



# **HART ENVIRONMENTAL RESOURCES**

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

## **ASBESTOS INSPECTION REPORT**

**105-107 Knecht Dr.  
Dayton, OH 45405**



### **PREPARED FOR:**

**Mr. Dennis Zimmer  
Montgomery County Land Reutilization Corporation  
City of Dayton  
Building Services  
Nuisance Abatement & Rehabilitation Supervisor  
371 W. 2<sup>nd</sup> St., Room 324  
Dayton, OH 45402  
937-333-3982**

### **PREPARED BY:**

**Lynda M. Hart  
Asbestos Hazards Evaluation Specialist  
Ohio #ES-32558  
October 30, 2015**

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# HART ENVIRONMENTAL RESOURCES

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

October 30, 2015

Mr. Dennis Zimmer  
Montgomery County Land Reutilization Corporation  
City of Dayton  
Building Services  
Nuisance Abatement & Rehabilitation Supervisor  
371 W. 2<sup>nd</sup> St., Room 324  
Dayton, OH 45402

Re: Asbestos Inspection  
105-107 Knecht Dr.  
Dayton, OH 45405

Dear Mr. Zimmer:

Hart Environmental Resources prepared this report, under contract with the Montgomery County Land Reutilization Corporation, Ohio, for the asbestos inspection conducted at 105-107 Knecht Dr., Dayton, OH. The inspection, conducted on October 27, 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 105-107 Knecht Dr. were inspected physically, functional space by functional space, and homogeneous area by homogeneous area to determine the presence of asbestos-containing materials. 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 structure is a two-unit, two story building, with a basement. The house exterior is covered with vinyl siding, over wood lapping. The interior walls are covered with plaster. The pitched roof is covered with asphalt shingles. 105 Knecht has a kitchen floor covered with nine inch vinyl floor tiles. 107 Knecht has a kitchen floor covered with self-adhesive linoleum. Thirty-four (34) wood window have been installed in the unit. That gas forced air heating systems are intact in both units, with duct work still present.

Hart Environmental Resources identified six (6) suspect asbestos-containing materials in the accessible areas of the structure.

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## 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>
105K-1 15-10-03673-001A 15-10-03744-001	151 sq ft.	1	Tile (Tile), Kitchen, Floor, Homogeneous	Non-friable	<b>3% Chrysotile Asbestos Present (PC=2.50%)</b>
105K-1 15-10-03673-001B	-	1	Tile (Mastic), Kitchen, Floor, Homogeneous	Non-friable	None Detected
105K-2 15-10-03673-002A 15-10-03744-002	-	1	Tile (Tile), Kitchen, Floor, Homogeneous	Non-friable	<b>3% Chrysotile Asbestos Present (PC=3.50%)</b>
105K-2 15-10-03673-002B 15-10-03744-003	-	1	Tile (Mastic), Kitchen, Floor, Homogeneous	Non-friable	Trace <1% Chrysotile Asbestos Present (PC not available)
105K-3 15-10-03673-003	8 sq ft.	1	Furnace Board, Basement, Homogeneous	Non-friable	<b>68% Chrysotile Asbestos Present</b>
105K-4 15-10-03673-004 15-10-03744-004	-	3	Plaster, Kitchen, Wall A, Inhomogeneous	Non-friable	Trace <1% Chrysotile Asbestos Present (PC=<0.25%)
105K-5 15-10-03673-005	-	2	Window Glazing, Kitchen, Wall B, Inhomogeneous	Friable	None Detected
105K-6 15-10-03673-006 15-10-03744-005	-	2	Plaster, Dining Room, Wall D, Inhomogeneous	Non-friable	Trace <1% Chrysotile Asbestos Present (PC=<0.25%)
105K-7 15-10-03673-007	120 sq ft.	1	Duct Work Wrap, Dining Room, Homogeneous	Friable	<b>65% Chrysotile Asbestos Present</b>
105K-8 15-10-03673-008 15-10-03744-006	-	2	Plaster, Bedroom 3, Wall B, Inhomogeneous	Non-friable	Trace <1% Chrysotile Asbestos Present (PC=<0.25%)
105K-9 15-10-03673-009	-	2	Roof Shingle, Exterior, Inhomogeneous	Non-friable	None Detected
107K-1 15-10-03673-010 15-10-03744-007	-	2	Plaster, Dining Room, Wall B, Inhomogeneous	Non-friable	Trace <1% Chrysotile Asbestos Present (PC=0.50%)
107K-2 15-10-03673-011	120 sq ft.	2	Duct Work Wrap, Dining Room, Wall B, Inhomogeneous	Friable	<b>65% Chrysotile Asbestos Present</b>
107K-3 15-10-03673-012 15-10-03744-008	-	2	Plaster, Living Room, Wall D, Inhomogeneous	Non-friable	Trace <1% Chrysotile Asbestos Present (PC=0.25%)
107K-4 15-10-03673-013	-	2	Window Glazing, Living Room, Wall A, Inhomogeneous	Friable	None Detected
107K-5 15-10-03673-014	10 sq ft.	1	Duct Work Wrap, Basement, Ceiling, Homogeneous	Friable	<b>65% Chrysotile Asbestos Present</b>
107K-6 15-10-03673-015 15-10-03744-009	-	3	Plaster, Bedroom 1, Wall C, Inhomogeneous	Non-friable	Trace <1% Chrysotile Asbestos Present (PC=<0.25%)
107K-7 15-10-03673-016 15-10-03744-010	-	3	Plaster, Bedroom 2, Wall B, Inhomogeneous	Non-friable	Trace <1% Chrysotile Asbestos Present (PC=<0.25%)
107K-8 15-10-03673-017	-	2	Roof Shingle, Exterior, Inhomogeneous	Non-friable	None Detected

**Discussion and Recommendations**

Seventeen (17) 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 the following item to contain greater than 1% asbestos fibers:

- Tile, Kitchen, 105 Knecht Dr.
- Furnace Board, Basement, 105 Knecht Dr.
- Duct Work Wrap, Kitchen, Living Room & Dining Room, (Both Units)
- Duct Work Wrap, Basement, 107 Knecht Dr.

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. Hart Environmental Resources estimates the cost associated with the removal of the confirmed asbestos-containing materials to be as follows:

<u>Material</u>	<u>Est. Qty.</u>	<u>Est. Unit Cost</u>	<u>Est. Cost</u>
Tile	151 sq ft.	\$ 2/sq ft.	\$ 302
Furnace Board	8 sq ft.	\$ 20/sq ft.	\$ 160
Duct Work Wrap	250 sq ft.	\$ 20/sq ft.	\$ 5000
		<b>Total</b>	<b>\$ 5462</b>

Estimated costs are based on local, current prevailing wages and do not include costs for planning, permitting, specification development, contractor oversight or air monitoring.

If any additional suspect materials are encountered during the demolition process, 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. 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 Reutilization Corporation. 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 Reutilization Corporation, 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.

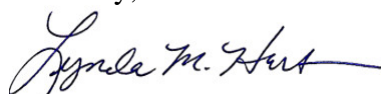
Recommendations are based on the professional judgment of the inspector and the results of the samples collected and analyzed. Hart Environmental Resources makes no warranty, expressed or implied, and accepts no liability for the presence or absence of asbestos or other hazardous materials in or on building 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 Reutilization Corporation 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,



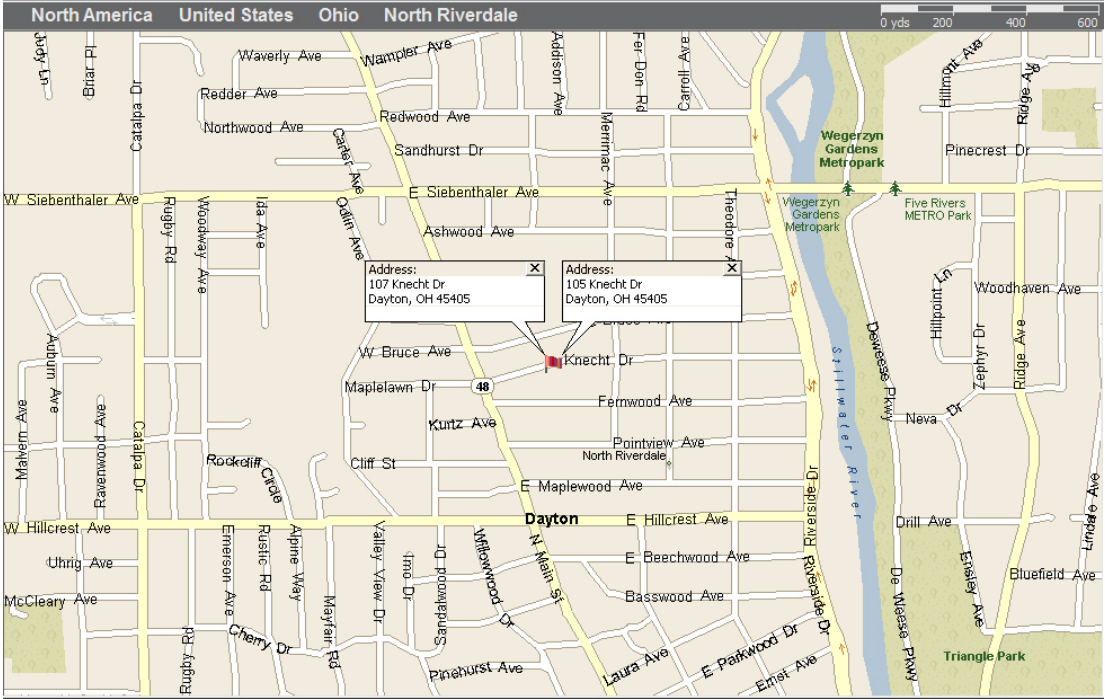
Lynda M. Hart, REM  
President

*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**



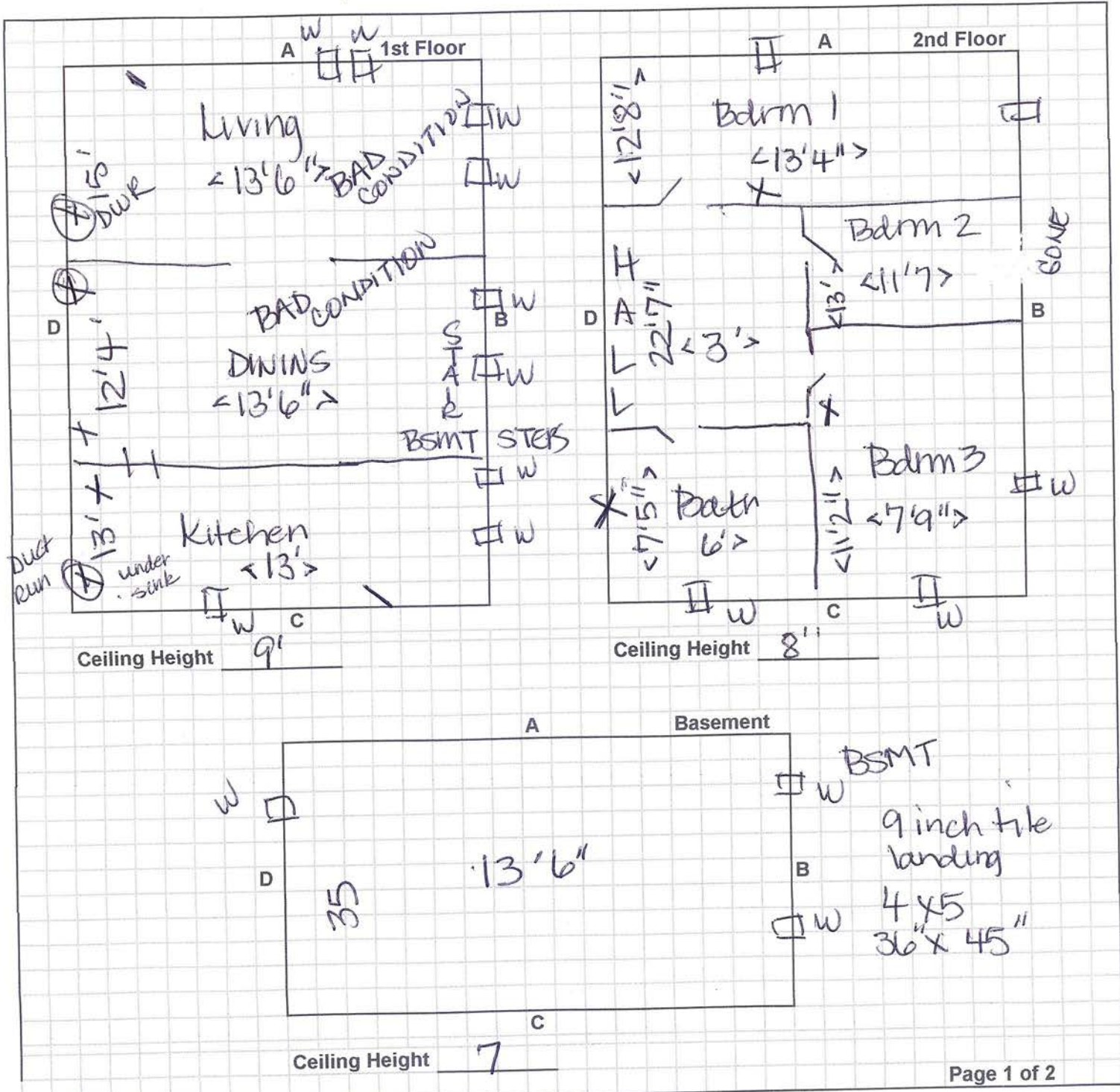
**ATTACHMENT 2**

**SITE INSPECTION WORK SHEET**

Site 105 Knecht City Dayton State OH Zip \_\_\_\_\_

Structure

Levels: 1 \_\_\_\_\_ 2  3 \_\_\_\_\_ Other \_\_\_\_\_ Foundation: Slab \_\_\_\_\_ Crawl \_\_\_\_\_ Basement   
 Exterior: Wood \_\_\_\_\_ Vinyl  Aluminum \_\_\_\_\_ Transite \_\_\_\_\_ Brick \_\_\_\_\_ Other \_\_\_\_\_  
 Over Wood Tapping  
 Interior Walls: Drywall \_\_\_\_\_ Plaster  Paneling \_\_\_\_\_ Other \_\_\_\_\_  
 Flooring: Linoleum/Vinyl 9" tile kitchen Linoleum/Vinyl \_\_\_\_\_ Linoleum/Vinyl \_\_\_\_\_  
 Windows: Wood  Vinyl \_\_\_\_\_ Metal \_\_\_\_\_ Other \_\_\_\_\_ Number of Windows \_\_\_\_\_  
 Heating: GFA \_\_\_\_\_ Hot Water \_\_\_\_\_ Other \_\_\_\_\_ Ductwork Wrap  / No Seam Tape Yes /  No  
 Roofing: Asphalt Shingles  Transite Shingles \_\_\_\_\_ Metal \_\_\_\_\_ Other \_\_\_\_\_





Site 107 Knecht

City Dayton

State OH

Zip \_\_\_\_\_

Structure

Levels: 1 \_\_\_\_\_ 2  3 \_\_\_\_\_ Other \_\_\_\_\_ Foundation: Slab \_\_\_\_\_ Crawl \_\_\_\_\_ Basement

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

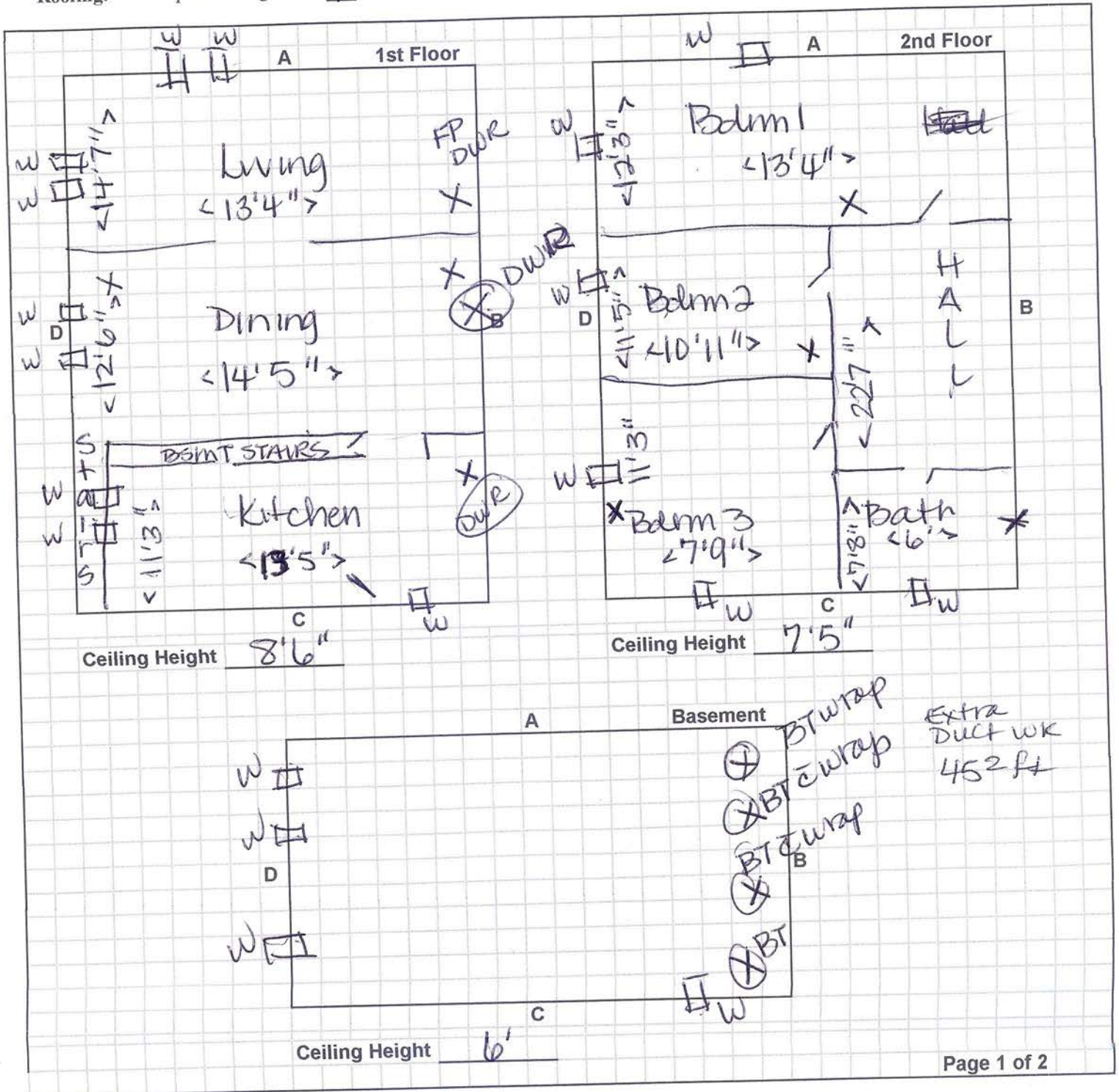
Interior Walls: Drywall  Plaster  Paneling \_\_\_\_\_ Other \_\_\_\_\_

Flooring: Linoleum/Vinyl Kitchen SA Linoleum/Vinyl \_\_\_\_\_ Linoleum/Vinyl \_\_\_\_\_  
 Number of Windows 19

Windows: Wood  Vinyl \_\_\_\_\_ Metal \_\_\_\_\_ Other \_\_\_\_\_ Ductwork Wrap  / No Seam Tape Yes  No

Heating: GFA  Hot Water \_\_\_\_\_ Other \_\_\_\_\_

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





**ATTACHMENT 3**  
**PHOTOGRAPHS**



Photo 1: Tile(105K-1) Kitchen, Floor.  
3% Chrysotile Asbestos Detected (PC=2.50%).



Photo 2: Tile (105K-2) Kitchen, Floor.  
3% Chrysotile Asbestos Detected (PC=3.50%).



Photo 3: Furnace Board (105K-3) Basement.  
68% Chrysotile Asbestos Detected.



Photo 4: Plaster (105K-4) Kitchen, Wall A.  
Trace <1% Chrysotile Asbestos Detected (PC=<0.25%).



Photo 5: Window Glazing (105K-5) Kitchen, Wall B.  
No Asbestos Detected.



Photo 6: Plaster (105K-6) Dining Room, Wall D.  
Trace <1% Chrysotile Asbestos Detected (PC=<0.25%).



Photo 7: Duct Work Wrap (105K-7) Dining Room  
65% Chrysotile Asbestos Detected.



Photo 8: Plaster (105K-8) Bedroom 3 Closet, Wall B.  
Trace <1% Chrysotile Asbestos Detected (PC=<0.25%).

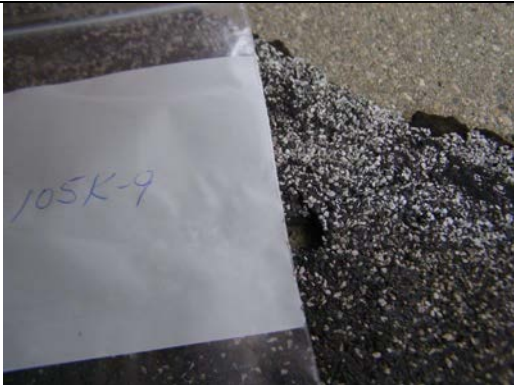


Photo 9: Roof Shingle (105K-9) Exterior.  
No Asbestos Detected.



Photo 10: Plaster (107K-1) Dining Room, Wall B.  
Trace <1% Chrysotile Asbestos Detected (PC=0.50%).



Photo 11: Duct Work Wrap (107K-2) Dining Room,  
Wall B. 65% Chrysotile Asbestos Detected.



Photo 12: Plaster (107K-3) Living Room, Wall D.  
Trace <1% Chrysotile Asbestos Detected (PC=0.25%).



Photo 13: Window Glazing (107K-4) Living Room, Wall A. No Asbestos Detected.



Photo 14: Duct Work Wrap (107K-5) Basement, Ceiling. 65% Chrysotile Asbestos Detected.



Photo 15: Plaster (107K-7) Bedroom 2, Wall B. Trace <1% Chrysotile Asbestos Detected PC=<0.25%).



Photo 16: Roof Shingle (107K-8) Exterior. No Asbestos Detected.



Photo 17: Interior view of 105 Knecht Dr.

**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: 15-10-03673

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

Received Date: 10/28/2015  
Analyzed Date: 10/28/2015  
Reported Date: 10/29/2015

Project/Test Address: City of Dayton; 105-107 Knecht

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
15-10-03673-001A	105K-1	Tile	Brown Vinyl-Like; Homogeneous	3% Chrysotile	97% Non-Fibrous
				Total Asbestos: 3%	
15-10-03673-001B	105K-1	Mastic	Black Adhesive; Homogeneous	NAD	1% Cellulose 99% Non-Fibrous
15-10-03673-002A	105K-2	Tile	Brown Vinyl-Like; Homogeneous	3% Chrysotile	97% Non-Fibrous
				Total Asbestos: 3%	
15-10-03673-002B	105K-2	Mastic	Black Adhesive; Homogeneous	Trace <1% Chrysotile	1% Cellulose 99% Non-Fibrous
				Total Asbestos: Trace <1%	
Possible contamination from tile. Insufficient quantity of mastic present for point count analysis.					
15-10-03673-003	105K-3		Beige Fibrous; Homogeneous	68% Chrysotile	32% Non-Fibrous
				Total Asbestos: 68%	

# Environmental Hazards Services, L.L.C

Client Number: 36-5620

Report Number: 15-10-03673

Project/Test Address: City of Dayton; 105-107 Knecht

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-10-03673-004	105K-4		Beige/White Granular; White to Beige Brittle; White/Green Paint-Like; Inhomogeneous	Trace <1% Chrysotile	2% Hair 98% Non-Fibrous
				Total Asbestos: Trace <1%	
<1% chrysotile present in base coat material.					
15-10-03673-005	105K-5		Tan Brittle; Black/Green Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
15-10-03673-006	105K-6		Beige Granular; White Brittle; Inhomogeneous	Trace <1% Chrysotile	2% Hair 98% Non-Fibrous
				Total Asbestos: Trace <1%	
<1% chrysotile present in the base coat material.					
15-10-03673-007	105K-7		White-Gray Fibrous; Homogeneous	65% Chrysotile	2% Cellulose 33% Non-Fibrous
				Total Asbestos: 65%	
15-10-03673-008	105K-8		Beige Granular; Off-White Brittle; Inhomogeneous	Trace <1% Chrysotile	1% Hair 99% Non-Fibrous
				Total Asbestos: Trace <1%	
<1% chrysotile present in the base coat material.					
15-10-03673-009	105K-9		Black Tar-Like; Fibrous; White Aggregate; Inhomogeneous	NAD	25% Cellulose 75% Non-Fibrous
15-10-03673-010	107K-1		Beige Granular; White Brittle; Paint-Like; Inhomogeneous	Trace <1% Chrysotile	1% Hair 99% Non-Fibrous
				Total Asbestos: Trace <1%	
<1% chrysotile present in the base coat material.					

# Environmental Hazards Services, L.L.C

Client Number: 36-5620

Report Number: 15-10-03673

Project/Test Address: City of Dayton; 105-107 Knecht

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
15-10-03673-011	107K-2		Beige Fibrous; Yellow Brittle; Inhomogeneous	65% Chrysotile	5% Cellulose 30% Non-Fibrous
				Total Asbestos: 65%	
Chrysotile present throughout.					
15-10-03673-012	107K-3		Beige Granular; White Brittle; Paint-Like; Inhomogeneous	Trace <1% Chrysotile	2% Hair 98% Non-Fibrous
				Total Asbestos: Trace <1%	
<1% chrysotile present in the base coat material.					
15-10-03673-013	107K-4		Beige Brittle; Black Paint-Like; Inhomogeneous	NAD	100% Non-Fibrous
15-10-03673-014	107K-5		White-Gray Fibrous; Homogeneous	65% Chrysotile	5% Cellulose 30% Non-Fibrous
				Total Asbestos: 65%	
15-10-03673-015	107K-6		Beige Granular; White Brittle; Blue Paint-Like; Inhomogeneous	Trace <1% Chrysotile	1% Hair 99% Non-Fibrous
				Total Asbestos: Trace <1%	
<1% chrysotile present in the base coat material.					
15-10-03673-016	107K-7		Beige Granular; White Brittle; Green Paint-Like; Inhomogeneous	Trace <1% Chrysotile	2% Hair 98% Non-Fibrous
				Total Asbestos: Trace <1%	
<1% chrysotile present in the base coat material.					
15-10-03673-017	107K-8		Black Tar-Like; Fibrous; White Aggregate; Inhomogeneous	NAD	25% Cellulose 75% Non-Fibrous

# Environmental Hazards Services, L.L.C

Client Number: 36-5620  
Project/Test Address: City of Dayton; 105-107 Knecht

Report Number: 15-10-03673

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
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QC Sample: 76-M22013-1  
QC Blank: SRM 1866 Fiberglass  
Reporting Limit: 1% Asbestos  
Method: EPA Method 600/R-93/116, EPA Method 600/M4-82-020  
Analyst: Michelle Swift



Reviewed By Authorized Signatory:

Tasha Eaddy  
QA/QC Clerk

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 VELAP 460172. 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.

LEGEND: NAD = no asbestos detected



## Analyst Signature Page

Environmental Hazards Services, L.L.C.

7469 Whitepine Rd  
Richmond, VA 23237

Telephone: 800.347.4010

Report Number: 15-10-03673

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

Received Date: 10/28/2015  
Analyzed Date: 10/28/2015  
Reported Date: 10/29/2015

Client Number: 36-5620

Project/Test Address: City of Dayton; 105-107 Knecht

Analyst(s)

---

*Michelle Swift*

Michelle Swift

17 PLM

Company Name: Hart Environmental Resources  
 Address: 262 Hedge Dr.  
 City, State, Zip: Springfield, OH 45504  
 EHS Client Acct #: 36-5620 D  
 Phone #: (937) 325-8777 Fax #: (937) 324-0288  
 E-mail: hartenv@woh.rr.com

Date: 10/27/15  
 Contact Name: Lynda Hart  
 Sampler Name: Lynda Hart  
 Project #: 105-107 KUEZHT  
 Point count samples with Trace-5% asbestos  
 1 Day TAT  
 City of Dayton

Sample Number	Sample Date & Time	Asbestos					Lead					Other Metals (Specify metals b)			Indoor	Particulate: Total Nuisance (NIOSH 0500) _____ Respirable (NIOSH 0600) _____	Area (L) Area	Comments
		Bulk ID by PLM	(PCM) Fiber Count	PLM Point Count	PLM Gravimetric	TEM AHERA (Air)	TEM Chatfield (Bulk)	Air	Paint (%)	Paint (PPM)	Paint (mg/cm2)	Soil	Wipe* (See Note)	TCLP (Pb)				
105K-1	10/27/15	✓																Escalator - Kitchen
105K-2	11/20/15	✓																Escalator - Kitchen
105K-3		✓																Escalator - Bath - Bath
105K-4		✓																Plaster - Kitchen A
105K-5		✓																Window Grease - Kitchen B
105K-6		✓																Plaster - Dining D
105K-7		✓																Dustwork leave - Dining D
105K-8		✓																Plaster - Bath 3 D
105K-9		✓																Roof Siding - Bath
107K-1		✓																Plaster - Dining B
107K-2		✓																Dustwork leave - Dining B
107K-3		✓																Plaster - Living D
107K-4		✓																Window Grease - Living A
107K-5		✓																Dustwork leave - Bath
107K-6		✓																Plaster - Bath 1 C
107K-7		✓																Plaster - Bath 2 B
107K-8		✓																Roof Siding - Bath

Released by: Lynda M. Hart  
 Signature: \_\_\_\_\_  
 Date/Time: 10/29/15 6pm

Received by: Johanna  
 Signature: \_\_\_\_\_  
 Date/Time: 10/28/15

15-10-03673  
 Due Date: 10/29/2015 (Thursday)  
 AE

MS



# Asbestos 400 Point Count Analysis Report

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

Telephone: 800.347.4010

Report Number: 15-10-03744

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

Received Date: 10/28/2015  
Analyzed Date: 10/28/2015  
Reported Date: 10/30/2015

Project/Test Address: City of Dayton; 105-107 Knecht; EHS# 15-10-03673

Client Number:  
36-5620

Fax Number:  
937-324-0288

## Laboratory Results

Lab Sample Number	Client Sample Number	Lab Gross Description	% Asbestos	Narrative ID
15-10-03744-001	105K-1 (Tile)	Brown Vinyl-Like	2.50 % Chrysotile	
15-10-03744-002	105K-2 (Tile)	Brown Vinyl-Like	3.50 % Chrysotile	
15-10-03744-003	105K-2 (Mastic)		Did Not Analyze: Quantity Not Sufficient	
15-10-03744-004	105K-4 (Base Coat)	Beige Granular	<0.25 % Chrysotile	A12
15-10-03744-005	105K-6 (Base Coat)	Beige Granular	<0.25 % Chrysotile	A12
15-10-03744-006	105K-8 (Base Coat)	Beige Granular	<0.25 % Chrysotile	A12
15-10-03744-007	107K-1 (Base Coat)	Beige Granular	0.50 % Chrysotile	
15-10-03744-008	107K-3 (Base Coat)	Beige Granular	0.25 % Chrysotile	
15-10-03744-009	107K-6 (Base Coat)	Beige Granular	<0.25 % Chrysotile	A12
15-10-03744-010	107K-7 (Base Coat)	Beige Granular	<0.25 % Chrysotile	A12

### Sample Narratives:

A12: Chrysotile fibers observed but did not fall under any counted points.

# Environmental Hazards Services, L.L.C

Client Number: 36-5620

Report Number: 15-10-03744

Project/Test Address: City of Dayton; 105-107 Knecht; EHS#  
15-10-03673

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Lab Sample Number	Client Sample Number	Lab Gross Description	% Asbestos	Narrative ID
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Reporting Limit: 0.25 % Asbestos

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

Analyst: Michelle Swift



Reviewed By Authorized Signatory:

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Tasha Eaddy  
QA/QC Clerk

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. 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 VELAP 460172.

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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

Report Number: 15-10-03744

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

Received Date: 10/28/2015  
Analyzed Date: 10/28/2015  
Reported Date: 10/30/2015

Client Number: 36-5620

Project/Test Address: City of Dayton; 105-107 Knecht; EHS# 15-10-03673

Analyst(s)

---

*Michelle Swift*

Michelle Swift



POINT COUNT REQUEST FORM

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

15-10-03744



Due Date:  
**10/30/2015**  
 (Friday)  
 AE

**Received Date:** 10/28/2015  
**Client #:** 36-5620  
**Company Name:** Hart Environmental Resources  
**Project/Test Address:** City of Dayton; 105-107 Knecht; EHS# 15-10-03673  
**Analysis Requested:** 400 P+Cr

Client Sample #	EHS Sample #	Sample Location and/or Comments
105K-1	1	
105K-2	2A	Tile
105K-2	2B	Mastil
105K-4	4	
105K-6	6	
105K-8	8	
107K-1	10	
107K-3	12	
107K-6	15	
107K-7	16	

Date Samples Received	Received By	Original Analyst	Date Analyzed	Date Request Received	Received By
10/28/15	Tarig	Michelle	10/28/15	10/28/15	Tarig

17 PLM

**ENVIRONMENTAL HAZARDS SERVICES, L.L.C.**

7469 Whitepine Rd., Richmond, VA 23237 (804) 275-4788 (804) 275-4907 FAX

**CHAIN OF CUSTODY FORM**

Company Name: Hart Environmental Resources  
 Address: 262 Hedge Dr. Springfield, OH 45504  
 City, State, Zip: Springfield, OH 45504  
 EHS Client Acct. #: 36-5620 D  
 Phone #: (937) 325-8777 Fax #: (937) 324-0288  
 E-mail: hartenv@woh.tr.com

Date: 10/27/15  
 Contact Name: Lynda Hart  
 Sampler Name: Lynda Hart  
 Project #: 105-107 KURT  
 1 Day TAT  
 Point count samples with Trace-5% asbestos  
 City of Dayton

Sample Number	Sample Date & Time	Asbestos					Lead					Other Metals (Specify metals b)			Indoor	Particulate: Total Nuisance (NIOSH 0500) _____ Respirable (NIOSH 0600) _____	Area (L)	Comments
		Bulk ID by PLM	(PCM) Fiber Count	PLM Point Count	PLM Gravimetric	TEM AHERA (Air)	TEM Chatfield (Bulk)	Air	Paint (%)	Paint (PPM)	Paint (mg/cm2)	Soil	Wipe* (See Note)	TCLP (Pb)				
105K-1	10/27/15	✓																Tile Elevator TIRE - Kitchen
105K-2	11/1/15	✓																Tile Elevator TIRE - Kitchen
105K-3		✓																Elevator TIRE - Basement
105K-4		✓																Elevator TIRE - Kitchen A
105K-5		✓																Windows Ceiling - Kitchen B
105K-6		✓																Roof Siding - Downside D
105K-7		✓																Downside - Downside B
105K-8		✓																Roof Siding - CRT
105K-9		✓																Roof Siding - Downside B
107K-1		✓																Downside - Living B
107K-2		✓																Downside - Living B
107K-3		✓																Downside - Living B
107K-4		✓																Downside - Living B
107K-5		✓																Downside - Living B
107K-6		✓																Downside - Living B
107K-7		✓																Downside - Living B
107K-8		✓																Downside - Living B
107K-9		✓																Downside - Living B

Released by: Lynda M. Hart  
 Received by: *T. Johnson*  
 Signature: *Lynda M. Hart*  
 Signature: *T. Johnson*  
 Date/Time: 10/27/15 6pm  
 Date/Time: 10/28/15

**ATTACHMENT 5**

**WORK ORDER**



# NEIGHBORHOOD IMPROVEMENT PROGRAM

**NOP #19**

October 6, 2015

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

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

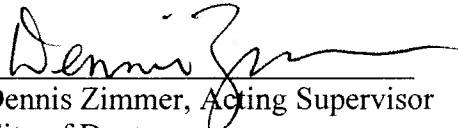
This Transmittal is **Notice of Possession #19** on the Montgomery County Land Reutilization Corporation contract dated January 29, 2015 for the performance of Asbestos Surveys/Post-Abatement Inspections on the properties listed herein.

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
1020 Cumberland	30485	Two-story over basement
1343 Everett	67327 Chadwick Hgts	One-story over slab
1915 Kensington	71721 pt vac alley	One-story over basement
2025 Kensington	71702 pt vac alley	One-story over basement
2033 Kensington	71700 pt vac alley	One-story over basement
2050 Kensington	71752	One-story over basement
2054 Kensington	71753	One-story over crawl (triplex)
105-107 Knecht	45831	Two-story over basement (duplex)
109-111 Knecht	45832	Two-story over basement (triplex)
1017 Shakespeare	61512 pt	One-story over basement
1424 Wesleyan	67007-08 pts	One-story over slab

This Notice of Possession becomes effective at 12:01 a.m. Eastern Standard Time in Ohio on **October 7, 2015** which is established as the beginning date of survey activities on these parcels. **Furthermore, the time for completion is 13 working days, or October 26, 2015.**

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