ED-R1-1A-Tape	Hand Textured Drywall	Tape	SD	Negative	ND						
		1501ED-R1-1A-Joint Compound	Hand Textured Drywall	Joint Compound	SD	Positive	2% Chrysotile						
		1501ED-R1-1A-Drywall	Hand Textured Drywall	Drywall	SD	Negative	ND						
		1501ED-R1-1B-Texture	Hand Textured Drywall	Texture	SD	Negative	ND						
		1501ED-R1-1B-Drywall	Hand Textured Drywall	Drywall	SD	Negative	ND						
H		1501ED-H-1C-Texture	Hand Textured Drywall	Texture	SD	Positive	2% Chrysotile						
		1501ED-H-1C-Tape	Hand Textured Drywall	Tape	SD	Negative	ND						
		1501ED-H-1C-Joint Compound	Hand Textured Drywall	Joint Compound	SD	Positive	2% Chrysotile						
R2	2	1501ED-H-1C-Drywall	Hand Textured Drywall	Drywall	SD	Negative	ND						
		1501ED-R2-2A-Texture	Rough Textured Drywall	Texture	SD	Negative	ND		600 ft ²				
		1501ED-R2-2A-Drywall	Rough Textured Drywall	Drywall	SD	Negative	ND						
		1501ED-R2-2B-Texture	Rough Textured Drywall	Texture	SD	Negative	ND						
		1501ED-R2-2B-Drywall	Rough Textured Drywall	Drywall	SD	Negative	ND						
		1501ED-R2-2C-Texture	Rough Textured Drywall	Texture	SD	Positive	2% Chrysotile						
R3	4	1501ED-R2-2C-Drywall	Rough Textured Drywall	Drywall	SD	Negative	ND						
		1501ED-R2-3A-Ceiling Tile	Ceiling Tile / Mastic	Ceiling Tile	SD	Negative	ND		110 ft ²				
		1501ED-R2-3A-Mastic	Ceiling Tile / Mastic	Mastic	SD	Negative	ND						
		1501ED-R3-4A-Texture 1	Textured Drywall	Texture 1	SD	Negative	ND			725 ft ²			
		1501ED-R3-4A-Texture 2	Textured Drywall	Texture 2	SD	Positive	2% Chrysotile						
		1501ED-R3-4A-Drywall	Textured Drywall	Drywall	SD	Negative	ND						
1501ED-R3-4B-Texture 1	Textured Drywall	Texture 1	SD	Negative	ND								
1501ED-R3-4B-Texture 2	Textured Drywall	Texture 2	SD	Positive	2% Chrysotile								
1501ED-R3-4B-Drywall	Textured Drywall	Drywall	SD	Negative	ND								
R5	6	1501ED-R3-4C-Texture	Textured Drywall	Texture	SD	Positive	2% Chrysotile						
		1501ED-R3-4C-Drywall	Textured Drywall	Drywall	SD	Negative	ND						
		1501ED-R3-5A	Linoleum		SD	Positive	2% Chrysotile		120 ft ²				
		1501ED-R5-6A-Texture	Textured Drywall	Texture	SD	Negative	ND		670 ft ²				
		1501ED-R5-6A-Drywall	Textured Drywall	Drywall	SD	Negative	ND						
		1501ED-R6-6B-Texture	Textured Drywall	Texture	SD	Negative	ND						
1501ED-R6-6B-Drywall	Textured Drywall	Drywall	SD	Negative	ND								
1501ED-R6-6C-Texture	Textured Drywall	Texture	SD	Negative	ND								
1501ED-R6-6C-Drywall	Textured Drywall	Drywall	SD	Negative	ND								
Ex	9	1501ED-Ex-7A	Roofing Material		SD	Negative	ND		455 ft ²				
		1501ED-Ex-8A	Exterior Wall Material		SD	Negative	ND						
		1501ED-Ex-9A-Stucco	Exterior Stucco	Stucco	SD	Negative	ND						
		1501ED-Ex-9A-Felt	Exterior Stucco	Felt	SD	Negative	ND						
		1501ED-Ex-9B	Exterior Stucco		SD	Negative	ND						
		1501ED-Ex-9C	Exterior Stucco		SD	Negative	ND						
	10	1501ED-Ex-10A	Building Debris		SD	Negative	ND						

ND = None Detected > = Greater Than
NA = Not Applicable < = Less Than
ft² = square feet ~ = Approximated
* = positive due to homogeneity
TBD = To be determined upon demo
SD = Significantly Damaged

Red = Positive
Blue = OSHA

Hazard Ranking Classifications

- Damaged or significantly damaged thermal system insulation ACM.
- Damaged friable surfacing ACM.
- Significantly damaged friable surfacing ACM.
- Damaged or significantly damaged friable miscellaneous ACM.
- ACBM with potential for damage.
- ACBM with potential for significant damage.
- Any remaining friable ACBM or friable suspected ACBM.

Per AHERA and State of Colorado, materials tested at less than or equal to (<1%)asbestos are not considered to be an asbestos containing material

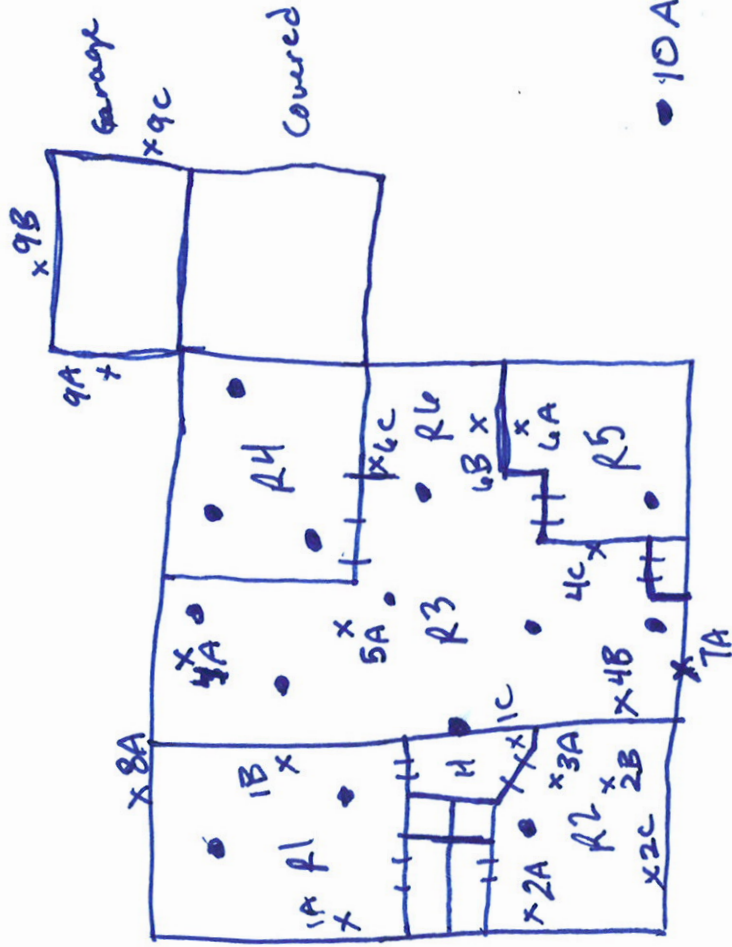
Materials containing ANY amount of asbestos should be handled according OSHA protocol.

APPENDIX 2

POSITIVE SAMPLE LOCATION DIAGRAM

1501 Edison

← N



• 10A Composite

SITE PHOTOGRAPHS









APPENDIX 4

***ASBESTOS BULK SAMPLE DATA SHEET
(TEST RESULTS)***

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com>cinnaslab@EMSL.com

EMSL Order: 041720694

CustomerID: ALLP62

CustomerPO:

ProjectID:

Attn: **Logan Greenfield**
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003

Phone: (719) 545-0375
Fax: (719) 542-2807
Received: 07/18/17 9:30 AM
Analysis Date: 7/25/2017
Collected: 7/14/2017

Project: **17-2824(2)-1501 Edison**

**Test Report:Qualitative Asbestos Analysis by Transmission
Electron Microscopy (TEM) and Filtration Technique**

Sample	Description	TEM Result	Notes
1501ED-10A 041720694-0001	Ash - Building Debris	Chrysotile	

Analyst(s)

Sandy Burany, Ph.D (1)

Benjamin Ellis, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ

Initial report from 07/25/2017 11:01:54



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204

Tel/Fax: (303) 740-5700 / (303) 741-1400

<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221704738

Customer ID: ALLP62

Customer PO:

Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003

Phone: (719) 250-0036

Fax: (719) 542-2807

Received Date: 07/17/2017 9:50 AM

Analysis Date: 07/24/2017

Collected Date: 07/14/2017

Project: 17-2824 - 1501 Edison

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1501ED-R1-1A-Text ure 221704738-0001	Hand Textured Drywall	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
Inseparable paint / coating layer included in analysis					
1501ED-R1-1A-Tap e 221704738-0001A	Hand Textured Drywall	White Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
1501ED-R1-1A-Joint Compound 221704738-0001B	Hand Textured Drywall	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
1501ED-R1-1A-Dry wall 221704738-0001C	Hand Textured Drywall	Brown/White Fibrous Homogeneous	10% Cellulose	60% Gypsum 30% Non-fibrous (Other)	None Detected
1501ED-R1-1B-Text ure 221704738-0002	Hand Textured Drywall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
1501ED-R1-1B-Dry wall 221704738-0002A	Hand Textured Drywall	Brown/White Fibrous Homogeneous	10% Cellulose	60% Gypsum 30% Non-fibrous (Other)	None Detected
1501ED-H-1C-Textu re 221704738-0003	Hand Textured Drywall	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
Inseparable paint / coating layer included in analysis					
1501ED-H-1C-Tape 221704738-0003A	Hand Textured Drywall	White Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
1501ED-H-1C-Joint Compound 221704738-0003B	Hand Textured Drywall	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 07/24/2017 11:32:41



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204

Tel/Fax: (303) 740-5700 / (303) 741-1400

<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221704738

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Attention: Logan Greenfield
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Pueblo, CO 81003

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 07/17/2017 9:50 AM
Analysis Date: 07/24/2017
Collected Date: 07/14/2017

Project: 17-2824 - 1501 Edison

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

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
1501ED-H-1C-Drywall all 221704738-0003C	Hand Textured Drywall	Brown/White Fibrous Homogeneous	10% Cellulose	60% Gypsum 30% Non-fibrous (Other)	None Detected
1501ED-R2-2A-Texture 221704738-0004	Rough Textured Drywall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
1501ED-R2-2A-Drywall 221704738-0004A	Rough Textured Drywall	Brown/White Fibrous Homogeneous	10% Cellulose	60% Gypsum 30% Non-fibrous (Other)	None Detected
1501ED-R2-2B-Texture 221704738-0005	Rough Textured Drywall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
1501ED-R2-2B-Drywall 221704738-0005A	Rough Textured Drywall	Brown/White Fibrous Homogeneous	10% Cellulose	60% Gypsum 30% Non-fibrous (Other)	None Detected
1501ED-R2-2C-Texture 221704738-0006	Rough Textured Drywall	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
Inseparable paint / coating layer included in analysis					
1501ED-R2-2C-Drywall 221704738-0006A	Rough Textured Drywall	Brown/White Fibrous Homogeneous	10% Cellulose	60% Gypsum 30% Non-fibrous (Other)	None Detected
1501ED-R2-3A-Ceiling Tile 221704738-0007	Ceiling Tile / Mastic	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
1501ED-R2-3A-Mastic 221704738-0007A	Ceiling Tile / Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 07/24/2017 11:32:41



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204

Tel/Fax: (303) 740-5700 / (303) 741-1400

<http://www.EMSL.com> / denverlab@emsl.com

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Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 07/17/2017 9:50 AM
Analysis Date: 07/24/2017
Collected Date: 07/14/2017

Project: 17-2824 - 1501 Edison

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

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
1501ED-R3-4A-Text ure 1 221704738-0008	Textured Drywall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
1501ED-R3-4A-Text ure 2 221704738-0008A	Textured Drywall	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
Inseparable paint / coating layer included in analysis					
1501ED-R3-4A-Dry wall 221704738-0008B	Textured Drywall	Brown/White Fibrous Homogeneous	10% Cellulose	60% Gypsum 30% Non-fibrous (Other)	None Detected
1501ED-R3-4B-Text ure 1 221704738-0009	Textured Drywall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
1501ED-R3-4B-Text ure 2 221704738-0009A	Textured Drywall	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
1501ED-R3-4B-Dry wall 221704738-0009B	Textured Drywall	Brown/White Fibrous Homogeneous	10% Cellulose	60% Gypsum 30% Non-fibrous (Other)	None Detected
1501ED-R3-4C-Text ure 221704738-0010	Textured Drywall	Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
Inseparable paint / coating layer included in analysis					
1501ED-R3-4C-Dry wall 221704738-0010A	Textured Drywall	Brown/White Fibrous Homogeneous	10% Cellulose	60% Gypsum 30% Non-fibrous (Other)	None Detected
1501ED-R3-5A 221704738-0011	Linoleum	Brown Non-Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile

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Pueblo, CO 81003

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 07/17/2017 9:50 AM
Analysis Date: 07/24/2017
Collected Date: 07/14/2017

Project: 17-2824 - 1501 Edison

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1501ED-R5-6A-Text ure 221704738-0012	Textured Drywall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
1501ED-R5-6A-Dry wall 221704738-0012A	Textured Drywall	Brown/White Fibrous Homogeneous	10% Cellulose	60% Gypsum 30% Non-fibrous (Other)	None Detected
1501ED-R6-6B-Text ure 221704738-0013	Textured Drywall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
1501ED-R6-6B-Dry wall 221704738-0013A	Textured Drywall	Brown/White Fibrous Homogeneous	10% Cellulose	60% Gypsum 30% Non-fibrous (Other)	None Detected
1501ED-R6-6C-Text ure 221704738-0014	Textured Drywall	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
Inseparable paint / coating layer included in analysis					
1501ED-R6-6C-Dry wall 221704738-0014A	Textured Drywall	Brown/White Fibrous Homogeneous	10% Cellulose	60% Gypsum 30% Non-fibrous (Other)	None Detected
1501ED-EX-7A 221704738-0015	Roofing Material	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
1501ED-EX-8A 221704738-0016	Exterior Wall Material	Black Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
1501ED-EX-9A-Stuc co 221704738-0017	Exterior Stucco	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 07/24/2017 11:32:41



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204

Tel/Fax: (303) 740-5700 / (303) 741-1400

<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221704738

Customer ID: ALLP62

Customer PO:

Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 07/17/2017 9:50 AM
Analysis Date: 07/24/2017
Collected Date: 07/14/2017

Project: 17-2824 - 1501 Edison

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1501ED-EX-9A-Felt 221704738-0017A	Exterior Stucco	Black Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
1501ED-EX-9B 221704738-0018	Exterior Stucco	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
1501ED-EX-9C 221704738-0019	Exterior Stucco	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 07/24/2017 11:32:41



EMSL Analytical, Inc.

1010 Yuma Street Denver, CO 80204

Tel/Fax: (303) 740-5700 / (303) 741-1400

<http://www.EMSL.com> / denverlab@emsl.com

EMSL Order: 221704738

Customer ID: ALLP62

Customer PO:

Project ID:

Attention: Logan Greenfield
All-Phase Environmental Consultants, Inc
721 West 9th Street
Pueblo, CO 81003

Phone: (719) 250-0036
Fax: (719) 542-2807
Received Date: 07/17/2017 9:50 AM
Analysis Date: 07/24/2017
Collected Date: 07/14/2017

Project: 17-2824 - 1501 Edison

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 07/17/2017

Sample Receipt Time: 9:50 AM

Analysis Completed Date: 07/24/2017

Analysis Completed Time: 9:07 AM

Analyst(s):

Molly Elkins PLM (39)

Samples Reviewed and approved by:

Amanda Lang, Asbestos Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Denver, CO NVLAP Lab Code 200828-0

Initial report from: 07/24/2017 11:32:41

APPENDIX 5

CHAIN OF CUSTODY FORMS

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041720694

Denver, CO 80204

PHONE: (303) 740-5700

FAX: (303) 741-1400

Company: All-Phase Environmental Consultants, Inc.		EMSL-Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same If Bill to is Different note instructions in Comments**	
Street: 721 W. 9th Street		Third Party Billing requires written authorization from third party	
City: Pueblo	State/Province: CO	Zip/Postal Code: 81003	Country: United States
Report To (Name): Logan Greenfield		Telephone #: 719-250-0036	
Email Address: logan@allphaseenvironmental.com		Fax #:	Purchase Order:
Project Name/Number: 17-2824(2)-1501 Edison		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: CO		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)		TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input checked="" type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique Other: _____			
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Samplers Name: Logan Greenfield		Samplers Signature: <i>[Signature]</i>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1501ED-10A	Ash - Building Debris	—	7/14/17
_____			7/18/17 11:04
Client Sample # (s):		Total # of Samples: 1	
Relinquished (Client): <i>[Signature]</i>		Date: 7-14-17 Time: 500	
Received (Lab): <i>[Signature]</i>		Date: 7/19/17 Time: 9:50 am	
Comments/Special Instructions:		EMPE 7952 96605558	

Rec'd Bob Empe

7/18/17 930

4/4
URW

EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only)

221704738

Denver, CO 80204

(303) 740-5700

(303) 741-1400

Company: All-Phase Environmental Consultants, Inc.		EMSL-Bill to: <input type="checkbox"/> Different <input checked="" type="checkbox"/> Same <small>If Bill to is Different note instructions in Comments.</small>	
Street: 721 W 9th Street		Third Party Billing requires written authorization from third party	
City: Pueblo	State/Province: CO	Zip/Postal Code: 81003	Country: United States
Report To (Name): Logan Greenfield		Telephone #: 719-250-0036	
Email Address: logan@allphaseenvironmental.com		Fax #:	Purchase Order:
Project Name/Number: 17-2824 - 1501 Edison		Please Provide Results: <input type="checkbox"/> FAX <input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Mail	
U.S. State Samples Taken: CO		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
<small>*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide</small>			
PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/ Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)		TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique Other: <input type="checkbox"/>			
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Samplers Name: Logan Greenfield		Samplers Signature: <i>[Signature]</i>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1501ED-R1-1A	Hand textured Drywall	—	7-14-17
1501ED-R1-1B	↓	—	↓
1501ED-H-1C		—	
1501ED-R2-2A	Rough textured Drywall	—	
1501ED-R2-2B	↓	—	
1501ED-R2-2C		—	
1501ED-R2-3A	Ceiling tile/mastic	—	
1501ED-R3-4A	Textured Drywall	—	
Client Sample # (s):		Total # of Samples: 19	
Relinquished (Client): <i>[Signature]</i>		Date: 7-14-17 Time: 5:10	
Received (Lab): <i>[Signature]</i>		Date: 7/17/17 Time: 9:50 am	
Comments/Special Instructions: EMFE 7952 9060 5558			



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

221704738

1010 Yuma Street

Denver, CO 80204

(303) 740-5700

(303) 741-1400

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1501ED-R3-4B	Textured Drywall	—	7-14-17
1501ED-R3-4C	↓	—	↓
1501ED-R3-5A	Linoleum	—	↓
1501ED-R5-6A	Textured Drywall	—	↓
1501ED-R6-6B	↓	—	↓
1501ED-R6-6C	↓	—	↓
1501ED-EX-7A	Roofing Material	—	↓
1501ED-EX-8A	Exterior Wall Material	—	↓
1501ED-EX-9A	Exterior Stucco	—	↓
1501ED-EX-9B	↓	—	↓
1501ED-EX-9C	↓	—	↓
*Comments/Special Instructions:			

APPENDIX 6

***ASBESTOS INSPECTOR CERTIFICATIONS
&
LABORATORY CERTIFICATIONS***



Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Logan Greenfield

Certification No.: 20715

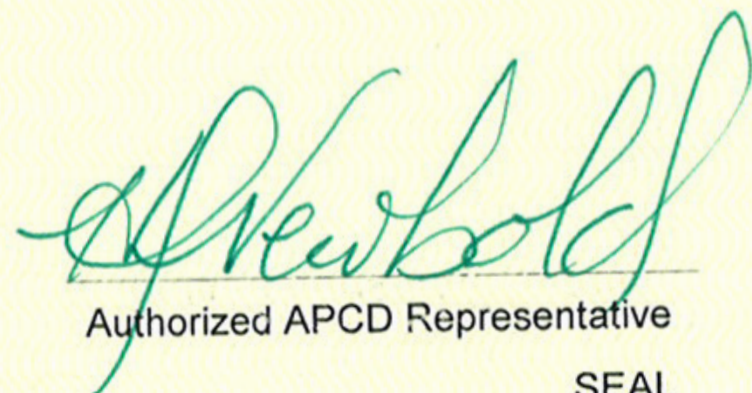
has met the requirements of 25-7-507, C.R.S. and Air Quality Control
Commission Regulation No. 8, Part B, and is hereby certified by the
state of Colorado in the following discipline:

Building Inspector*

Issued: October 18, 2017

Expires: October 18, 2018

** 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



1775 West 55th Avenue
Denver, CO 80221
303.410.4941
trainingchc.com



Certifies that

Logan Greenfield

20715

*Has Successfully Completed the EPA- Approved Annual Asbestos Refresher Training Course
Under Section 206 of the Toxic Substance Control Act (TSCA), Title II.*

BUILDING INSPECTOR

Course Date: September 20, 2017
Certificate No.: R17-1661-AI-CO
No. of Hours: 4
Expiration Date: September 20, 2018

Certification not valid without watermark

A handwritten signature in black ink, reading "Frank Hulce".

Frank Hulce - Instructor

A handwritten signature in black ink, reading "Danaya Benedetto".

Danaya Benedetto- Training Program Manager



Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Richard L. Ralston

Certification No.: 4261

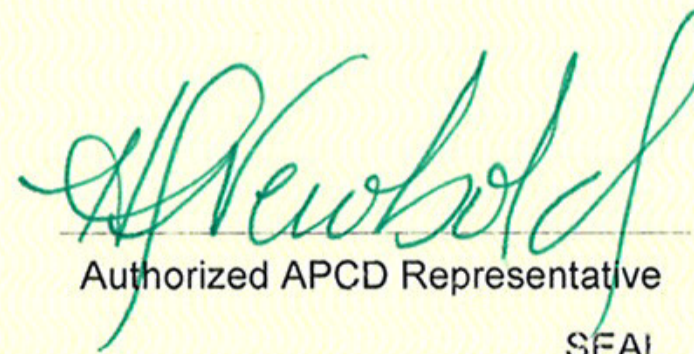
has met the requirements of 25-7-507, C.R.S. and Air Quality Control
Commission Regulation No. 8, Part B, and is hereby certified by the
state of Colorado in the following discipline:

Inspector/Management Planner*

Issued: May 12, 2017

Expires: May 12, 2018

** 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