



**LIMITED IN SCOPE/DIRECTED BY CLIENT
ASBESTOS SURVEY**

April 14, 2019

SITE LOCATION

RESIDENCE
750 NE PERSHING
MT. ANGEL, Oregon 97362

PREPARED FOR

MARION COUNTY
555 COURT ST NE
SALEM, Oregon 97301

PREPARED BY

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PROJECT NUMBER

1190397

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Environmental Testing & Training NorthWest Asbestos Survey Report

SUMMARY

On April 8th, 2019 Josh Samter of Environmental Testing & Training NorthWest (ETTNW) conducted an inspection for suspect asbestos containing building materials (ACM) on the property located at 750 Pershing St, Mt. Angel, OR. Customer specified this was an inspection prior to Demolition of the residence. The building was inspected and samples of suspect asbestos containing building materials were taken. The samples were analyzed for asbestos content using polarized light microscopy. Please see included Asbestos Bulk Sample Report for a list of sampled building materials.

750 NE Pershing St, Mt. Angel, OR was unoccupied at the time of the survey and access to all customer specified areas was given.

INTRODUCTION

Purpose

This survey was requested by LeAnne M. Aurand of Marion County to uncover potential sources of asbestos containing materials (ACM). The survey was requested pertaining to the demolition of the structure and disturbance of potential asbestos containing building materials during these processes.

Special Terms & Conditions

No prior inspection by ETTNW has been performed on the property and all owner specified investigations are to be conducted at the time of the initial survey. A minimum number of samples were taken to ensure full accounting of potential ACM, while keeping sampling and analysis costs at an acceptable level to owner.

SITE DESCRIPTION

Description

Description: Single Family Residence/ 2 Story/4 bed/2 Bath/ Approx. 1812 Sq.

Property Owner: Marion County 503-373-4364

Tenant: Vacant

Year Built: 1912

Area Surveyed/SQ.FT: Full Demo Surveyed/ 1812 sq./ft. plus outbuildings

Current Use: Unoccupied

ENVIRONMENTAL RECORDS REVIEW

No regulatory records were reviewed for this survey and no prior asbestos survey or environmental site assessment records were requested for review of the property.

SAMPLING METHODOLOGY

Asbestos Sampling Plan Protocol

This survey was performed using a sampling protocols adopted from the Asbestos Hazard Emergency Response Act (AHERA) and modified to meet customer's specific areas of concern. A full AHERA inspection was not requested.

1. Areas in the structure were grouped into homogeneous areas based on use or sameness of building materials used in that area; e.g. roofing same texture and aggregate, etc.
2. Each specified area was sampled for those materials which was suspect as ACM.
3. When sampling, all samples were collected to the maximum extent possible (taken to substrate) to ensure all components were present in sample which might include asbestos.
4. Samples were numbered using sequential numbering system to ensure quality control and replication of results for further surveys if needed during demolition of structure.

5. DISCUSSION & RECOMMENDATIONS

Asbestos-containing material must be removed by a licensed asbestos abatement contractor prior to any renovation, demolition or repair work that will impact those material.

Any material encountered that are not specifically mentioned in this report should be considered asbestos containing until sufficient sampling has been completed to determine that these materials are non-asbestos containing.

The Occupational Safety and Health Administration (OSHA) classify the removal or disturbance of asbestos containing material as a Class I and Class II asbestos abatement projects. The removal of asbestos containing material requires the use of appropriate engineering controls, by a contractor licensed by the State of Oregon. The work methods utilized must include the use of wet methods, negative pressure enclosure, and decontamination facility.

OSHA regulations (29 CFR 1926.1001) states that if asbestos containing material, containing <1% asbestos is to be removed by construction personnel; the employer shall provide awareness training, a written respirator protection program, respirators and a negative exposure assessment.

Additionally, OSHA regulations (29 CFR 1926.1101) require employers to meet standards regarding personal protection, labeling, signs, daily air monitoring, use of engineering controls, notification, and respiratory protection for all activities related to the removal or disturbance of asbestos containing building material.

**EPA recommends that bulk material found negative for asbestos or less than one percent asbestos by polarized light microscopy be reanalyzed by and additional method such as transmission electron microscopy.

Asbestos Laboratory Analysis

All samples collected were analyzed in our laboratory using stereo light microscopy to prepare samples along with polarized light microscopy to petrologically analyze samples. The samples were analyzed with dispersion staining methods in accordance with EPA method 600/R-93/116 as specified in 40CFR Chapter I (7-1-93 edition) Part 763, Subpart F, Appendix A, pages 499-504. Polarizing light microscopy can quantify asbestos concentrations between 1 and 100% detection levels. All levels below 1% can only be stated as "trace". All asbestos concentrations in samples are determined by visual estimation. For each sample, 3 separate slides were prepared to ensure accuracy and prior to analysis; blind quality control samples were selected and analyzed to ensure accuracy in sample analysis.

TEM Asbestos Laboratory Analysis – Transmission Electron Microscope

Some circumstances may require a TEM air analysis for ACM prior or during scheduled work or post abatement. Asbestos fiber analysis by TEM will be performed according to rules set forth in EPA 40 CFR Part 763 Appendix A to Subpart E. Samples will be collected in a random pattern in the area to be monitored. Samples to be analyzed for TEM will be sent to an accredited lab for analysis.

REGULATORY COMPLIANCE

The intent of the asbestos survey is to comply with federal and state laws pertaining to the release of asbestos from structure renovations or demolitions.

State of Oregon-OAR [340-248-0270](#)

Federal-[TSCA Subchapter II: Asbestos Hazard Emergency Response \(15 U.S.C. § 2641-2656\)](#)

LIMITATIONS

Asbestos surveys are non-comprehensive by nature and subject to many limitations including those presented below. While areas specified by customer were sampled, areas behind walls and covered by structural members or materials requiring destructive means to access which could not be found with reasonable diligence were not sampled during the initial survey. In addition, any areas not specified by customer to be sampled cannot be assumed to be free of asbestos as no survey to determine asbestos content was performed in these areas.

ETTNW performed this survey in accordance with the generally accepted standards of care that exist in the environmental industry in the state of Oregon at the time of the survey. This survey report is not intended for use as an asbestos abatement plan, specifications of work scope, or management of risks associated with asbestos. No part of this survey is intended to be used as renovation, addition or demolition plans and specifications.

Laboratory report attached.

APPENDIX A: BULK SAMPLE RESULTS

Asbestos-Containing Materials and Estimated Quantities

| Material Category | Material | Space Name | Section Name | Friability | Result | Quantity | Material Color | Material Texture | Current Condition |
|--------------------|--|---------------------------------------|--------------|-----------------------|---------------------------------------|-------------|----------------|------------------|-------------------|
| Miscellaneous | White Floor, Sheet Vinyl Paper Backing | Entryway | 1ST FLOOR | Category I Nonfriable | Greater Than 1% Asbestos by Lab (ACM) | N/A | White | N/A | Damaged |
| Miscellaneous | 9x9 Green Floor Tile | Entryway / Bottom Layer | 1ST FLOOR | Category I Nonfriable | Greater Than 1% Asbestos by Lab (ACM) | N/A | Green | N/A | Damaged |
| Miscellaneous | Black Floor Tile Mastic | Entryway / Bottom Layer | 1ST FLOOR | Category I Nonfriable | Greater Than 1% Asbestos by Lab (ACM) | N/A | Black | N/A | Damaged |
| Miscellaneous | Gray Cement Siding | Exterior Siding Main Residence | 1ST FLOOR | Category I Nonfriable | Greater Than 1% Asbestos by Lab (ACM) | Throughout | Gray | N/A | Damaged |
| Miscellaneous | 9x9 Beige Floor Tile | Living Room / Small section same room | 1ST FLOOR | Category I Nonfriable | Greater Than 1% Asbestos by Lab (ACM) | N/A | Beige | N/A | Damaged |
| Miscellaneous | Black Floor Tile Mastic | Living Room / Small section same room | 1ST FLOOR | Category I Nonfriable | Greater Than 1% Asbestos by Lab (ACM) | N/A | Black | N/A | Damaged |
| Surfacing Material | Gray Asbestos Composit Wallboard | Living Room / Top Layer of 2 | 1ST FLOOR | Category I Nonfriable | Greater Than 1% Asbestos by Lab (ACM) | Throughout | Gray | N/A | Damaged |
| Miscellaneous | 9x9 Green Floor Tile | Living Room Floor | 1ST FLOOR | Category I Nonfriable | Greater Than 1% Asbestos by Lab (ACM) | 200 sq. ft. | Green | N/A | Damaged |
| Miscellaneous | Black Floor Tile Mastic | Living Room Floor | 1ST FLOOR | Category I Nonfriable | Greater Than 1% Asbestos by Lab (ACM) | N/A | Black | N/A | Damaged |

| Material Category | Material | Space Name | Section Name | Friability | Result | Quantity | Material Color | Material Texture | Current Condition |
|-------------------|-------------------------|-------------------------------------|--------------|-----------------------|---------------------------------------|----------|----------------|------------------|-------------------|
| Miscellaneous | Black Floor Tile Mastic | Master Bedroom / Floor under carpet | 1ST FLOOR | Category I Nonfriable | Greater Than 1% Asbestos by Lab (ACM) | N/A | Black | N/A | Good (No Damage) |
| Miscellaneous | 9x9 Green Floor Tile | Master Bedroom /Floor under carpet | 1ST FLOOR | Category I Nonfriable | Greater Than 1% Asbestos by Lab (ACM) | N/A | Green | N/A | Good (No Damage) |

Bulk Sample Results

| Sample ID | Material | Floor | Location | Friability | Analytical Result | Regulatory Category | Current Condition |
|-----------|--|-----------|---------------------------------|-----------------------|-----------------------------------|---|-------------------|
| 01A | White Floor, Sheet Vinyl Paper Backing | 1ST FLOOR | Entryway | Category I Nonfriable | 20% Chrysotile (Serpentine group) | Greater Than 1% Asbestos by Lab (ACM) | Damaged |
| 01B | Yellow Floor Tile Mastic | 1ST FLOOR | Entryway | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Good (No Damage) |
| 01C | 9x9 Green Floor Tile | 1ST FLOOR | Entryway / Bottom Layer | Category I Nonfriable | 3% Chrysotile (Serpentine group) | Greater Than 1% Asbestos by Lab (ACM) | Damaged |
| 01D | Black Floor Tile Mastic | 1ST FLOOR | Entryway / Bottom Layer | Category I Nonfriable | 5% Chrysotile (Serpentine group) | Greater Than 1% Asbestos by Lab (ACM) | Damaged |
| 02A | Gray Asbestos Composit Wallboard | 1ST FLOOR | Living Room / Top Layer of 2 | Category I Nonfriable | 65% Chrysotile (Serpentine group) | Greater Than 1% Asbestos by Lab (ACM) | Damaged |
| 02B | Gray Hard Plaster, Walls and Ceilings | 1ST FLOOR | Living Room / Botton Layer of 2 | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |
| 03A | 9x9 Green Floor Tile | 1ST FLOOR | Living Room Floor | Category I Nonfriable | 3% Chrysotile (Serpentine group) | Greater Than 1% Asbestos by Lab (ACM) | Damaged |

| Sample ID | Material | Floor | Location | Friability | Analytical Result | Regulatory Category | Current Condition |
|-----------|---|-----------|---------------------------------------|-----------------------|----------------------------------|---|-------------------|
| 03B | Black Floor Tile Mastic | 1ST FLOOR | Living Room Floor | Category I Nonfriable | 5% Chrysotile (Serpentine group) | Greater Than 1% Asbestos by Lab (ACM) | Damaged |
| 04A | 9x9 Beige Floor Tile | 1ST FLOOR | Living Room / Small section same room | Category I Nonfriable | 3% Chrysotile (Serpentine group) | Greater Than 1% Asbestos by Lab (ACM) | Damaged |
| 04B | Black Floor Tile Mastic | 1ST FLOOR | Living Room / Small section same room | Category I Nonfriable | 5% Chrysotile (Serpentine group) | Greater Than 1% Asbestos by Lab (ACM) | Damaged |
| 05A | 9x9 Green Floor Tile | 1ST FLOOR | Master Bedroom /Floor under carpet | Category I Nonfriable | 3% | Greater Than 1% Asbestos by Lab (ACM) | Good (No Damage) |
| 05B | Black Floor Tile Mastic | 1ST FLOOR | Master Bedroom / Floor under carpet | Category I Nonfriable | 5% | Greater Than 1% Asbestos by Lab (ACM) | Good (No Damage) |
| 06A | Gray Hard Plaster, Walls and Ceilings | 1ST FLOOR | Master Bedroom | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Good (No Damage) |
| 07A | Beige Gypsum Wallboard System (Wallboard, Joint Tape, and Joint Compound) | 1ST FLOOR | Master Bathroom | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |
| 08A | White Floor, Sheet Vinyl Paper Backing | 1ST FLOOR | Kitchen /Floor | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |
| 08B | Brown Floor Tile Mastic | 1ST FLOOR | Kitchen /Floor | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |
| 09A | Gray Hard Plaster, Walls | 1ST FLOOR | Kitchen | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |

| Sample ID | Material | Floor | Location | Friability | Analytical Result | Regulatory Category | Current Condition |
|-----------|---|-----------|----------------|-----------------------|-------------------|---|-----------------------|
| 10A | Gray Hard Plaster, Ceilings | 1ST FLOOR | Kitchen | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Significantly Damaged |
| 11A | Green Floor, Sheet Vinyl Paper Backing | 1ST FLOOR | Pantry / Floor | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |
| 11B | Brown Floor Tile Mastic | 1ST FLOOR | Pantry / Floor | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |
| 12A | Gray Hard Plaster, Walls and Ceilings | 1ST FLOOR | Hallway | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |
| 13A | 12X12 Brown Floor Tile | 1ST FLOOR | Hallway | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |
| 13B | Yellow Floor Tile Mastic | 1ST FLOOR | Hallway | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |
| 14A | White Gypsum Wallboard System (Wallboard, Joint Tape, and Joint Compound) | 1ST FLOOR | Bathroom | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |
| 15A | White Floor Tile / Self adhesive / Top Layer of 2 | 1ST FLOOR | Bathroom | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |
| 15B | White Bottom Layer Floor, Sheet Vinyl Paper Backing / Bottom layer of 2 | 1ST FLOOR | Bathroom | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |

| Sample ID | Material | Floor | Location | Friability | Analytical Result | Regulatory Category | Current Condition |
|-----------|--|-----------|--------------------------------|-----------------------|-----------------------------------|---|-------------------|
| 15C | Yellow Floor Tile Mastic | 1ST FLOOR | Bathroom | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |
| 16A | White Ceiling Tile | 1ST FLOOR | Back Porch | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |
| 17A | White Floor, Sheet Vinyl Paper Backing | 1ST FLOOR | Back Porch | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |
| 17B | Brown Floor Tile Mastic | 1ST FLOOR | Back Porch | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |
| 18A | Gray Hard Plaster, Walls and Ceilings | 2ND FLOOR | Stairwell / Landing | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |
| 19A | Gray Hard Plaster, Walls and Ceilings | 2ND FLOOR | North Bedroom | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |
| 20A | Gray Hard Plaster, Walls and Ceilings | 2ND FLOOR | Southeast / Bedroom | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |
| 21A | Gray Hard Plaster, Walls and Ceilings | 2ND FLOOR | Southwest /Bedroom | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Damaged |
| 22A | Pink Insulation, Batting | 2ND FLOOR | Attic | Friable (RACM) | 0% | Tested Negative by Lab (No Asbestos Detected) | Good (No Damage) |
| 23A | Gray Cement Siding | 1ST FLOOR | Exterior Siding Main Residence | Category I Nonfriable | 30% Chrysotile (Serpentine group) | Greater Than 1% Asbestos by Lab (ACM) | Damaged |

| Sample ID | Material | Floor | Location | Friability | Analytical Result | Regulatory Category | Current Condition |
|-----------|----------------------------------|-----------|---|-----------------------|-------------------|---|-------------------|
| 24A | White Floor Tile | 1ST FLOOR | Outbuilding / Back yard | Unclassified | 0% | Tested Negative by Lab (No Asbestos Detected) | N/A |
| 25A | Black Roofing, Composite Shingle | 2ND FLOOR | Roof / Main / Back Yard Outbuilding | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Good (No Damage) |
| 25B | Black Roofing Paper/Felt | 1ST FLOOR | Roof / Main Residence and Back yard outbuilding | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Good (No Damage) |
| 26A | Black Roofing, Composite Shingle | 1ST FLOOR | Garage / Detached | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Good (No Damage) |
| 26B | Black Roofing Paper/Felt | 1ST FLOOR | Garage / Detached | Category I Nonfriable | 0% | Tested Negative by Lab (No Asbestos Detected) | Good (No Damage) |

APPENDIX B: SAMPLE LOCATION MAPS

There are no pinned samples for this inspection

APPENDIX C: ASBESTOS-CONTAINING MATERIAL IMAGES

No images found for samples that have tested positive containing at least 1% asbestos

APPENDIX D: LABORATORY RESULTS & CHAIN-OF-CUSTODY FORMS

Environmental Testing & Training NorthWest - Bulk Sample Report

2266 McGilchrist Street SE Suite#220 Salem, OR 97302 Date: 4.13.19
 971.570.0069 josh@ettnw.com Date received: 4.8.13
 PO# Sampling agent: ETTNW/ GARY PARKER
 Client: MARION COUNTY Project Name: RESIDENCE
 Address: 555 COURT ST NE #4247 Address: 750 PERSHING ST
 City, State: SALEM, OR 97301 City, State: MT. ANGEL, OR 97362

Samples received: 26 Samples processed: 41
 Turnaround: Non - Rush 2 - 5 Day

| Sample No# | Location/Description | Non-Fibrous % | Fibrous % | Analysis |
|--------------|---|---------------|------------------|---|
| 119-0397.01A | WHITE FLOOR /SHEET VINYL PAPER BACKING ENTRY WAY | 60% | 20% CELLULOSE | ASBESTOS FIBER DETECTED CHRYSTOTILE-20% |
| 119-0397.01B | YELLOW FLOOR TILE MASTIC FROM 119-0397.01A | 97% | 3% CELLULOSE | NO ASBESTOS FIBER DETECTED |
| 119-0397.01C | 9X9 GREEN FLOOR TILE ENTRY WAY BOTTOM LAYER | 95% | 2% CELLULOSE | ASBESTOS FIBER DETECTED CHRYSTOTILE-3% |
| 119-0397.01D | BLACK FLOOR TILE MASTIC UNDER 119-0397.01C | 90% | 5% CELLULOSE | ASBESTOS FIBER DETECTED CHRYSTOTILE-5% |
| 119-0397.02A | GRAY ASBESTOS COMPOSITE WALLBOARD LIVING ROOM TOP LAYER OF 2 | 25% | 10% CELLULOSE | ASBESTOS FIBER DETECTED CHRYSTOTILE-35% |
| 119-0397.02B | GRAY HARD PLASTER , WALL CEILINGS/LIVING ROOM BOTTOM LAYER OF 2 | 75% | 25% CELLULOSE | NO ASBESTOS FIBER DETECTED ANIMAL HAIR |
| 119-0397.03A | 9X9 GREEN FLOOR TILE LIVING ROOM | 95% | 2% CELLULOSE | ASBESTOS FIBER DETECTED CHRYSTOTILE-3% |
| 119-0397.03B | BLACK FLOOR TILE MASTIC UNDER 119-0397.03A | 90% | 5% CELLULOSE | ASBESTOS FIBER DETECTED CHRYSTOTILE-5% |

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

Analyzed By:  Joshua Samter Date: 4.13.19

This report applies only to the sample(s) tested by ETTNW. All samples were received in acceptable condition unless otherwise noted. Those samples determined to contain asbestos fibers will have the following measurement % ranges (1% = 0-3%, 5% = 1-9%, 10% = 5-15%, 20% = 10-30%, 50% = 40-60%)
 Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities.

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 Turnaround: Non - Rush 2 - 5 Day

| Sample No# | Location/Description | Non-Fibrous % | Fibrous % | Analysis |
|--------------|--|---------------|----------------------------------|--|
| 119-0397.04A | 9X9 BEIGE FLOOR TILE / LIVING ROOM | 93% | 2% CELLULOSE | ASBESTOS FIBER DETECTED CHRYSTOTILE-3% |
| 119-0397.04B | BLACK MASTIC UNDER 119-0397.04A | 90% | 5% CELLULOSE | ASBESTOS FIBER DETECTED CHRYSTOTILE-5% |
| 119-0397.05A | 9X9 GREEN FLOOR TILE MASTER BEDROOM | 95% | 2% CELLULOSE | ASBESTOS FIBER DETECTED CHYRSOTILE-3% |
| 119-0397.05B | BLACK MASTIC UNDER 119-0397.05A | 90% | 5% CELLULOSE | ASBESTOS FIBER DETECTED CHRYSTOTILE-5% |
| 119-0397.06A | GRAY HARD PLASTER WALL CEILINGS MASTER BEDROOM | 75% | 25% CELLULOSE ANIMAL HAIR | NO ASBESTOS FIBER DETECTED |
| 119-0397.07A | BEIGE GYSPUM WALLBOARD JOINT COMPOUND TAPE MASTER BATHROOM | 80% | 20% CELLULOSE MINERAL WOOL | NO ASBESTOS FIBER DETECTED |
| 119-0397.08A | WHITE FLOOR SHEET VINYL PAPER BACKINGG | 75% | 25% CELLULOSE POLYESTER | NO ASBESTOS FIBER DETECTED |
| 119-0397.08B | BROWN FLOOR TILE MASTIC UNDER 119-0397.08A | 95% | 5% CELLULOSE | NO ASBESTOS FIBER DETECTED |

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

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 Turnaround: Non - Rush 2 - 5 Day

| Sample No# | Location/Description | Non-Fibrous % | Fibrous % | Analysis |
|--------------|--|---------------|-----------|---|
| 119-0397.09A | GRAY HARD PLASTER WALLS KITCHEN | 75% | 25% | NO ASBESTOS FIBER CELLULOSE DETECTED ANIMAL HAIR |
| 119-0397.10A | GRAY HARD PLASTER CEILINGS KITCHEN | 75% | 25% | NO ASBESTOS FIBER CELLULOSE DETECTED ANIMAL HAIR |
| 119-0397.11A | GREEN FLOOR SHEET VINYL PAPER BACKING PANTRY | 75% | 25% | NO ASBESTOS FIBER CELLULOSE DETECTED POLYESTER |
| 119-0397.11B | BROWN FLOOR TILE MASTIC UNDER 119-0397.11A | 95% | 5% | NO ASBESTOS FIBER CELLULOSE DETECTED |
| 119-0397.12A | GRAY HARD PLASTER WALL CEILINGS HALLWAY | 75% | 25% | NO ASBESTOS FIBER CELLULOSE DETECTED ANIMAL HAIR |
| 119-0397.13A | 12X12 BROWN FLOOR TILE FROM HALLWAY | 98% | 2% | NO ASBESTOS FIBER CELLULOSE DETECTED |
| 119-0397.13B | YELLOW FLOOR TILE MASTIC UNDER 119-0397.13A | 97% | 3% | NO ASBESTOS FIBER CELLULOSE DETECTED |
| 119-0397.14A | WHITE GYPSUM WALLBOARD JOINT TAPE /JOINT COMPOUND BATHROOM | 80% | 20% | NO ASBESTOS FIBER CELLULOSE DETECTED MINERAL WOOL |

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

Analyzed By:  Joshua Samter Date: 4.13.19

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| Sample No# | Location/Description | Non-Fibrous % | Fibrous % | Analysis |
|--------------|--|---------------|----------------------------------|-------------------------------|
| 119-0397.15A | WHITE FLOOR TILE /SELF ADHESIVE TOP LAYER OF 2 BATHROOM | 99% | TRACE CELLULOSE | NO ASBESTOS FIBER DETECTED |
| 119-0397.15B | WHITE BOTTOM LAYER SHEET VINYL W/ PAPER BACKING BATHROOM | 75% | 25% CELLULOSE MINERAL WOOL | NO ASBESTOS FIBER DETECTED |
| 119-0397.15C | YELLOW FLOOR TILE UNDER 119-0397.15B | 97% | 3% CELLULOSE | NO ASBESTOS FIBER DETECTED |
| 119-0397.16A | WHITE CEILING TILE BACK PORCH | 15% | 85% CELLULOSE MINERAL WOOL | NO ASBESTOS FIBER DETECTED |
| 119-0397.17A | WHITE FLOOR SHEET VINYL PAPER BACKING BACK PORCH | 25% | 75% CELLULOSE POLYESTER | NO ASBESTOS FIBER DETECTED |
| 119-0397.17B | BROWN MASTIC UNDER 119-0397.17A | 95% | 5% CELLULOSE | NO ASBESTOS FIBER DETECTED |
| 119-0397.18A | GRAY HARD PLASTER WALL CEILINGS STAIRWELL LANDING | 75% | 25% CELLULOSE ANIMAL HAIR | NO ASBESTOS FIBER DETECTED |
| 119-0397.19A | GRAY HARD PLASTER WALL CEILINGS NORTH BEDROOM | 75% | 25% CELLULOSE ANIMAL HAIR | NO ASBESTOS FIBER DETECTED |

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

Analyzed By: Joshua Samter Date: 4.13.19

This report applies only to the sample(s) tested by ETTNW. All samples were received in acceptable condition unless otherwise noted. Those samples determined to contain asbestos fibers will have the following measurement % ranges (1% = 0-3%, 5% = 1-9%, 10% = 5-15%, 20% = 10-30%, 50% = 40-60%)
 Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities.

Environmental Testing & Training NorthWest - Bulk Sample Report

2266 McGilchrist Street SE Suite#220 Salem, OR 97302 Date: 4.13.19
 971.570.0069 josh@etnw.com Date received: 4.8.13
 PO# Sampling agent: ETTNW/ GARY PARKER
 Client: MARION COUNTY Project Name: RESIDENCE
 Address: 555 COURT ST NE #4247 Address: 750 PERSHING ST
 City, State: SALEM, OR 97301 City, State: MT. ANGEL, OR 97362

Samples received: 26 Samples processed: 41
 Turnaround: Non - Rush 2 - 5 Day

| Sample No# | Location/Description | Non-Fibrous % | Fibrous % | Analysis |
|--------------|---|---------------|-----------|---|
| 119-0397.20A | GRAY HARD PLASTER WALL CEILING FROM SOUTHEAST BEDROOM | 75% | 25% | NO ASBESTOS FIBER CELLULOSE DETECTED ANIMAL HAIR |
| 119-0397.21A | GRAY HARD PLASTER WALL CEILING FROM SOUTHWEST BEDROOM | 75% | 25% | NO ASBESTOS FIBER CELLULOSE DETECTED ANIMAL HAIR |
| 119-0397.22A | PINK INSULATION BATTING ATTIC | TRACE | 99% | NO ASBESTOS FIBER CELLULOSE DETECTED MINERAL WOOL |
| 119-0397.23A | GRAY CEMENT SIDING EXTERIOR MAIN RESIDENCE | 60% | 10% | ASBESTOS FIBER CELLULOSE DETECTED CHRYSOTILE-30% |
| 119-0397.24A | WHITE FLOOR TILE OUTBUILDING BACK YARD | 98% | 2% | NO ASBESTOS FIBER CELLULOSE DETECTED |
| 119-0397.25A | BLACK ROOFING COMP SHINGLE MAIN/ BACKYARD OUTBUILDING | 60% | 40% | NO ASBESTOS FIBER CELLULOSE DETECTED MINERAL WOOL |
| 119-397.25B | BLACK ROOFING FELT PAPER UNDER 119-0397.25A | 40% | 60% | NO ASBESTOS FIBER CELLULOSE DETECTED MINERAL WOOL |
| 119-0397.26A | BLACK ROOFING COMP SHINGLE GARAGE | 60% | 40% | NO ASBESTOS FIBER CELLULOSE DETECTED MINERAL WOOL |
| 119-0397.26B | BLACK ROOFING FELT PAPER UNDER 119-0397.26A | 40% | 60% | NO ASBESTOS FIBER CELLULOSE DETECTED MINERAL WOOL |

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

Analyzed By:  Joshua Samter Date: 4.13.19

This report applies only to the sample(s) tested by ETTNW. All samples were received in acceptable condition unless otherwise noted. Those samples determined to contain asbestos fibers will have the following measurement % ranges (1% = 0-3%, 5% = 1-9%, 10% = 5-15%, 20% = 10-30%, 50% = 40-60%)
 Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities.



Environmental Testing & Training NorthWest
 2266 McGilchrist Street SE Suite #220
 Salem, Oregon 97302

Chain of Custody

Project: 1190397
Site Location: RESIDENCE
 750 NE PERSHING
 MT. ANGEL, Oregon 97362
Sampled By: Gary Parker (gary@ettnw.com)
Reporting By: Gary Parker (gary@ettnw.com)
Purpose: Limited in Scope/Directed by Client

Laboratory Notes

Report all layers individually and composite

Turn-Around Time Request

Standard

Samples

| Sample ID | Material | Floor / Section | Space | Analysis |
|-----------|--|-----------------|---------------------------------------|------------------------------------|
| 01A | White Floor, Sheet Vinyl Paper Backing | 1ST FLOOR | Entryway | EPA Test Method 600/R-93/116 (PLM) |
| 01B | Yellow Floor Tile Mastic | 1ST FLOOR | Entryway | EPA Test Method 600/R-93/116 (PLM) |
| 01C | 9x9 Green Floor Tile | 1ST FLOOR | Entryway / Bottom Layer | EPA Test Method 600/R-93/116 (PLM) |
| 01D | Black Floor Tile Mastic | 1ST FLOOR | Entryway / Bottom Layer | EPA Test Method 600/R-93/116 (PLM) |
| 02A | Gray Asbestos Composit Wallboard | 1ST FLOOR | Living Room / Top Layer of 2 | EPA Test Method 600/R-93/116 (PLM) |
| 02B | Gray Hard Plaster, Walls and Ceilings | 1ST FLOOR | Living Room / Botton Layer of 2 | EPA Test Method 600/R-93/116 (PLM) |
| 03A | 9x9 Green Floor Tile | 1ST FLOOR | Living Room Floor | EPA Test Method 600/R-93/116 (PLM) |
| 03B | Black Floor Tile Mastic | 1ST FLOOR | Living Room Floor | EPA Test Method 600/R-93/116 (PLM) |
| 04A | 9x9 Beige Floor Tile | 1ST FLOOR | Living Room / Small section same room | EPA Test Method 600/R-93/116 (PLM) |
| 04B | Black Floor Tile Mastic | 1ST FLOOR | Living Room / Small section same room | EPA Test Method 600/R-93/116 (PLM) |

RESIDENCE, 750 NE PERSHING, MT. ANGEL, Oregon 97362
 Project Number 1190397

| | | | | |
|-----|---|-----------|-------------------------------------|------------------------------------|
| 05A | 9x9 Green Floor Tile | 1ST FLOOR | Master Bedroom /Floor under carpet | EPA Test Method 600/R-93/116 (PLM) |
| 05B | Black Floor Tile Mastic | 1ST FLOOR | Master Bedroom / Floor under carpet | EPA Test Method 600/R-93/116 (PLM) |
| 06A | Gray Hard Plaster, Walls and Ceilings | 1ST FLOOR | Master Bedroom | EPA Test Method 600/R-93/116 (PLM) |
| 07A | Beige Gypsum Wallboard System (Wallboard, Joint Tape, and Joint Compound) | 1ST FLOOR | Master Bathroom | EPA Test Method 600/R-93/116 (PLM) |
| 08A | White Floor, Sheet Vinyl Paper Backing | 1ST FLOOR | Kitchen /Floor | EPA Test Method 600/R-93/116 (PLM) |
| 08B | Brown Floor Tile Mastic | 1ST FLOOR | Kitchen /Floor | EPA Test Method 600/R-93/116 (PLM) |
| 09A | Gray Hard Plaster, Walls | 1ST FLOOR | Kitchen | EPA Test Method 600/R-93/116 (PLM) |
| 10A | Gray Hard Plaster, Ceilings | 1ST FLOOR | Kitchen | EPA Test Method 600/R-93/116 (PLM) |
| 11A | Green Floor, Sheet Vinyl Paper Backing | 1ST FLOOR | Pantry / Floor | EPA Test Method 600/R-93/116 (PLM) |
| 11B | Brown Floor Tile Mastic | 1ST FLOOR | Pantry / Floor | EPA Test Method 600/R-93/116 (PLM) |
| 12A | Gray Hard Plaster, Walls and Ceilings | 1ST FLOOR | Hallway | EPA Test Method 600/R-93/116 (PLM) |
| 13A | 12X12 Brown Floor Tile | 1ST FLOOR | Hallway | EPA Test Method 600/R-93/116 (PLM) |
| 13B | Yellow Floor Tile Mastic | 1ST FLOOR | Hallway | EPA Test Method 600/R-93/116 (PLM) |
| 14A | White Gypsum Wallboard System (Wallboard, Joint Tape, and Joint Compound) | 1ST FLOOR | Bathroom | EPA Test Method 600/R-93/116 (PLM) |
| 15A | White Floor Tile / Self adhesive / Top Layer of 2 | 1ST FLOOR | Bathroom | EPA Test Method 600/R-93/116 (PLM) |
| 15B | White Bottom Layer Floor, Sheet Vinyl Paper Backing / Bottom layer of 2 | 1ST FLOOR | Bathroom | EPA Test Method 600/R-93/116 (PLM) |
| 15C | Yellow Floor Tile Mastic | 1ST FLOOR | Bathroom | EPA Test Method 600/R-93/116 (PLM) |
| 16A | White Ceiling Tile | 1ST FLOOR | Back Porch | EPA Test Method 600/R-93/116 (PLM) |

Environmental Testing & Training NorthWest - Chain of Custody For MARION COUNTY
 RESIDENCE - 1190397

2 of 4

RESIDENCE, 750 NE PERSHING, MT. ANGEL, Oregon 97362
 Project Number 1190397

| | | | | |
|-----|--|-----------|--|---------------------------------------|
| 17A | White Floor, Sheet Vinyl Paper Backing | 1ST FLOOR | Back Porch | EPA Test Method 600/R-93/116 (PLM) |
| 17B | Brown Floor Tile Mastic | 1ST FLOOR | Back Porch | EPA Test Method 600/R-93/116 (PLM) |
| 18A | Gray Hard Plaster, Walls and Ceilings | 2ND FLOOR | Stairwell / Landing | EPA Test Method 600/R-93/116 (PLM) |
| 19A | Gray Hard Plaster, Walls and Ceilings | 2ND FLOOR | North Bedroom | EPA Test Method 600/R-93/116 (PLM) |
| 20A | Gray Hard Plaster, Walls and Ceilings | 2ND FLOOR | Southeast / Bedroom | EPA Test Method 600/R-93/116 (PLM) |
| 21A | Gray Hard Plaster, Walls and Ceilings | 2ND FLOOR | Southwest / Bedroom | EPA Test Method 600/R-93/116 (PLM) |
| 22A | Pink Insulation, Batting | 2ND FLOOR | Attic | EPA Test Method 600/R-93/116 (PLM) |
| 23A | Gray Cement Siding | 1ST FLOOR | Exterior Siding Main Residence | EPA Test Method 600/R-93/116 (PLM) |
| 24A | White Floor Tile | 1ST FLOOR | Outbuilding / Back yard | EPA Test Method 600/R-93/116 (PLM) |
| 25A | Black Roofing, Composite Shingle | 2ND FLOOR | Roof / Main / Back Yard Outbuilding | EPA Test Method 600/R-93/116 (PLM) |
| 25B | Black Roofing Paper/Felt | 1ST FLOOR | Roof / Main Residence and Back yard outbuilding | EPA Test Method 600/R-93/116 (PLM) |
| 26A | Black Roofing, Composite Shingle | 1ST FLOOR | Garage / Detached | EPA Test Method 600/R-93/116 (PLM) |
| 26B | Black Roofing Paper/Felt | 1ST FLOOR | Garage / Detached | EPA Test Method 600/R-93/116 (PLM) |

| | | | | | | | | |
|--|--|--|---------------------------|--|--|---------------------------|--|--|
| GARY PARKER ETTNW 4.8.19 1100 AM Sampled By Date Time | | | | | | | | |
| 4.9.19 1200 Received By Date Time | | | Received By Date Time | | | Received By Date Time | | |
| Relinquished By Date Time | | | Relinquished By Date Time | | | Relinquished By Date Time | | |
| GARY PARKER ETTNW 4.10.19 12:15 PM Analyzed By Date Time | | | | | | | | |

LICENSES AND CERTIFICATIONS

We certify that the information contained herein is based on the physical and visual inspections conducted, and data collected during the inspection survey.

| Inspector | Company | License | Expiration | License Type |
|-------------|--|----------------|------------|--------------|
| Josh Samter | Environmental Testing & Training Northwest 971-570-0069 | RIH-BIR-19-066 | 04/09/2020 | Federal |





2266 McGilchrist Street SE Suite #220
Salem, Oregon, 97302

Report For 1190397

Project Number: 1190397

Purpose: Limited in Scope/Directed by Client

Prepared For: MARION COUNTY

555 COURT ST NE

SALEM, Oregon, 97301

Prepared By: Environmental Testing & Training NorthWest

2266 McGilchrist Street SE Suite #220

Salem, Oregon, 97302

Assigned Team

Josh Samter (Primary Inspector, Report Writer)04/18/2019