ASBESTOS-CONTAINING MATERIAL (ACM) SURVEY AND ABATEMENT COST ESTIMATE

BLM Task Order 164, BPA L14PB00728 (NAB060001 Legacy Number)

L1440784 – Vale District Office
43.98692 / -117.23875
Vale District Office, Oregon

Report Date Site Survey Date	July 1, 2015 April 6, 2015
ACM Identified in Building?* ACM Abatement Cost Estimate*	Yes $3,600.00

**Subject to the assumptions and limitations as described in the following report.*

Submitted by:

Aarcher, Inc.
2635 Riva Road, Suite 100
Annapolis, Maryland 21401
410-897-9100
Program Manager: Craig J. Schwartz

Submitted to:

U.S. Department of the Interior
Bureau of Land Management (BLM)
Building 50, Denver Federal Center
Denver, Colorado 80225-0047
Attn: Krista Doebbler

July 1, 2015

Aarcher, Inc.
Craig J. Schwartz, CHMM, CPEA
President
2635 Riva Road, Suite 100
Annapolis, Maryland 21401

RE: Asbestos-Containing Materials Survey and Asbestos Abatement Cost Estimates
L1440784 – Vale District Office
Vale District Office, Oregon
Tetra Tech Project Number 114-551646, Task 100

Dear Mr. Schwartz:

Tetra Tech is pleased to submit the attached Asbestos-Containing Materials Survey and Asbestos Abatement Cost Estimates report for the above-referenced site. This report includes the scope of work, procedures and methodologies, tables, figures, analytical laboratory results, and abatement cost estimate for each asbestos-containing material identified during this survey.

Tetra Tech appreciates the opportunity to perform these services for Aarcher, Inc. (AARCHER) and we look forward to working with you in the future. If you have questions or comments regarding the information in this report or if we can be of further assistance please do not hesitate to contact the Tetra Tech Billings, Montana office at (406) 248-9161.

Sincerely,

Tetra Tech

Daniel Lawrence
AHERA Accredited Building Inspector/
Project Designer/ Contractor Supervisor

Roger W. Herman, Jr.
AHERA Accredited Building Inspector/ Management
Planner/ Project Designer/ Contractor Supervisor

Tetra Tech
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1.0 PURPOSE AND SCOPE OF SERVICES

The purpose of this project was to conduct an Asbestos-Containing Materials (ACM) survey and provide Asbestos Abatement Cost Estimates for identified ACM located in the L1440784 – Vale District Office located at the Vale District Office, Oregon. Tetra Tech provided services as outlined below:

Conduct a representative asbestos survey of the identified building, which includes the following:

1. Review existing asbestos reports for the building areas, if provided;
2. Survey all of the interior and exterior areas of the building, including building roofs;
3. Identify accessible suspect ACMs using Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Act (AHERA) protocols;
4. Collect and analyze bulk samples of suspect friable and non-friable materials to eliminate suspect materials as asbestos containing;
5. Quantify ACMs, including material condition and location; and
6. Provide ACM abatement cost estimates for ACM identified during the survey of the building.

2.0 GENERAL SITE CONDITIONS

The building is a one story wood framed structure, building situated on a slab-on-grade foundation and covered by an asphalt roof. The building contains a Forced Air heating system located in the attic and on the building exterior. The building was reportedly constructed in 1962, and is approximately 16,320 gross square feet. Interior finishes include carpet and vinyl sheet flooring. The exterior finish consists of wood siding.

3.0 REGULATORY STANDARDS

The survey for asbestos-containing materials (ACM) was conducted using the protocol developed for schools under the Asbestos Hazard Emergency Response Act (AHERA), as promulgated in Title 40, Code of Federal Regulations, Part 763 (40 CFR, Part 763).354. Classification of the asbestos-containing material was performed under the guidelines of the National Emission Standards for Hazardous Air Pollutants (NESHAP). The work was also performed in general accordance with the AARCHER Subcontract Number 020004-S-TT, dated October 8, 2014 and Task Order 020004-S-TT-05, dated October 8, 2014. Tetra Tech field personnel were accredited AHERA Asbestos Building Inspectors at the time of the inspection.

4.0 ASBESTOS-CONTAINING MATERIALS SURVEY AND ASBESTOS ABATEMENT COST ESTIMATES

Tetra Tech representative Mr. Dan Lawrence conducted the asbestos survey of the building on April 6, 2015. Mr. Lawrence is an AHERA accredited Building Inspector, Project Designer and Supervisor. All field work was performed by and/or under the guidance of Mr. Dan Lawrence.

The scope of the Asbestos-Containing Materials Survey included all accessible suspect building materials and finishes of the interior and exterior areas of the building, including building roofs. If ACM was identified in the building, Asbestos Abatement Cost Estimates were provided for each identified material.

Previous ACM survey reports for the building were not made available for review by Tetra Tech prior to completion of the building inspection.

The building was visually inspected for the presence of building materials suspected to contain asbestos. Bulk samples of identified suspect ACMs were collected and placed into individual containers for transport to a National Voluntary Laboratory Accreditation Program (NVLAP)/American Industrial Hygiene Association (AIHA)-accredited laboratory for analysis. Materials visibly identified as non-asbestos (fibrous glass, foam rubber, wood, metal, and other non-suspect materials) were not sampled. The asbestos survey consisted of three basic procedures: **1)** conducting a visual inspection of the structure and identifying functional spaces; **2)** identifying homogeneous material areas of suspect surfacing, thermal system insulation, and miscellaneous materials; and **3)** sampling accessible, friable and non-friable suspect materials.

4.1 Homogeneous Materials

Prior to collecting any samples, homogenous materials were identified and listed to develop a sampling strategy. A homogeneous material sampling area can be described as one or more areas of material that are similar in appearance and texture and that have the same installation date and function. The actual number of samples collected from each homogeneous sampling area was based upon criteria detailed in the following sections.

4.2 Hazard Assessment Factors

From the list of suspect homogeneous materials, a physical assessment was performed for each material on the list. A physical assessment includes evaluating the condition, assessing the potential for disturbance, and determining the friability of each material. Friability is a term used to describe the ease in which a building material inherently lends itself to disturbance. By definition, "friable" materials are those that can be crumbled or reduced to powder by hand pressure when dry. Friable material may or may not contain asbestos. Each material on the list was further classified into one of three categories, which have specific sampling requirements for each category.

Surfacing Materials:	Refers to spray-applied or troweled surfaces such as plaster ceilings and walls, fireproofing, textured paints, textured plasters, and spray applied acoustical surfaces.
Thermal System Insulation	Refers to insulation used to inhibit heat gain or loss on pipes, boilers, tanks, ducts, and various other building components.

Miscellaneous Materials	Refers to friable and non-friable products and materials that do not fit in any of the above two categories such as resilient floor covering, baseboards, mastics, adhesives, roofing material, caulking, glazing, and siding. This category also contains wallboard and joint compound wall systems and acoustical ceiling tile.

All suspected ACMs were then assessed by their condition as good (no visible damage or showing only very limited damage or deterioration), damaged (less than 25% localized damage or 10% distributed damage), or significantly damaged (25% or greater localized damage or 10% or greater distributed damage) per Title 40 Code of Federal Regulations Part 63. ACM in good condition, whether friable or not, does not release fibers to the air and does not pose a health hazard.

4.3 Sampling Strategy

The asbestos inspection was conducted in general accordance with the AHERA requirements using a minimum number of samples collected for each homogenous material. These sampling requirements also meet the sampling requirements found in 29 CFR 1926.1101.

If the analytical results indicated that all the samples collected per homogenous material did not contain asbestos, then the homogenous material was considered a non-ACM. However, if the analytical results of one or more of the samples collected per homogenous material indicated that asbestos was present in quantities of greater than one percent (1%) asbestos by weight (as defined by EPA), all of the homogenous material was treated as an ACM regardless of any other analytical results. Material which was visually determined to be non-asbestos (i.e., fibrous glass, foam rubber, metal, etc.) by the accredited inspector was not required to be sampled.

Miscellaneous materials require adequately representative sampling, which is typically completed by collecting from one to three samples per material. Inspectors typically rely on other survey observations such as the condition, friability, and quantity of material to determine what would be a sufficient amount of samples to accurately evaluate the presence or absence of asbestos content. For this survey, a minimum of one sample per each homogenous miscellaneous material was collected.

Actual collection of a bulk asbestos sample involves physically removing a small piece of material and placing it in a marked, airtight container. Sample containers are marked with a unique identification number, which is also noted in the field notes.

4.4 Suspect Asbestos-Containing Material

Forty-three (43) bulk asbestos samples were collected from the building, with a total of 76 individual layers analyzed by Polarized Light Microscopy (PLM). The number of layers analyzed was based on the number of distinct materials associated with each bulk sample. For example, floor tile and associated mastic are collected as one bulk sample, but are analyzed as two distinct materials by the asbestos laboratory, as required by NVLAP.

4.5 Laboratory Analytical Results

Bulk samples were analyzed by Reservoirs Environmental, Inc. analytical laboratory located in Denver, Colorado, using PLM according to EPA method 600/R-93/116. This laboratory participates in the NVLAP, a quality assurance program for PLM.

Any material that contains greater than 1 percent (>1%) asbestos by PLM is considered an ACM and must be handled according to OSHA, EPA, and applicable state and local regulations.

For friable materials, when the amount of asbestos in the sample material is reported as “Trace Asbestos Detected” or less than 10% asbestos by PLM analysis, the client may either assume the amount to be greater than 1% and treat the material as ACM or require further verification of the amount by Point Counting Methods. If the result obtained by Point Counting is different from the result obtained by PLM analysis, the Point Count Method result should be used.

For friable materials, when the amount of asbestos in the sample material is reported as “None-Detected” by PLM analysis, no further verification of the sample results by Point Counting Methodology is recommended.

For non-friable materials, when the amount of asbestos in the sample material is reported as greater than 1% asbestos by PLM analysis, no further verification of the sample results by alternative methods of identification such as Transmission Electron Microscopy (TEM) Chatfield Method is recommended.

For non-friable materials such as vinyl/asphaltic products (floor tiles/floor sheeting, mastics, shingles, etc.), where small, thin asbestos fibers may have been potentially milled into the nonorganic binder matrix, when the amount of asbestos in the sample material is reported as “None-Detected” by PLM analysis, due to the difficulty in analyzing such small, thin asbestos fibers in resinously bound materials by PLM analysis, EPA recommends but does not require that these types of materials, which were reported as non-ACMs by PLM, be further analyzed using TEM Chatfield Method. Tetra Tech did not conduct such analysis.

The results of the laboratory analysis are summarized in tabular form in Section 5.0. The laboratory analytical report and corresponding chain-of-custody documents are included in Appendix A. Sample concentrations are reported in percent asbestos by volume and indicate the types of asbestos. Other common non-asbestos components may also be noted on the analytical reports. Site drawing(s) depicting approximate bulk sample locations is provided in Appendix B. Inspector and laboratory accreditations are provided in Appendix C, and Appendix D presents a photographic log of all ACM’s identified in the building (if present).

5.0 ASBESTOS-CONTAINING MATERIALS SURVEY AND ASBESTOS ABATEMENT COST ESTIMATES SUMMARY TABLE

ACM Bulk Sampling Results
L1440784 – Vale District Office
Vale District Office, Oregon

Homogeneous Material	Location of Material	Asbestos Content	Condition of Material	Friable in Current Condition?[a]	Potential to Become Friable?[b]	Health Risk Identified at time of Survey?[c]	Approximate Material Quantity	Material Category	Required Number of Samples to be Collected	Number of Samples Collected	Sample Numbers	ACM Abatement Cost Estimate[d]
Vinyl Sheet Flooring – Brown Pebble Pattern & Associated Mastic	Room 107,115	20% Chrysotile	G	No	No	No	450 SF	M	N/A	3	784-F1.2A, B, C	$3.600.00

AHERA / NESHAP Guidelines for Determining the Number of Samples to Collect on Federal facility

Homogeneous Material Category	Homogeneous Material Quantity	Number of Samples Required
Surfacing Materials	<1000 SF	3
	1000 - 5000 SF	5
	>5000 SF	7 or more
Thermal System Insulation	No Stipulation	3 (Must also sample all repair patches)
Miscellaneous Materials	No Stipulation	Per AHERA, these materials must be sampled "in a manner sufficient to determine whether or not they contain asbestos."

ND = None Detected N/A = Not Applicable

MATERIAL CATEGORY:
M = Miscellaneous Material
SM = Surfacing Material
TSI = Thermal System Insulation

APPROXIMATE MATERIAL QUANTITIES:
SF = Square Feet
LF = Linear Feet
Ea = Each

CONDITION:
G = Good
D = Damaged
SD = Significantly Damaged

a. *Friable" means any material that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. Friable material may or may not contain asbestos. Friable ACM does not pose a health risk unless it is damaged or disturbed (either ACM or non-ACM).*

b. *When non-friable ACM or friable ACM in good condition is subjected to mechanical forces, such as those encountered during demolition, renovation, or building maintenance, it can be crumbled, pulverized, or reduced to powder, and thereby release asbestos fibers. The nature and extent of any special work practices for custodial, maintenance, and construction staff should reflect the likelihood that the ACM will be disturbed and that fibers will be released. Maintenance activities can be divided into three categories with regard to their potential for disturbing ACM: (1) Those which are unlikely to involve any direct disturbance of ACM; for example, cleaning shelves or counter tops with a damp cloth; (2)Those which may cause accidental disturbance of ACM; for example, working on a fixture near a ceiling with surfacing ACM; and (3) Those which involve intentional small-scale manipulation or disturbance of ACM; for example, removing a small segment of thermal system insulation (TSI) ACM to repair a pipe leak.*

c. *Health risks associated with ACM in buildings are based on whether the materials are capable of releasing fibers to the air. ACM, whether friable or non-friable, do not pose a health hazard if it is in good condition and not damaged or disturbed. Proper asbestos management practices should be used during the demolition, renovation, or building maintenance of any materials that contains non-friable ACM or friable ACM in good condition.*

d. *These materials were determined to be less than 1% asbestos as a composite; and therefore would not require to be disposed of as asbestos waste. Specific abatement recommendations and procedures would be dependent upon the scope of the activities anticipated to disturb these materials, and should be determined on a case-by-case basis.*

Materials Tested and Determined Not to be ACM
Bulk Sampling Results
L1440784 – Vale District Office
Vale District Office, Oregon

Homogeneous Material	Location of Material	Asbestos Content	Condition of Material	Approximate Material Quantity	Material Category	Required Number of Samples to be Collected	Number of Samples Collected	Sample Numbers
Roofing Material	Roof of structure	ND	G	16,320 SF	M	N/A	3	784-M1.1A, B, C
Ceramic Tile – Brown Circle Pattern	Room 101	ND	D	75 SF	M	N/A	3	784-F1.1A, B, C
Mastic Associated with White 4” Cove Base	Room 110	ND	G	8 SF	M	N/A	3	784-M12.1A, B, C
Mastic Associated with Gray 4” Cove Base	Room 107,115	ND	G	45 SF	M	N/A	3	784-M12.2A, B, C
Tan Vinyl Sheet Flooring & Associated Mastic	Room 108,109,118,119	ND	G	140 SF	M	N/A	3	784-F1.3A, B, C
Mastic Associated with Gray 4” Cove Base	Room 101,115	ND	G	6 SF	M	N/A	3	784-M12.3A, B, C
Drywall/ Joint Compound/ Orange Peel Texture	Walls throughout structure	ND	G	13,760 SF	SM	7	7	784-S3.1A, B, C, D, E, F, G
White Vinyl Sheet Flooring & Associated Mastic	Room 115	ND	G	290 SF	M	N/A	3	784-F1.4A, B, C
White Sink Undercoating	Room 115	ND	G	2 SF	M	N/A	3	784-M10.1A, B, C
Drywall/ Joint Compound/ Light Orange Peel Texture	Room 102	ND	G	400 SF	SM	3	3	784-S3.1A, B, C
Ceiling Panels with Pinholes & Fissures	Ceiling throughout structure	ND	G	16,320 SF	M	N/A	3	784-M5.1A, B, C
Building Insulation	Throughout Attic	ND	G	16,320 SF	M	N/A	3	784-M15.1A, B, C

Materials Tested and Determined Not to be ACM
Bulk Sampling Results
L1440784 – Vale District Office
Vale District Office, Oregon

Homogeneous Material	Location of Material	Asbestos Content	Condition of Material	Approximate Material Quantity	Material Category	Required Number of Samples to be Collected	Number of Samples Collected	Sample Numbers

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MATERIAL CATEGORY:
M = Miscellaneous Material
SM = Surfacing Material
TSI = Thermal System Insulation

APPROXIMATE MATERIAL QUANTITIES:
SF = Square Feet
LF = Linear Feet
Ea = Each

CONDITION:
G = Good
D = Damaged
SD = Significantly Damaged

6.0 CONCLUSIONS

The results of the asbestos survey conducted at the L1440784 – Vale District Office, Vale District Office, Oregon building indicate that: one (1) of the accessible suspect building materials sampled were found to contain more than 1% asbestos.

Contractors and employees working in this building should be made aware of the possibility that concealed ACMs may be found during demolition/renovation. Contractors should also be advised not to disturb known or suspect ACMs without owner approval.

Any concealed building materials discovered during maintenance or renovation activities, which are suspected to contain asbestos, should be sampled by an accredited asbestos inspector and analyzed to confirm the presence of asbestos prior to disturbing.

The EPA has not prohibited the manufacture and import of miscellaneous materials, such as vinyl floorings, mastics, roofing materials, etc. As a result, any future replacement materials should be checked for the presence of asbestos prior to installation.

7.0 ASSUMPTIONS AND LIMITATIONS

The results, findings, conclusions, and recommendations expressed in the report are based only on conditions that were noted during Tetra Tech's inspection of the L1440784 – Vale District Office structure located at the Vale District Office, Oregon.

The selection of sample locations and frequency of sampling was based on Tetra Tech's observations and the assumption that like materials in the same area are homogeneous in content. Limited destructive investigation was conducted as needed to facilitate this inspection; however concealed ACMs may exist in concealed areas not investigated or identified during this inspection.

This report is designed to aid the client in understanding the extent of ACM as they pertain to the "Recognition and Measurement of Asbestos-Related Cleanup Costs," Technical Bulletin 2006-1, prepared by the Federal Accounting Standards Advisory Board, dated September 28, 2006 and to the renovation/demolition areas of the facility building areas. It should be noted that this report is not a complete Asbestos Abatement Specification or Work Plan.

Our professional services have been performed, our findings obtained, and our conclusions prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This statement is in lieu of other statements either expressed or implied. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated during this inspection.

Asbestos abatement cost estimates were obtained from asbestos abatement contractors who have not visited the site and have not seen the ACM to be abated. The costs provided herein, are magnitude estimates of costs with the following assumptions made:

- Assumes free and clear access to the work area during working hours.
- Assumes one mobilization to complete the abatement of one ACM.
- Assumes both power and water at no cost to contractor.
- Assumes protect in place all above ceiling electrical wiring, fire alarm, and WiFi cables.
- Does not include the demolition of any building components other than ACM.
- Pricing assumes that any required inspections and air testing is provided by the building owner or owner's representative.
- Assumes that no special conditions are added by any state or local regulatory agency.
- Work hours 7:00 AM to 5:00 PM Monday through Friday.
- Not be held responsible for packaging, moving or damage to items being moved, nor for providing storage and/or inventory of these items. If storage or inventory is needed the owner will provide what is necessary. Responsibility of any personal items is the owner's.
- No delays interfering with the diligent execution of the work beyond the contractor's control will be encountered.

APPENDIX A
ACM LABORATORY ANALYTICAL RESULTS

REI LAB **Reservoirs Environmental, Inc.**

April 22, 2015

Subcontract Number:	**NA**
Laboratory Report:	**RES 317514-1**
Project # / P.O. #	**114-551646.100**
Project Description:	**BLM Vale Bldg L1440784**

Dan Lawrence
Tetra Tech, Inc. (Billings, MT)
618 S. 25th Street
Billings MT 59101

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 317514-1 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 317514-1**
Client: **Tetra Tech, Inc. (Billings, MT)**
Client Project Number / P.O.: **114-551646.100**
Client Project Description: **BLM Vale Bldg L1440784**
Date Samples Received: **April 15, 2015**
Method: **EPA 600/R-93/116 - Short Report, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **April 22, 2015**

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 (%)
784-M1.1A	EM 1386627	A	Black tar	5		**ND**	0	100
		B	Black/multi-colored shingle	95		**ND**	15	85
784-M1.1B	EM 1386628	A	Black tar	2		**ND**	0	100
		B	Black/multi-colored shingle	98		**ND**	15	85
784-M1.1C	EM 1386629	A	Black tar	2		**ND**	0	100
		B	Black/multi-colored shingle	98		**ND**	15	85
784-F1.1A	EM 1386630	A	Gray resinous material	5		**ND**	0	100
		B	Brown ceramic tile	95		**ND**	0	100
784-F1.1B	EM 1386631	A	Gray resinous material	10		**ND**	0	100
		B	Brown ceramic tile	90		**ND**	0	100

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

Anya Angst
Analyst / Data QA

RESERVOIRS ENVIRONMENTAL INC.

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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 (%)
784-F1.1C	EM 1386632	A	Gray granular cementitious material	5		**ND**	0	100
		B	Gray resinous material	10		**ND**	0	100
		C	Brown ceramic tile	85		**ND**	0	100
784-M12.1A	EM 1386633	A	Off white mastic	100		**ND**	0	100
784-M12.1B	EM 1386634	A	Off white mastic	100		**ND**	0	100
784-M12.1C	EM 1386635	A	Off white mastic	100		**ND**	0	100
784-M12.2A	EM 1386636	A	Tan mastic	100		**ND**	0	100
784-M12.2B	EM 1386637	A	Tan mastic	100		**ND**	0	100

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

Anya Angst
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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 (%)
784-M12.2C	EM 1386638	A	Tan mastic	100		**ND**	0	100
784-F1.2A	EM 1386639	A	Tan mastic	TR		**ND**	0	100
		B	Brown sheet vinyl w/ gray fibrous backing material	100	**Chrysotile**	**20**	5	75
784-F1.2B	EM 1386640	A	Tan mastic	TR		**ND**	0	100
		B	Brown sheet vinyl w/ gray fibrous backing material	100	**Chrysotile**	**20**	5	75
784-F1.2C	EM 1386641	A	Tan mastic	1		**ND**	0	100
		B	Brown sheet vinyl w/ gray fibrous backing material	99	**Chrysotile**	**20**	5	75
784-F1.3A	EM 1386642	A	Tan mastic	5		**ND**	0	100
		B	Tan sheet vinyl	95		**ND**	0	100

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

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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 (%)
784-F1.3B	EM 1386643	A	Tan mastic	10		**ND**	0	100
		B	Tan sheet vinyl	90		**ND**	0	100
784-F1.3C	EM 1386644	A	Tan mastic	5		**ND**	0	100
		B	Tan sheet vinyl	95		**ND**	0	100
784-M12.3A	EM 1386645	A	Brown mastic	100		**ND**	0	100
784-M12.3B	EM 1386646	A	Brown mastic	100		**ND**	0	100
784-M12.3C	EM 1386647	A	Brown mastic	100		**ND**	0	100

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

Anya Angst
Analyst / Data QA

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 317514-1**
Client: **Tetra Tech, Inc. (Billings, MT)**
Client Project Number / P.O.: **114-551646.100**
Client Project Description: **BLM Vale Bldg L1440784**
Date Samples Received: **April 15, 2015**
Method: **EPA 600/R-93/116 - Short Report, Bulk**
Turnaround: **3-5 Day**
Date Samples Analyzed: **April 22, 2015**

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 (%)
784-S3.1A	EM 1386648	A	White texture w/ white paint	5		**ND**	0	100
		B	White texture w/ white paint	5		**ND**	0	100
		C	White/tan drywall	90		**ND**	15	85
784-S3.1B	EM 1386649	A	White texture w/ white/multi-layered paint	5		**ND**	0	100
		B	White/tan drywall	95		**ND**	15	85
784-S3.1C	EM 1386650	A	White texture w/ white paint	5		**ND**	0	100
		B	White tape	5		**ND**	90	10
		C	White joint compound	5		**ND**	0	100
		D	White/tan drywall	85		**ND**	15	85
784-S3.1D	EM 1386651	A	White texture w/ white/multi-layered paint	10		**ND**	0	100
		B	White/tan drywall	90		**ND**	15	85

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

Anya Angst
Analyst / Data QA

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

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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 (%)
784-S3.1E	EM 1386652	A	White texture w/ white/multi-colored paint	5		**ND**	0	100
		B	White/tan drywall	95		**ND**	15	85
784-S3.1F	EM 1386653	A	White texture w/ white multi-layered paint	20		**ND**	0	100
		B	White/tan drywall	80		**ND**	15	85
784-S3.1G	EM 1386654	A	White texture w/ white paint	10		**ND**	0	100
		B	White/tan drywall	90		**ND**	15	85
784-F1.4A	EM 1386655	A	Colorless adhesive	2		**ND**	0	100
		B	Gray sheet vinyl w/ gray fibrous backing material	98		**ND**	20	80
784-F1.4B	EM 1386656	A	Colorless adhesive	2		**ND**	0	100
		B	Gray sheet vinyl w/ gray fibrous backing material	98		**ND**	20	80

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

Anya Angst
Analyst / Data QA

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

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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 (%)
784-F1.4C	EM 1386657	A	Colorless adhesive	TR		**ND**	0	100
		B	Gray sheet vinyl w/ gray fibrous backing material	100		**ND**	20	80
784-M10.1A	EM 1386658	A	White fibrous resinous material	100		**ND**	70	30
784-M10.1B	EM 1386659	A	White fibrous resinous material	100		**ND**	70	30
784-M10.1C	EM 1386660	A	White fibrous resinous material	100		**ND**	70	30
784-S3.2A	EM 1386661	A	White texture w/ white paint	5		**ND**	0	100
		B	White tape	5		**ND**	90	10
		C	White joint compound	5		**ND**	0	100
		D	White/tan drywall	85		**ND**	15	85

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

Anya Angst
Analyst / Data QA

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

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 (%)
784-S3.2B	EM 1386662	A	White texture w/ white paint	20		**ND**	0	100
		B	White/tan drywall	80		**ND**	15	85
784-S3.2C	EM 1386663	A	White texture w/ white paint	5		**ND**	0	100
		B	White tape	5		**ND**	90	10
		C	White joint compound	5		**ND**	0	100
		D	White/tan drywall	85		**ND**	15	85
784-M5.1A	EM 1386664	A	Gray/white ceiling tile	100		**ND**	60	40
784-M5.1B	EM 1386665	A	Gray/white ceiling tile	100		**ND**	60	40
784-M5.1C	EM 1386666	A	Gray/white ceiling tile	100		**ND**	60	40

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

Anya Angst
Analyst / Data QA

RESERVOIRS ENVIRONMENTAL INC.

NVLAP Lab Code 101896-0

TABLE: PLM BULK ANALYSIS, PERCENTAGE COMPOSITION BY VOLUME

RES Job Number: **RES 317514-1**
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Turnaround: **3-5 Day**
Date Samples Analyzed: **April 22, 2015**

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**		Non Asbestos Fibrous Components (%)	Non-Fibrous Components (%)
					Mineral	**Visual Estimate (%)**		
784-M15.1A	EM 1386667	A	Gray insulation	100		**ND**	90	10
784-M15.1B	EM 1386668	A	Gray insulation	100		**ND**	90	10
784-M15.1C	EM 1386669	A	Gray insulation	100		**ND**	90	10

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

Anya Angst
Analyst / Data QA

Due Date: 4/20 22/15
Due Time: 915am

REI LAB Reservoirs Environmental, Inc.

RES 317514

SUBMITTED BY:	INVOICE TO: (IF DIFFERENT)	CONTACT INFORMATION:	
Company: Tetra Tech, Inc. (Billings)	Company:	Contact: Dan Lawrence	Contact: Roger Herman
Address: 618 S. 25th Street	Address:	Phone: 406.248.9161	Phone: 406.248.9161
Billings, MT 59101		Fax: 406.248.9282	Fax: 406.248.9282
		Cell/pager: 406.208.7781	Cell/pager: 406.670.4844
Project Number and/or P.O. #: 114-551646.100		Final Data Deliverable Email Address: daniel.lawrence@tetratech.com	
Project Description/Location: BLM Vale Bldg L1440784		breanne.reitler@tetratech.com	

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm

PLM / 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.

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

Special Instructions: __Hold Samples for 1 Year

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

LAB NOTES:

	Client sample ID number (Sample ID's must be unique)	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) _Lead RCRA 8, TCLP, Welding Fume, Metals Scan	ORGANICS - BTEX, MTBE, 8260, GRO, DRO	OTHER -	Sample Volume (L) / Area	Matrix Code	# Containers	Date Collected mm/dd/yy	Time Collected hh/mm a/p	EM Number (Laboratory Use Only)
1	784-M1.1A - Roofing Material	X							N/A	B	1	4/6/15	N/A	1586627
2	784-M1.1B - Roofing Material	X							N/A	B	1	4/6/15	N/A	1586628
3	784-M1.1C - Roofing Material	X							N/A	B	1	4/6/15	N/A	1586629
4	784-F1.1A - Brown Circle Pattern Ceramic Tile	X							N/A	B	1	4/6/15	N/A	1586630
5	784-F1.1B - Brown Circle Pattern Ceramic Tile	X							N/A	B	1	4/6/15	N/A	1586631
6	784-F1.1C - Brown Circle Pattern Ceramic Tile	X							N/A	B	1	4/6/15	N/A	1586632
7	784-M12.1A - Mastic Associated with White 4" Cove Base (Mastic Only)	X							N/A	B	1	4/6/15	N/A	1586633
8	784-M12.1B - Mastic Associated with White 4" Cove Base (Mastic Only)	X							N/A	B	1	4/6/15	N/A	1586634
9	784-M12.1C - Mastic Associated with White 4" Cove Base (Mastic Only)	X							N/A	B	1	4/6/15	N/A	1586635
10	784-M12.2A - Mastic Associated with Grey 4" Cove Base (Mastic Only)	X							N/A	B	1	4/6/15	N/A	1586636
11	784-M12.2B - Mastic Associated with Grey 4" Cove Base (Mastic Only)	X							N/A	B	1	4/6/15	N/A	1586637
12	784-M12.2C - Mastic Associated Grey 4" Cove Base (Mastic Only)	X							N/A	B	1	4/6/15	N/A	1586638
13	784-F1.2A - Brown Pebble Pattern Vinyl Sheet Flooring & Mastic	X							N/A	B	1	4/6/15	N/A	1586639

Number of samples received: 93 (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: Daniel Lawrence Date/Time: 4/13/15 1400

Sample Condition: On Ice Y/N Sealed Y/N Intact Y/N
Temp. (F°) ____

Laboratory Use Only
Received By: [illegible] Date/Time: 4/15/15 915am Carrier: fedex

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

Reservoirs Environmental, Inc.

RES Job # 31784

Page 2 of 2

Submitted by: Daniel Lawrence

	Client sample ID number (Sample ID's must be unique)	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 - BTEX, MTBE, 8260, GRO, DRO	OTHER -	Sample Volume (L) / Area	Matrix Code	# Containers	Date Collected mm/dd/yy	Time Collected hh/mm a/p	EM Number (Laboratory Use Only)
14	784-F1.2B - Brown Pebble Pattern Vinyl Sheet Flooring & Mastic	X								N/A	B	1	4/6/15	N/A	1586690-1
15	784-F1.2C - Brown Pebble Pattern Vinyl Sheet Pattern & Mastic	X								N/A	B	1	4/6/15	N/A	1586690-2
16	784-F1.3A - Tan Vinyl Sheet Flooring & Mastic	X								N/A	B	1	4/6/15	N/A	1586690-3
17	784-F1.3B - Tan Vinyl Sheet Flooring & Mastic	X								N/A	B	1	4/6/15	N/A	1586690-4
18	784-F1.3C - Tan Vinyl Sheet Flooring & Mastic	X								N/A	B	1	4/6/15	N/A	1586690-5
19	784-M12.3A - Mastic Assocaited with Brown 4" Cove Base (Mastic Only)	X								N/A	B	1	4/6/15	N/A	1586690-6
20	784-M12.3B - Mastic Associated with Brown 4" Cove Base (Mastic Only)	X								N/A	B	1	4/6/15	N/A	1586690-7
21	784-M12.3C - Mastic Associated with Brown 4" Cove Base (Mastic Only)	X								N/A	B	1	4/6/15	N/A	1586690-8
22	784-S3.1A - Orange Peel Textured Wallboard System	X								N/A	B	1	4/6/15	N/A	1586690-9
23	784-S3.1B - Orange Peel Textured Wallboard System	X								N/A	B	1	4/6/15	N/A	1586690-10
24	784-S3.1C - Orange Peel Textured Wallboard System	X								N/A	B	1	4/6/15	N/A	1586690-11
25	784-S3.1D - Orange Peel Textured Wallboard System	X								N/A	B	1	4/6/15	N/A	1586690-12
26	784-S3.1E - Orange Peel Textured Wallboard System	X								N/A	B	1	4/6/15	N/A	1586690-13
27	784-S3.1F - Orange Peel Textured Wallboard System	X								N/A	B	1	4/6/15	N/A	1586690-14
28	784-S3.1G - Orange Peel Textured Wallboard System	X								N/A	B	1	4/6/15	N/A	1586690-15
29	784-F1.4A - White Vinyl Sheet Flooring & Mastic	X								N/A	B	1	4/6/15	N/A	1586690-16
30	784-F1.4B - White Vinyl Sheet Flooring & Mastic	X								N/A	B	1	4/6/15	N/A	1586690-17
31	784-F1.4C - White Vinyl Sheet Flooring & Mastic	X								N/A	B	1	4/6/15	N/A	1586690-18
32	784-M10.1A - White Sink Undercoating	X								N/A	B	1	4/6/15	N/A	1586690-19
33	784-M10.1B - White Sink Undercoating	X								N/A	B	1	4/6/15	N/A	1586690-20
34	784-M10.1C - White Sink Undercoating	X								N/A	B	1	4/6/15	N/A	1586690-21
35	784-S3.2A - Light Orange Peel Textured Wallboard System	X								N/A	B	1	4/6/15	N/A	1586690-22
36	784-S3.2B - Light Orange Peel Textured Wallboard System	X								N/A	B	1	4/6/15	N/A	1586690-23
37	784-S3.2C - Light Orange Peel Textured Wallboard System	X								N/A	B	1	4/6/15	N/A	1586690-24
38	784-M5.1A - Fisher w/ pinhole ceileing panels	X								N/A	B	1	4/6/15	N/A	1586690-25
39	784-M5.1B - Fisher w/ pinhole ceileing panels	X								N/A	B	1	4/6/15	N/A	1586690-26
40	784-M5.1C - Fisher w/ pinhole ceileing panels	X								N/A	B	1	4/6/15	N/A	1586690-27
41	784-M15.1A - Insulation	X								N/A	B	1	4/6/15	N/A	
42	784-M15.1B - Insulation	X								N/A	B	1	4/6/15	N/A	
43	784-M15.1C - Insulation	X								N/A	B	1	4/6/15	N/A	
44															

REQUESTED ANALYSIS

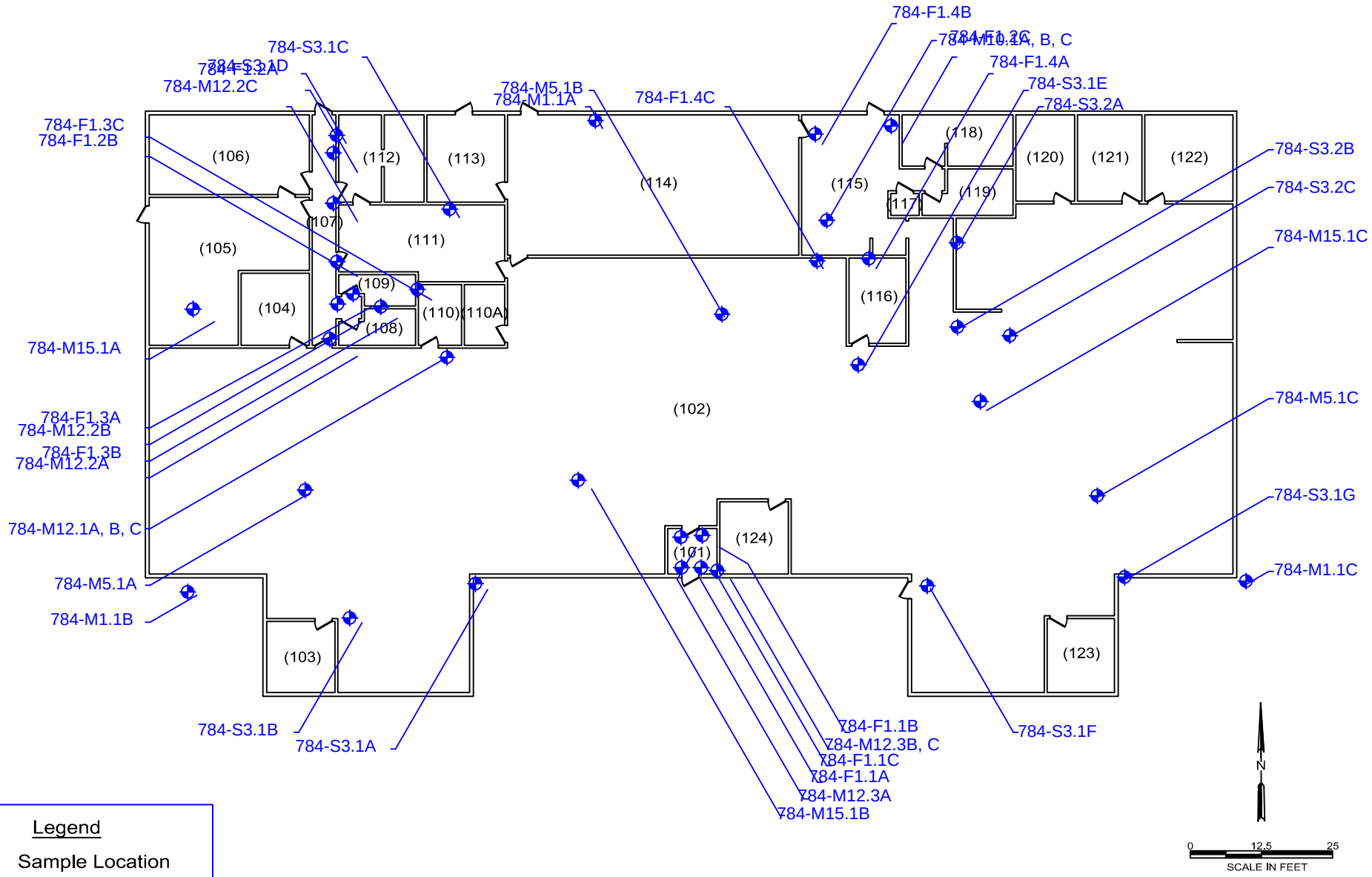
VALID MATRIX CODES

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

ASTM E1792 approved wipe media only

LAB NOTES:

APPENDIX B
SITE DRAWING

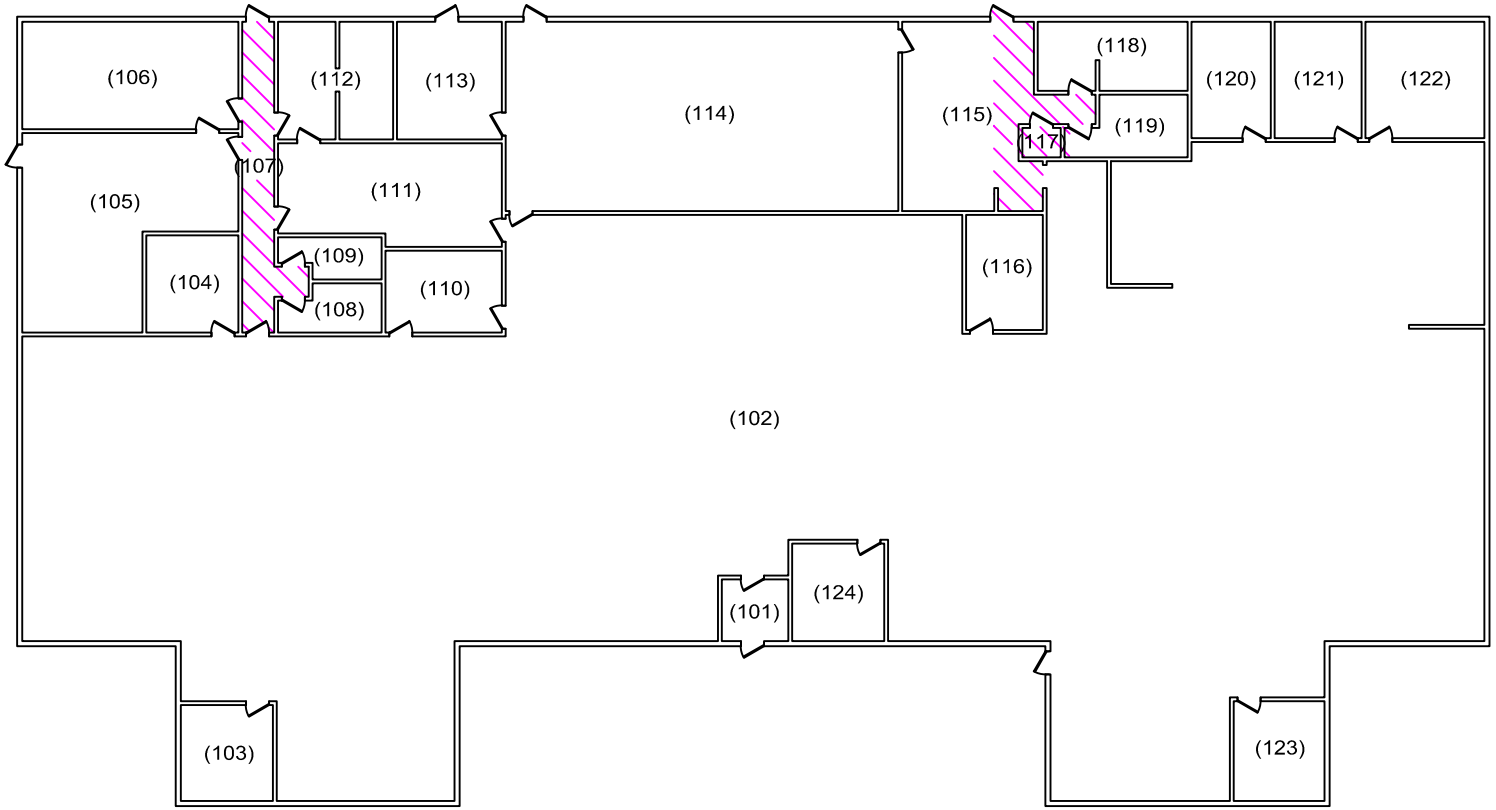


Legend

Sample Location

Asbestos Survey
Sample Collection Locations
Vale District Office - Bldg L1440784
Vale District Office
Vale, Oregon

DATE: 06/21/2015	DRAWN BY: DLL
REVIEWED: RH	APPROX. SCALE: 1" = 25'
PROJ. NO. 114-551646	FIGURE NO. 1



Legend

784-F1.2 - Brown Pebble Pattern Vinyl Sheet Flooring

N

0 12.5 25
SCALE IN FEET

Asbestos Survey
ACM Locations
Vale District Office - Bldg L1440784
Vale District Office
Vale, Oregon

DATE: 06/21/2015	DRAWN BY: DLL
REVIEWED: RH	APPROX. SCALE: 1" = 25'
PROJ. NO. 114-551646	FIGURE NO. 2

APPENDIX C
INSPECTOR AND LABORATORY ACCREDITATIONS

This course meets the requirements of AQCC Reg.#8

Environmental Training & Consulting

2761 West Oxford Avenue #7
Englewood, CO 80110
(303)781-0422

CERTIFIES THAT

DANIEL LAWRENCE

has successfully completed

the **EPA-APPROVED AHERA ASBESTOS COURSE** for INSPECTOR

and passed the required examination in that discipline

This course is EPA-approved under Section 206 of the Toxic Substance Control Act (TSCA)

Course Date	04/13 – 04/15/09
No. of hours	24
Exam date	04/15/09
Certificate No.	DO041509 - 05AI
Expires	04/15/10

Lester K Ablin

Authorized Signature

Invalid without raised seal

TETRA TECH

complex world | CLEAR SOLUTIONS™

Certificate No. 150219-16

Certificate of Training

This certifies that

Daniel Lawrence

Tetra Tech, Inc.
618 South 25th Street
Billings, Montana 59101

Has successfully completed four hours of instruction for

Inspector Refresher Training

In accordance with ARM 17.74.363 and TSCA TITLE II/40 CFR 763 (AHERA)

Course Date: February 19, 2015
Certificate Expires: February 19, 2016

Training Provided By:
Tetra Tech
618 South 25th Street
Billings, Montana 59101
406.248.9161

Course Approved By:

Montana Department of
Environmental Quality

Jared Shaw - Instructor

ACCLAIM ENVIRONMENTAL
SERVICES INC

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

CERTIFIES THAT

DANIEL LAWRENCE

Has successfully completed

The **EPA-Approved AHERA Asbestos Course** for **PROJECT DESIGNER**. 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:	03/23/15 – 03/25/15
Exam Date:	03/25/15
Certificate No.:	AE15-020-PD-I-01
Expiration Date:	03/25/16

K. Jay Gale, President

Professional Service Industries, Inc.

Asbestos Inspector

Initial Training Course

Roger W. Herman, Jr.

519-11-5906

has successfully completed the EPA-Approved Asbestos Inspector Initial Training Course for purposes of accreditation required under section 206 of Title II of the Toxic Substances Control Act (TSCA). Conducted by Professional Service Industries, 510 East 22nd Street, Lombard, IL 60148, 800-445-0682. Continuing Education Units Awarded: 2.4

The Continuing Education Unit®

Location Concord, California

Examination December 13, 1995

Course December 11 - 13, 1995

Expiration December 13, 1996

Director of Training

PROFESSIONAL SERVICE INDUSTRIES, INC.

Certificate Number 5PSI 65499 /

TETRA TECH

complex world | CLEAR SOLUTIONS™

Certificate No. 140815-04

Certificate of Training

This certifies that

Roger W. Herman, Jr.

Tetra Tech, Inc.
618 South 25th Street
Billings, Montana 59101

Has successfully completed four hours of instruction for

Inspector Refresher Training

In accordance with ARM 17.74.363 and TSCA TITLE II/40 CFR 763 (AHERA)

Course Date: August 15, 2014
Certificate Expires: August 15, 2015

COURSE APPROVED BY:

Montana Department of
Environmental Quality

TRAINING PROVIDED BY:
Tetra Tech
618 South 25th Street
Billings, Montana 59101
406.248.9161

Roger W. Herman, Jr.

Roger W. Herman, Jr. - Instructor

BLACK HILLS SPECIAL SERVICES COOPERATIVE
P. O. Box 218, Sturgis, SD 57785
(605) 347-4467

PRESENTED TO: Roger W. Herman, Jr.

For successful completion of the course

ASBESTOS MANAGEMENT PLANNER CLASS

(Sheridan, WY)

Course & Exam Date: 3/27-28/04 Score: 92% SS#: 001-00-0001 Expires: 3/28/2005

This 28th **Day of March** **A.D. 2004**

Randall Morris

Randall Morris, Director

APPROVED UNDER SECTION 206 OF THE TOXIC SUBSTANCES CONTROL ACT
AND BY
SOUTH DAKOTA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
EPA APPROVED AHERA TRAINING COURSE
APPROVAL PUBLISHED IN FEDERAL REGISTER/VOL. 53, NO. 230/NOV. 30, 1988

Certificate of Completion

This is to certify that

Roger Herman, Jr.

has satisfactorily completed
24 hours of training as a

Project Designer

to comply with the training requirements of
TSCA Title II / 40 CFR 763 (AHERA)

Certificate Number 995826

Philip Murphy
Training Administration
AHERA Certified: MO9907012

ARGUS PACIFIC
SAFETY • TRAINING • INDUSTRIAL HYGIENE

Sep 6 - 8, 2000
Date(s) of Training
Expiration Date: Sep 8, 2001

Argus Pacific, Inc. • 1900 W. Nickerson, Suite 315 • Seattle, Washington • 98119 • (206) 285.3373 • fax (206) 285.3927

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101896-0

Reservoirs Environmental, Inc.

Denver, CO

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2014-07-01 through 2015-06-30

Effective dates

DEPARTMENT OF COMMERCE ★ UNITED STATES OF AMERICA ★

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology

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NVLAP LAB CODE: 101896-0

Reservoirs Environmental, Inc.

Denver, CO

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

AIRBORNE ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2014-07-01 through 2015-06-30

Effective dates

DEPARTMENT OF COMMERCE ★ UNITED STATES OF AMERICA ★

For the National Institute of Standards and Technology

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Reservoirs Environmental, Inc.

5801 Logan Street, Suite 100, Denver, CO 80216

Laboratory ID: 101533

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

✓	**INDUSTRIAL HYGIENE**	Accreditation Expires: 02/01/2017
✓	**ENVIRONMENTAL LEAD**	Accreditation Expires: 02/01/2017
✓	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: 02/01/2017
✓	**FOOD**	Accreditation Expires: 02/01/2017
☐	**UNIQUE SCOPES**	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Gerald Schultz, CIH
Chairperson, Analytical Accreditation Board

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 14: 03/26/2014

Date Issued: 03/31/2015

APPENDIX D
ACM PHOTOGRAPHS

Site & ACM Photographs
L1440784 – Vale District Office
Vale District Office - Oregon

Photograph 1 – ACM Vinyl Sheet Flooring & Associated Mastic