

OLD TRAILS
DEMOLITION
P.O. BOX 3847
KINGMAN, AZ 86402
(928) 753-2957
FAX (928) 753-5533

ASBESTOS TESTING REPORT

FOR:

CITY OF KINGMAN
ATTENTION: JIM MCERLEAN
2242 ASHFORK
KINGMAN, AZ

REPORT DATE: MARCH 4, 2016

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OLD TRAILS DEMOLITION
P.O. BOX 3847
KINGMAN, AZ 86402
(928) 753-2957
FAX (928) 753-5533

March 4, 2016

City of Kingman
310 N. 4th Street
Kingman, AZ 86401

Dear Jim McErlean:

Upon your request, on February 13th, Old Trails performed a thorough inspection of suspect ACM's for areas where renovation or demolition is to be performed. Please see attached report for the results.

Should you have any questions on the findings or recommendations of this report, feel free to contact Rob Lackey, Certified AHERA Building Inspector at Old Trails Demolitions at (928) 753-2957.

Sincerely,



Rob Lackey

AHERA Building Inspector #10051-1411667-219568

I. Scope of Work

Old Trails was hired to perform an asbestos inspection for City of Kingman at 2242 Ashfork, Kingman, AZ. We performed inspection and bulk sampling on February 13th, 2016 per information provided by Jim McErlean.

The purpose of asbestos inspection was to ascertain the presence of asbestos or to prove materials being disturbed in project are negative for asbestos prior to renovation or demolition. If any suspect material is found that was not listed, please contact us for further testing.

II. Building Description

The property tested is a single story structure residential home built of wood structure and stucco exterior.

III. Inspection Methods

A total of twenty-nine (29) bulk samples were collected in various areas of the single story residential house. A identification number was used for each sample. A total of 29 samples were analyzed (including all layers), results are reported and can be found attached in Appendix A.

IV. Laboratory Analytical Method

The bulk samples were submitted to LA Testing, to be analyzed for asbestos content by Polarized Light Microscopy using the EPA method 600/R-93/116. LA Testing is accredited under the NIST/NVLAP program for asbestos in bulk material.

To ensure valid and reliable results and to monitor samples during collection, shipment, testing and subsequent disposal phase of potentially asbestos-containing materials, Old Trails, has established a quality assurance program for the collection and submittal of bulk samples. This program consists of:

- Creation of chain of custody form to keep track of the samples always by assigning responsibility for each phase of the data collection and analysis process to a specific person.

- Use of EPA-accredited laboratories that participate in the National Voluntary Laboratory Accreditation Program (NVLAP) sponsored by to National Institute of Standards and Technology for asbestos testing.

V. Results of Investigation

In accordance with the Environmental Protection Agency (EPA), any construction material containing more than one percent asbestos by weight is considered an Asbestos Containing Material (ACM). In addition, according to policies developed for schools, by the EPA, a homogenous material is considered to contain asbestos, when asbestos is detected in one or more samples of the subject material.

Table 1 - summarizes the homogenous areas inspected and sampled and presents the laboratory results

Table 2 - summarizes the asbestos containing material

Notes from inspector:

In conclusion, three samples came back positive for asbestos which were for the drywall in the hallway and floor tile in the North East Room.

2-3 - Drywall in Hallway Joint Compound Only. Asbestos is less than 1% and not regulated, use OSHA Guidelines.

9-1A and 9-2A - Floor Tile in North East Room Any of this flooring should be considered Category 1 ACM (Asbestos Containing Material) and removed professionally prior to renovation or demolition using OSHA Guidelines.

Sincerely,



Rob Lackey

AHERA Building Inspector

TABLE 1
ASBESTOS RESULTS
2242 ASHFORK

Area Tested	Type of Material	Sample #	Sample Locations	Quantity	Condition	PLM Results	Percent
Exterior	Roof - Felt	1 - 1	Roof	N/A	N/A	ND	0%
Exterior	Roof - Felt	1 - 2	Roof	N/A	N/A	ND	0%
Interior	Drywall	2 - 1	Center Bath	N/A	N/A	ND	0%
Interior	Drywall	2 - 2	NE Room	N/A	N/A	ND	0%
Interior	Drywall	2 - 3	Hallway	N/A	N/A	ND	<1%
Interior	Drywall	2 - 4	SW Room	N/A	N/A	ND	0%
Exterior	Cement	3 - 1	Step	N/A	N/A	ND	0%
Exterior	Cement	3 - 2	Back	N/A	N/A	ND	0%
Exterior	Stucco	4 - 1	Stucco	N/A	N/A	ND	0%
Exterior	Stucco	4 - 2	Stucco	N/A	N/A	ND	0%
Interior	Flooring	5 - 1	Hallway	N/A	N/A	ND	0%
Interior	Flooring	5 - 2	Hallway	N/A	N/A	ND	0%
Interior	Flooring	6 - 1A	Bathroom	N/A	N/A	ND	0%
Interior	Flooring	6 - 1B	Bathroom	N/A	N/A	ND	0%
Interior	Flooring	6 - 1C	Bathroom	N/A	N/A	ND	0%
Interior	Flooring	6 - 2A	Bathroom	N/A	N/A	ND	0%
Interior	Flooring	6 - 2B	Bathroom	N/A	N/A	ND	0%
Interior	Flooring	6 - 2C	Bathroom	N/A	N/A	ND	0%
Interior	Flooring	7 - 1	SW Room	N/A	N/A	ND	0%
Interior	Flooring	7 - 2	SW Room	N/A	N/A	ND	0%
Interior	Flooring	8 - 1	West of Hall	N/A	N/A	ND	0%
Interior	Flooring	8 - 2	West of Hall	N/A	N/A	ND	0%
Interior	Flooring	9 - 1A	NE Room	300 sq. ft.	N/A	ND	2%
Interior	Flooring	9 - 1B	NE Room	N/A	N/A	ND	0%
Interior	Flooring	9 - 2A	NE Room	300 sq. ft.	N/A	ND	2%
Interior	Flooring	9 - 2B	NE Room	N/A	N/A	ND	0%
Exterior	Roof	10 - 1	North Side	N/A	N/A	ND	0%
Exterior	Roof	10 - 2	South Side	N/A	N/A	ND	0%

Exterior	Roof	10 - 3	Middle	N/A	N/A	ND	0%		
ND = None Detected		CH = Chrysotile		CR = Crocidolite		A = Amosite			
N/A = Non Applicable		A/P = Assume Positive		NT = Not Tested					

TABLE 2 ASBESTOS CONTAINING MATERIAL 2242 ASHFORK						
Area Tested	Type of Material	Sample #	Material Location	Quantity	Recommendations	Classifications
Interior	Drywall	2 - 3	Hallway	N/A	Footnote 1	Category 1
Interior	Flooring	9 - 1A	NE Room	300 sq. ft.	Footnote 2,4,5	Category 1
Interior	Flooring	9 - 2A	NE Room	300 sq. ft.	Footnote 2,4,5	Category 1
Footnote 1: No action needed - under 1% chrysotile - contractor should use OSHA guidelines						
Footnote 2: Non-Friable asbestos, do not cut, sand, drill, polish or damage the material						
Operations and Maintenance Program is suggested.						
Footnote 3: Friable asbestos						
Footnote 4: Remove affected asbestos containing materials prior to demolition						
Footnote 5: Use OSHA Guidelines when removing.						
Footnote 6: Use ADEQ Guidelines.						
RACM: Regulated Asbestos Containing Material, Friable Asbestos Containing Materials or						
Category 1 Non-Friable that has become friable or will be subject of mechanical removal process.						
Category 1: Non-Friable Asbestos Containing Materials, packing, gaskets, resilient floor covering						
and asphalt roofing products containing more than 1% asbestos.						
Category 2: Non-Friable Asbestos Containing Material other than Category 1 Non-Friable						
materials that when dry cannot be crumbled, pulverized or reduced to powder by hand pressure.						
***Contractor shall verify all quantities.						
***Contractor shall follow all OSHA regulations with samples less <1%						
***All black mastic should be treated as positive						

APPENDIX A
LABORATORY ANALYTICAL REPORT
&
CHAIN OF CUSTODY



LA Testing

82 West Sierra Madre Boulevard Sierra Madre, CA 91
 Tel/Fax: (626) 355-4711 / (626) 355-4497
<http://www.LATesting.com> / sierramadrelab@lateesting.co

LA Testing Order: 451600605
 Customer ID: OTRL42
 Customer PO:
 Project ID:

Attention: Rob Lackey
 Old Trails
 301 S. 4th Street
 Kingman, AZ 86401

Phone: (928) 753-2957
 Fax:
 Received Date: 02/18/2016 11:40 AM
 Analysis Date: 02/23/2016
 Collected Date: 02/13/2016

Project: 2242 Ashfork

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1-1 <i>451600605-0001</i>	Felt backing - Roof	Brown Non-Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
1-2 <i>451600605-0002</i>	Felt backing - Roof	Brown Non-Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
2-1 <i>451600605-0003</i> <i>It appears to be plaster</i>	Drywall - Center Bathroom	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2-2 <i>451600605-0004</i>	Drywall - NE Room	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
2-3 <i>451600605-0005</i> <i>Asbestos concentration reflect Joint Compound only</i>	Drywall - Hallway	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
2-4 <i>451600605-0006</i>	Drywall - SW Room	Tan Non-Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
3-1 <i>451600605-0007</i>	Cement - Step	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3-2 <i>451600605-0008</i>	Cement - Back	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-1 <i>451600605-0009</i>	Stucco - N/A	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-2 <i>451600605-0010</i>	Stucco - N/A	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
5-1 <i>451600605-0011</i>	Flooring - Hallway	Brown Non-Fibrous Homogeneous	30% Cellulose 20% Glass	50% Non-fibrous (Other)	None Detected
5-2 <i>451600605-0012</i>	Flooring - Hallway	Brown Non-Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
6-1-Flooring 1 <i>451600605-0013</i>	Flooring - Bathroom	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
6-1-Flooring 2 <i>451600605-0013A</i>	Flooring - Bathroom	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
6-1-Flooring 3 <i>451600605-0013B</i>	Flooring - Bathroom	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
6-2-Flooring 1 <i>451600605-0014</i>	Flooring - Bathroom	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial Report From: 02/23/2016 13:13:48



LA Testing

82 West Sierra Madre Boulevard Sierra Madre, CA 91
 Tel/Fax: (626) 355-4711 / (626) 355-4497
 http://www.LATesting.com / sierramadrelab@latesting.co

LA Testing Order: 451600605

Customer ID: OTRL42

Customer PO:

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
2-Flooring 2 1600605-0014A	Flooring - Bathroom	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2-Flooring 3 1600605-0014B	Flooring - Bathroom	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1 1600605-0015	Flooring - SW Room	Brown/Tan Non-Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
2 1600605-0016	Flooring - SW Room	Brown/Tan Non-Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
1 1600605-0017	Flooring - West of Hall	Brown/Beige Non-Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
2 1600605-0018	Flooring - West of Hall	Brown/Beige Non-Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
1-Floor Tile 1600605-0019	Flooring - NE Room	Beige Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
1-Mastic 1600605-0019A	Flooring - NE Room	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2-Floor Tile 1600605-0020	Flooring - NE Room	Gray/Beige Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
2-Mastic 1600605-0020A	Flooring - NE Room	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
-1 600605-0021	Roof - North Side	Black Non-Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
-2 600605-0022	Roof - South Side	Black Non-Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
-3 600605-0023	Roof - Middle	Black Non-Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected

Analyst(s)

Nahid Motamedi (29)

Arturo Casas Laboratory Manager
 or Other Approved Signatory

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

Samples analyzed by LA Testing Sierra Madre, CA NVLAP Lab Code 102116-0, CA ELAP 1269

Initial Report From: 02/23/2016 13:13:48

Printed: 2/23/2016 10:13 AM



Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

451600605

LATESHIRE
520 MISSION STREET
SOUTH PASADENA, CA 91030
PHONE: (800)-303-0047
FAX: (323)-254-9962

Company: <u>Old Trails mobile Home</u>		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different <small>If Bill to is Different note instructions in Comments**</small>	
Street: <u>P.O. Box 3847</u>		<small>Third Party Billing requires written authorization from third party</small>	
City: <u>Kingman</u>	State/Province: <u>AZ</u>	Zip/Postal Code: <u>86402</u>	Country: <u>USA</u>
Report To (Name): <u>Rob or Julie Lackey</u>		Telephone #: <u>(928) 753 2957</u>	
Email Address: <u>oldtrails@npgc.state.arizona.gov</u>		Fax #: <u>(928) 753-5533</u>	Purchase Order:
Project Name/Number: <u>2242 Ash Fork</u>		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken: <u>23</u>		Connecticut Samples: <input type="checkbox"/> Commercial <input type="checkbox"/> Residential	

Turnaround Time (TAT) Options* - Please Check

3 Hour
 6 Hour
 24 Hour
 48 Hour
 72 Hour
 96 Hour
 1 Week
 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. There is a premium charge for 3 hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PCM - Air <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> TEM Qual. via Filtration Technique <input type="checkbox"/> TEM Qual. via Drop-Mount Technique Other: <input type="checkbox"/>
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Check For Positive Stop - Clearly Identify Homogenous Group Filter Pore Size (Air Samples): 0.8µm 0.45µm

Samplers Name: _____ Samplers Signature: _____

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1-1	Roof - Felt Backing		2/13/16 - 12:00 pm
1-2	Roof - Felt Backing		2/13/16 - 12:00 pm
2-1	Drywall - Center - Bathroom		2/13/16 - 12:00 pm
2-2	Drywall - NE Room		2/13/16 - 12:00 pm
2-3	Drywall - Hallway		2/13/16 - 12:00 pm
2-4	Drywall - SW Room		2/13/16 - 12:00 pm
3-1	Cement - Step		2/13/16 - 12:00 pm
3-2	Cement - Back		2/13/16 - 12:00 pm

Client Sample # (s): _____ Total # of Samples: 23

Relinquished (Client): Rob Lackey Date: 2/16/16 Time: 8:30 am

Received (Lab): Dot (USPS) Date: 2.18.16 Time: 11:40 AM

Comments/Special Instructions: _____

APPENDIX B
LICENSING

1005-1-1411667-219568

THE ASBESTOS INSTITUTE

Certifies that **ROB LACKEY**

has attended the EPA approved course

Building Inspector Refresher

and successfully passed and completed
the competency exam.

This training meets all requirements for asbestos
accreditation under TSCA Title II.

Issue Date : 08-Jan 2016

Expiration Date : 08-Jan 2017




Approved Instructor

20033 N. 19th Avenue, Building 6, Phoenix, AZ 85027
602-864-6564 - www.theasbestosinstitute.com