



# **HART ENVIRONMENTAL RESOURCES**

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

## **ASBESTOS INSPECTION REPORT**

**1932 Rugby Rd.  
Dayton, Ohio 45406**



### **PREPARED FOR:**

**Mr. Dennis Zimmer  
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  
January 17, 2012**

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# HART ENVIRONMENTAL RESOURCES

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

January 17, 2012

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

Re: Asbestos Inspection  
1932 Rugby Rd.  
Dayton, Ohio 45406

Dear Mr. Zimmer,

Hart Environmental Resources prepared this report, under contract with the City of Dayton, Ohio, for the asbestos inspection conducted at 1932 Rugby Rd., Dayton, OH. The inspection, conducted on January 9, 2012, 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 building, at 1932 Rugby Rd., 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, to be analyzed for asbestos content.

The home is a two-story, two-unit structure, with a below ground level. The exterior has been finished with transite shingles. The interior walls and ceilings are finished with drywall and plaster. Older, wood and metal windows have been installed in the home. A gas forced-air furnace, located in the basement, supplied heat to this side of the structure. The pitched roof is covered with bituminous, asphalt shingles.

Hart Environmental Resources identified twelve (12) suspect asbestos-containing materials in the accessible areas of the structure. The bituminous, asphalt shingles on the building and the kitchen and bathroom linoleum will be considered as asbestos-containing materials and were not sampled.

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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>
1932R-1 12-01-01409-001	26 Ln. Ft.	1	Duct Wrap In Wall, Living Room, Wall C	Friable	<b>60% Chrysotile Asbestos</b>
1932R-2 12-01-01409-002	-	2	Wall Plaster, Living Room, Wall B, homogeneous	Non-friable	<b>&lt;1% Chrysotile Asbestos (.25% Point Count)</b>
1932R-3 12-01-01409-003	-	1	Window Glazing, Living Room, Wall B, homogeneous	Non-friable	<b>&lt;1% Chrysotile Asbestos (.25% Point Count)</b>
1932R-4 12-01-01409-004	-	2	Drywall/JC, Dining Room, Wall C, homogeneous	Non-friable	None Detected
1932R-5 12-01-01409-005	-	2	Wall Plaster, Dining Room, Wall D, homogeneous	Non-friable	<b>&lt;1% Chrysotile Asbestos (.25% Point Count)</b>
1932R-6 12-01-01409-006	-	2	Wall Plaster, Kitchen, Wall D, homogeneous	Non-friable	None Detected
1932R-7 12-01-01409-007	-	2	Wall Plaster, Bathroom, Wall B, homogeneous	Non-friable	<b>&lt;1% Chrysotile Asbestos (.25% Point Count)</b>
1932R-8 12-01-01409-008	-	2	Wall Plaster, Bedroom 2, Wall A, homogeneous	Non-friable	<b>&lt;1% Chrysotile Asbestos (.25% Point Count)</b>
1932R-9 12-01-01409-009	-	2	Drywall/JC, Kitchen, Wall D, homogeneous	Non-friable	None Detected
1932R-10 12-01-01409-010	-	2	Drywall/JC, Dining Room, Wall C, homogeneous	Non-friable	None Detected
1932R-11 12-01-01409-011	80 Ln. Ft.	1	Duct Wrap, Basement	Friable	<b>60% Chrysotile Asbestos</b>
1932R-12 12-01-01409-012	64 Ln. Ft.	1	Ductwork Seam Tape, Basement	Friable	<b>70% Chrysotile Asbestos</b>
Not Sampled	188 Sq. Ft.	1	Linoleum, Kitchen And Bathroom	Non-friable	<b>Assumed Cat. I Non-Friable</b>
Not Sampled	2612 Sq. Ft.	1	Bituminous Asphalt Roofing Shingles, Structure	Non-friable	<b>Assumed Cat. I Non-Friable</b>

## Discussion and Recommendations

Twelve (12) bulk samples of suspect asbestos-containing materials were collected in the accessible areas of the structure. Samples of the bituminous asphalt shingles, on the building, and the linoleum, in the kitchen and bathroom, were not collected and will, therefore, be considered as Category I Non-Friable asbestos-containing materials. 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 buildings. The analytical results found the following items to contain 1% or greater asbestos fibers:

- Grey, fibrous duct wrap insulation in Walls
- Grey, fibrous duct wrap, Basement
- Grey, fibrous ductwork seam tape, Basement

There was also a small amount of ground debris in the basement. Other sampled suspect materials were found to contain no asbestos and no regulatory requirements apply to these materials.

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, Douglas E. Hart, #ES35377, 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>
Grey, fibrous ductwork insulation	26 Ln. Ft.	\$20/Ln. Ft.	\$ 520
Grey, fibrous duct wrap	80 Ln. Ft.	\$20/Ln. Ft.	\$ 1,600
Grey, fibrous duct wrap seam tape	64 Ln. Ft.	\$20/Ln. Ft.	\$ 1,280
Ground debris, basement	100 Sq. Ft.	\$20/Sq. Ft.	\$ 2,000
			<b>Total \$ 5,400</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.

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 option, 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 City of Dayton. 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 City of Dayton, 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 City of Dayton 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

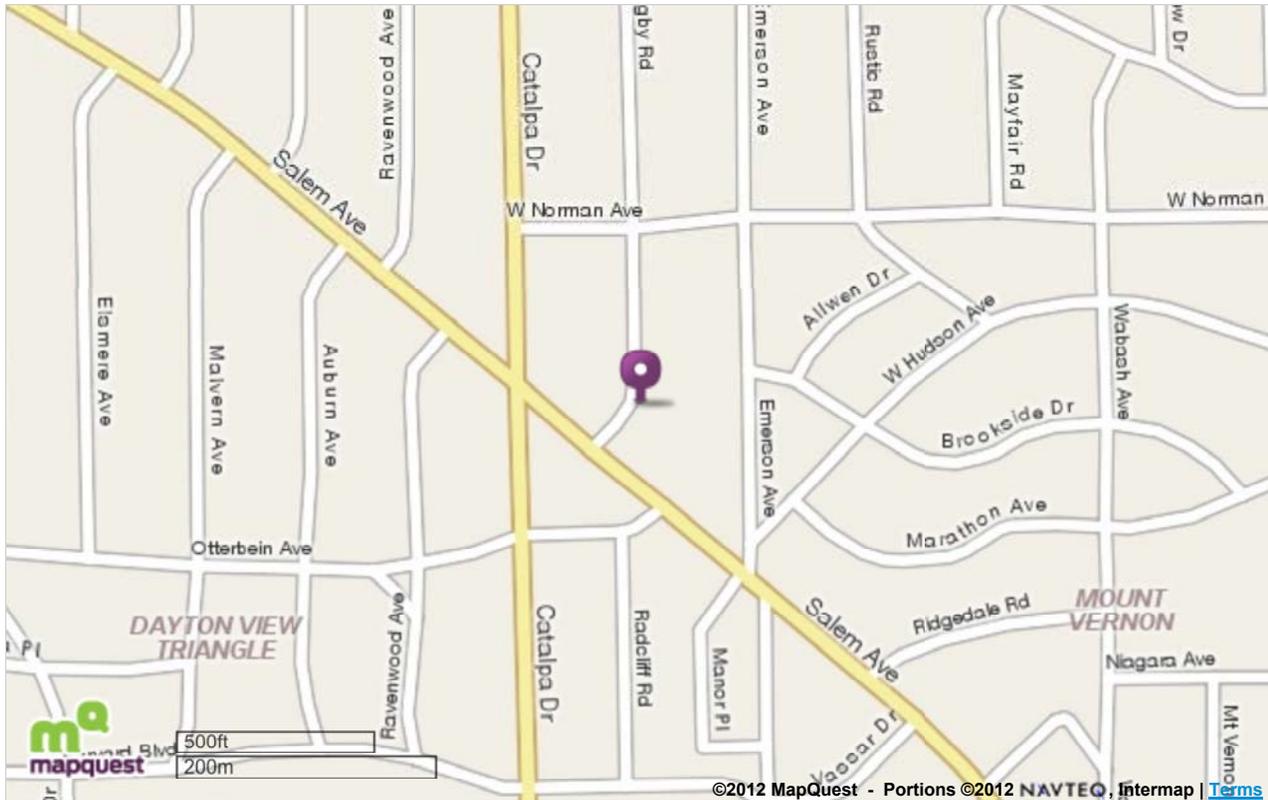
**ATTACHMENT 1**  
**SITE LOCATION MAP**



Map of:  
**1930-1932 Rugby Rd**  
Dayton, OH 45406-5603

Notes

Mr. Dennis Zimmer  
City of Dayton  
Building Services  
Nuisance Abatement & Rehabilitation Supervisor  
371 W. 2nd St., Room 324  
Dayton, OH 45402



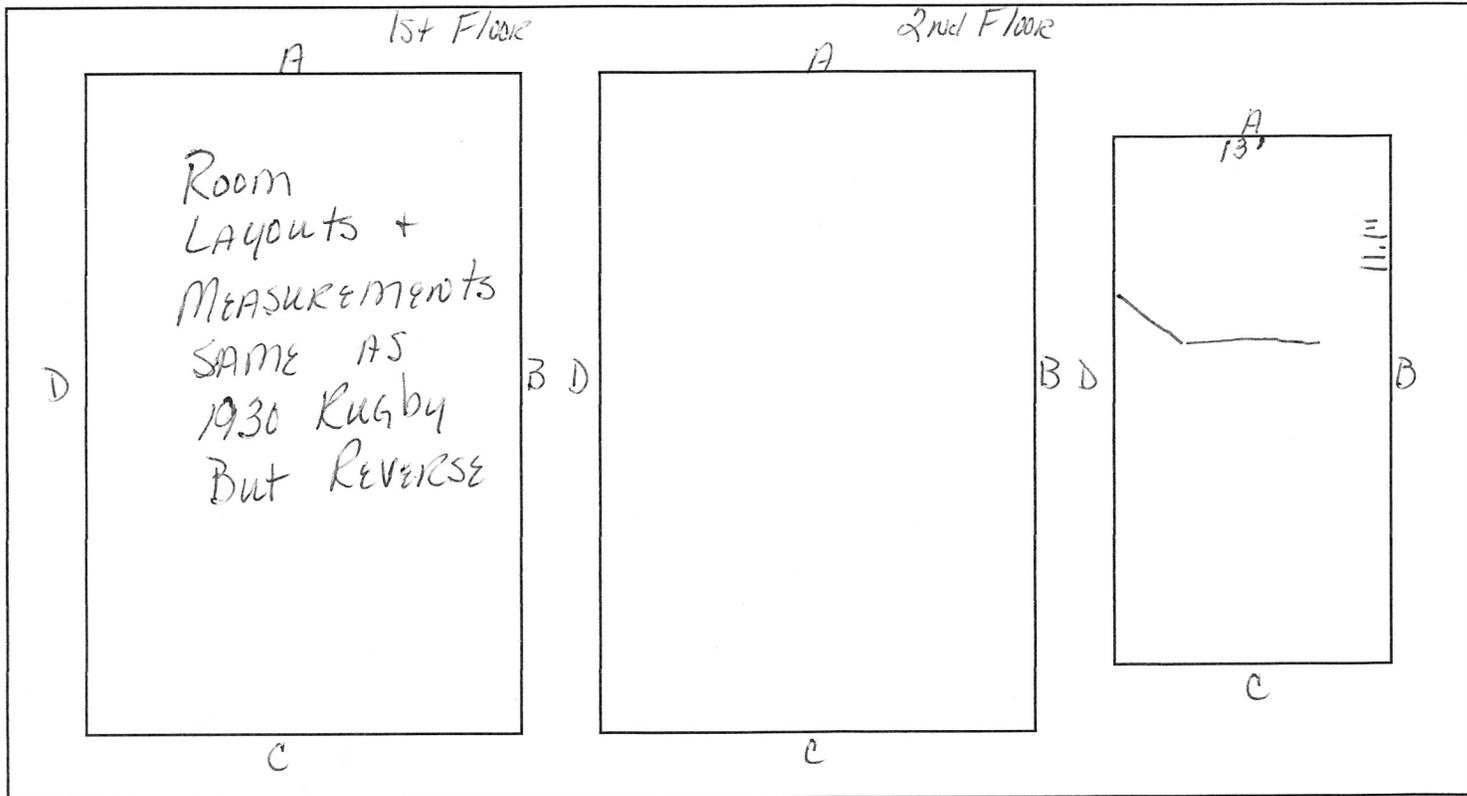
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**ATTACHMENT 2**  
**SITE INSPECTION WORK SHEET**

Site 1932 Rugby City Dayton State OH Zip \_\_\_\_\_

Structure

Levels: 1 \_\_\_ 2  3 \_\_\_ Other \_\_\_\_\_ Foundation: Slab \_\_\_ Crawl \_\_\_ Basement \_\_\_  
 Exterior: Wood \_\_\_ Vinyl \_\_\_ Aluminum \_\_\_ Transite  Brick \_\_\_ Other \_\_\_\_\_  
 Interior Walls: Drywall  Plaster \_\_\_ Other \_\_\_\_\_  
 Windows: Wood  Vinyl \_\_\_ Metal  Other \_\_\_\_\_ Number of Windows 16 wood / 2 metal  
 Roofing: Asphalt Shingles  Transite Shingles \_\_\_ Metal \_\_\_ Other \_\_\_\_\_



Sample #	Material & Location	Qty	Sample #	Material & Location	Qty
1932R-1	Ductwork - Living - C	_____	_____	Ductwork in Walls	_____
1932R-2	Plaster - Living - B	_____	_____	Living Room	10 LNFt
1932R-3	Window Glazing - Living - B	_____	_____	Kitchen	16 LNFt
1932R-4	Drywall - Dining - C	_____	_____	_____	_____
1932R-5	Plaster - Dining - D	_____	_____	_____	_____
1932R-6	Plaster - Kitchen - D	_____	_____	Ground Debris	100 sq ft.
1932R-7	Plaster - Bathroom - B	_____	_____	_____	_____
1932R-8	Plaster - Bedroom 2 - A	_____	_____	_____	_____
1932R-9	Drywall - Kitchen - D	_____	_____	_____	_____
1932R-10	Drywall - Dining - C	_____	_____	_____	_____
1932R-11	Ductwrap - Basement	80 LNFt	_____	_____	_____
1932R-12	Ductwrap Seals Tape	44 LNFt	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

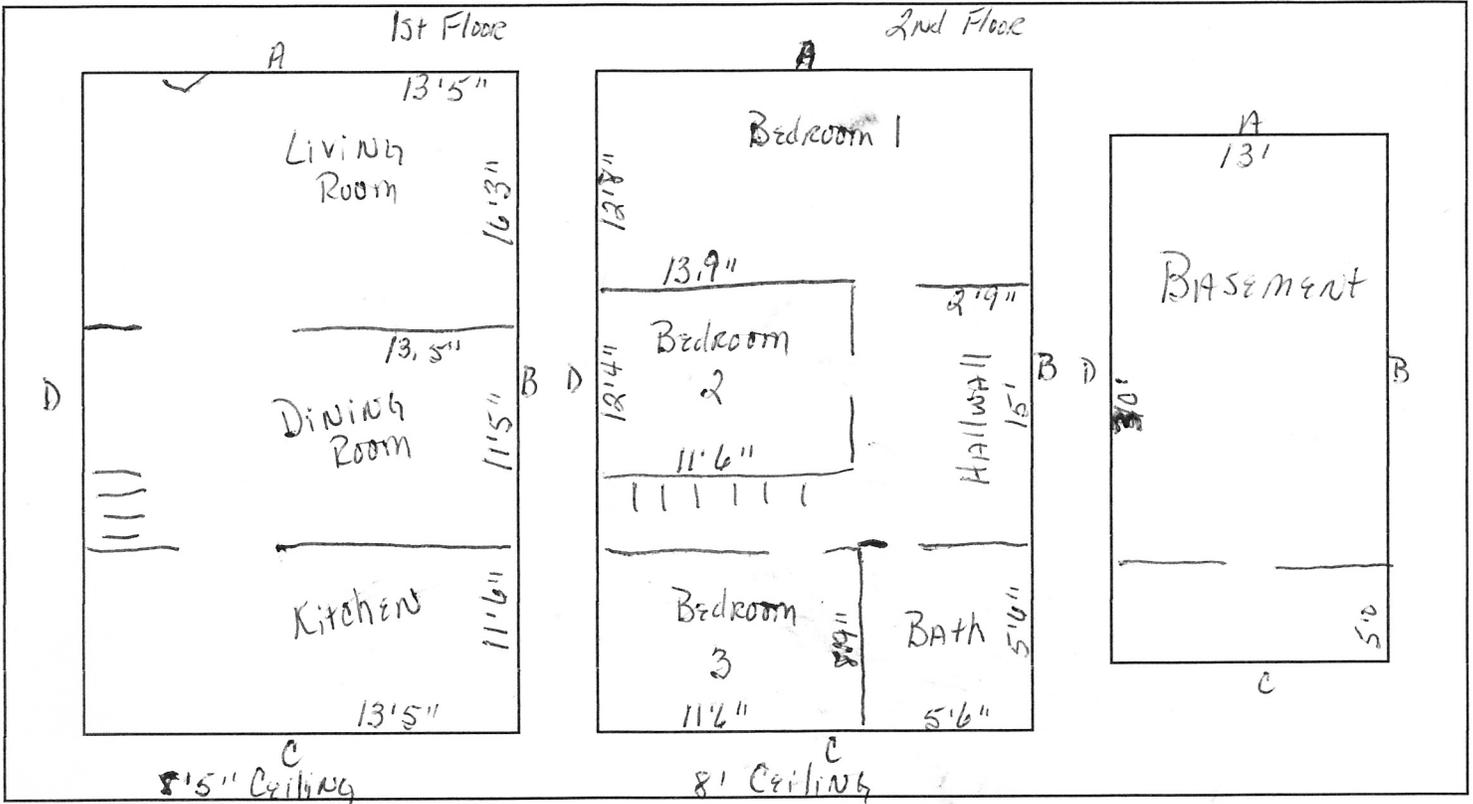
Notes: GFA in Basement  
Linoleum Kitchen + Bathroom

Inspector Doug Hart Certification # ES-35377 Date 11/9/12

Site 1930 Rugby City Dayton State OH Zip \_\_\_\_\_

Structure

Levels: 1 \_\_\_ 2  3 \_\_\_ Other \_\_\_\_\_ Foundation: Slab \_\_\_ Crawl \_\_\_ Basement   
 Exterior: Wood \_\_\_ Vinyl \_\_\_ Aluminum \_\_\_ Transite  Brick \_\_\_ Other \_\_\_\_\_  
 Interior Walls: Drywall \_\_\_ Plaster \_\_\_ Other \_\_\_\_\_  
 Windows: Wood  Vinyl \_\_\_ Metal  Other \_\_\_\_\_ Number of Windows 16 wood  
 Roofing: Asphalt Shingles  Transite Shingles \_\_\_ Metal \_\_\_ Other \_\_\_\_\_ 2 metal



Sample #	Material & Location	Qty	Sample #	Material & Location	Qty
1930R-1	Transite Siding - D			Ductwork in Walls	
1930R-2	Window Glazing - Living - A			Kitchen	16 Lw Ft
1930R-3	Plaster - Living - D			Living Room	10 Lw Ft
1930R-5	Ductwrap - Living - C				
1930R-4	Plaster - Dining - C				
1930R-6	Drywall/SC - Kitchen - B				
1930R-7	Plaster - Bedroom 3 - C		1930R-15	Furnace Bored	6 Sq. Ft.
1930R-8	Plaster - Bedroom 1 - B			Grown Debris	320 Sq Ft
1930R-9	Plaster - Bathroom - D				
1930R-10	Wall Insulation - Hallway Up B				
1930R-11	Drywall/SC - Kitchen Ceiling				
1930R-12	Drywall/SC - Kitchen - B				
1930R-13	Ductwrap - Pipes	80 Lw Ft			
1930R-14	Seam Tape - Basement	48 Lw Ft			

Notes: GARAGE - Transite Siding, Asphalt Shingles 20' x 20'  
GAS DOWNDRAFT FURNACE - Basement Linoleum - Bathroom + Kitchen

Inspector Doug Hart Certification # ES-35377 Date 1/9/12

**ATTACHMENT 3**  
**PHOTOGRAPHS**



**Photo 1: Duct Wrap In Wall (1932R-1) Living Room. 70% Chrysotile Asbestos Detected.**



**Photo 2: Wall Plaster (1932R-2) Living Room. <1% Chrysotile Asbestos Detected (.25% Point Count).**



**Photo 3: Window Glazing (1932R-3) Living Room. <1% Chrysotile Asbestos (.25% Point Count).**



**Photo 4: Drywall/JC (1932R-4) Dining Room. No Asbestos Detected.**



**Photo 5: Wall Plaster (1932R-5) Dining Room. <1% Chrysotile Asbestos Detected (.25% Point Count).**



**Photo 6: Wall Plaster (1932R-6) Kitchen. No Asbestos Detected.**



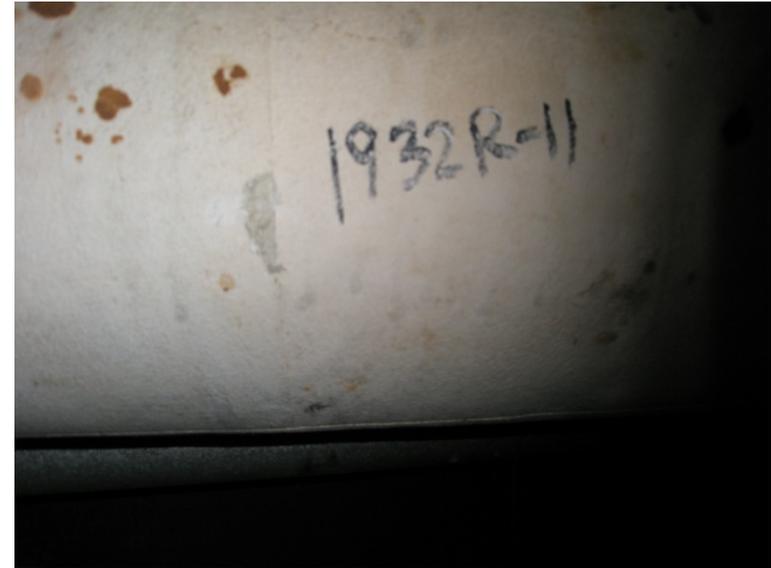
**Photo 7: Wall Plaster (1932R-8) Bedroom 2. <1% Chrysotile Asbestos Detected (.25% Point Count).**



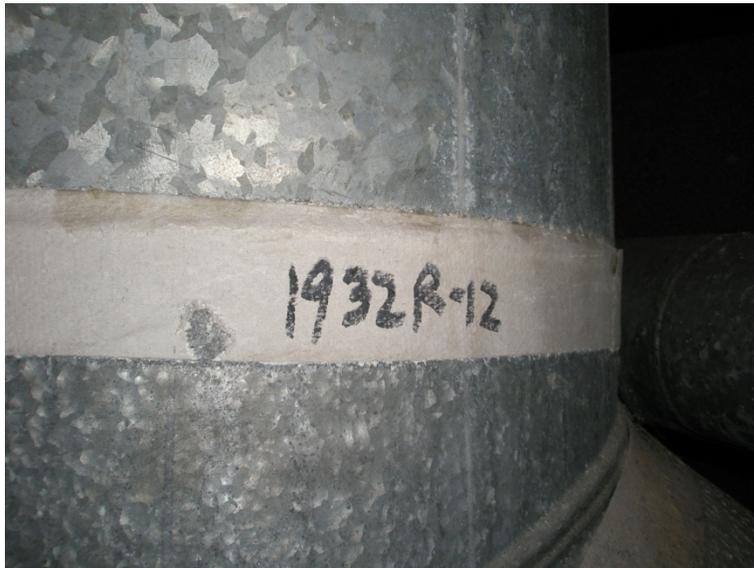
**Photo 8: Drywall/JC (1932R-9) Kitchen. No Asbestos Detected.**



**Photo 9: Drywall/JC (1932R-10) Dining Room. No Asbestos Detected.**



**Photo 10: Duct Wrap (1932R-11) Basement. 60% Chrysotile Asbestos Detected.**



**Photo 11: Ductwork Seam Tape (1932R-12) Basement. 70% Chrysotile Asbestos Detected.**



**Photo 12: Ground Debris, Basement.**

**ATTACHMENT 4**  
**LABORATORY RESULTS**



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

## Asbestos Bulk Analysis Report

Report Number: 12-01-01409

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

Received Date: 01/13/2012  
 Analyzed Date: 01/13/2012  
 Reported Date: 01/16/2012

Project/Test Address: City of Dayton;1932 Rugby

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
12-01-01409-001	1932R-1	--	Gray Fib.	70% Chrysotile	20% Cellulose 10% Non-Fibrous
				Total Asbestos: 70%	
12-01-01409-002	1932R-2	--	White/Tan Gran.	Trace <1% Chrysotile	1% Hair 99% Non-Fibrous
				Total Asbestos: Trace <1%	
<1% Chrysotile present in tan base coat.					
12-01-01409-003	1932R-3	--	Tan Brittle	Trace <1% Chrysotile	100% Non-Fibrous
				Total Asbestos: Trace <1%	
12-01-01409-004	1932R-4	--	White Gran.; Powder; White/Tan Fib.	NAD	10% Cellulose 10% Fibrous Glass 80% Non-Fibrous
12-01-01409-005	1932R-5	--	White/Tan Gran.	Trace <1% Chrysotile	4% Hair 96% Non-Fibrous
				Total Asbestos: Trace <1%	
<1% Chrysotile present in tan base coat.					
12-01-01409-006	1932R-6	--	White/Pale Gray Gran.	NAD	100% Non-Fibrous

## Environmental Hazards Services, L.L.C

Client Number: 36-5620

Report Number: 12-01-01409

Project/Test Address: City of Dayton;1932 Rugby

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
12-01-01409-007	1932R-7	--	White/Tan Gran.	Trace <1% Chrysotile	2% Hair 98% Non-Fibrous
				Total Asbestos: Trace <1%	
<1% Chrysotile present in tan base coat.					
12-01-01409-008	1932R-8	--	Green/White/Tan Gran.	Trace <1% Chrysotile	2% Hair 98% Non-Fibrous
				Total Asbestos: Trace <1%	
<1% Chrysotile present in tan base coat.					
12-01-01409-009	1932R-9	--	White/Pale Gray Gran.	NAD	100% Non-Fibrous
12-01-01409-010	1932R-10	--	White Gran.; Powder; White/Tan Fib.	NAD	10% Cellulose 8% Fibrous Glass 82% Non-Fibrous
12-01-01409-011	1932R-11	--	Gray Fib.	60% Chrysotile	25% Cellulose 15% Non-Fibrous
				Total Asbestos: 60%	
12-01-01409-012	1932R-12	--	Gray Fib.	70% Chrysotile	15% Cellulose 15% Non-Fibrous
				Total Asbestos: 70%	

# Environmental Hazards Services, L.L.C

Client Number: 36-5620  
Project/Test Address: City of Dayton;1932 Rugby

Report Number: 12-01-01409

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
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QC Sample: 7-M1-1991-3  
QC Blank: SRM 1866 Fiberglass  
Reporting Limit: 1% Asbestos  
Method: EPA Method 600/R-93/116  
Analyst: Vickie Holmes



Reviewed By Authorized Signatory: \_\_\_\_\_

Julie Dickerson  
Laboratory Administrator

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. 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.

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

LEGEND: NAD = no asbestos detected

ADLM

# CHAIN OF CUSTODY FORM

## ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

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

Company Name: Hart Environmental Resources  
 Address: 262 Hedge Dr. Springfield, OH 45504  
 City, State, Zip: 36-5620 D  
 EHS Client Acct. #: (937) 325-8777 Fax #: (937) 324-0288  
 Phone #: hartenv@woh.rr.com  
 Date: JAN. 9 2012  
 Contact Name: Doug Hart  
 Sampler Name: Doug Hart  
 Project #: CITY of DAYTON 1932 RUGBY  
1 Day TAT

### Point count samples with Trace-5% asbestos

Sample Number	Sample Date & Time	Asbestos					Lead				Other Metals (Specify metals below)				Air Quality				Air Volume (L) OR Wipe Area (INCHES)	Comments		
		(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)	Waste Water	TCLP RCRA 8	Welding Fume	Toxic Metal Profile	Biocassette			Slide	Surface Swab
1932R-1	JAN. 9 2012	X	X	X	X	X																DUGWICK IN WALL LDV. RM. C
1932R-2		X	X	X	X	X																WALL PLASTER LDV. RM. B
1932R-3		X	X	X	X	X																WINDOW GLAZING LDV. R. B
1932R-4		X	X	X	X	X																DRYWALL TJC DIN. RM. C
1932R-5		X	X	X	X	X																WALL PLASTER DEN. RM. D
1932R-6		X	X	X	X	X																WALL PLASTER KIT. D
1932R-7		X	X	X	X	X																WALL PLASTER BATH B
1932R-8		X	X	X	X	X																WALL PLASTER BD. RM. 2
1932R-9		X	X	X	X	X																DRYWALL TJC KIT D
1932R-10		X	X	X	X	X																DRYWALL TJC DEN. RM. C
1932R-11		X	X	X	X	X																DUCT WRAP BASEMENT
1932R-12	JAN 9 2012	X	X	X	X	X																DUCT SEAM TAPE '1

12-01-01409



Due Date: 01/16/2012 (Monday) AE

Released by: Doug Hart Signature: Doug Hart Date/Time: JAN. 12  
 Received by: KIVLER Signature: [Signature] Date/Time: 1/13



# Asbestos 400 Point Count Analysis Report

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

Report Number: 12-01-01499

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

Received Date: 01/13/2012  
Analyzed Date: 01/13/2012  
Reported Date: 01/16/2012

Project/Test Address: City of Dayton;1932 Rugby; EHS# 12-01-01409

Client Number:  
36-5620

Fax Number:  
937-324-0288

## Laboratory Results

Lab Sample Number	Client Sample Number	Lab Gross Description	% Asbestos	Narrative ID
12-01-01499-001	1932R-2 (Basecoat)	Tan Gran.	0.25 % Chrysotile	
12-01-01499-002	1932R-3	Tan Brittle	0.25 % Chrysotile	
12-01-01499-003	1932R-5 (Basecoat)	Tan Gran.	<0.25 % Chrysotile	A12
12-01-01499-004	1932R-7 (Basecoat)	Tan Gran.	0.25 % Chrysotile	
12-01-01499-005	1932R-8 (Basecoat)	Tan Gran.	0.25 % Chrysotile	

### 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: 12-01-01499

Project/Test Address: City of Dayton; 1932 Rugby; EHS# 12-01-01409

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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

Analyst: Vickie Holmes



Reviewed By Authorized Signatory:

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Julie Dickerson  
Laboratory Administrator

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.

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LEGEND      NAD = No Asbestos Detected

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**POINT COUNT REQUEST FORM**

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

12-01-01499



Due Date:  
 01/16/2012  
 (Monday)  
 AE

Received Date: 01/16/2012  
 Client #: 36-5620  
 Company Name: Hart Environmental Resources  
 Project/Test Address: City of Dayton; 1932 Rugby; EHS# 12-01-01409  
 Analysis Requested: 400 point count

Client Sample #	EHS Sample #	Sample Location and/or Comments
1932R-2	12-01-01409-002	
1932R-3	12-01-01409-003	
1932R-5	12-01-01409-005	
1932R-7	12-01-01409-007	
1932R-8	12-01-01409-008	

Date Samples Received	Received By	Original Analyst	Date Analyzed	Date Request Received	Received By
1/13/12	Kathy T.	Vickie	1/13/12	1/16/12	Theresa

12PLM

# CHAIN OF CUSTODY FORM

**ENVIRONMENTAL HAZARDS SERVICES, L.L.C.**  
 7469 Whitepine Rd., Richmond, VA 23237 (804) 275-4788 (804) 275-4907 FAX

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.rr.com

Date: JAN. 9 2012  
 Contact Name: Doug Hart  
 Sampler Name: Doug Hart  
 Project #: CITY of DAYTON 1932 RUBY  
1 DAY TAT

**Point count samples with Trace-5% asbestos**

Sample Number	Sample Date & Time	Asbestos				Lead				Other Metals (Specify metals below)				Indoor Air Quality				Particulate: Total Nuisance (NIOSH 0500) Respirable (NIOSH 0600)	Comments				
		(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)	Waste Water	TCLP RCRA 8	Welding Fume	Toxic Metal Profile			Biocassette	Slide	Surface Swab	Surface Tape
1932R-1	JAN. 9 2012	X	X	X	X	X																	DUCTWORK IN WALL LDV. Pm. 10
1932R-2		X	X	X	X	X																	WALL PLASTER LDV. Pm. 10
1932R-3		X	X	X	X	X																	WINDOW GLAZING LDV. Pm. 10
1932R-4		X	X	X	X	X																	DRYWALL TIE DN. Pm. 10
1932R-5		X	X	X	X	X																	WALL PLASTER DN. Pm. 10
1932R-6		X	X	X	X	X																	WALL PLASTER KET. D
1932R-7		X	X	X	X	X																	WALL PLASTER BATH B
1932R-8		X	X	X	X	X																	WALL PLASTER BD. Pm. 10
1932R-9		X	X	X	X	X																	DRYWALL TIE KET. D
1932R-10		X	X	X	X	X																	DRYWALL TIE DN. Pm. 10
1932R-11		X	X	X	X	X																	DUCT WRAP BASEMENT
1932R-12	JAN. 9 2012	X	X	X	X	X																	DUCT SEAM TAPE
	2:01 PM																						

12-01-01409



Due Date:  
 01/16/2012  
 (Monday)  
 AE

Released by: Doug Hart Signature: Doug Hart Date/Time: JAN. 12

Received by: K. TULEK Signature: [Signature] Date/Time: 1/13

**ATTACHMENT 5**  
**WORK ORDER**



## NUISANCE ABATEMENT NOTICE OF POSSESSION

**NOP # 22**

**Date: December 31, 2011**

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

CT10-5028

Subject: NEIGHBORHOOD STABILIZATION PROGRAM - NUISANCE ABATEMENT  
ASBESTOS SURVEY PROJECT I RESIDENTIAL FEDERAL 2010

This Transmittal is **Notice of Possession # 22** for the performance of asbestos surveys on the properties listed herein.

A Notice of Possession under this agreement hereby gives you possession of the entire parcel(s) including the structures and all contents for the purpose of performance of asbestos surveys.

ADDRESS	LOT#	TYPE	AMOUNT
20 Leroy	12824pt	Two Story/Basement	310
1923 Rugby	44791pt	Two Story/Basement	310
1930-32 Rugby	44796	Two Story/Basement	620
923 Salem	34905-06	Two Story/Basement	310
1909 Salem	44767	Two Story/Basement	620
2014 Salem	43450	One Story/Basement	620
2116-20 Salem	43457	One Story/Basement	930
2122 Salem	43458pt	Two Story/Basement	930
2330 Salem	43478pt	One Story/Basement	620
140 Samuel	4233	Two Story/Basement	620
2208 Wayne	17266pt	Two Story/Basement	310

This Notice of Possession becomes effective at 12:01 a.m. Eastern Standard Time in Ohio on **January 2, 2012** which is established as the beginning date of survey activities on these parcels. **Furthermore, the time for completion is 30 working days or February 2, 2012.**

Sincerely,

Dennis Zimmer  
Housing Inspection

DZ: