



September 26, 2017

Mr. Cory Estes  
 Crawford County Land Reutilization Corporation  
 112 East Mansfield Street  
 Bucyrus, OH 44820  
 Phone: 419-562-7861 ▪ Email: cclb@crawford-co.org

Re: Asbestos Survey of 346 E. Payne Ave, Galion, OH 44833

Dear Mr. Estes,

At your request, on September 19, 2017 HazCorp Environmental Services, Inc. performed an asbestos inspection at the aforementioned residence.

<b>Address:</b>	346 E. Payne Ave, Galion, OH 44833	
<b>Inspection Date:</b>	9/19/2017	
<b>Inspection Type:</b>	Pre-Demolition	
<b>Occupied or Unoccupied?</b>	Occupied: <input type="checkbox"/> Unoccupied: <input checked="" type="checkbox"/>	
<b>Age of Home:</b>	60+	
<b>Owner:</b>	Crawford County Land Reutilization Corporation	
<b>Size of Building:</b>	2,334 SF	
<b>Number of Dwelling Units:</b>	1	
<b>Stories:</b>	2	
<b>Condition:</b>	Poor	
<b>Exterior Siding Material:</b>	Vinyl on Transite Siding Shingles	
<b>Inaccessible Areas</b>	N/A	
<b>Asbestos Found:</b>	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	
<b>ACM Identified:</b>	Asbestos Paper, Transite Siding, Asbestos Tape, PACM: Non-friable Electrical Wiring, Non-friable Floor Tile, Non-friable Linoleum	
<b>Basement/Crawlspace:</b>	Basement	Accessible - Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> N/A: <input type="checkbox"/>
<b>Vermiculite Identified?</b>	Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/> N/A: <input type="checkbox"/>	

The United States Environmental Protection Agency National Emission Standards for Hazardous Air Pollutants regulations are the primary regulations governing asbestos-containing building materials in the United States as found within 40 CFR Part 61, Subpart M. Asbestos is recognized as a Hazardous Air Pollutant under these regulations. All friable asbestos-containing materials or non-friable materials that may become friable during the demolition or renovation process must be removed prior to these actions being undertaken.

The Ohio EPA also has regulations found in the Ohio Administrative Code (OAC) 3745-20. These pertain primarily to demolition and renovation.

The inspection was also done to comply with the Occupational Safety and Health Administration asbestos standard for the construction industry (29 CFR 1926.1101) and the Ohio Department of Health Regulations found in OAC 33701-34.

Licensing of individuals involved in asbestos inspections, air monitoring, project design, and removal of regulated asbestos-containing materials in the State of Ohio is regulated by the Ohio Department of Health.

The collection of samples was done to comply with the Asbestos Hazard Emergency Response Act found in 40 CFR 763 Subpart E and the Ohio Department of Health Regulations previously cited.

The inspection was performed by a Certified Asbestos Hazard Evaluation Specialist licensed through the Ohio Department of Health.

Common Abbreviations found within this Report

ACM	Asbestos Containing Material	OSHA	Occupational Safety and Health Administration	PLM	Polarized Light Microscopy
RACM	Regulated Asbestos Containing Material	PACM	Presumed Asbestos Containing Material	DW-JC	Drywall-Joint Compound
NESHAPs	National Emission Standards for Hazardous Air Pollutants	USEPA	United States Environmental Protection Agency	AHERA	Asbestos Hazard Emergency Response Act of 1986
TSI	Thermal System Insulation	HA	Homogenous Area	HP	Hard Plaster
OAC	Ohio Administrative Code	ODH	Ohio Department of Health		

General Information with Regard to Asbestos

Some uses of asbestos containing materials were banned in the 1970's and 1980's, these include: sprayed-on fireproofing, Thermal System Insulation (pipe or duct insulation), asbestos paper products, flooring felts and new uses of asbestos; however, a more thorough proposed ban by the USEPA was successfully fought by a group of industrial attorneys. Products not currently banned include: asbestos cement corrugated sheet, asbestos clothing, pipeline wrap, roofing felt, vinyl-asbestos floor tile, asbestos cement shingles, millboard, gaskets, non-roofing coatings and roofing coatings. However, the reality is that relatively few asbestos containing building materials have been manufactured or installed in the US in the past twenty years due to product liability issues.

### Asbestos-Containing Materials and their Classification

The USEPA uses the terms friable and non-friable to categorize different types of asbestos-containing building materials. Materials that contain more than 1% asbestos and that, when dry, can be reduced to a powder via hand pressure are considered friable or RACM. These materials, if they are to be disturbed, must be removed by a licensed asbestos abatement contractor.

The term RACM includes:

- Friable asbestos-containing materials;
- Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading;
- Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to a powder by the forces expected to act upon the material in the course of demolition or renovation operations.

Non-Friable Category I materials include floor tiles and roofing felts. Normally, Category I non-friable materials do not become friable unless they are sanded, abraded, or ground-up.

Non-Friable Category II materials are cement products such as Transite shingles, corrugated Transite panels, and other products made with a mixture of Portland cement and asbestos and asbestos containing mastics used or applied to flooring or roofing. It is important to note that many Non-friable Category II materials can be made friable through the forces expected to act upon them during demolition of a structure. Almost all Category II non-friable materials except mastics must be removed from a structure prior to demolition.

Intact as defined by OSHA means “the ACM has not crumbled, been pulverized, or otherwise deteriorated so that the asbestos is no longer likely to be bound with its matrix.”

### Sampling Methodology

OSHA adopted the USEPA’s sampling guidelines as outlined in the Asbestos Hazard Emergency Response Act of 1986.

According to AHERA protocol friable materials are divided into two categories:

1. Surfacing Materials: fireproofing, acoustical plaster, etc.
2. Thermal System Insulation: pipe insulation, pipe wrap, block insulation, batt insulation and mudded fittings.

Non-friable materials are included under:

Miscellaneous Materials: these include non-friable and friable materials that are not Surfacing Materials or Thermal System Insulation, such as: ceiling tile, drywall-joint compound systems, floor tile and mastic, roofing materials and Transite (cement products).

Under these rules, sampling areas are divided into homogeneous areas. Homogeneous areas or materials are defined as building materials that look alike, that appear to have been installed at the same time, and that are used for the same purpose.

When sampling surfacing materials the following protocol applies: the regulations require a specific number of samples be obtained per homogeneous area. For example, when sampling fireproofing or asbestos in hard plaster (sprayed-on or troweled-on Surfacing Materials) samples are to be taken based on the following increments:

- *0 to 1000 square feet of material, 3 samples are necessary;*
- *From 1001 to 5000 square feet, 5 samples are necessary;*
- *Over 5000 square feet, 7 samples are required.*

If during analysis any samples are found to contain asbestos, the entire homogeneous area is delineated as asbestos-containing material.

When sampling Thermal System Insulation the following protocol applies: At least three (3) random samples shall be collected. As with all things there are exceptions to these rules. These include:

- Exception 1: Patch less than six square or linear feet - 1 sample is appropriate.
- Exception 2: Mudded fittings - the number of samples collected is determined by the inspector (the industry standard is three samples).
- Exception 3: Fiberglass, foam glass, rubber (*Armaflex*), *Styrofoam*, and other non-suspect materials can be determined by visual identification and touch; sampling is not required.

When sampling for Miscellaneous Materials-the AHERA regulations state that the samples shall be collected in a manner sufficient to determine the composition of the materials. The 3, 5, 7, sampling scheme used for surfacing materials usually applies and for factory made materials two or three (2 or 3) samples are usually considered sufficient.

### Sampling

The samples taken from this building were either collected with a coring tool designed for asbestos sampling or placed into a plastic bag for laboratory analysis. The samples were analyzed via PLM with dispersion staining, using the "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" found in Appendix A to Subpart F in 40 CFR Part 763. Any samples with asbestos detected up to 10% were verified by Point Count Analysis.

The samples were analyzed by HazCorp Environmental Services, Inc. (HazCorp) located at 805 Capital Commons Drive, Toledo, Ohio 43615. HazCorp participates in the American Industrial Hygiene Association (AIHA) Bulk Asbestos Proficiency Analytical Testing (BAPAT) Program. Through this program HazCorp has shown proficiency to analyze bulk asbestos samples.

A written description of the sample locations can be found on the attached chain of custody.

**HazCorp Environmental Services, Inc.**

805 Capital Commons Drive  
Toledo, Ohio 43615  
Telephone (419) 537-6000

Please find included with this letter: the laboratory analytical results from HazCorp and the completed chain of custody form.

**Suspect Asbestos Containing Materials That Were Observed During This Inspection:**

Suspect Material	Quantity	Location(s)	ACM/ PACM	Friable/ Non-Friable	Must Be Removed
HARD PLASTER	5,382 SF	THROUGHOUT		NF	
TEXTURE	192 SF	KITCHEN CEILING		NF	
TEXTURE 2	144 SF	1 <sup>ST</sup> FLOOR BEDROOM CEILING		NF	
TEXTURE SWIRL	363 SF	2 <sup>ND</sup> FLOOR BEDROOM CEILINGS		NF	
DRYWALL	1,468 SF	KITCHEN, 1 <sup>ST</sup> FLOOR BEDROOM, LAUNDRY ROOM		NF	
WINDOW GLAZE	1 CF	17 WINDOWS		NF	
LINOLEUM	240 SF	BACK PORCH	X	NF	
FLOOR TILE	195 SF	2 <sup>ND</sup> FLOOR BEDROOM	X	NF	
ROOFING	1,900 SF	HOME		F	
BLOWN IN INSULATION	400 CF	WALLS AND ATTIC		F	
ASBESTOS PAPER	59 SF	BASEMENT AND IN WALLS ON DUCT	X	F	X
ASBESTOS TAPE	2 SF	BASEMENT ON DUCT	X	F	X
TRANSITE SIDING	3,850 SF	EXTERIOR SIDING	X	F	X
TAR PAPER UNDER TRANSITE	3,850 SF	UNDER TRANSITE		NF	
BRAIDED ELECTRICAL WIRING	1 CF	THROUGHOUT	X	NF	

*Limits of this Report*

It should be noted that on-site conditions and/or regulatory statues, rules, and regulations are not static and should not be expected to remain constant in the future. Asbestos may be hidden in inaccessible areas, covered by other building materials, or otherwise be located in unpredictable site-specific locations; however, a thorough attempt was made to delineate which building materials actually contain asbestos. If suspect materials are encountered in the demolition process the work should be halted and the material in question analyzed.

HazCorp appreciates the opportunity to be of service. If you have any questions related to this report please feel free to contact me at [hazcorp@sbcglobal.net](mailto:hazcorp@sbcglobal.net) or 419.537.6000.

Respectfully,



John Campbell  
State of Ohio Dept. of Health  
Certified Asbestos Hazard Evaluation Specialist  
Certification No. ES32329 ▪ Certification Expires 03.23.18



Charles Long  
State of Ohio Dept. of Health  
Certified Asbestos Hazard Evaluation Specialist  
Certification No. ES35315 ▪ Certification Expires 04.27.18



**HazCorp**

Phone: 419.537.6000

Email: [hazcorp@sbcglobal.net](mailto:hazcorp@sbcglobal.net)

Address: 805 Capital Commons Drive,  
Toledo Ohio 43615

## Bulk Sample Report

Project Name:

346 E. Payne Ave, Galion, OH 44833

Project Address:

346 E. Payne Ave, Galion, OH 44833

Project Number:

2017-416

Report Date:

9/25/2017



HazCorp Environmental Services, Inc.



Phone: 419.537.6000  
 Email: [hazcorp@sbcglobal.net](mailto:hazcorp@sbcglobal.net)  
 Address: 805 Capital Commons Drive,  
 Toledo Ohio 43615

Project address: 346 E. Payne Ave, Galion, OH 44833  
 Project: 2017-416

Analyst: Joshua Fry  
 Method: PLM

Date Collected: 9/19/2017  
 Date Received: 9/22/2017  
 Date analyzed: 9/25/2017

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-1 Laundry Room/West Wall – Hard Plaster	PLM	White Layer on Skim Coat	None Detected	Gypsum 60% Other 40%	N.A.D
416-1 Laundry Room/West Wall – Hard Plaster	PLM	White Skim Coat	None Detected	Other 100%	N.A.D
416-1 Laundry Room/West Wall – Hard Plaster	PLM	Gray Hard Plaster	Hair 2%	Quartz 5% Other 93%	N.A.D

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-2 Bathroom/West Wall – Hard Plaster	PLM	White Skim Coat	None Detected	Other 100%	N.A.D
416-2 Bathroom/West Wall – Hard Plaster	PLM	White Hard Plaster with Golden Flakes	Straw 1%	Vermiculite 30% Other 69%	N.A.D

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-3 1 <sup>st</sup> Floor/Bedroom/Ceiling – Hard Plaster with Texture	PLM	White Texture Layer	Wollastonite 5%	Other 95%	N.A.D
416-3 1 <sup>st</sup> Floor/Bedroom/Ceiling – Hard Plaster with Texture	PLM	White Skim Coat	None Detected	Other 100%	N.A.D
416-3 1 <sup>st</sup> Floor/Bedroom/Ceiling – Hard Plaster with Texture	PLM	Gray Hard Plaster	Hair 2%	Quartz 5% Other 93%	N.A.D

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-4 1 <sup>st</sup> Floor/Bedroom/Ceiling – Hard Plaster with Texture	PLM	White Texture Layer	Wollastonite 5%	Other 95%	N.A.D
416-4 1 <sup>st</sup> Floor/Bedroom/Ceiling – Hard Plaster with Texture	PLM	White Skim Coat	None Detected	Other 100%	N.A.D
416-4 1 <sup>st</sup> Floor/Bedroom/Ceiling – Hard Plaster with Texture	PLM	Gray Hard Plaster	Hair 2%	Quartz 5% Other 93%	N.A.D

Signature



Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-5 1 <sup>st</sup> Floor/Bedroom/Ceiling – Hard Plaster with Texture	PLM	White Texture Layer	Wollastonite 5%	Other 95%	N.A.D
416-5 1 <sup>st</sup> Floor/Bedroom/Ceiling – Hard Plaster with Texture	PLM	White Skim Coat	None Detected	Other 100%	N.A.D
416-5 1 <sup>st</sup> Floor/Bedroom/Ceiling – Hard Plaster with Texture	PLM	Gray Hard Plaster	Hair 2%	Quartz 5% Other 93%	N.A.D

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-6 2 <sup>nd</sup> Floor/North-West Bedroom/Ceiling – Hard Plaster with Texture 2	PLM	White Texture Layer	None Detected	Gypsum 60% Other 40%	N.A.D
416-6 2 <sup>nd</sup> Floor/North-West Bedroom/Ceiling – Hard Plaster with Texture 2	PLM	Gray Hard Plaster	Hair 2%	Quartz 5% Other 93%	N.A.D

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-7 2 <sup>nd</sup> Floor/North-West Bedroom/Ceiling – Hard Plaster with Texture 2	PLM	White Texture Layer	None Detected	Gypsum 60% Other 40%	N.A.D
416-7 2 <sup>nd</sup> Floor/North-West Bedroom/Ceiling – Hard Plaster with Texture 2	PLM	Gray Hard Plaster	Hair 2%	Quartz 5% Other 93%	N.A.D

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-8 2 <sup>nd</sup> Floor/North-West Bedroom/Ceiling – Hard Plaster with Texture 2	PLM	White Texture Layer	None Detected	Gypsum 60% Other 40%	N.A.D
416-8 2 <sup>nd</sup> Floor/North-West Bedroom/Ceiling – Hard Plaster with Texture 2	PLM	Gray Hard Plaster	Hair 2%	Quartz 5% Other 93%	N.A.D

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-9 2 <sup>nd</sup> Floor/South Bedroom/Ceiling – Hard Plaster with Swirl	PLM	White Texture Layer	None Detected	Gypsum 60% Other 40%	N.A.D
416-9 2 <sup>nd</sup> Floor/South Bedroom/Ceiling – Hard Plaster with Swirl	PLM	White Texture Layer	None Detected	Gypsum 60% Other 40%	N.A.D
416-9 2 <sup>nd</sup> Floor/South Bedroom/Ceiling – Hard Plaster with Swirl	PLM	Gray Hard Plaster	Hair 2%	Quartz 5% Other 93%	N.A.D

Signature



Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-10 2 <sup>nd</sup> Floor/East Bedroom/Ceiling – Hard Plaster with Swirl	PLM	White Texture Layer	None Detected	Gypsum 60% Other 40%	N.A.D
416-10 2 <sup>nd</sup> Floor/East Bedroom/Ceiling – Hard Plaster with Swirl	PLM	White Texture Layer	None Detected	Gypsum 60% Other 40%	N.A.D
416-10 2 <sup>nd</sup> Floor/East Bedroom/Ceiling – Hard Plaster with Swirl	PLM	Gray Hard Plaster	Hair 2%	Quartz 5% Other 93%	N.A.D

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-11 2 <sup>nd</sup> Floor/South Bedroom/Ceiling – Hard Plaster with Swirl	PLM	White Texture Layer	None Detected	Gypsum 60% Other 40%	N.A.D
416-11 2 <sup>nd</sup> Floor/South Bedroom/Ceiling – Hard Plaster with Swirl	PLM	White Texture Layer	None Detected	Gypsum 60% Other 40%	N.A.D
416-11 2 <sup>nd</sup> Floor/South Bedroom/Ceiling – Hard Plaster with Swirl	PLM	Gray Hard Plaster	Hair 2%	Quartz 5% Other 93%	N.A.D

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-12 Kitchen/Ceiling – Drywall/Joint Compound with Textured Paint	PLM	White Texture Layer	None Detected	Gypsum 60% Other 40%	N.A.D
416-12 Kitchen/Ceiling – Drywall/Joint Compound with Textured Paint	PLM	White Joint Compound	None Detected	Gypsum 60% Other 40%	N.A.D
416-12 Kitchen/Ceiling – Drywall/Joint Compound with Textured Paint	PLM	White Drywall	Cellulose 2%	Gypsum 70% Other 28%	N.A.D

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-13 Kitchen/Ceiling – Drywall/Joint Compound with Textured Paint	PLM	White Texture Layer	None Detected	Gypsum 60% Other 40%	N.A.D
416-13 Kitchen/Ceiling – Drywall/Joint Compound with Textured Paint	PLM	White Joint Compound	None Detected	Gypsum 60% Other 40%	N.A.D
416-13 Kitchen/Ceiling – Drywall/Joint Compound with Textured Paint	PLM	White Drywall	Cellulose 2%	Gypsum 70% Other 28%	N.A.D

Signature



Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-14 Kitchen/Ceiling – Drywall with Textured Paint	PLM	White Joint Compound	None Detected	Gypsum 60% Other 40%	N.A.D
416-14 Kitchen/Ceiling – Drywall with Textured Paint	PLM	White Drywall	Cellulose 2%	Gypsum 70% Other 28%	N.A.D

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-15 Transite Siding	PLM	Gray Cement Board	Chrysotile 40%	Other 60%	Chrysotile 40%

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-16 Back Porch Linoleum	PLM	White/Brown Fibrous	Cellulose 30% Rayon 10%	Other 60%	N.A.D

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-17 Back Porch Linoleum	PLM	White/Brown Fibrous	Cellulose 30% Rayon 10%	Other 60%	N.A.D

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-18 Tar Paper under Transite Siding	PLM	Black Fibrous	Cellulose 30%	Other 70%	N.A.D

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-19 Tar Paper under Transite Siding	PLM	Black Fibrous	Cellulose 30%	Other 70%	N.A.D

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-20 Blown in Insulation	PLM	Brown Fibrous	Cellulose 90%	Other 10%	N.A.D

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-21 Blown in Insulation	PLM	Brown Fibrous	Cellulose 90%	Other 10%	N.A.D

Signature



Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-22 Window Glaze	PLM	Yellow Brittle	Chrysotile 1%	Other 99%	Chrysotile 1%
416-22 Window Glaze	PC	Yellow Brittle			Chrysotile 0.5%

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-23 Window Glaze	PLM	Yellow Brittle	Chrysotile 1%	Other 99%	Chrysotile 1%
416-23 Window Glaze	PC	Yellow Brittle			Chrysotile <0.25%

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-24 Asbestos Paper	PLM	White Fibrous	Chrysotile 80%	Other 20%	Chrysotile 80%

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-25 Roofing	PLM	Black Fibrous	Cellulose 30%	Other 70%	N.A.D

Sample ID# Description	Method	Material Description	Fibrous Components	Non-Fibrous	Asbestos Fibers
416-26 Roofing	PLM	Black Fibrous	Cellulose 30%	Other 70%	N.A.D

Signature



**Analytical Method:**

Analytical procedures were performed in accordance with the U. S. Environmental Protection Agency (EPA) Recommended Method for the Determination of Asbestos in Bulk Samples by Polarized Light Microscopy and Dispersion Staining (PLM/DS) (EPA-600/M4-82-020, EPA-600/R-93-116).

Quantification of asbestos content was determined by Calibrated Visual Estimation

The EPA requires that friable samples with analytical results of 10% or less asbestos be treated as asbestos-containing material unless these quantities are verified using the point counting method (appendix E, subpart I, 40 CFR part 763, section 1). The point counting method is a systematic technique for estimating concentration, also using PLM. The point counting method, however, does not increase the analyst's ability to detect fibers.

**Disclaimer:**

In any given material, fibers with a small diameter (<0.25 µm) may not be detected by the PLM method. Floor tile and other resin bound material may yield a false negative if the asbestos fibers are too small to be resolved using PLM. Additional analytical methods may be required.

This report relates only to those samples actually analyzed, and may not be indicative of other similar appearing materials existing at this or other sites.

**Definitions:**

**N.A.D.** No Asbestos Detected.

**ACM**- Asbestos containing material.

**Friable**- Material that can be crumbled, pulverized, or reduced to powder by hand pressure.

**Non-Friable**- Material that cannot be crumbled, pulverized, or reduced to powder by hand pressure.

**PLM**- Polarized light microscopy, a technique using polarized light to measure birefringence, extinction angles, sign of elongation and dispersion staining colors to identify fibers/minerals.

**Gravimetry**- Reduction of material from binders by ashing in a furnace to remove volatile or organic components then digested in dilute hydrochloric acid to remove carbonates.

**PC (Point Counting)**- An analytical technique where a minimum of 400 non-empty points are counted across multiple slide mounts to get a firm estimate on asbestos %.

**NA-PS**- Material not analyzed due to positive stop.

Signature



805 Capital Commons Drive, Toledo, Ohio 43615  
 Phone: 419-537-6000 ❖ Email: hazcorp@sbcglobal.net

**Analysis Request Form**

Project Name <b>346 E. Payne Ave, Gallion, OH 44833</b>		Client Name <b>Crawford County Land Reutilization Corporation</b>				
Project Address <b>346 E. Payne Ave, Gallion, OH 44833</b>		Client Address <b>112 E. Mansfield St., Ste. 207, Bucyrus, OH 44820</b>				
Project No. <b>2017-416</b>		Client Contact <b>Mr. Corey Estes</b>				
Sampler(s) <b>Mr. Charles Long</b>		Client Phone <b>419-562-7861/cclb@crawford-co.org</b>				
Sample No.	Sample Type A=Air B=Bulk	Date	Sample Description	Asbestos PLM	Asbestos PCM	Comments
416-1	B	09/19/17	Laundry Room/West Wall – Hard Plaster	X		
416-2	B	09/19/17	Bathroom/West Wall – Hard Plaster	X		
416-3	B	09/19/17	1 <sup>st</sup> Floor/Bedroom/Ceiling – Hard Plaster with Texture	X		
416-4	B	09/19/17	1 <sup>st</sup> Floor/Bedroom/Ceiling – Hard Plaster with Texture	X		
416-5	B	09/19/17	1 <sup>st</sup> Floor/Bedroom/Ceiling – Hard Plaster with Texture	X		
416-6	B	09/19/17	2 <sup>nd</sup> Floor/North-West Bedroom/Ceiling – Hard Plaster with Texture 2	X		
416-7	B	09/19/17	2 <sup>nd</sup> Floor/North-West Bedroom/Ceiling – Hard Plaster with Texture 2	X		
416-8	B	09/19/17	2 <sup>nd</sup> Floor/North-West Bedroom/Ceiling – Hard Plaster with Texture 2	X		
416-9	B	09/19/17	2 <sup>nd</sup> Floor/South Bedroom/Ceiling – Hard Plaster with Swirl	X		
416-10	B	09/19/17	2 <sup>nd</sup> Floor/East Bedroom/Ceiling – Hard Plaster with Swirl	X		
416-11	B	09/19/17	2 <sup>nd</sup> Floor/South Bedroom/Ceiling – Hard Plaster with Swirl	X		
416-12	B	09/19/17	Kitchen/Ceiling – Drywall/Joint Compound with Textured Paint	X		
416-13	B	09/19/17	Kitchen/Ceiling – Drywall/Joint Compound with Textured Paint	X		
416-14	B	09/19/17	Kitchen/Ceiling – Drywall with Textured Paint	X		
416-15	B	09/19/17	Transite Siding	X		Confirmation Sample
416-16	B	09/19/17	Back Porch Linoleum	X		
416-17	B	09/19/17	Back Porch Linoleum	X		
416-18	B	09/19/17	Tar Paper under Transite Siding	X		
416-19	B	09/19/17	Tar Paper under Transite Siding	X		
416-20	B	09/19/17	Blown in Insulation	X		
416-21	B	09/19/17	Blown in Insulation	X		
416-22	B	09/19/17	Window Glaze	X		
416-23	B	09/19/17	Window Glaze	X		
416-24	B	09/19/17	Asbestos Paper	X		Confirmation Sample
Sampler's Signature: <i>Charles Long</i>		Samples Relinquished By: <i>Charles Long</i>		Samples Received By: <i>Paul J. [Signature]</i>		
Date	Time					
9-22-17	4:30					

Page 1 of 1  
**STANDARD**  
**TURNAROUND**

