ASBESTOS SURVEY

For the house located at:

9909 NE 94TH AVENUE
VANCOUVER, WASHINGTON

Prepared for:
Clark County
Department of Public Works

CERTIFIED ENVIRONMENTAL CONSULTING, LLC
615 SE CHKALOV DRIVE SUITE 12
VANCOUVER, WASHINGTON 98683-5280

Prepared by:
Tom Thompson
EXECUTIVE SUMMARY

Dear Ms. Mason;

Enclosed are the results of the asbestos survey report conducted by C.E.C., LLC, for the house located at, 9909 NE 94th Avenue, in Vancouver, Washington. This survey was coordinated with you and conducted on September 16, 2014, by Tom Thompson, an AHERA certified inspector. No suspect materials were encountered in the shed and samples were not collected in that area.

All samples were taken in a random manner as required by EPA AHERA rules and analyzed using polarized light microscopy with dispersion staining according to EPA and OR-OSHA Methodology.

Asbestos was not identified in this location (See sample data sheet attached).

The following survey is divided into the following sections:

◊ Summary sheet - details the type and construction of the building with approximate amounts of asbestos in the building.
◊ Sample result sheet - contains sample numbers and results, description of materials and homogeneous areas of material.
◊ Assessment of materials - contains an assessment of asbestos materials.
◊ Response actions recommended - contains the response actions we recommend.
◊ Laboratory analysis sheet - contains the results of our laboratory analysis.
◊ Inspector’s certifications.

C.E.C. has investigated accessible areas of this facility in locating suspect ACM. The current extent and condition of the ACM was detected through on-site observation and physical determination.

NOTE: This asbestos survey report is available to Clark County Department of Public Works, and not to be reproduced in total or part without written consent of Clark County Department of Public Works.

We appreciate the opportunity to have worked with you. If you have any questions or if we can be of any further service, please contact our office.

Sincerely,

[Signature]

Don Young
Principal

615 SE CHKALOV DRIVE SUITE 12 VANCOUVER, WASHINGTON 98683-5280
PORTLAND (503) 221-7904 VANCOUVER (360) 254-9385 Fax (360) 891-9633
CERTIFIED ENVIRONMENTAL CONSULTING, LLC

SUMMARY SHEET

Owner or Representative: Pam Mason

Address: 9909 NE 94th Avenue

City: Vancouver  State: Washington

Owner's Representative: Clark County
Department of Public Works
Ms. Pam Mason
PO Box 9810
Vancouver, Washington 98666-9810

Owner/Rep. Telephone Number: (360) 397-6118 Extension 4376

Surveyed by: Tom Thompson - Accreditation Number: 145615

CONSTRUCTION DATA:

Year Built: Approx: 1930's  Size: Approx 2,500 SQ FT with Outbuildings

Construction Type: Wood

Roof Construction: Asphalt Shingle-House and Garage

Heating System: Woodstove-Missing

Attic Insulation: Some Fiberglass

Pipe Insulation: Non-insulated
## SUMMARY DATA

**9909 NE 94TH AVENUE, VANCOUVER, WASHINGTON**

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>AMOUNT</th>
<th>FRIABLE</th>
<th>CONDITION</th>
<th>SAMPLE #</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asbestos was not identified in this location</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## SAMPLE RESULTS

<table>
<thead>
<tr>
<th>SAMPLE #</th>
<th>SAMPLE DESCRIPTION</th>
<th>SAMPLE LOCATION</th>
<th>HOMOGENEOUS AREA</th>
<th>ASBESTOS CONTENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ASPHALT SHINGLE</td>
<td>GARAGE</td>
<td>ENTIRE GARAGE ROOF</td>
<td>NONE DETECTED</td>
</tr>
<tr>
<td>2</td>
<td>WINDOW GLAZING COMPOUND</td>
<td>GARAGE</td>
<td></td>
<td>NONE DETECTED</td>
</tr>
<tr>
<td>3</td>
<td>ASPHALT SHINGLE</td>
<td>HOUSE ROOF</td>
<td>ENTIRE HOUSE ROOF</td>
<td>NONE DETECTED</td>
</tr>
<tr>
<td>4</td>
<td>SHEET VINYL</td>
<td>UNDER CARPET</td>
<td></td>
<td>NONE DETECTED</td>
</tr>
<tr>
<td>5</td>
<td>FLOOR TILE AND MASTIC</td>
<td>BATHROOM</td>
<td></td>
<td>NONE DETECTED</td>
</tr>
<tr>
<td>6</td>
<td>WINDOW GLAZING</td>
<td>SOUTH WINDOW HOUSE</td>
<td></td>
<td>NONE DETECTED</td>
</tr>
<tr>
<td>7</td>
<td>LAMINATE</td>
<td>KITCHEN</td>
<td></td>
<td>NONE DETECTED</td>
</tr>
<tr>
<td>8</td>
<td>Z BRICK</td>
<td>AT WOODSTOVE SITE</td>
<td></td>
<td>NONE DETECTED</td>
</tr>
</tbody>
</table>
CERTIFIED ENVIRONMENTAL CONSULTING, LLC

ASSESSMENT OF MATERIALS

Building: 9909 NE 94TH AVENUE, VANCOUVER, WASHINGTON

<table>
<thead>
<tr>
<th>Sample #</th>
<th>Functional Space</th>
<th>Asbestos Type</th>
<th>% Material And Condition</th>
<th>Comments</th>
<th>Sq. Ft. And/Or Linear Footage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>ASBESTOS WAS NOT IDENTIFIED IN THIS LOCATION</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Inspector: Tom Thompson - Accreditation Number: 145615

Signature: [Signature]
Date: September 25, 2014
RESPONSE ACTIONS RECOMMENDED

Building: 9909 NE 94TH AVENUE, VANCOUVER, WASHINGTON

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>LOCATION</th>
<th>RECOMMENDED RESPONSE ACTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASBESTOS WAS NOT IDENTIFIED IN THIS LOCATION</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Management Planner: Tom Thompson - Accreditation Number: 145623

Signature: [Signature]

Date: September 25, 2014
SAMPLE ANALYSIS REPORT

CLIENT: CLARK COUNTY  
DEPARTMENT OF PUBLIC WORKS  
ATTN: PAM MASON  
PO BOX 9810  
VANCOUVER, WASHINGTON 98666-9810

SOURCE: 9909 NE 94TH AVENUE,  
VANCOUVER, WASHINGTON

SAMPLED BY: TOM THOMPSON  
LAB/JOB #: Z-1563/14-401  
ANALYZED BY: TOM THOMPSON

DATE SAMPLED: 09-16-14  
DATE RECEIVED: 09-16-14  
DATE COMPLETED: 09-18-14

ANALYTICAL METHOD: EPA, 40 CFR Part 763, Section 1, Subpart F,  
Appendix A, PLM/Dispersion Staining

<table>
<thead>
<tr>
<th>SAMPLE ID #</th>
<th>SAMPLE DESCRIPTION</th>
<th>SAMPLE LOCATION</th>
<th>ASBESTOS CONTENT</th>
<th>OTHER MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ASPHALT SHINGLE</td>
<td>GARAGE ROOF</td>
<td>NONE DETECTED</td>
<td>30% FIBERGLASS, TAR, AGGREGATE</td>
</tr>
<tr>
<td>2</td>
<td>WINDOW GLAZING COMPOUND</td>
<td>GARAGE</td>
<td>NONE DETECTED</td>
<td>CALCIUM CARBONATE, OIL</td>
</tr>
<tr>
<td>3</td>
<td>ASPHALT SHINGLE</td>
<td>HOUSE ROOF</td>
<td>NONE DETECTED</td>
<td>30% FIBERGLASS, TAR, AGGREGATE</td>
</tr>
<tr>
<td>4</td>
<td>SHEET VINYL</td>
<td>UNDER CARPET KITCHEN</td>
<td>NONE DETECTED</td>
<td>35% CELLULOSE, VINYL, CALCITE, TAR, ADHESIVE</td>
</tr>
</tbody>
</table>

Analyst: [Signature]  
Reviewed by: [Signature]

Deviation from method: None.  
Percentages are estimates.  
Test results pertain only to items tested.  
* Detection limit is less than 1% asbestos.  
Non-asbestos materials are not necessarily listed.
# SAMPLE ANALYSIS REPORT

**CLIENT:** CLARK COUNTY  
**SOURCE:** 9909 NE 94TH AVENUE, VANCOUVER, WASHINGTON  
**DEPARTMENT OF PUBLIC WORKS**  
**ATTN:** PAM MASON  
**PO BOX 9810**  
**VANCOUVER, WASHINGTON 98666-9810**  
**DATE SAMPLED:** 09-16-14  
**DATE RECEIVED:** 09-16-14  
**DATE COMPLETED:** 09-18-14

**ANALYTICAL METHOD:** EPA, 40 CFR Part 763, Section 1, Subpart F, Appendix A, PLM/Dispersion Staining

<table>
<thead>
<tr>
<th>SAMPLE ID #</th>
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<th>SAMPLE LOCATION</th>
<th>ASBESTOS CONTENT</th>
<th>OTHER MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>FLOOR TILE AND MASTIC</td>
<td>BATHROOM</td>
<td>NONE DETECTED</td>
<td>CALCULIUM CARBONATE, VINYL, BINDER, ADHESIVE</td>
</tr>
<tr>
<td>6</td>
<td>WINDOW GLAZING COMPOUND</td>
<td>SOUTH WINDOW</td>
<td>NONE DETECTED</td>
<td>CALCULIUM CARBONATE, OIL</td>
</tr>
<tr>
<td>7</td>
<td>LAMINATE</td>
<td>KITCHEN</td>
<td>NONE DETECTED</td>
<td>50% CELLULOSE, EPOXY, ADHESIVE</td>
</tr>
<tr>
<td>8</td>
<td>Z BRICK</td>
<td>AT WOODSTOVE SITE</td>
<td>NONE DETECTED</td>
<td>SAND, PERLITE, CEMENT</td>
</tr>
</tbody>
</table>

**ANALYST:**  
**DEVIAITION FROM METHOD:** NONE  
**PERCENTAGES ARE ESTIMATES.**  
**TEST RESULTS PERTAIN ONLY TO ITEMS TESTED.**  
**DETECTION LIMIT IS LESS THAN 0.01% ASBESTOS.**  
**NON-ASBESTOS MATERIALS ARE NOT NECESSARILY LISTED.**
Certificate of Completion

This is to certify that

Tommy M. Thompson

has satisfactorily completed
4 hours of refresher training as an
Asbestos Building Inspector
to comply with the training requirements of
TSCA Title II / 40 CFR 768 (AHERA)

Certificate Number

EPA Provider Code: Number: 1886

Columbia, Washington 98683-5280
PORTLAND (503) 221-7904 VANCOUVER (360) 254-9385 Fax (360) 891-9633