

Burnside Enterprises, LLC

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LIMITED ASBESTOS BUILDING INSPECTION

Prepared for :

City of Colorado Springs
Housing Development Division
30 S Nevada Ave, Suite 604
Colorado Springs, CO 80903

Linda Clemons
22 W Mill Street
Colorado Springs, CO 80903

Property Address:

22 W Mill Street
Colorado Springs, CO 80903

Inspection performed by:

John Burnside
Colorado Asbestos Building Inspector # 21520 (expires Sept. 10, 2016)

Burnside Enterprises, LLC
Asbestos Consulting Firm license # ACF-21529 (expires Sept. 18, 2016)

Inspection performed on July 21, 2016

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- A. Sketch**
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SECTION I. INTRODUCTION & SUMMARY

On July 21, 2016 Burnside Enterprises, LLC performed a limited asbestos building inspection on the single-family residence located at 22 W Mill Street, Colorado Springs, CO 80903. The purpose of the inspection was to determine if Asbestos Containing Material (ACM) would be disturbed/impacted during a planned renovation of the property. The area inspected for ACM included the bathroom walls & ceiling, the kitchen ceiling and the living room ceiling. No other areas were inspected. Burnside Enterprises, LLC met with Deane Robertson to develop a sampling scheme that would include any possible ACM materials in the area disturbed in the planned renovation.

John Burnside of Burnside Enterprises, LLC performed the asbestos building inspection.

The following table summarizes the sampled materials and how each tested for ACM:

Sample No.	Description	Location	Friable/ Non-friable	% Asbestos	Amount of Material
PL-01	Plaster	Bathroom wall	Friable	ND 0%	400 sf
PL-02	Plaster	Kitchen ceiling	Friable	ND 0%	w/ above
PL-03	Plaster	Living Rm ceiling	Friable	ND 0%	w/ above
DW-01	Drywall compound	Bathroom wall	Friable	ND 0%	160 sf
DW-02	Drywall compound	Bathroom wall	Friable	ND 0%	w/ above
DW-03	Drywall compound	Bathroom wall	Friable	ND 0%	w/ above
Misc-01	Paneling	Bathroom wall	Friable	ND 0%	40 sf

CH – Chrysotile

AM – Amosite Asbestos

CR – Crocidolite

ND – None Detected

For the purposes of this report, none of the walls or ceilings or wall in the bathroom contain asbestos. None of the ceilings in the living room (room 06) or kitchen contain asbestos.

For surfacing materials, i.e. gypsum walls, stucco, ceilings and so forth, like finishes and materials are separated into groups or homogenous areas. Gypsum walls may have differing finish textures and/or installation dates so similar finishes are tested as a group. It is possible to have several different surface finish groups in an asbestos inspection.

The number of samples required are based on total square footage of that group. The following table notes the minimum number of samples required:

Size of Homogenous Area	Minimum number of samples to be collected
Less than 1,000 sf	3
Between 1,000 and 5,000 sf	5
Greater than 5,000 sf	7

SECTION II BUILDING INVENTORY

The property located at 22 W Mill Street, Colorado Springs, CO 80903 is approximately 884 SF and constructed in 1895. The structure is frame construction. The structure is in overall fair condition. The specific area tested for the presence of ACM includes the bathroom walls & ceiling, the kitchen ceiling and the living room ceiling.

SECTION III BULK SAMPLING PROCEDURES AND LOCATION SELECTION

1. Determining Sampling Locations

Locations were selected for representative materials that will or may likely be disturbed by the planned renovation. The EPA divides suspect ACM into three categories as follows:

Surfacing Material means material that is sprayed on, troweled on, or otherwise applied to surfaces, such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, or other purposes.

Thermal System Insulation (TSI) means material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior structural components to prevent heat loss or gain, or water condensation, or for other purposes.

Miscellaneous Material means interior building material on structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing material or thermal system insulation.

Any samples taken at the site were categorized into one of these three categories. Representative samples were taken from any of these groups of materials that might be impacted by the planned renovation.

2. A total of seven bulk samples were collected for this project. Samples were taken from representative materials that are anticipated to be disturbed during the upcoming renovation project. These samples were taken on July 21, 2016 and sent to an accredited lab for ACM analysis.

IV QUANTITIES OF ASBESTOS CONTAINING MATERIAL TO BE DISTURBED

Prior to any renovation or demolition which may disturb greater than the **trigger levels** of material identified as a suspect asbestos-containing material pursuant to the EPA "Green Book", Managing Asbestos in Place, Appendix G (1990), the facility component(s) to be affected by the renovation or demolition shall be inspected to determine if abatement is required.

Trigger levels means amounts of material as follows:

1. With regard to single-family residential dwellings, the trigger levels are 50 linear feet on pipes, 32 square feet on other surfaces, or the volume equivalent of a 55-gallon drum.

2. With regard to all areas other than single-family residential dwellings, the trigger levels are 260 linear feet on pipes, 160 square feet on other surfaces, or the volume equivalent of a 55-gallon drum.

Attachment A - Sketch



22 W Mill St, Colo Spgs
Not To Scale

Attachment B - Lab Reports & Chain of Custody



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: 221604967
Customer ID: BURN34
Customer PO:
Project ID:

Attention: John Burnside
Burnside Enterprises
4030 Zurich Dr.
Colorado Springs, CO 80920

Phone: (719) 596-4656
Fax: (719) 596-4656
Received Date: 07/25/2016 9:20 AM
Analysis Date: 07/25/2016
Collected Date: 07/21/2016

Project: 22 W Mill, Colo Spgs

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
PL-01 <small>221604967-0001 Inseparable paint / coating layer included in analysis</small>	Plaster	Tan/Beige Non-Fibrous Heterogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
			HA: 01		
PL-02 <small>221604967-0002 Inseparable paint / coating layer included in analysis</small>	Plaster	Tan/Beige Non-Fibrous Heterogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
			HA: 01		
PL-03 <small>221604967-0003</small>	Plaster	Tan/Beige Non-Fibrous Heterogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
			HA: 01		
DW-01 <small>221604967-0004</small>	Drywall Compound	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
			HA: 02		
DW-02 <small>221604967-0005</small>	Drywall Compound	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
			HA: 02		
DW-03 <small>221604967-0006</small>	Drywall Compound	White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
			HA: 02		
MISC-01 <small>221604967-0007</small>	Paneling	Brown/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
			HA: 03		

Analyst(s)
Amanda Lang (7)


Brendon Rawlings, 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: 07/26/2016 10:22:18



EMSL ANALYTICAL, INC.
UNIVERSITY MICROFILMS INTERNATIONAL

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

221604967

EMSL ANALYTICAL, INC.
1010 YUMA ST
DENVER, CO 80204
PHONE: (303)740-5700
FAX: (303)741-1400

Company: Burnside Enterprises, LLC		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 4030 Zurich Drive		Third Party Billing requires written authorization from third party	
City: Colorado Springs	State/Province: CO	Zip/Postal Code: 80920	Country: USA
Report To (Name): John Burnside		Fax #: 719-596-4656	
Telephone #: 719-339-5145		Email Address: JBurnside59@gmail.com	
Project Name/Number: 22 W MILL, COLO SP45			
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Purchase Order:		U.S. State Samples Taken: CO	

Turnaround Time (TAT) Options* - Please Check

3 Hours 6 Hours 24 Hrs 48 Hrs 3 Days 4 Days 5 Days 10 Days

*For TEM Air 3 hours/6 hours, 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"/> 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"/> 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"/> EPA Protocol (Semi-Quantitative) <input type="checkbox"/> EPA Protocol (Quantitative) Other: <input type="checkbox"/>
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Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: John Burnside	Samplers Signature: <i>John Burnside</i>
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Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
PL-01	PLASTER	01	7-21-16 10:30
PL-02	↓	01	↓
PL-03	↓	01	
DW-01	DRYWALL COMPOUND	02	
DW-02	↓	02	↓
DW-03	↓	02	
MISC-01	PANELING	03	

Client Sample # (s):	-	Total # of Samples:	7
Relinquished (Client):	Date: 7-21-16	Time: 16:00	
Received (Lab):	Date: 7/25/16	Time: 9:20am	
Comments/Special Instructions: EMFEE 7951 7142 0578			