



# **HART ENVIRONMENTAL RESOURCES**

262 Hedge Dr. Springfield, OH 45504 (937) 325-8777 (937) 324-0288 FAX

## **ASBESTOS INSPECTION REPORT**

**152 Kirkham St.  
Dayton, OH 45417**



### **PREPARED FOR:**

**Mr. Dennis Zimmer  
Montgomery County Land Bank  
371 West Second Street, 3rd Floor  
Dayton, Ohio 45402  
937-333-3982**

### **PREPARED BY:**

**Lynda M. Hart  
Asbestos Hazards Evaluation Specialist  
Ohio #ES-32558  
February 20, 2015**

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# HART ENVIRONMENTAL RESOURCES

262 Hedge Dr. Springfield, OH 45504 (937) 325-8777 (937) 324-0288 FAX

February 20, 2015

Mr. Dennis Zimmer  
Montgomery County Land Bank  
371 West Second Street, 3rd Floor  
Dayton, Ohio 45402

**Re:** Asbestos Inspection  
152 Kirkham St.  
Dayton, OH 45417

Dear Mr. Zimmer:

Hart Environmental Resources prepared this report, under contract with the Montgomery County Land Bank, for the asbestos inspection conducted at 152 Kirkham St., Dayton, OH. The inspection, conducted on February 10, 2015, was completed utilizing applicable Federal and Ohio State regulations pertaining to asbestos: Federal OSHA (29 CFR 1910.1001 and 29 CFR 1926.1101), EPA (40 CFR Part 61), and TSCA Title II AHERA/ASHARA (40 CFR Part 763) Asbestos Regulations. The findings in this report are consistent with accepted principles and practice established and prescribed by the EPA and AHERA.

All accessible areas of the home at 152 Kirkham St. were inspected physically, functional space by functional space, and homogeneous area by homogeneous area to determine the presence of asbestos-containing materials. Suspect materials that may be present inside wall cavities, electrical wiring or which were otherwise inaccessible were not included in the scope of this inspection. Core samples of friable and non-friable suspect asbestos-containing materials were collected. A site diagram, with the location of each sample, was made. The bulk samples were placed in zip-lock bags, sealed, and labeled with an identifying code. The samples, along with the chain-of-custody, were then submitted to the laboratory Environmental Hazards Services, Inc., to be analyzed for asbestos content.

The house is a two-story structure, with a basement. The exterior structure is composed of wood lapping. The interior walls are covered with drywall and plaster. The roof is covered with asphalt shingles. A gas forced-air furnace, which has been removed, heated the structure. No seam tape or ductwork insulation was observed. The property contains a wood shed, with no suspect materials observed. Eight (8) wood windows have been installed in the house.

Hart Environmental Resources identified four (4) suspect asbestos-containing materials in the accessible areas of the structure.



## **Analytical Results**

<b>HER Sample # Lab Sample #</b>	<b>Amount</b>	<b>Layers</b>	<b>Description/Sample Location</b>	<b>Condition</b>	<b>PLM Result (% Asbestos)</b>
152K-01 15-02-01452-001	-	2	Roof Shingle, Exterior, Inhomogeneous	Non-friable	None Detected
152K-02 15-02-01452-002	-	2	Roof Shingle, Exterior, Inhomogeneous	Non-friable	None Detected
152K-03 15-02-01452-003	-	2	Plaster, Living Room, Wall A, Inhomogeneous	Non-friable	None Detected
152K-04 15-02-01452-004	-	2	Plaster, Kitchen, Wall D, Inhomogeneous	Non-friable	None Detected
152K-05 15-02-01452-005	-	2	Plaster, Dining Room, Wall B, Inhomogeneous	Non-friable	None Detected
152K-06 15-02-01452-006	-	2	Window Glazing, Dining Room, Wall D, Inhomogeneous	Friable	None Detected
152K-07 15-02-01452-007	-	3	Drywall/J.C., Bath 1, Wall A, Inhomogeneous	Non-friable	None Detected
152K-08 15-02-01452-008	-	3	Drywall/J.C., Bath 1, Wall D, Inhomogeneous	Non-friable	None Detected
152K-09 15-02-01452-009	-	1	Plaster, Bedroom 2, Wall B, Inhomogeneous	Non-friable	None Detected
152K-10 15-02-01452-010	-	2	Plaster, Bedroom 1, Wall C, Inhomogeneous	Non-friable	None Detected
152K-11 15-02-01452-011	-	2	Window Glazing, Bedroom 1, Wall A, Inhomogeneous	Friable	None Detected

## **Discussion and Recommendations**

Eleven (11) bulk samples of suspect asbestos-containing materials were collected in the accessible areas of the structure. Per current EPA regulations, Category I Non-Friable materials, including bituminous roofing materials, resilient floor coverings and gaskets do not need to be removed prior to the demolition of homes, as long as it does not become friable during the demolition process.

The analytical results found no items to contain greater than 1% asbestos fibers:

Confirmed or assumed asbestos-containing materials, which will be disturbed during demolition activities, are regulated under current Federal and State regulations. Hart Environmental Resources recommends the removal of these materials by a licensed asbestos abatement contractor. It is also strongly recommended that the specifications for the removal program be developed by a licensed Asbestos Project Designer to ensure that all regulatory requirements are satisfied. The work should be properly documented in the event of future litigation.

An Ohio EPA Notification of Demolition and Renovation form must be completed and submitted to the Regional Air Pollution Control Agency (RAPCA) at least ten working days prior to the commencement of any abatement or demolition activity. The amount, type and condition of the asbestos-containing materials found in this inspection, as well as the materials assumed to be asbestos-containing materials, must be noted on the form. The name and certification number of the asbestos inspector, Lynda M. Hart, #ES32558, must be included.

Additional suspect asbestos-containing materials may be hidden in uninspected or inaccessible areas, such as pipe chases, duct chases or wall cavities. If any additional suspect materials are encountered in these locations, the material should be left undisturbed and kept intact until they can be inspected and sampled by a licensed Asbestos Abatement Evaluation Specialist. Hart Environmental Resources will be happy to return to the site if additional suspect materials are encountered during the demolition activity. The other options, is to assume that the material is asbestos-containing and have it abated as such.

This report, and the supporting data, findings, conclusions, opinions, and the recommendations it contains, represents the result of Hart Environmental Resources' efforts on behalf of the Montgomery County Land Bank. This report is not an asbestos abatement specification and should not be used for specifying removal methods or techniques. The results, assessments, conclusions and recommendations stated in this report are factually representative of the conditions and circumstances observed at this location on the date of the inspection. We cannot assume responsibility for any change in conditions or circumstances that occurred after the inspection. This report and its findings and recommendations, if implemented by the Montgomery County Land Bank, should not be construed as an assurance or implied warranty for the continuing safety, performance, or cost-effectiveness of any equipment, product, system, facility, procedure, or policy discussed or recommended herein.

Recommendations are based on the professional judgment of the inspector and the results of the samples collected and analyzed. Hart Environmental Resources makes no warranty, expressed or implied, and accepts no liability for the presence or absence of asbestos or other hazardous materials in or on building products, materials or areas. Hart Environmental Resources assumes no responsibility for the cost of repairing, replacing or removing any undiscovered or unreported condition or defect, or any future condition or defect.

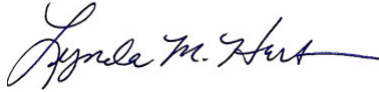
Based on the findings of this survey, Hart Environmental Resources recommends the following:

- **Maintain copies of the information from this asbestos inspection at the site during the demolition operations.** This information should also be maintained by the Montgomery County Land Bank in an off-site file to document property completion of the inspection prior to the building demolition.
- **Asbestos-containing materials should not be disturbed or removed except by properly trained, certified and equipped personnel in accordance with the requirements of an asbestos abatement specification developed for this project.**
- **Air monitoring should be performed during any work that disturbs the integrity of identified asbestos-containing materials, in accordance with the OSHA regulations.** Air monitoring should be performed by a certified asbestos hazards evaluation specialist or a certified industrial hygienist.
- **An Ohio EPA Notification of Demolition and Renovation form should be completed and submitted to the Regional Air Pollution Control Agency (RAPCA) at least ten working days prior to the start of any abatement or demolition activity.** This form

should list the amount of Category I Non-Friable materials, which will not be removed, as well as the amount of regulated asbestos-containing materials, which will be removed prior to the demolition activity.

If you have any questions or concerns with this inspection please do not hesitate to contact me.

Sincerely,



Lynda M. Hart, REM

President

*Registered Environmental Manager, #7928*

*Asbestos Hazards Evaluation Specialist, State of Ohio, #ES32558*

Attachments

Attachment 1	Site Location Map
Attachment 2	Site Inspection Work Sheet
Attachment 3	Photographs
Attachment 4	Laboratory Results
Attachment 5	Work Order

**ATTACHMENT 1**  
**SITE LOCATION MAP**



**ATTACHMENT 2**

**SITE INSPECTION WORK SHEET**

Site 152 Kirkham

City Dayton

State OH

Zip \_\_\_\_\_

Structure

Levels: 1 \_\_\_\_\_ 2  3 \_\_\_\_\_ Other \_\_\_\_\_

Foundation: Slab \_\_\_\_\_ Crawl \_\_\_\_\_ Basement

Exterior: Wood  Vinyl \_\_\_\_\_ Aluminum \_\_\_\_\_ Transite \_\_\_\_\_ Brick \_\_\_\_\_ Other \_\_\_\_\_

Over \_\_\_\_\_

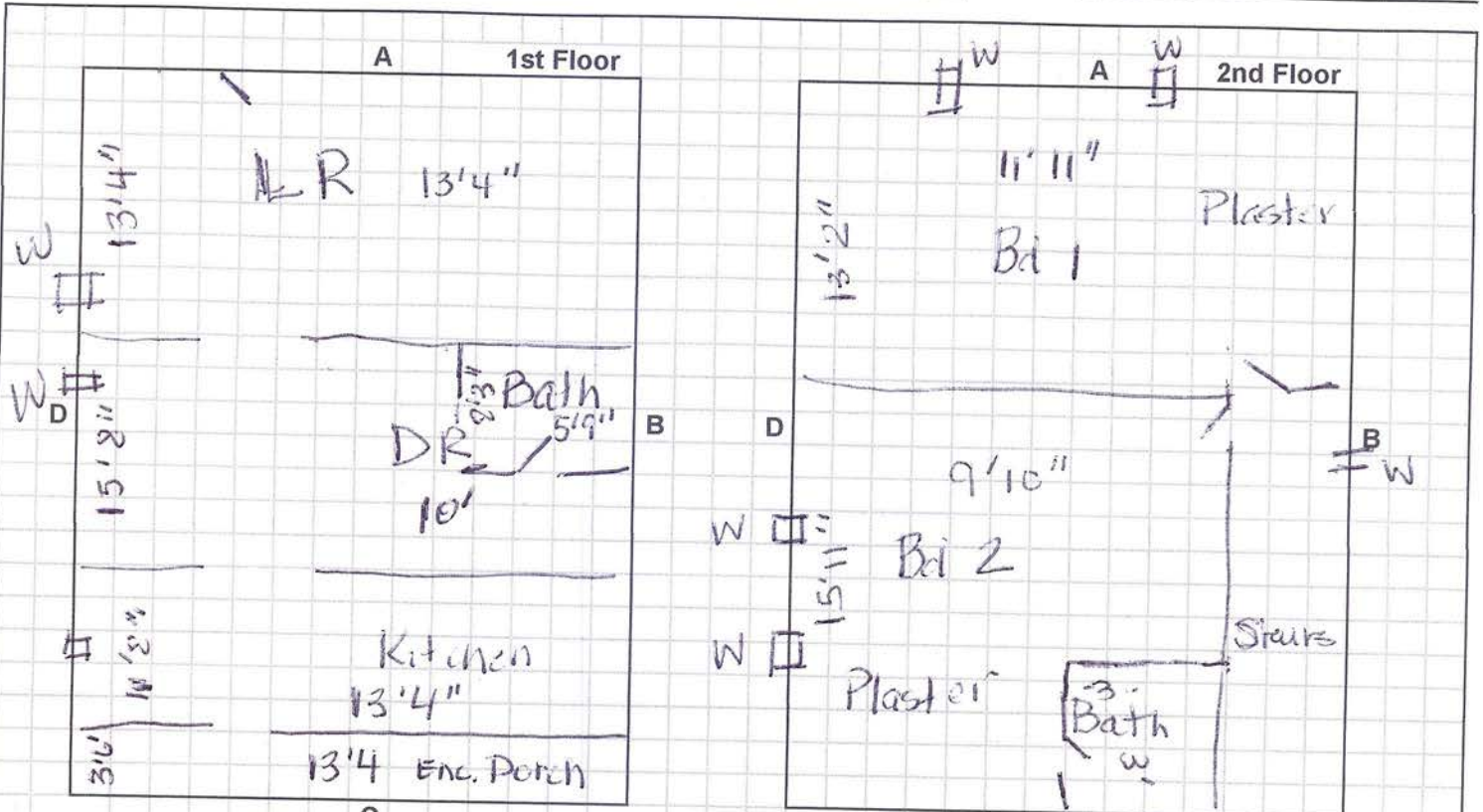
Interior Walls: Drywall  Plaster  Paneling \_\_\_\_\_ Other \_\_\_\_\_

Flooring: Linoleum/Vinyl \_\_\_\_\_ Linoleum/Vinyl \_\_\_\_\_ Linoleum/Vinyl \_\_\_\_\_

Windows: Wood  Vinyl \_\_\_\_\_ Metal \_\_\_\_\_ Other \_\_\_\_\_ Number of Windows \_\_\_\_\_

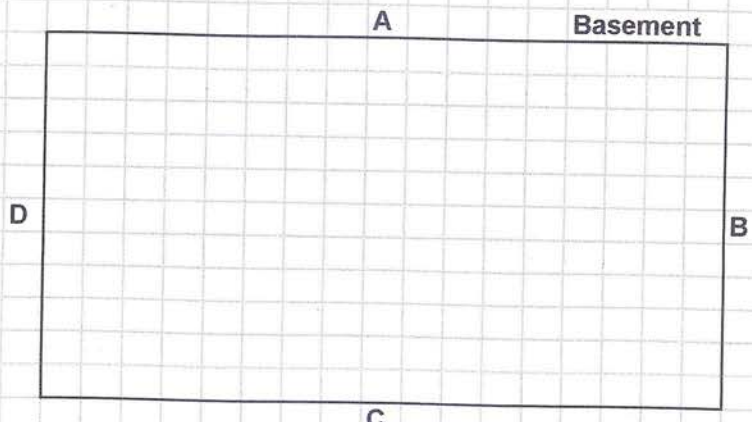
Heating: GFA \_\_\_\_\_ Hot Water \_\_\_\_\_ Other \_\_\_\_\_ Duct Work Yes / No Seam Tape Yes / No

Roofing: Asphalt Shingles \_\_\_\_\_ Transite Shingles \_\_\_\_\_ Metal \_\_\_\_\_ Other \_\_\_\_\_



Ceiling Height 8'10"

Ceiling Height 7'4"



Ceiling Height \_\_\_\_\_



**ATTACHMENT 3**  
**PHOTOGRAPHS**



**Photo 1: Roof Shingle (152K-1) Exterior.  
No Asbestos Detected.**



**Photo 2: Roof Shingle (152K-2) Exterior.  
No Asbestos Detected.**



**Photo 3: Plaster (152K-3) Living Room,  
Wall A.  
No Asbestos Detected.**



**Photo 4: Plaster (152K-4) Kitchen, Wall D.  
No Asbestos Detected.**



**Photo 5: Plaster (152K-5) Dining Room, Wall B.  
No Asbestos Detected**



**Photo 6: Window Glazing (152K-6) Dining Room, Wall D.  
No Asbestos Detected**

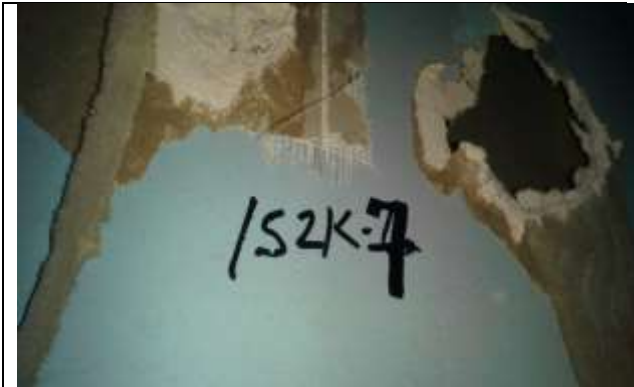


Photo 7: Drywall/J.C. (152K-7) Bath 1, Wall A.  
No Asbestos Detected.



Photo 8: Drywall/J.C. (152K-8) Bath 1, Wall D.  
No Asbestos Detected.



Photo 9: Plaster (152K-9) Bedroom 2, Wall B.  
No Asbestos Detected.



Photo 10: Plaster (152K-10) Bedroom 1, Wall C.  
No Asbestos Detected.



Photo 11: Window Glazing (152K-11) Bedroom 1, Wall A.  
No Asbestos Detected.

**ATTACHMENT 4**

**LAB RESULTS**



# Asbestos Bulk Analysis Report

Environmental Hazards Services, L.L.C.  
7469 Whitepine Rd  
Richmond, VA 23237  
Telephone: 800.347.4010

Report Number: 15-02-01452

Client: Hart Environmental Resources  
262 Hedge Drive  
Springfield, OH 45504

Received Date: 02/13/2015  
Analyzed Date: 02/14/2015  
Reported Date: 02/16/2015

Project/Test Address: Dayton; 152 Kirkham

Client Number:  
36-5620

Fax Number:  
937-324-0288

## Laboratory Results

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-02-01452-001	152K-1	--	Black Tar-Like; Gray/Green Aggregate; Inhomogeneous	NAD	24% Cellulose 76% Non-Fibrous
15-02-01452-002	152K-2	--	Black Tar-Like; Gray/Green Aggregate; Inhomogeneous	NAD	24% Cellulose 76% Non-Fibrous
15-02-01452-003	152K-3	--	White/Tan Granular; White Paint-Like; Inhomogeneous	NAD	2% Hair 98% Non-Fibrous
15-02-01452-004	152K-4	--	White/Tan Granular; Tan/Green Paint-Like; Inhomogeneous	NAD	1% Hair 99% Non-Fibrous

## Environmental Hazards Services, L.L.C

Client Number: 36-5620

Report Number: 15-02-01452

Project/Test Address: Dayton; 152 Kirkham

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-02-01452-005	152K-5	--	Off-White/White/Tan Granular; Gray Paint-Like; Inhomogeneous	NAD	1% Hair 99% Non-Fibrous
15-02-01452-006	152K-6	--	Tan Brittle; Gray Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
15-02-01452-007	152K-7	--	White Granular; Powder; White/Tan Fibrous; Blue Paint-Like; Inhomogeneous	NAD	14% Cellulose 8% Fibrous Glass 78% Non-Fibrous
15-02-01452-008	152K-8	--	White Granular; Powder; White/Tan Fibrous; Blue Paint-Like; Inhomogeneous	NAD	14% Cellulose 8% Fibrous Glass 78% Non-Fibrous
15-02-01452-009	152K-9	--	White/Tan Granular; Inhomogeneous	NAD	2% Hair 98% Non-Fibrous
15-02-01452-010	152K-10	--	White/Tan Granular; Blue Paint-Like; Inhomogeneous	NAD	4% Hair 96% Non-Fibrous
15-02-01452-011	152K-11	--	Tan Brittle; Gray Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous

# Environmental Hazards Services, L.L.C

Client Number: 36-5620

Report Number: 15-02-01452

Project/Test Address: Dayton; 152 Kirkham

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Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
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QC Sample: 75-M22009-3

QC Blank: SRM 1866 Fiberglass

Reporting Limit: 1% Asbestos

Method: EPA Method 600/R-93/116, EPA Method 600/M4-82-020

Analyst: Vickie Holmes

Reviewed By Authorized Signatory:



*Howard Varner*  
General Manager

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Each distinct component in an inhomogeneous sample was analyzed separately and reported as a composite. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714 NVLAP #101882-0. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), (for enhanced detection capabilities) for materials regulated by EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

400 Point Count Analysis, where noted, performed per EPA Method 600/R-93/116 with a Reporting Limit of 0.25%.

\* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

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LEGEND: NAD = no asbestos detected

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## Analyst Signature Page

Environmental Hazards Services, L.L.C.  
7469 Whitepine Rd  
Richmond, VA 23237  
Telephone: 800.347.4010

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Analyst(s)

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*Vickie Holmes*

Vickie Holmes



**ATTACHMENT 5**

**WORK ORDER**



# NEIGHBORHOOD IMPROVEMENT PROGRAM

NOP #1

February 3, 2015

HART ENVIRONMENTAL, INC.  
262 Hedge Drive  
Springfield, OH 45504

Subject: NEIGHBORHOOD INITIATIVE PROGRAM-ASBESTOS SURVEYS AND POST-ABATEMENT INSPECTIONS

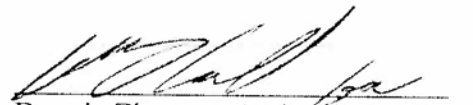
This Transmittal is **Notice of Possession #1** on the Montgomery County Land Reutilization Corporation contract dated January 29, 2015 for the performance of Asbestos Surveys/Post-Abatement Inspections on the properties listed herein.

A Notice of Possession under this agreement hereby gives you possession of the entire parcel(s) including all structures, appurtenances and all contents for the purpose of conducting Asbestos Surveys and Post-Abatement Inspections.

Survey  X  Post-Abatement Inspection

Address	Lot#	Type
152 Kirkham	6070 pt	Two-story over basement
154 Kirkham	6070 pt	Two-story over basement
1386 Courter (Trotwood)	274 Townview 2-701	One-story over slab
1549 Courter (Trotwood)	491 Townview 2-702	One-story over basement
124 S Monmouth	17633	Two-story over basement
639 Burleigh	52497	One-story over basement
915 Leland	52018	One-story over basement
152-154 E Hillcrest	35941-40 pt	Two-story over basement
312 Geneva	61846	One-story over crawl
4645 Dayview	64209	One-story over basement

This Notice of Possession becomes effective at 12:01 a.m. Eastern Standard Time in Ohio on **February 5, 2015** which is established as the beginning date of survey activities on these parcels. **Furthermore, the time for completion is 13 working days, or February 24, 2015.**

  
Dennis Zimmer, Acting Supervisor  
City of Dayton  
Nuisance Abatement and  
Rehabilitation Division