APPENDIX G

ASBESTOS SURVEY REPORT

ASBESTOS SURVEY & SAMPLING REPORT

7225 BRADBURN BOULEVARD
WESTMINSTER, COLORADO

Presented to:

Ms. Heather Ruddy
City of Westminster
Dept of Community Development
4800 West 92nd Avenue
Westminster, Colorado 80031

February 28, 2017

EXECUTIVE SUMMARY

At the request of the City of Westminster, Mr. Patrick Lee, a Colorado State Certified asbestos inspector, performed an inspection and asbestos sampling at 7225 Bradburn Boulevard, Westminster, Colorado ("Subject Property").

The purpose of this survey was to identify potentially hazardous friable and non-friable asbestos containing materials (ACM) within the structure located on the Subject Property where demolition activities are contemplated. The structure consists of a single-story, wood frame building with a reinforced concrete foundation and a singled roof that was built in 1970.There are two separate units totaling 1,296 square feet with a 4 foot high crawl space.

On September 12, 2013 and again on February 14, 2017, Mr. Patrick Lee, a Colorado State Certified asbestos inspector, performed an asbestos inspection at 7225 Bradburn Boulevard in order to identify potentially hazardous friable and non-friable asbestos containing materials (ACM) within the above referenced building. The Colorado Department of Public Health and Environment's (CDPHE) Regulation 8, Part B defines an asbestos-containing material (ACM) as a material containing more than 1% asbestos.

Mr. Lee performed asbestos bulk-sampling of surfacing materials in a total of twenty-one (21) locations within the structure. Material samples taken included drywall in a total of fourteen (14) locations, floor tile in a total of two (2) locations, molding in a total of two (2) locations, ceiling tile in one (2) location and linoleum in one (1) location. All twenty-one (21) bulk samples were analyzed by Reservoirs Environmental, Inc. (NVLAP #101896).

The laboratory results of the potential ACM sampled at the Subject Property are summarized in Table 1 and they indicate that one sample of floor tile tested positive for 6% chrysotile asbestos. So long as the demolition contractor does not crush the floor tile on the concrete, the building can be demolished without abating the floor tile. Specific locations for the ACM are shown in the floor plans for the structure sampled in Figure 1 along with photo documentation. Appendix A provides a detailed summary of laboratory results.

I. Introduction

An inspection and bulk sampling for ACM was conducted at the Subject Property in Westminster, Colorado, on September 12, 2013 and again on February 14, 2017. Mr. Lee is a Colorado State Certified inspector and has EPA Accreditation #17670. A copy of the certificate is shown in Appendix B. The purpose of the inspection was to identify, sample and assess potentially hazardous friable and non-friable ACM from within the structure where demolition activities are contemplated.

II. Structural Design

The structure consists of a single-story, wood frame building with a reinforced concrete foundation and a singled roof that was built in 1970.There are two separate units totaling 1,296 square feet with a 4 foot high crawl space.

III. Sampling and Analytical Procedures

The inspection and assessment were conducted by an EPA and AHERA accredited Building Inspector qualified by experience, education and training in the recognition of potential ACM and approved bulk-sampling techniques. The asbestos bulk sampling was conducted on suspect ACM with a limited number of bulk samples being collected from within the building where demolition is contemplated.

The inspection and assessment were performed in accordance with Environmental Protection Agency/AHERA recommended procedures. These procedures call for the visual inspection of the area of concern and collection and analysis of representative bulk samples of suspect material.

Some minor destructive sampling was conducted. Walls, columns and perimeter pipe chases were not broken into in order to locate and quantify suspect ACM. It should be noted that additional ACM might be located in other inaccessible areas.

Random bulk samples, representative of the suspect asbestos-containing building materials (ACBM) of each homogeneous area (HA), were collected according to the guidelines published as Environmental Protection Agency (EPA) Final Rule: Title II of the Toxic Substances Control Act (TSCA), 15 USC, Sections 2641 through 2654 and in compliance with 40 CFR, Part 763. Representative sampling is based on the following criteria:

1. The distribution of the suspect material throughout the HA.
2. The suspect material's physical characteristics and application.
3. Random sampling patterns determined for each HA.

Suspect materials sampled and analyzed should be considered to be representative of materials in each HA if:

1. They exhibit similar physical characteristics; and

2. The application of the sampled material can be correlated to the application of unsampled material.

Bulk samples collected were analyzed utilizing the EPA's Method for the Determination of Asbestos in Bulk Building Materials (EPA 600/R/116, July, 1993) and the McCrone Research Institute's The Asbestos Particle Atlas as methods references. Analysis of the bulk samples was performed on the "date reported," as listed in the bulk sample analysis report.

IV. Notes on Report Format

Suspect materials alike in appearance and application were sampled as HAs. Suspect materials were divided into three classifications:

1. Surfacing material: sprayed or troweled onto structural building member.
2. Thermal systems insulation: any type of pipe, boiler, tank, or duct insulation.
3. Miscellaneous: other suspect materials, including flooring, ceiling tiles, insulation, and finishing materials.

Condition assessments were performed by the accredited inspector at the time of inspection. Condition assessments are listed in the following section. Ratings of "good," "damaged," and significantly damaged" are meant to indicate the overall condition of the material. A material in good" condition has no visible damage or deterioration, or showing only very limited damage or deterioration. A material in "damaged" condition has the following characteristics:

- The surface is crumbling, blistered, water-stained, gouged, marred or otherwise abraded over less than one-tenth of the surface if the damage is evenly distributed (one-quarter if the damage is localized). Accumulation of powder, dust or debris similar in appearance to the suspect material on surfaces beneath the material can be used as confirmatory evidence.

A material in "significantly damaged" condition has one or more of the following characteristics:

- The surface is crumbling or blistered over at least one-tenth of the surface if the damage is evenly distributed (one-quarter if the damage is localized).
- One-tenth (one-quarter, if localized) of the material is hanging from the surface, deteriorated, or showing adhesive failure.
- Water stains, gouges, or mars are over at least one-tenth of the surface if the damage is evenly distributed (one-quarter if the damage is localized).

Accumulation of powder, dust or debris similar in appearance to the suspect material on surfaces beneath the material can be used as confirmatory evidence.

Response-action recommendations for asbestos-containing HAs are listed in the section VII. Recommendations may be for more than one HA, if materials are alike. Recommendations are either "general" or "immediate." An immediate recommendation indicates the presence of asbestos greater than 1% within the bulk-sample, or a bulk-sample in the same HA, and should be addressed accordingly. A general recommendation indicates asbestos does not exist greater

than 1% within the bulk-sample, or a bulk-sample in the same HA, and no further abatement activities are required for removal of the material. Any sample reporting a "TRACE" amount of asbestos must be considered to be positive for asbestos greater than 1% unless it is analyzed by the point-count method to be less than 1%.

V. Inspector Comments

Mr. Lee performed asbestos bulk-sampling of surfacing materials in a total of twenty-one (21) locations within the structure. Material samples taken included drywall in a total of fourteen (14) locations, floor tile in a total of two (2) locations, molding in a total of two (2) locations, ceiling tile in one (2) location and linoleum in one (1) location. All twenty-one (21) bulk samples were analyzed by Reservoirs Environmental, Inc. (NVLAP #101896).

The laboratory results of the potential ACM sampled at the Subject Property are summarized in Table 1 and they indicate that one sample of floor tile tested positive for 6% chrysotile asbestos. So long as the demolition contractor does not crush the floor tile on the concrete, the building can be demolished without abating the floor tile. Specific locations for the ACM are shown in the floor plans for the structure sampled in Figure 1 along with photo documentation. Appendix A provides a detailed summary of laboratory results.

VI. Asbestos-Containing Homogeneous Area Descriptions and Sample Locations

Table 1 contains sampled HA descriptions and sample locations and results. See Figure 1 for floor plans showing locations where bulk samples were collected. Percent-asbestos content for each sample indicated can vary depending on sample locations, homogeneity of the materials, and type of application. A total of 11 homogeneous areas were indentified in the building and these areas are indentified in Table 1.

VII. Recommendations

The laboratory results of the potential ACM sampled at the Subject Property are summarized in Table 1 and they indicate that approximately 600 square feet of the floor tile in the north unit tested positive for 6% chrysotile asbestos.

After reviewing the details of this investigation with Mr. Alex Scherer, Air Quality Control Specialist with the Colorado Department of Public Health and Environment, it was determined that this floor tile would not need to be abated prior to demolition so long as the demolition contractor does not crush the floor tile and it not going to be recycled and it is taken to a licensed disposal facility.

FIGURE 1

7225 BRADBURN BOULEVARD, WESTMINSTER, COLORADO

ASBESTOS SAMPLING LOCATIONS

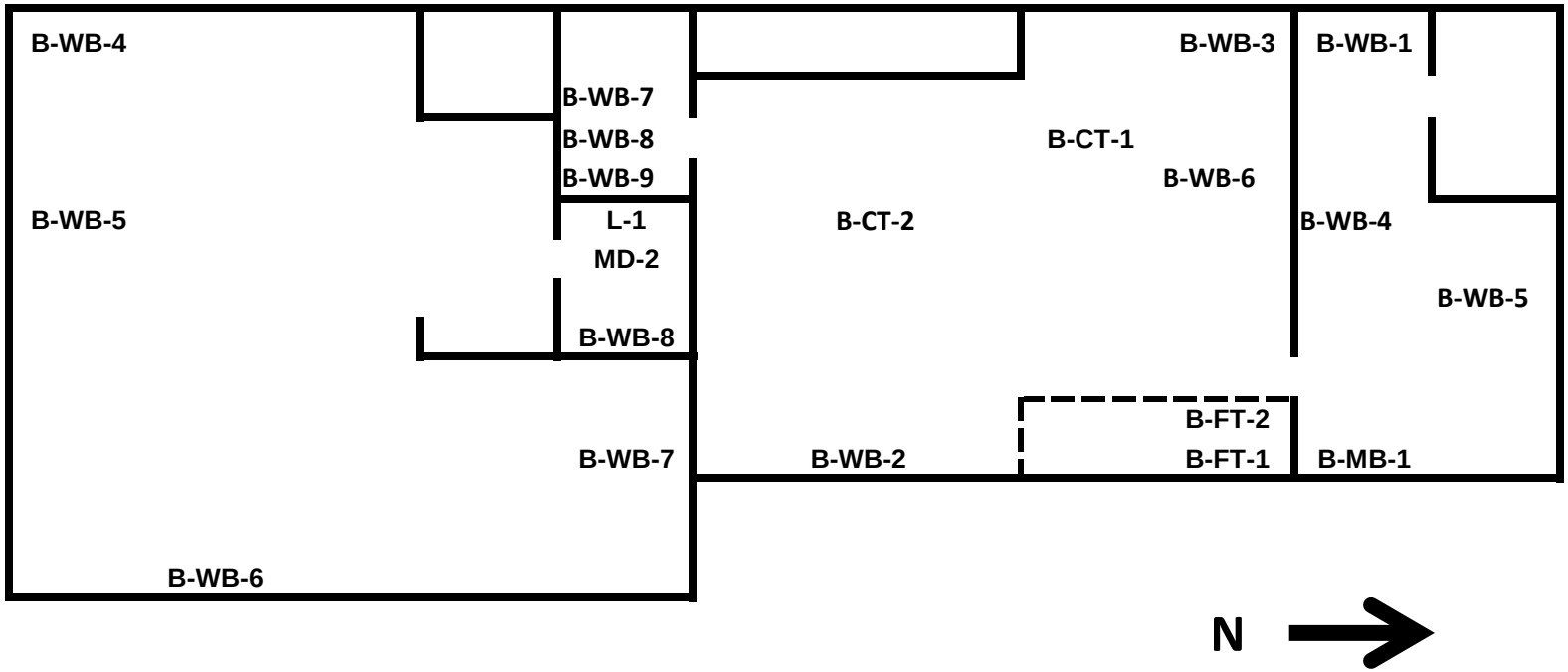

TABLE 1

7225 BRADBURN BOULEVARD, WESTMINSTER, COLORADO

ASBESTOS SURVEY SAMPLE RESULTS

SAMPLE ID	SAMPLE DATE	SAMPLE LOCATION	SAMPLE MATRIX	MATRIX MATERIAL DESCRIPTION	AMT	UNIT	PHOTO #	HOMO-GENEOUS AREA	MATERIAL CLASSIFICATION	MINERAL	ASBESTOS MATERIAL%
B-FT-1	09/12/13	North Unit Floor	Floor Tile	Yellow mastic Grey/white floor tile	30	SF	1	1	Miscellaneous	ND ND	ND ND
B-FT-2	09/12/13	North Unit Floor	Floor Tile	Tan Mastic **Beige/tan floor tile**	600	SF	1	2	Miscellaneous	ND **Chrysotile**	ND 6%
B-MD-1	09/12/13	North Unit Floor	Molding	Beige mastic Grey cove base	80	LF	1	3	Miscellaneous	ND ND	ND ND
B-CT-1	09/12/13	North Unit Ceiling	Ceiling Tile	Tan/white ceiling tile	250	SF	2	4	Miscellaneous	ND	ND
B-WB-1	09/12/13	North Unit, North Room West Wall	Drywall Texture	White paint w/white compound Pink brown drywall	750	SF	3	5	Surfacing	ND ND	ND ND
B-WB-4	02/14/17	North Unit, North Room South Wall	Drywall Texture	White texture w/ white paint Tan/white drywall	750	SF	3	5	Surfacing	ND ND	ND ND
B-WB-5	02/14/17	North Unit, North Room North Wall	Drywall Texture	White texture w/ white paint Tan/pink drywall	750	SF	3	5	Surfacing	ND ND	ND ND
B-WB-2	09/12/13	North Unit, South Room East Wall	Drywall Texture	White paint w/white compound White brown drywall	950	SF	4	6	Surfacing	ND ND	ND ND
B-WB-3	09/12/13	North Unit, South Room West Wall	Drywall Texture	White paint w/white compound White brown drywall	950	SF	5	6	Surfacing	ND ND	ND ND
B-WB-6	02/14/17	North Unit, South Room North Wall	Drywall Texture	White paint w/ white compound Tan/white drywall	950	SF		6	Surfacing	ND ND	ND ND
B-WB-7	02/14/17	North Unit, Bath Room South Wall Center	Drywall Texture	White texture w/ white paint Tan/white drywall	256	SF		7	Surfacing	ND ND	ND ND
B-WB-8	02/14/17	North Unit, Bath Room South Wall Left	Drywall Texture	White compound Tan/white drywall	256	SF		7	Surfacing	ND ND	ND ND
B-WB-9	02/14/17	North Unit, Bath Room South Wall Right	Drywall Texture	White texture w/ white paint Tan/white drywall	256	SF		7	Surfacing	ND ND	ND ND
M-D-1	05/14/13	North Unit Floor	Molding	White mastic Tan cove base	90	LF	11	8	Surfacing	ND ND	ND ND
B-CT-2	02/14/17	North Unit South Ceiling (one tile)	Ceiling Tile	White/tan ceiling tile	6	SF		9	Miscellaneous	ND	ND
B-WB-4	09/12/13	South Unit Ceiling	Drywall	White paint w/white compound Pink brown drywall	1,500	SF	6	10	Surfacing	ND ND	ND ND
B-WB-5	09/12/13	South Unit South Wall	Drywall	White paint w/white compound Pink brown drywall	1,500	SF	7	10	Surfacing	ND ND	ND ND
B-WB-6	09/12/13	South Unit East Wall	Drywall	White paint w/white compound Pink brown drywall	1,500	SF	8	10	Surfacing	ND ND	ND ND
B-WB-7	09/12/13	South Unit North Wall	Drywall	White paint w/white compound Pink brown drywall	1,500	SF	9	10	Surfacing	ND ND	ND ND
B-WB-8	09/12/13	South Unit North Bath Wall	Drywall	White paint w/white compound Pink brown drywall	1,500	SF	10	10	Surfacing	ND ND	ND ND
L-1	05/14/13	South Unit Bath Floor	Lino	Yellow mastic Tan/grey/white sheet vinyl	72	SF	11	11	Miscellaneous	ND ND	ND ND

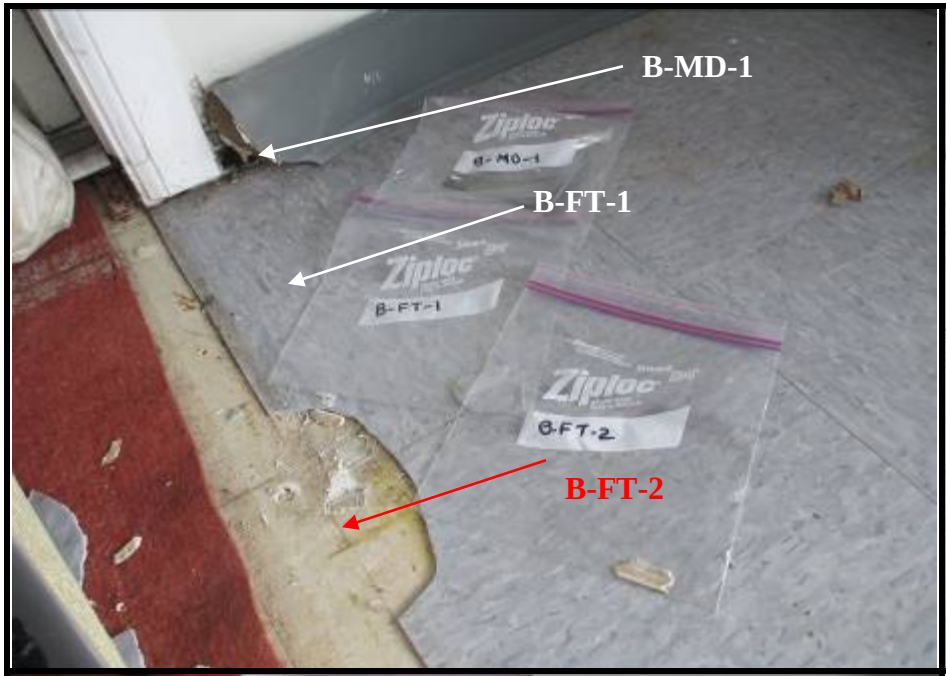

Photo 1:
North Unit

Photo 2:
North Unit Ceiling Tile

Photo 3:
North Unit Drywall

7225 Bradburn Boulevard
Westminster, Colorado

Strategic Environmental Management LLC.

Photo 4:
North Unit Drywall

Photo 5:
North Unit Drywall

Photo 6:
South Unit Drywall Ceiling

7225 Bradburn Boulevard
Westminster, Colorado

Strategic Environmental Management L.L.C.

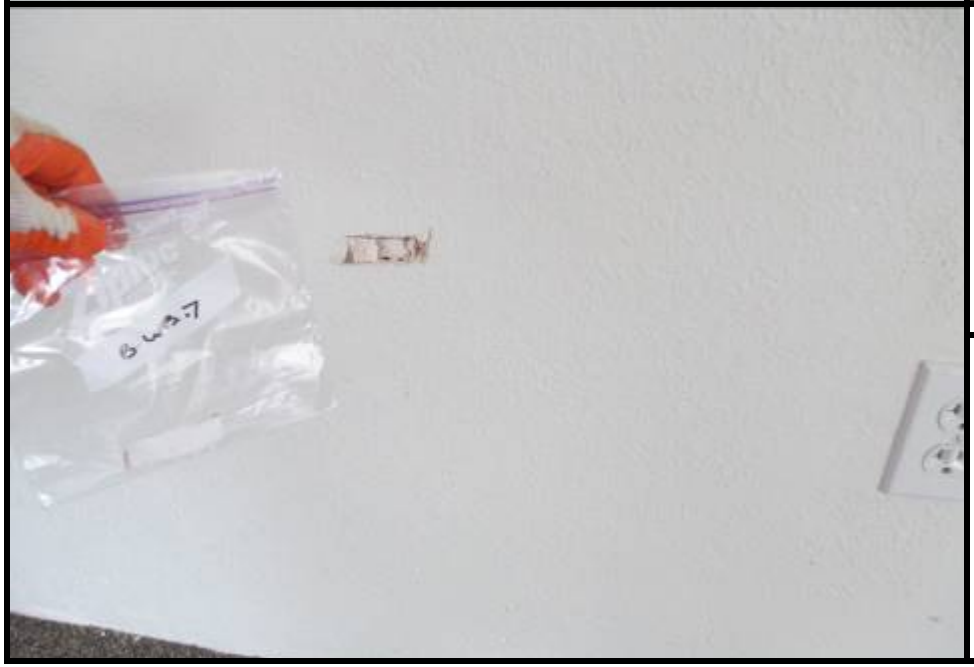

Photo 7:
South Unit Drywall

Photo 8:
South Unit Drywall

Photo 9:
South Unit Drywall

7225 Bradburn Boulevard
Westminster, Colorado

Strategic Environmental Management LLC.

		**7225 Bradburn Boulevard** **Westminster, Colorado**
Photo 10: South Unit Bath Drywall	Photo 11: South Unit Linoleum and Molding	Strategic Environmental Management LLC

Reservoirs Environmental, Inc.

February 22, 2017

Subcontract Number: **NA**
Laboratory Report: **RES 372190-1**
Project # / P.O. # **None Given**
Project Description: **7225 Bradburn Blvd**

SGM
5030 S. Fulton St.
Greenwood Village CO 80111

Dear Customer,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 101896-0 for Transmission Electron Microscopy (TEM) and Polarized Light Microscopy (PLM) analysis and the American Industrial Hygiene Association (AIHA), Lab ID 101533 - Accreditation Certificate #480 for Phase Contrast Microscopy (PCM) analysis. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

RES 372190-1 is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. Reservoirs Environmental, Inc. will not discuss any part of this study with personnel other than those of the client. The results described in this report only apply to the samples analyzed. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without written approval from Reservoirs Environmental, Inc. Samples will be disposed of after sixty days unless longer storage is requested. If you have any questions about this report, please feel free to call 303-964-1986.

Sincerely,

Gina Vettraino for

Jeanne Spencer
President

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 372190-1**
Client: **SGM**
Client Project Number / P.O.: **None Given**
Client Project Description: **7225 Bradburn Blvd**
Date Samples Received: **February 14, 2017**
Method: **EPA 600/R-93/116 - Short Report, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **February 22, 2017**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem/Act=Tremolite/Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
B-WB-4	EM 1802787	A	White texture w/ white paint	20		ND	0	100
		B	Tan/white drywall	80		ND	12	88
B-WB-5	EM 1802788	A	White texture w/ white paint	10		ND	0	100
		B	Tan/pink drywall	90		ND	10	90
B-WB-6	EM 1802789	A	White paint w/ white compound	5		ND	0	100
		B	Tan/white drywall	95		ND	10	90
B-WB-7	EM 1802790	A	White texture w/ white paint	10		ND	0	100
		B	Tan/white drywall	90		ND	10	90
B-WB-8	EM 1802791	A	White compound	10		ND	0	100
		B	Tan/white drywall	90		ND	10	90
B-WB-9	EM 1802792	A	White texture w/ white paint	5		ND	0	100
		B	Tan/white drywall	95		ND	10	90
B-CT-10	EM 1802793	A	White/tan ceiling tile	100		ND	55	45

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

Liu Wenlong

Analyst / Data QA

Due Date: 2-17-2-21
Due Time: _____

Reservoirs Environmental, Inc.

5801 Logan St. Denver, CO 80216 • Ph: 303 964-1986 • Fax 303-477-4275 • Toll Free :866 RESI-ENV

After Hours Cell Phone: 720-339-9228

RES 372190

SUBMITTED BY:

Company: SEM
Address:
Project Number and/or P.O. #:
Project Description/Location: 7225 BRADBURN BLVD

INVOICE TO: (IF DIFFERENT)

Company:
Address:

CONTACT INFORMATION:

Contact:
Phone:
Fax:
Cell/pager:

Contact:
Phone:
Fax:
Cell/pager:

Final Data Deliverable Email Address:

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm & Sat. 8am - 5pm

PLM / PCM / TEM ____ RUSH (Same Day) ___ PRIORITY (Next Day) X STANDARD (3-5 Day)
(Rush PCM = 2hr, TEM = 6hr.)

CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm

Metal(s) / Dust** ___ RUSH ___ 24 hr. ___3-5 Day
RCRA 8 / Metals & Welding Fume Scan / TCLP** __RUSH (3 Day)__5 Day __10 Day
Organics ___ 24 hr. ___ 3 day ___5 Day

Prior notification is required for RUSH turnarounds.

MICROBIOLOGY LABORATORY HOURS: Weekdays: 9am - 6pm

E.coli and/or Coliforms* ___ 24-48 Hour Other: _____
Pathogens* ___ 24-48 Hour
Microbial Growth* ___ 5-10 Day
Legionella ___ 10 Day
Mold ___ RUSH ___24 Hr ___48 Hr ___3 Day ___5 Day

TAT dependent on speed of microbial growth.

Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.

Special Instructions:

REQUESTED ANALYSIS

	PLM - Short report, Point Count, Long report, Qualitative	TEM - AHERA, Level II, 7402, ISO, +/- (Air, Bulk or Dust), Quant, Semi-Quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) RCRA 8, TCLP, Welding Fume, Metals Scan, pH	ORGANICS - METH, TSS	MICROBIOLOGY: Pathogens: Aerobic Plate Count, Salmonella, E.coli O157:H7, Listeria, S.aureus, Camphlobacter: +/- or Quantification	MICROBIOLOGY: E.coli and/or Coliforms: +/- or Quantification Yes / No State Water (Please Circle One)	MICROBIOLOGY: Microbial Growth: Aerobic Plate Count ID, Y & M or Bacteria, Fungal, +/- or Quantification	MICROBIOLOGY: Legionella: +/- or Quantification	MICROBIOLOGY: Other: Bioburden, LAL or Environmental	MICROBIOLOGY: Mold: Spore Trap or Bulk: +/-, Identification, Quantification, Viable or Non-Viable	SAMPLER'S INITIALS OR OTHER NOTES:	Sample Volume (L) / Area	Matrix Code	# Containers	Date Collected mm/dd/yy	Time Collected hh/mm a/p	EM Number (Laboratory Use Only)
1	B-WB-4																		1802787
2	-WB-5																		8
3	-6																		9
4	-7																		90
5	-8																		1
6	-WB-9																		2
7	B-CT-2																		3
8																			
9																			
10																			

VALID MATRIX CODES

Air = A	Bulk = B
Dust = D	Paint = P
Soil = S	Wipe = W
Swab = SW	F = Food
Drinking Water = DW	Waste Water = WW
O = Other	

ASTM E1792 approved wipe media only

LAB NOTES:

Number of samples received: 7 (Additional samples shall be listed on attached long form.)

NOTE: REI will analyze incoming samples based upon information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET 30 days, failure to comply with payment terms may result in a 1.5% monthly interest surcharge.

Relinquished By: _____ Date/Time: 2/14/17 4:00PM

Laboratory Use Only
Received By: Lanie Maez Date/Time: 2.14.17 4:00 Carrier: (Hand) / FedEx / UPS / USPS / Drop Box / Courier

Sample Condition: On Ice Yes / No | Sealed Yes / No | Intact Yes / No
Temp. (F°) _____

Data Entry QA:	Contact	Phone	Email	Fax	Date	Time	Initials	Contact	Phone	Email	Fax	Date	Time	Initials
	Contact	Phone	Email	Fax	Date	Time	Initials	Contact	Phone	Email	Fax	Date	Time	Initials

Reservoirs Environmental, Inc.

September 20, 2013

Subcontract Number:	**NA**
Laboratory Report:	**RES 269134-1**
Project # / P.O. #	**None Given**
Project Description:	**Westminister 7225**

SGM
5030 S. Fulton St.
Greenwood Village CO

Dear Customer,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 101896-0 for Transmission Electron Microscopy (TEM) and Polarized Light Microscopy (PLM) analysis and the American Industrial Hygiene Association (AIHA), Lab ID 101533 - Accreditation Certificate #480 for Phase Contrast Microscopy (PCM) analysis. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

RES 269134-1 is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. Reservoirs Environmental, Inc. will not discuss any part of this study with personnel other than those of the client. The results described in this report only apply to the samples analyzed. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without written approval from Reservoirs Environmental, Inc. Samples will be disposed of after sixty days unless longer storage is requested. If you have any questions about this report, please feel free to call 303-964-1986.

Sincerely,

Elisha Ellerman for

Jeanne Spencer
President

RESERVOIRS ENVIRONMENTAL, INC.

NVLAP Lab Code 101896-0

TDH Licensed Laboratory # 30-0136

TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 269134-1**
Client: **SGM**
Client Project Number / P.O. **None Given**
Client Project Description: **Westminister 7225**
Date Samples Received: **September 12, 2013**
Method: **EPA 600/R-93/116 - Short, Bulk**
Turnaround: **3-5 Day**
Date Analyzed: **September 20, 2013**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem-Act=Tremolite-Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
B-FT-1	EM 1023882	A	Yellow mastic	1		**ND**	TR	100
		B	Gray/white floor tile	99		**ND**	0	100
B-FT-2	EM 1023883	A	Tan mastic	8		**ND**	TR	100
		B	Beige/tan floor tile	92	**Chrysotile**	**6**	0	94
B-MD-1	EM 1023884	A	Beige mastic	4		**ND**	0	100
		B	Gray cove base	96		**ND**	0	100
B-CT-1	EM 1023885	A	Tan/white ceiling tile	100		**ND**	65	35
B-WB-1	EM 1023886	A	White paint w/ white compound	10		**ND**	0	100
		B	Pink/brown drywall	90		**ND**	40	60

RESERVOIRS ENVIRONMENTAL, INC.

NVLAP Lab Code 101896-0

TDH Licensed Laboratory # 30-0136

TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 269134-1**
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ND=None Detected
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Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
B-WB-2	EM 1023887	A	White paint w/ white compound	10		**ND**	0	100
		B	White/brown drywall	90		**ND**	35	65
B-WB-3	EM 1023888	A	White paint w/ white compound	4		**ND**	0	100
		B	White/brown drywall	96		**ND**	15	85
B-WB-4	EM 1023889	A	White texture w/ white paint	5		**ND**	0	100
		B	Pink/brown drywall	95		**ND**	20	80
B-WB-5	EM 1023890	A	White texture w/ white paint	10		**ND**	0	100
		B	Pink/brown drywall	90		**ND**	30	70

RESERVOIRS ENVIRONMENTAL, INC.

NVLAP Lab Code 101896-0

TDH Licensed Laboratory # 30-0136

TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

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Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
B-WB-6	EM 1023891	A	White texture w/ white paint	5		**ND**	0	100
		B	Pink/brown drywall	95		**ND**	15	85
B-WB-7	EM 1023892	A	White texture w/ white paint	10		**ND**	0	100
		B	Pink/brown drywall	90		**ND**	25	75
B-WB-8	EM 1023893	A	White texture w/ white paint	8		**ND**	0	100
		B	Pink/brown drywall	92		**ND**	50	50
L-1	EM 1023894	A	Yellow mastic	5		**ND**	0	100
		B	Tan/gray/white sheet vinyl	95		**ND**	0	100

RESERVOIRS ENVIRONMENTAL, INC.

NVLAP Lab Code 101896-0

TDH Licensed Laboratory # 30-0136

TABLE PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 269134-1**
Client: **SGM**
Client Project Number / P.O. **None Given**
Client Project Description: **Westminister 7225**
Date Samples Received: **September 12, 2013**
Method: **EPA 600/R-93/116 - Short, Bulk**
Turnaround: **3-5 Day**
Date Analyzed: **September 20, 2013**

ND=None Detected
TR=Trace, <1% Visual Estimate
Trem-Act=Tremolite-Actinolite

Client Sample Number	Lab ID Number	LAYER	Physical Description	Sub Part (%)	Asbestos Content: Mineral	Asbestos Content: Visual Estimate (%)	Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
M-D-2	EM 1023895	A	White mastic	5		**ND**	0	100
		B	Tan cove base	95		**ND**	0	100

TEM Analysis recommended for organically bound material (i.e. floor tile) if PLM results are <1%.

Analyzed by: Brett S. Colbert

Data QA: Elisha Ellerman

Due Date: 9-17-9-19/13
Due Time: 4pm

Reservoirs Environmental, Inc.

5801 Logan St. Denver, CO 80216 • Ph: 303 964-1986 • Fax 303-477-4275 • Toll Free 866 RESI-ENV
After Hours Cell Phone: 720-339-9228

RES 269134

Company: GEM
Address: 5030 S Fulton St, GWV, CO 80111 [handwriting partly illegible]
Project Number and/or P.O. #:
Project Description/Location: WESTMINSTER 7225

INVOICE TO: (IF DIFFERENT)
Company:
Address: Paid w/ C.C.

Contact:
Phone:
Fax:
Cell/pager:
Final Data Deliverable Email Address:

CONTACT INFORMATION:
Contact:
Phone:
Fax:
Cell/pager:

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm
(PLM circled) / PCM / TEM ___ RUSH (Same Day) ___ PRIORITY (Next Day) X STANDARD
(Rush PCM = 2hr, TEM = 6hr.)

CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm
Metal(s) / Dust ___ RUSH ___ 24 hr. ___ 3-5 Day
RCRA 8 / Metals & Welding Fume Scan / TCLP ___ RUSH ___ 5 day ___ 10 day
Organics ___ 24 hr. ___ 3 day ___ 5 Day
Prior notification is required for RUSH turnarounds.

MICROBIOLOGY LABORATORY HOURS: Weekdays: 9am - 6pm
E.coli O157:H7, Coliforms, S.aureus ___ 24 hr. ___ 2 Day ___ 3-5 Day
Salmonella, Listeria, E.coli, APC, Y & M ___ 48 Hr. ___ 3-5 Day
Mold ___ RUSH ___ 24 Hr ___ 48 Hr ___ 3 Day ___ 5 Day

Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.

Special Instructions:

REQUESTED ANALYSIS
- PLM - Short report, Long report, Point Count
- TEM - AHERA, Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps
- PCM - 7400A, 7400B, OSHA
- DUST - Total, Respirable
- METALS - Analyte(s) RCRA 8, TCLP, Welding Fume, Metals Scan
- ORGANICS - METH
- MICROBIOLOGY: Salmonella: +/-; E.coli O157:H7: +/-; Listeria: +/-; Aerobic Plate Count: +/- or Quantification; E.coli: +/- or Quantification; Coliforms: +/- or Quantification; S.aureus: +/- or Quantification; Y & M: +/- or Quantification; Mold: +/-, Identification, Quantification
- SAMPLER'S INITIALS OR OTHER NOTES

VALID MATRIX CODES
Air = A, Bulk = B, Dust = D, Paint = P, Soil = S, Wipe = W, Swab = SW, F = Food, Drinking Water = DW, Waste Water = WW, O = Other
ASTM E1792 approved wipe media only

LAB NOTES:

	Client sample ID number (Sample ID's must be unique)	Sample Volume (L) / Area	Matrix Code	# Containers	Date Collected mm/dd/yy	Time Collected hh/mm a/p	EM Number (Laboratory Use Only)
1	B-FT-1						
2	B.FT-2						1023882
3	B-MB-1						3
4	B.CT-1						4
5	B.WB-1						5
6	B-WB-2						6
7	B WB-3						7
8	B-WB 4						8
9	B-WB 5						9
10	B-WB 6						90 / 1

Number of samples received: 14 (Additional samples shall be listed on attached long form.)

NOTE: REI will analyze incoming samples based upon information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET 30 days, failure to comply with payment terms may result in a 1.5% monthly interest surcharge.

Relinquished By: [signature] Date/Time: 9/12/13 4:00pm

Laboratory Use Only
Received By: [initials] Date/Time: 9/12/13 4pm Carrier: hand

Sample Condition: Temp. (F°) ___ On Ice Yes / No Sealed Yes / No Intact (Yes) / No

Results:	Contact	Phone Email Fax	Date	Time	Initials	Contact	Phone Email Fax	Date	Time	Initials
	Contact	Phone Email Fax	Date	Time	Initials	Contact	Phone Email Fax	Date	Time	Initials

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REI LAB
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RES Job # 269134 Page 2 of 2

Submitted by:

Client sample ID number (Sample ID's must be unique)	REQUESTED ANALYSIS: PLM - Short report, Long report, Point Count; TEM - AHERA, Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps; PCM - 7400A, 7400B, OSHA; DUST - Total, Respirable; METALS - Analyte(s) RCRA 8, TCLP, Welding Fume, Metals Scan; ORGANICS - METH; MICROBIOLOGY: Salmonella +/-, E.coli O157:H7 +/-, Listeria +/-, Aerobic Plate Count +/- or Quantification, E.coli +/- or Quantification, Coliforms +/- or Quantification, S.aureus +/- or Quantification, Y & M +/- or Quantification, Mold +/- or Quantification; OTHER -	Sample Volume (L) / Area	Matrix Code	# Containers	Date Collected mm/dd/yy	Time Collected hh/mm a/p	LAB NOTES: / EM Number (Laboratory Use Only)
11	B-WB-7					1023392 3
12	B-WB-8					
13	L-1					
14	MD2					
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17						
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41						

VALID MATRIX CODES: Air = A; Bulk = B; Dust = D; Paint = P; Soil = S; Wipe = W; Swab = SW; F = Food; Drinking Water = DW; Waste Water = WW; O = Other; **ASTM E1792 approved wipe media only**

7-2011 version 1

Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Patrick E Lee

Certification No.: 17670

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: **November 09, 2016**

Expires: **November 09, 2017**

**** 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