



Purchasing Division

ADDENDUM NO. 1

DATE: April 27, 2015
FROM: City of Grand Junction Purchasing Division
TO: All Offerors
RE: IFB-4045-15-DH White Hall Demolition

Offerors responding to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.

Please make note of the following clarifications:

1. Contractors, please reference the attached testing results for Vermiculite and Asbestos Testing, and disposal procedures.

The original solicitation for the project noted above is amended as noted.

All other conditions of subject remain the same.

Respectfully,

A handwritten signature in black ink, appearing to read "Duane Hoff Jr.", is written over a horizontal line.

Duane Hoff Jr., Senior Buyer
City of Grand Junction, Colorado

April 23, 2015

Harry Weiss
Director, Downtown Development Authority
248 S. 4th Street
Grand Junction CO 81501

Subject: Asbestos Sampling
White Hall, 600 White Avenue
Grand Junction, Colorado
Avant Project No. 9009-4

Dear Mr. Weiss:

Avant Environmental Services, Inc. (Avant) obtained samples for asbestos analysis from White Hall, 600 White Avenue, Grand Junction, Colorado. The inspection was conducted to determine if vermiculite insulation is present in the cinderblock walls and to quantify asbestos used in roofing materials. White Hall is a three-story masonry structure that had asbestos removed from the interior, leaving open areas and exposed structural elements in the interior.

Vermiculite – Holes were made into the cinderblock at three locations of the interior, and outlets were uncovered at three other locations to observe the contents of the cinderblock cavities. Observations were made on all three floors and into north, south, and east exterior walls. No fill material of any kind was observed in any of the observation holes, indicating no vermiculite was used during construction of the exterior walls.

Roofing – The roof covers about 4,400 square feet on the main building. (A canopy roof over the south entrance was found to contain non-friable asbestos in an earlier inspection by others.) Three core samples of the main roof were obtained, one each from the southwest and southeast corners, and one from near the north wall. The samples revealed a perlitic plaster or concrete decking, overlain by a tar layer that is about $\frac{3}{4}$ to 1 inch thick, overlain by gravel. Two core samples extended into the white perlitic plaster visible in the interior of the building used to construct the roof deck. A sample of tar used as flashing to transition from the wall to the roof tar was also obtained (R-02). Samples were placed into individual sampling containers, labeled, and sent to Reservoirs Environmental, a NVLAP-certified asbestos laboratory in Denver. The sampling holes were completely filled with pure silicon caulking after sampling. A summary of samples and asbestos content are tabulated here.

Sample	Location	Material	Asbestos Content
R-01	SE corner of roof tar layer	Black tar, some fibrous	15% in 30% of the sample
R-02	SW corner, flashing tar only	Black tar	8% chrysotile
R-03	SW corner tar layer only	Black tar, some fibrous	15% in 17% of the sample
R-04	SW corner, concrete decking	White perlitic plaster	None detected
R-05	North side tar layer	Black tar, some fibrous	10-15% in 30% of sample
R-06	North side, concrete decking	White perlitic plaster	None detected

The roofing tar was found to consist of up to 10 separate layers. Of these, one or two of the lower layers were found to contain 10% to 15% chrysotile asbestos using polarized light microscopy. The flashing tar was found to contain 8% chrysotile asbestos. All identified asbestos-containing roofing was observed to be in good condition and to be non-friable.

Disposal – The non-friable asbestos-containing roofing material can be disposed at the Mesa County landfill. The material must be double-wrapped in 6-mil polyethylene and labeled as asbestos-containing, and the landfill must be notified at least 24 hours prior to transport at (970) 254-4158. There is a \$50 processing fee per project in addition to the ordinary \$20/ton disposal fee for non-friable asbestos disposal.

Please contact me with any questions at (970) 260-8468. Thank you for selecting Avant for your project.

Sincerely,



Edward M. Baltzer, CPG 8861, CHMM
General Manager

Attachments: Sampling Form
Chain-of-Custody Form
Analytical Results

Due Date: 4-22-15
Due Time: 10:40

REILAB Reservoirs Environmental, Inc.
5601 Logan Bl, Denver, CO 80216 • Ph: 303 884-1985 • Fax 303-477-4275 • Toll Free 866 RESERV
Pager: 303-509-2098

RES 318034

INVOICE TO: (IF DIFFERENT)

Company: **Anant Environmental**
Address: **190 Mesa Grande Dr. Grand Junction, CO 81507**
Project Number and/or P.O. #: **9009-4 WH Roof**
Project Description/Location: **9009-4 WH Roof**

Company: **Ed Baltzer**
Address: **970 260 8468**
Project Number and/or P.O. #: **9009-4 WH Roof**
Project Description/Location: **9009-4 WH Roof**

Client sample ID number (Sample ID's must be unique)	REQUESTED ANALYSIS				VALID MATRIX CODES				EM Number (Laboratory Use Only)
	ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm PLM / PCM / TEM	CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm Metals / Dust	MICROBIOLOGY LABORATORY HOURS: Weekdays: 9am - 6pm E.coli O157:H7, Coliforms, S.aureus	METALS - Analyte(s)	Air = A	Bulk = B	Paint = P	Time Collected (hh:mm:ap)	
1 R-01	PCM - Short report, Long report, Point Count	PCRA 8 / Metals & Welding	Salmonella +/-	RCRA 8 / TCLP, Welding Fume, Metals Scan	Dust = D	Soil = S	Food = F	1389819	
2 R-02	PCM - Short report, Long report, Point Count	PCRA 8 / Metals & Welding	Salmonella +/-	RCRA 8 / TCLP, Welding Fume, Metals Scan	Swab = SW	Wipe = W	Food = F	20	
3 R-03	PCM - Short report, Long report, Point Count	PCRA 8 / Metals & Welding	Salmonella +/-	RCRA 8 / TCLP, Welding Fume, Metals Scan	Drinking Water = DW	Waste Water = WW	Food = F	1	
4 R-04	PCM - Short report, Long report, Point Count	PCRA 8 / Metals & Welding	Salmonella +/-	RCRA 8 / TCLP, Welding Fume, Metals Scan	O = Other			2	
5 R-05	PCM - Short report, Long report, Point Count	PCRA 8 / Metals & Welding	Salmonella +/-	RCRA 8 / TCLP, Welding Fume, Metals Scan	**ASTM E1792 approved wipe media only**			3	
6 R-06	PCM - Short report, Long report, Point Count	PCRA 8 / Metals & Welding	Salmonella +/-	RCRA 8 / TCLP, Welding Fume, Metals Scan				4	

Number of samples received: **6** (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: **Edmund M Baltzer** Date/Time: **4.21.15 10:40** Carrier: **Fedex Express**

Laboratory Use Only: **Elisa Mari** Date/Time: **4.21.15 10:40**

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



April 22, 2015

Subcontract Number: NA
Laboratory Report: RES 318034-1
Project # / P.O. # 9009-4 WH Roof
Project Description: None Given

Ed Baltzer
Avant Environmental Inc.
120 Mesa Grande Dr.
Grand Junction CO 81507

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 318034-1 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,


Elisa Mari for

Jeanne Spencer
President

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 318034-1**
 Client: **Avant Environmental Inc.**
 Client Project Number / P.O.: **9009-4 WH Roof**
 Client Project Description: **None Given**
 Date Samples Received: **April 21, 2015**
 Method: **EPA 600/R-93/116 - Short Report, Bulk**
 Turnaround: **24 Hour**
 Date Samples Analyzed: **April 22, 2015**

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

Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
R-01	EM 1389819	A	Black tar	5		ND	0	100
		B	Black tar w/ black fibrous woven material	15		ND	35	65
		C	Black tar w/ black fibrous tar	15		ND	15	85
		D	Black tar w/ black fibrous tar	17		ND	12	88
		E	Black granular tar w/ black fibrous tar	18		ND	15	85
		F	Black fibrous tar	30		Chrysotile	15	0
R-02	EM 1389820	A	Black tar	100	Chrysotile	8	0	92

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

Chris Werre
Chris Werre

Analyst / Data QA

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Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
R-03	EM 1389821	A	Black fibrous tar w/ black tar	7		ND	25	75
		B	Black fibrous tar w/ black tar	8		ND	25	75
		C	Black fibrous tar w/ black tar	8		ND	25	75
		D	Black tar w/ white fibrous woven material	10		ND	25	75
		E	Black fibrous tar w/ black tar & black tar	12		ND	20	80
		F	Black fibrous tar	17	Chrysotile	15	5	80
		G	White/black shingle debris w/ black tar	18		ND	20	80
		H	Red/black shingle debris w/ black tar	20		ND	20	80
R-04	EM 1389822	A	Black fibrous tar	30		ND	30	70
		B	White perlitic plaster w/ red granular debris	70		ND	0	100

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

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Analyst / Data QA

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Client Sample Number	Lab ID Number	L A Y E R	Physical Description	Sub Part (%)	Asbestos Content		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	Visual Estimate (%)		
R-05	EM 1389823	A	Black tar w/ black fibrous tar	5		ND	15	85
		B	Black fibrous tar w/ black tar	5		ND	30	70
		C	Black fibrous tar w/ black tar	5		ND	30	70
		D	Black tar w/ black fibrous tar	7		ND	20	80
		E	Black tar w/ black fibrous woven material	10		ND	40	60
		F	Black fibrous tar w/ black tar & black tar	10		ND	25	75
		G	Black tar w/ black fibrous tar & black tar	13		ND	20	80
		H	White/black shingle debris w/ black tar	15		ND	25	75
		I	Black fibrous tar	15	Chrysotile	15	3	82
		J	Black fibrous tar w/ black tar	15	Chrysotile	10	5	85
R-06	EM 1389824	A	Black tar w/ black fibrous tar	8		ND	15	85
		B	Black fibrous tar w/ black tar	15		ND	35	65
		C	Black fibrous tar w/ black tar	17		ND	35	65
		D	Off white perlitic plaster	60		ND	0	100

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

Chris Werre
Chris Werre
 Analyst / Data QA

ACCLAIM ENVIRONMENTAL

S E R V I C E S I N G

14367 Lakeview Lane, Broomfield, Colorado 80023
Tel: 303.424.4647
Fax: 303.432.8669

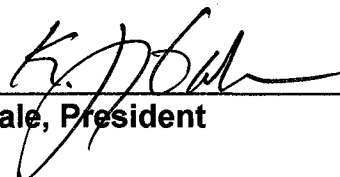
CERTIFIES THAT

EDWARD BALTZER

Has successfully completed

The **EPA-Approved AHERA Annual Refresher Course** for INSPECTOR. This course is EPA-approved under Section 206 of the Toxic Substances Control Act (TSCA) and meets the requirements of Colorado Regulation No. 8.

Course Date: 04/08/15
Exam Date: N/A
Certificate No.: AE15-024-BI-R-04
Expiration Date: 04/08/16


K. Jay Gale, President