

### ENVIRONMENTAL ASSESSMENT REPORT



City of Cedar Rapids 414 6th Ave SW Cedar Rapids, IA

Project Report Dated: November 21, 2017

- I. CONTENTS
- A. ASBESTOS INSPECTION REPORT
  - 1. LOCATION
  - 2. CONTACT PERSONS
  - 3. DATE OF INSPECTION
  - 4. FIRM PERFORMING THE INSPECTION
  - 5. LICENSING OF ACCREDITED INSPECTOR(S)
  - 6. BULK SAMPLE LABORATORY
  - 7. LABORATORY ACCREDITATION
- **B. SCOPE OF WORK / INSPECTION NOTES**
- C. SUMMARY OF ASBESTOS MATERIALS
- D. BULK SAMPLE ANALYSIS / CHAIN OF CUSTODY
- E. HOUSEHOLD HAZADOUS WASTES

#### A. ASBESTOS INSPECTION REPORT DATA

#### 1. LOCATION(s)

414 6th Ave SW Cedar Rapids, Iowa

#### 2. CLIENT CONTACT

Mr. John Riggs Manager, Building Services Division City of Cedar Rapids 500 15th Avenue SW, Cedar Rapids, IA 52404

#### 3. DATE(s) OF INSPECTION

October 2017

#### 4. FIRM PERFORMING INSPECTION

Hawkeye Environmental 814 Wood Lily Road Solon, IA 52333

#### 5. INSPECTOR LICENSING

State of Iowa License # (s): 17-8790 Michael Johnson 17-7513 Steve Henneberry 17-8789 Cody Henneberry

#### 6. LABORATORY USED FOR BULK SAMPLE ANALYSIS

Environmental Testing Laboratories 38900 Huron River Drive, Suite 200 Romulus, MI 48174

#### 7. LABORATORY ACCREDITATION

NVLAP (Nation Voluntary Laboratory Accreditation Program) Lab Code: 21028-0

#### **B. SCOPE OF WORK**

#### **Methods and Procedures:**

<u>The property located at 414 6th Ave SW, Cedar Rapids, Iowa</u> was inspected prior to scheduled demolition activities which may disturb asbestos containing building materials in accordance with NESHAPS (National Emission Standards for Hazardous Air Pollutants) regulations.

Field sampling methods were based on (NESHAPS) National Emission Standards for Hazardous Air Pollutants) protocols. Representative samples of suspect building materials were taken from Homogeneous Areas (HA-defined as similar in age, appearance and function). The purpose of this inspection was to identify quantities and locations of asbestos containing building materials prior to demolition of the structures. Bulk samples of suspect asbestos containing materials (ACM) were analyzed by Polarized Light Microscopy (PLM) with dispersion staining, as described in 40 CFR Part 763 and NESHAPs. Each sample was analyzed for the six different types of fibrous asbestos forms, of which a percentage, by volume, is estimated and summarized. If further analysis and quantification is warranted, this analysis is performed by EPA 600/R-93/116 with 400 or 600 Point Count Procedure. Further analysis of samples may also be performed at the client's request using Transmission Electron Microscopy (TEM).

Sample analysis was performed by Environmental Testing Laboratories, Inc., of Romulus, Michigan. EMSL is accredited by the National Institute for Standards and Technology for Polarized Light Microscopy analysis under their NVLAP (National Voluntary Lab Accreditation Program).

Asbestos Containing Building Materials (ACBM)s and their control during renovation or demolition activities is regulated in Iowa by the Iowa Department of Natural Resources. Specific questions about testing or abatement activities may be directed to Mr. Tom Wuehr, Iowa DNR - Air Quality Division. <u>Tom.Wuehr@DNR.Iowa.gov</u> 515-494-8212 Additional forms, guidance and technical information regarding asbestos can be found on the DNR website at:

#### http://www.iowadnr.gov/air/prof/asbestos/asbestos.html

A visual inspection of the Property was conducted to determine the presence, location and approximate quantities of Household Hazardous Wastes (HHW's). A table summarizing identified HHW's is included in Section F of this report.

#### **INSPECTION NOTES**

In accordance with your request and authorization Hawkeye Environmental, LLC has performed and asbestos survey for the project referenced above. It is our understanding that the buildings will be demolished which has the potential to disturb all building materials. It is the intent of this survey to determine if any of the materials with potential for disturbance are asbestos containing.

The structure is a single family residence which is in average to poor condition for its age and state of use.

Roof or roofing systems were sampled and included in this report.

A representative number of samples were collected from all suspect asbestos building materials.

Household Hazardous Wastes present inside structures and throughout the property were identified and listed in appendix F.



#### C. SUMMARY OF ASBESTOS BUILDING MATERIALS

#### 414 6th Ave SW

#### **Surfacing Materials**

<u>Material</u>	<b>Description</b>	<b>Location</b>	<u>Quantity</u>
None			

#### **Thermal Systems Insulation**

Material	Description	Location	Quantity
None			

#### Miscellaneous Materials

Material	Description	Location	Quantity
None			

City of Cedar Rapids, Iowa



### **BULK SAMPLE ANALYSIS**

City of Cedar Rapids 414 6th Ave SW Cedar Rapids, Iowa 38900 HURON RIVER DRIVE, SUITE 200 ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 955-6604

To: Hawkeye Environmental 814 Wood Lily Rd Solon, IA 52333

Attention : Steve Henneberry

**Client Project : N/A** 



Project Location: 414-6th Ave. SW Cedar Rapids, IA

ETC Job: 199337

Report Date : 11/2/2017

Login #	Sample ID	Work Requested	Completed
620412	001	Asbestos Analysis	11/02/2017
620413	002	Asbestos Analysis	11/02/2017
620414	003	Asbestos Analysis	11/02/2017
620415	004	Asbestos Analysis	11/02/2017
620416	005	Asbestos Analysis	11/02/2017
620417	006	Asbestos Analysis	11/02/2017
620418	007	Asbestos Analysis	11/02/2017
620419	008	Asbestos Analysis	11/02/2017
620420	009	Asbestos Analysis	11/02/2017
620421	010	Asbestos Analysis	11/02/2017
620422	011	Asbestos Analysis	11/02/2017
620423	012	Asbestos Analysis	11/02/2017
620424	013	Asbestos Analysis	11/02/2017
620425	014	Asbestos Analysis	11/02/2017

**Reviewed by:** 

amxwall

Quality Assurance Coordinator

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Client Project : N/A		<b>ETC Job</b> : 199337		
		<b>Report Date : </b> 11/2/2017		
Login #	Sample ID	Work Requested	Completed	

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#### Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	199337
То :	Hawkeye Environmental	Client Project :	N/A
	814 Wood Lily Rd	Date Collected :	10/27/2017
	Solon,IA 52333	Date Received :	10/31/2017
Location :	414-6th Ave. SW	Date Analyzed :	11/02/2017
	Cedar Rapids, IA	Date Analyzeu .	11/02/2017

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
620412 001 Bedroom 1 Analyst: Dave Cousino	Drywall	White Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
620413 002 Bedroom 2 Analyst: Dave Cousino	Drywall	White Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
620414 003 Hlwy Layer-1 Analyst: Dave (	Drywall Cousino	White Non-Fibrous Homogenous	5% Cellulose	95% Other	None Detected
620414 003 Hlwy Layer-2 Analyst: Dave (	Tape Cousino	White Fibrous Homogenous	90% Cellulose	10% Other	None Detected
620414 003 Hlwy Layer-3 Analyst: Dave (	Mud Cousino	White Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
620415 004 Window Analyst: Dave Cousino	Window Caulk	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
620416 005 Window Analyst: Dave Cousino	Window Glaze	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected





#### Polarized Light Microscopy Asbestos Analysis Report

		ETC Job: 199337
То :	Hawkeye Environmental	Client Project : N/A
	814 Wood Lily Rd	Date Collected : 10/27/2017
	Solon,IA 52333	Date Received : 10/31/2017
Location :	414-6th Ave. SW	Date Analyzed : 11/02/2017
	Cedar Rapids, IA	Date Analyzed . Those 2011

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
620417 006 Bedroom Analyst: Dave Cousino	Joint Compound	White Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
620418 007 Hlwy Analyst: Dave Cousino	Joint Compound	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
620419 008 Bedroom 2 Analyst: Dave Cousino	Joint Compound	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
620420 009 Hlwy Analyst: Dave Cousino	Plaster	Grey Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
620421 010 Front Rm Analyst: Dave Cousino	Plaster	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
620422 011 Dining Rm Analyst: Dave Cousino	Plaster	Grey Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
620423 012 Attic Analyst: Dave Cousino	Insulation	Yellow Fibrous Homogenous	5% Cellulose 90% Fiberglass	5% Other	None Detected

ETL, Inc. maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced without written approval by ETL, Inc. Test Method EPA 600/R-93-116 & EPA 600/M-82/020 or NYSDOH-ELAP item 198.1 and/or 198.6 was used to analyze all samples. Matrix interference and/or resolution limits (i.e. detecting asbestos in non-friable organically bound materials) may yield false results in certain circumstances. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing. Interpretation and use of test results are the responsibility of the client. ETL, Inc. is not responsible for the accuracy of the results when requested to physically separate and analyze layered samples. Any PLM results below 10% should be re-analyzed using the EPA recommended Point Count method. Any material that has greater than 1% asbestos content is considered to be an Asbestos Containing Material (ACM). These materials are regulated by both OSHA and the EPA and must be treated accordingly. Results are





#### Polarized Light Microscopy Asbestos Analysis Report

	ETC Job : 199337
<b>To</b> : Hawkeye Environmental	Client Project : N/A
814 Wood Lily Rd	Date Collected : 10/27/2017
Solon,IA 52333	Date Received : 10/31/2017
Location: 414-6th Ave. SW	
Cedar Rapids, IA	Date Analyzed . Thodizon

Sample I	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
620424 013 Roof Layer-1 Analyst: Dave C	Shingle Cousino	Black/Red Non-Fibrous Homogenous	5% Cellulose	95% Other	None Detected
620424 013 Roof Layer-2 Analyst: Dave C	Shingle Cousino	Brown Non-Fibrous Homogenous	5% Cellulose	95% Other	None Detected
620425 014 Roof Analyst: Dave Cousino	Roof Paper	Black Fibrous Homogenous	3% Fiberglass 2% Cellulose	95% Other	None Detected



Lab Supervisor/Other Signatory

Analyst: Dave Cousino

400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC") Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples

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### ENVIRONMENTAL TESTING LABORATORIES, INC 38900 HURON RIVER DRIVE ROMULUS, MICHIGAN 48174

(734) 955-6600 Fax: (734) 992-2261

#### **Bulk Asbestos Chain of Custody**

	www.2etl.com	а.	ETL Project # 99337
Client:	11	Contact:	Project Location/name:
	Hawkeye Environmental	Phone: Steve Henneberry	THI4-GENAUE 5W
Address: 814 Wood Lily Road,		Fax: 319-333-7420	CELARRAPIdSI TA
	Solon , IA 52333	E-mail: Stever HAwkey E End - Com	Client Project #:
Please Prov	vide Results: 🛛 Email 🔤 I	Fax URStave@blawkeyeEnv.com	Date Sampled: 10-27-17
•	Turnaround Time (TAT):	□ RUSH □ Same Day □ 24 hr □ 48 hr	Standard (3+ days) Other

**PLM** Instructions

(Check all that apply)		
與 PLM EPA600/R-93/116, 1993 (Standard method)	Stop at 1st Positive -	
Point Counting: 400 Points*	Clearly mark Homogenous Group	
PLM Non-Building Material (Dust, Wipe, Tape)	Soil or Vermiculite Analysis *	

Additional charge and turnaround may be required

Lab ID	Sample ID	Material	/ Location	Material Desc	ription
				· ·	-
620412	001	DAYONAU	Bedroomi	white	
413	002	DRAYOBALL	BedRoomz	white	-
414	003	Deswiell	Halloway	white.	
415	004	CAULS	window	white	
416	005	alAzing	window	GRAY	
417	006	Sointcom	Qound BodRoom	1 white	
. 418	007	Jointcom	pound Hulloupp	white	
419	008	JainCompo	und Betroomz	white	
420	009	PLASTER	HALLOAN	ORAY	
421	010	Plotster #	-ROUL ROOM	GRAY	
422	011	PLASTERT	living Room	SRAY	
			N .	Daile	Time
Relinguished (Name	(Organization):	no alars	wow	10-27-17	5 Gan/pm

Special Instructions:				Remarks	
QA/QC Review (Name/ETL):					am/pm
Analysis (Name/ETL):		· · · · · · · · · · · · · · · · · · ·	#.C.	10/31/17	12:00 am/pm
Sample Login (Name/ETL):	Anrush	Porrier	A	10/31/17	am/pm
Stereoscopical Analysis (Name/ETL):			H.C.	10/31/17	12:00 am/pm
Received (Name/ETL):	Awah	(ivrue)	/ Hawkeye Enviror	mental 16/31 /17	am/pm
		- A THE	AND I V		vanvpm

Page \_ of 2

Form ETL206: Chain of Custody: Revision A



ENVIRONMENTAL TESTING LABORATORIES, INC 38900 HURON RIVER DRIVE ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 992-2261 www.2etl.com

#### **Bulk Asbestos** Chain of Custody

ETL Project #: 99337

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Lab ID	Sample ID	Material /	Location	Material Description
20423	012	Insul	Allic	Contran Yellaw
ÝZÝ	013	Shingle	Roof	Phack with hed in 'it
425	014	PAPER	Rosf	BLACIC
		V		
			a.	
		-		

Page \_\_\_\_ of \_\_\_\_

Size / Quantity

1 Gallon

Location

House

Cedar Rapids, Iowa			
HHW / Recyclable	Description / Notes	Units	
Concrete Sealer		10	
Concrete Etcher / Cleaner		8	
Concrete Stain Remover		12	
Stove / Heater		1	
	(unknown content - possible		
Compressed Gas Tank	CO2? / Pepsi Bottling Label)	1	

Concrete Etcher / Cleaner		8	1 Gallon	House
Concrete Stain Remover		12	1 Quart	House
Stove / Heater		1	1 Ea.	House
	(unknown content - possible			
Compressed Gas Tank	CO2? / Pepsi Bottling Label)	1	Approx 20 Gallon	House
Tires (automotive)		18	< 20" Tires	Garage
Automobile		1	1 automobile	Garage
Television		1	1- < 20"	Garage
Compressed Gas Tank	(unknown content / Green)	1	Approx 20 Gallon	Garage



### ENVIRONMENTAL ASSESSMENT REPORT



City of Cedar Rapids 1124 6<sup>th</sup> Street NW Cedar Rapids, IA

Project Report Dated: December 11, 2017

- I. CONTENTS
- A. ASBESTOS INSPECTION REPORT
  - 1. LOCATION
  - 2. CONTACT PERSONS
  - 3. DATE OF INSPECTION
  - 4. FIRM PERFORMING THE INSPECTION
  - 5. LICENSING OF ACCREDITED INSPECTOR(S)
  - 6. BULK SAMPLE LABORATORY
  - 7. LABORATORY ACCREDITATION
- B. SCOPE OF WORK / INSPECTION NOTES
- C. SUMMARY OF ASBESTOS MATERIALS / PHOTOS
- D. BULK SAMPLE ANALYSIS / CHAIN OF CUSTODY
- E. HOUSEHOLD HAZADOUS WASTES

#### A. ASBESTOS INSPECTION REPORT DATA

#### 1. LOCATION(s)

1124 6th Street NW Cedar Rapids, Iowa

#### 2. CLIENT CONTACT

Mr. John Riggs Manager, Building Services Division City of Cedar Rapids 500 15th Avenue SW, Cedar Rapids, IA 52404

#### 3. DATE(s) OF INSPECTION

December 1, 2017

#### 4. FIRM PERFORMING INSPECTION

Hawkeye Environmental 814 Wood Lily Road Solon, IA 52333

#### 5. INSPECTOR LICENSING

State of Iowa License # (s): 17-7513 Steve Henneberry

#### 6. LABORATORY USED FOR BULK SAMPLE ANALYSIS

Environmental Testing Laboratories 38900 Huron River Drive, Suite 200 Romulus, MI 48174

#### 7. LABORATORY ACCREDITATION

NVLAP (Nation Voluntary Laboratory Accreditation Program) Lab Code: 201028-0

#### **B. SCOPE OF WORK**

#### **Methods and Procedures:**

<u>The property located at 1124 6th Street NW, Cedar Rapids, Iowa</u> was inspected prior to scheduled demolition activities which may disturb asbestos containing building materials in accordance with NESHAPS (National Emission Standards for Hazardous Air Pollutants) regulations.

Field sampling methods were based on (NESHAPS) National Emission Standards for Hazardous Air Pollutants) protocols. Representative samples of suspect building materials were taken from Homogeneous Areas (HA-defined as similar in age, appearance and function). The purpose of this inspection was to identify quantities and locations of asbestos containing building materials prior to demolition of the structures. Bulk samples of suspect asbestos containing materials (ACM) were analyzed by Polarized Light Microscopy (PLM) with dispersion staining, as described in 40 CFR Part 763 and NESHAPs. Each sample was analyzed for the six different types of fibrous asbestos forms, of which a percentage, by volume, is estimated and summarized. If further analysis and quantification is warranted, this analysis is performed by EPA 600/R-93/116 with 400 or 600 Point Count Procedure. Further analysis of samples may also be performed at the client's request using Transmission Electron Microscopy (TEM).

Sample analysis was performed by Environmental Testing Laboratories, Inc., of Romulus, Michigan. EMSL is accredited by the National Institute for Standards and Technology for Polarized Light Microscopy analysis under their NVLAP (National Voluntary Lab Accreditation Program).

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http://www.iowadnr.gov/air/prof/asbestos/asbestos.html

A visual inspection of the Property was conducted to determine the presence, location and approximate quantities of Household Hazardous Wastes (HHW's). A table summarizing identified HHW's is included in Section F of this report.



#### **INSPECTION NOTES**

In accordance with your request and authorization Hawkeye Environmental, LLC has performed and asbestos survey for the project referenced above. It is our understanding that the buildings will be demolished which has the potential to disturb all building materials. It is the intent of this survey to determine if any of the materials with potential for disturbance are asbestos containing.

The structure is a single family residence which is in average to poor condition for its age and state of use.

Roof or roofing systems were sampled and included in this report.

A representative number of samples were collected from all suspect asbestos building materials.

Household Hazardous Wastes present inside structures and throughout the property were identified and listed in appendix F.



#### C. SUMMARY OF ASBESTOS BUILDING MATERIALS

#### 1124 6th Street NW

#### **Surfacing Materials**

Material	Description	Location	Quantity
None			

#### **Thermal Systems Insulation**

Material	Description	Location	Quantity
Duct Paper	Gray	Furnace Ducts	< 40 LF
Electrical Insulation Paper	Gray	Electrical Junction (1 <sup>st</sup> Floor)	< 3 SF

#### Miscellaneous Materials

Material	Description	Location	Quantity
Asbestos Tar / Patch	Gray / Black	Front Porch / Chimney	35 LF

Quantities where supplied, are estimates. Contractors must field verify all material quantities, locations and condition prior to bid.

City of Cedar Rapids, Iowa



Asbestos Duct Paper





Asbestos Paper Electrical Junction







### **BULK SAMPLE ANALYSIS**

City of Cedar Rapids 1124 6th Street NW Cedar Rapids, Iowa 38900 HURON RIVER DRIVE, SUITE 200 ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 955-6604



Attention : Steve Henneberry

**Client Project : N/A** 



Project Location : City of Cedar Rapids 1124 6th St NW, Cedar Rapids, IA

ETC Job : 200136

Report Date : 12/7/2017

Login #	Sample ID	Work Requested	Completed
634105	001	Asbestos Analysis	12/07/2017
634106	002	Asbestos Analysis	12/07/2017
634107	003	Asbestos Analysis	12/07/2017
634108	004	Asbestos Analysis	12/07/2017
634109	005	Asbestos Analysis	12/07/2017
634110	006	Asbestos Analysis	12/07/2017
634111	007	Asbestos Analysis	12/07/2017
634112	008	Asbestos Analysis	12/07/2017
634113	009	Asbestos Analysis	12/07/2017
634114	010	Asbestos Analysis	12/07/2017
634115	011	Asbestos Analysis	12/07/2017
634116	012	Asbestos Analysis	12/07/2017
634117	013	Asbestos Analysis	12/07/2017
634118	014	Asbestos Analysis	12/07/2017
634119	015	Asbestos Analysis	12/07/2017
634120	016	Asbestos Analysis	12/07/2017
634121	017	Asbestos Analysis	12/07/2017
634122	018	Asbestos Analysis	12/07/2017
634123	019	Asbestos Analysis	12/07/2017
634124	020	Asbestos Analysis	12/07/2017

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Page 1 of 7

Client	Project	:	N/A
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ETC Job : 200136

Report Date : 12/7/2017

Login #	Sample ID	Work Requested	Completed
634125	021	Asbestos Analysis	12/07/2017
634126	022	Asbestos Analysis	12/07/2017
634127	023	Asbestos Analysis	12/07/2017
634128	024	Asbestos Analysis	12/07/2017

**Reviewed by:** 

Samzwall

Quality Assurance Coordinator



#### Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	200136
То :	Hawkeye Environmental	Client Project :	N/A
	814 Wood Lily Rd	Date Collected :	12/01/2017
Location :	Solon,IA 52333	Date Received :	12/05/2017
	City of Cedar Rapids	Date Analyzed :	12/07/2017
	1124 6th St NW, Cedar Rapids, IA	Bate Analyzeu .	12/01/2011

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
634105 001	Plaster	Grey Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
Layer-1 Analyst: Saral	h Poirier	Tomogonous			
634105 001	Skim	White Non-Fibrous	1% Cellulose	99% Other	None Detected
Layer-2 Analyst: Saral	h Poirier	Homogenous			
634106 002	Texture	White Non-Fibrous		100% Other	None Detected
Analyst: Sarah Poirier		Homogenous			
634107 003	Plaster	Grey Non-Fibrous	4% Cellulose	96% Other	None Detected
Layer-1 Analyst: Sarah Poirier		Homogenous			
634107 003	Skim	White Non-Fibrous		100% Other	None Detected
Layer-2 Analyst: Saral	h Poirier	Homogenous			
634108 004	Texture	White Non-Fibrous		100% Other	None Detected
Analyst: Sarah Poirier		Homogenous			
634109 005	Plaster	Grey Non-Fibrous	4% Cellulose	96% Other	None Detected
Layer-1 Analyst: Saral	h Poirier	Homogenous			
634109 005	Skim	White		100% Other	None Detected
Layer-2 Analyst: Saral	h Poirier	Homogenous			

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#### Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	200136
To :	Hawkeye Environmental	Client Project :	N/A
	814 Wood Lily Rd	Date Collected :	12/01/2017
	Solon,IA 52333	Date Received :	12/05/2017
Location :	City of Cedar Rapids	Date Analyzed :	12/07/2017
	1124 6th St NW, Cedar Rapids, IA	Buto Analyzou I	12/01/2011

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
634110 006 Analyst: Sarah Poirier	Texture	White Non-Fibrous Homogenous		100% Other	None Detected
634111 007 Analyst: Sarah Poirier	Drywall	White Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
634112 008 Analyst: Sarah Poirier	Таре	White Fibrous Homogenous	98% Fiberglass	2% Other	None Detected
,					
634113 009	Joint Compound	White Non-Fibrous Homogenous		100% Other	None Detected
Analyst: Sarah Poirier					
634114 010 2nd Floor Analyst: Sarah Poirier	Texture	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
634115 011 2nd Floor Analyst: Sarah Poirier	Texture	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
634116 012 2nd Floor Analyst: Sarah Poirier	Texture	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected

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#### Polarized Light Microscopy Asbestos Analysis Report

		<b>ETC Job</b> : 200136
To :	Hawkeye Environmental	Client Project : N/A
	814 Wood Lily Rd	Date Collected : 12/01/2017
	Solon,IA 52333	
Location :	City of Cedar Rapids	Date Applyzed : 12/07/2017
	1124 6th St NW, Cedar Rapids, IA	Date Analyzeu . 12/07/2017

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
634117 013 Tub Surround/2nd Floo Analyst: Sarah Poirier	Adhesive r	Tan Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
634118 014 Restroom/2nd Floor Analyst: Sarah Poirier	Linoleum	Beige Non-Fibrous Homogenous		100% Other	None Detected
634119 015 Peel N Stick/2nd Floor Analyst: Sarah Poirier	Tile Closet	Blue Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
634120 016 1st Floor Analyst: Sarah Poirier	Ceiling Tile	White Fibrous Homogenous	99% Cellulose	1% Other	None Detected
634121 017 Furnace Ducts/Electrica Analyst: Sarah Poirier	Duct Paper al Junction Box	Grey Fibrous Homogenous	40% Cellulose	20% Other	40% Chrysotile
634122 018 Exterior Wood Windows Analyst: Sarah Poirier	Glazing s	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
634123 019 Analyst: Sarah Poirier	Asphalt Siding	Tan/Black Non-Fibrous Homogenous	20% Cellulose	80% Other	None Detected

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#### Polarized Light Microscopy Asbestos Analysis Report

		ETC Job :	200136
То :	Hawkeye Environmental	Client Project :	N/A
	814 Wood Lily Rd	Date Collected :	12/01/2017
Location :	Solon,IA 52333	Date Received :	12/05/2017
	City of Cedar Rapids	Date Analyzed :	12/07/2017
	1124 6th St NW, Cedar Rapids, IA		

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
634124 020 Under Siding Layer-1 Analyst: Sarah	Tar Paper Poirier	Black Fibrous Homogenous	70% Cellulose	30% Other	None Detected
634124 020 Under Siding Layer-2 Analyst: Sarah	Tar Poirier	Black Non-Fibrous Homogenous	40% Cellulose	60% Other	None Detected
634125 021 Rear Porch Analyst: Sarah Poirier	Rolled Asphalt Roof	Black Non-Fibrous Homogenous	10% Cellulose	90% Other	None Detected
634126 022 Roof Analyst: Sarah Poirier	Tar Paper	Black Fibrous Homogenous	80% Cellulose	20% Other	None Detected
634127 023 Roof Analyst: Sarah Poirier	Asphalt Shingle	Black Non-Fibrous Homogenous	15% Fiberglass	85% Other	None Detected
634128 024 Chimney/Front Porch F Analyst: Sarah Poirier	Tar Patch	Grey/Black Non-Fibrous Homogenous		95% Other	5% Chrysotile



Lab Supervisor/Other Signatory

Larah M. Privier

Analyst: Sarah Poirier

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#### Polarized Light Microscopy Asbestos Analysis Report

		ETC Job: 200136
To :	Hawkeye Environmental	Client Project : N/A
	814 Wood Lily Rd	Date Collected : 12/01/2017
Location :	Solon,IA 52333	Date Received : 12/05/2017
	City of Cedar Rapids	Date Analyzed : 12/07/2017
	1124 6th St NW, Cedar Rapids, IA	

Sample

Description

Appearance

% Fibrous

% Non-Fibrous

% Asbestos

400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC") Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples

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### ENVIRONMENTAL TESTING LABORATORIES, INC 38900 HURON RIVER DRIVE

**ROMULUS, MICHIGAN 48174** (734) 955-6600 FAX: (734) 992-2261

Bulk	As	bestos
Chain	of	Custody

	www.2etl.com			EIL Project #: 200)3%	
Client:		Contact: Steve Henneberry		Project Location/name: City of Cedar Rapids	
Hawkeye Environmental		Phone: 319-333-7420		1124 6th St NW	
Address: 814 Wood Lily Road,		Fax:		Cedar Rapids, IA	
	Solon , IA 52333	E-mail: Steve@HawkeyeEnv.com		Client Project #:	
Please Provide Results: Email © Fax © Verbal © Other				Date Sampled: 12/01/17	
· ·	Turnaround Time (TAT):	□ RUSH □ Same Day □ 24 hr	🗆 48 hr	Standard (3+ days)	_

#### **PLM Instructions** (Check all that apply)

PLM EPA600/R-93/116, 1993 (Standard method) □ Stop at 1st Positive -Clearly mark Homogenous Group □ Point Counting: 400 Points\* □ Soil or Vermiculite Analysis \*

D PLM Non-Building Material (Dust, Wipe, Tape)

\* Additional charge and turnaround may be required

Lab ID	Sample ID	Material / Location	Material Description
634105	001	Plaster	Gray
DL	002	Plaster Texture	White
07	003	Plaster	Gray
68	004	Plaster Texture	White
69	005	Plaster	Gray
10	006	Plaster Texture	White
11	007	Drywall Board	White
12	008	Drywall Tape	White
12	009	Drywall Joint Compound	White
14	010	Spray-applied Texture (2nd Floor)	White
15	011	Spray-applied Texture (2nd Floor)	White
631116	012	Spray-applied Texture (2nd Floor)	White

		Date	Time
Relinguished (Name/Organization):	Steve Henneberry / Hawkeye Environmental	12/04/17	4:00 am/pm
Received (Name/ETL):	anisa ismaila	12/05/17	11:30 am/pm
Stereoscopical Analysis (Name/ETL):	And Vising	12/7/17	am/pm
Sample Login (Name/ETL):	, And	12/5/17	am/pm
Analysis (Name/ETL):	Anrah horizon	12/7/17	am/pm
QA/QC Review (Name/ETL):	Kind	1217/17	am/pm
Special Instructions:		Remarks	
			and the second se

#### ENVIRONMENTAL TESTING LABORATORIES, INC 38900 Huron River Drive Romulus, Michigan 48174

Sobot Hukon River Dri Romulus, Michigan 481 (734) 955-6600 Fax: (734) 992-2261 www.2etl.com

#### Bulk Asbestos Chain of Custody

ETL Project #: 1 20136

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

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Lab ID	Sample ID	Material / Location	Material Description
634117	013	Adhesive (tub surround / 2nd floor)	Tan
10	014	Linoleum (restroom / 2nd floor)	Beige
19	015	12" Floor Tile (Peel n Stick / 2nd floor closet)	Blue
20	016	1' x 1' Ceiling Tile (1st floor)	White / Tan
21	017	Duct Paper (furnace ducts / electrical junction box)	Gray
22	018	Glazing (exterior wood windows)	White
23	019	Asphalt Siding	Tan / Black
24	020	Tar Paper (under siding)	Black
25	021	Rolled Asphalt Roof (rear porch)	Black
26	022	Tar Paper (roof)	Black
20	023	Asphalt Shingles (roof)	Black
6241277	024	Tar / Patch (chimney / front porch flashing)	Gray / Black
FUTOU			
		*	
			(III)

HHW / Recyclable	Description / Notes	Units	Size / Quantity	Location
Auto Tires	Auto Tires	2	< 20"	Rear Exterior
Furnace		1	1 Ea.	Basement



### ENVIRONMENTAL ASSESSMENT REPORT



City of Cedar Rapids 1338 6th Street NW Cedar Rapids, IA

Project Report Dated: November 21, 2017

- I. CONTENTS
- A. ASBESTOS INSPECTION REPORT
  - 1. LOCATION
  - 2. CONTACT PERSONS
  - 3. DATE OF INSPECTION
  - 4. FIRM PERFORMING THE INSPECTION
  - 5. LICENSING OF ACCREDITED INSPECTOR(S)
  - 6. BULK SAMPLE LABORATORY
  - 7. LABORATORY ACCREDITATION
- **B. SCOPE OF WORK / INSPECTION NOTES**
- C. SUMMARY OF ASBESTOS MATERIALS
- D. BULK SAMPLE ANALYSIS / CHAIN OF CUSTODY
- E. HOUSEHOLD HAZADOUS WASTES

#### A. ASBESTOS INSPECTION REPORT DATA

#### 1. LOCATION(s)

1338 6th Street NW Cedar Rapids, Iowa

#### 2. CLIENT CONTACT

Mr. John Riggs Manager, Building Services Division City of Cedar Rapids 500 15th Avenue SW, Cedar Rapids, IA 52404

#### 3. DATE(s) OF INSPECTION

October 2017

#### 4. FIRM PERFORMING INSPECTION

Hawkeye Environmental 814 Wood Lily Road Solon, IA 52333

#### 5. INSPECTOR LICENSING

State of Iowa License # (s): 17-8790 Michael Johnson 17-7513 Steve Henneberry 17-8789 Cody Henneberry

#### 6. LABORATORY USED FOR BULK SAMPLE ANALYSIS

Environmental Testing Laboratories 38900 Huron River Drive, Suite 200 Romulus, MI 48174

#### 7. LABORATORY ACCREDITATION

NVLAP (Nation Voluntary Laboratory Accreditation Program) Lab Code: 21028-0

#### **B. SCOPE OF WORK**

#### **Methods and Procedures:**

<u>The property located at 1338 6th Street NW, Cedar Rapids, Iowa</u> was inspected prior to scheduled demolition activities which may disturb asbestos containing building materials in accordance with NESHAPS (National Emission Standards for Hazardous Air Pollutants) regulations.

Field sampling methods were based on (NESHAPS) National Emission Standards for Hazardous Air Pollutants) protocols. Representative samples of suspect building materials were taken from Homogeneous Areas (HA-defined as similar in age, appearance and function). The purpose of this inspection was to identify quantities and locations of asbestos containing building materials prior to demolition of the structures. Bulk samples of suspect asbestos containing materials (ACM) were analyzed by Polarized Light Microscopy (PLM) with dispersion staining, as described in 40 CFR Part 763 and NESHAPs. Each sample was analyzed for the six different types of fibrous asbestos forms, of which a percentage, by volume, is estimated and summarized. If further analysis and quantification is warranted, this analysis is performed by EPA 600/R-93/116 with 400 or 600 Point Count Procedure. Further analysis of samples may also be performed at the client's request using Transmission Electron Microscopy (TEM).

Sample analysis was performed by Environmental Testing Laboratories, Inc., of Romulus, Michigan. EMSL is accredited by the National Institute for Standards and Technology for Polarized Light Microscopy analysis under their NVLAP (National Voluntary Lab Accreditation Program).

Asbestos Containing Building Materials (ACBM)s and their control during renovation or demolition activities is regulated in Iowa by the Iowa Department of Natural Resources. Specific questions about testing or abatement activities may be directed to Mr. Tom Wuehr, Iowa DNR - Air Quality Division. <u>Tom.Wuehr@DNR.Iowa.gov</u> 515-494-8212 Additional forms, guidance and technical information regarding asbestos can be found on the DNR website at:

http://www.iowadnr.gov/air/prof/asbestos/asbestos.html

A visual inspection of the Property was conducted to determine the presence, location and approximate quantities of Household Hazardous Wastes (HHW's). A table summarizing identified HHW's is included in Section F of this report.



#### **INSPECTION NOTES**

In accordance with your request and authorization Hawkeye Environmental, LLC has performed and asbestos survey for the project referenced above. It is our understanding that the buildings will be demolished which has the potential to disturb all building materials. It is the intent of this survey to determine if any of the materials with potential for disturbance are asbestos containing.

The structure is a garage which is in average to poor condition for its age and state of use.

Roof or roofing systems were sampled and included in this report.

A representative number of samples were collected from all suspect asbestos building materials.

Household Hazardous Wastes present inside structures and throughout the property were identified and listed in appendix F.



#### C. SUMMARY OF ASBESTOS BUILDING MATERIALS

#### 1338 6th Street NW

#### **Surfacing Materials**

<u>Material</u>	Description	<b>Location</b>	<u>Quantity</u>
None			

#### **Thermal Systems Insulation**

Material	Description	Location	Quantity
None			

#### Miscellaneous Materials

Material	Description	Location	Quantity
None			

City of Cedar Rapids, Iowa



### **BULK SAMPLE ANALYSIS**

City of Cedar Rapids 1338 6th Street NW Cedar Rapids, Iowa 38900 HURON RIVER DRIVE, SUITE 200 ROMULUS, MICHIGAN 48174 (734) 955-6600 FAX: (734) 955-6604



<b>To :</b> Hawkeye Environmental 814 Wood Lily Rd		Project Location : 1338 6th St NW Cedar Rapids, IA		
Solon, IA 52333				
Attention : Steve Henneberry				
Client Project : N/A	<b>ETC Job</b> : 199345			
		<b>Report Date :</b> 11/1/2017		
Login #	Sample ID	Work Requested	Completed	
620472	001	Asbestos Analysis	11/01/2017	

**Reviewed by:** 

wall

Quality Assurance Coordinator

This report is intended for use solely by the individual or entity to which it is addressed. This report may not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. It may contain information that is privileged, confidential and otherwise exempt by law from disclosure. If the reader of this information is not the intended recipient or an employee of its intended recipient, you are herewith notified that any dissemination, distribution or copying of this information is strictly prohibited. If you have received this information in error, please notify ETL immediately. Thank you.





#### Polarized Light Microscopy Asbestos Analysis Report

	ETC Job : 199345
<b>To :</b> Hawkeye Environmental	Client Project : N/A
814 Wood Lily Rd	Date Collected : 10/28/2017
Solon,IA 52333	Date Received : 10/31/2017
Location :	Date Analyzed : 11/01/2017
1338 6th St NW Cedar Rapids, IA	

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
620472 001 Roof Analyst: Daniel Agnew	Shingle - Roof	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected



Lab Supervisor/Other Signatory

Analyst: Daniel Agnew

400 Point Count Results by EPA 600/R-93/116 PLM (denoted by "PC") Item 198.1: PLM Methods for Identifying and Quantitating Asbestos in Bulk Samples Item 198.6: PLM Methods for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples EPA 600/R-93/116: Method for Determination of Asbestos in Bulk Building Materials EPA 600/M4-82-020: Interim Method for Determination of Asbestos in Bulk Insulation Samples

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2	36900 Huron River Romulus, Michigan 4 (734) 9556600 Fax: (734) 992-2261 www.2eti.com	DRIVE 48174	Bulk Asbestos Chain of Custody
Client:	Hawkeya Environmente	Contact:	Project Location/name:
	namele Envionmenta	Phone: Steve Henneberry	1338-(th ST (10)
Address:	814 Wood Lily Road, Solon , IA 52333	Fax: 319-333-7420	Cecline Rapids, IA
Please Provid	Results: TEmail T	Eav Nostava@HawkayaEav.	COM Client Project #: V
		tax II verbar gounereyezhv.com	Date Sampled: 10-26-17
Tu	maround Time (TAT):	🗆 RUSH 🗆 Same Day 🗆 24 hr 🗆 4	18 hr A Standard (3+ days) Other
11		PLM Instructions (Check all that apply)	
PLM EPA60	0/R-93/116, 1993 (Stand	lard method)	Stop at 1st Positive -
D Point Counti	ng: 400 Points*	3	Clearly mark Homogenous Group
D PLM Non-B	uilding Material (Dust, W	lipe, Tape)	Soil or Vermiculite Analysis *
Additional charge	e and turnaround may be re	quired	
Lab ID	Sample ID	Material / Location	Material Description
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1		*. *	
1. J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			
· · · · · · ·			
		<u> </u>	Date Time
iquished (Name/On	panization): M.J.C.	had some lear	10-28-17 6
eived (Name/ETL):	Kohst	0,30,17 / Hawkeye	Environmental
eoscopical Analysis	(Name/ETL): Band	uppen	14-31-17 amp
nie Login (Mamatin	1):		am/p
Pie rodui (Manuer 1	1000	/ /	
/sis (Name/ETL):	Famil	Chymen	14-31-17 am/p

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of

Form ETL206: Chain of Custody: Revision A

TATA TA

HHW / Recyclable	Description / Notes	Units	Size / Quantity	Location
Latex Paint / Water Based		24	1 Gallon Cans	Garage
Tires (automotive)		22	< 20" Tires	Garage