



ENVIRONMENTAL ASSESSMENT REPORT



**City of Cedar Rapids
590 Penn Avenue NW
Cedar Rapids, IA**

Project Report Dated: April 3, 2018



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 HAZARDOUS WASTES



A. ASBESTOS INSPECTION REPORT DATA

1. LOCATION(s)

590 Penn Avenue 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

March 2018

4. FIRM PERFORMING INSPECTION

Hawkeye Environmental
814 Wood Lily Road
Solon, IA 52333

5. INSPECTOR LICENSING

State of Iowa License # (s):
17-9343 Steve Henneberry
17-8790 Michael Johnson
17-8789 Cody Henneberry

6. LABORATORY USED FOR BULK SAMPLE ANALYSIS

Environmental Testing Laboratories, Inc.
38900 West Huron River Dr.
Romulus, Michigan
NVLAP (Nation Voluntary Laboratory Accreditation Program)
Lab Code: 201028-0



B. SCOPE OF WORK

Methods and Procedures:

The property located at 590 Penn Avenue NW, Cedar Rapids, Iowa 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. Tom.Wuehr@DNR.iowa.gov 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 an 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 good 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

590 Penn Avenue NW

Surfacing Materials

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

Thermal Systems Insulation

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

Miscellaneous Materials

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



BULK SAMPLE ANALYSIS

**City of Cedar Rapids
590 Penn Avenue NW
Cedar Rapids, Iowa**

ENVIRONMENTAL TESTING LABORATORIES, INC.



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

Project Location :
590 Penn Ave NW Cedar Rapids, IA

Attention : Steve Henneberry

Client Project : N/A

ETC Job : 204967
Report Date : 3/22/2018

Login #	Sample ID	Work Requested	Completed
705471	001	Asbestos Analysis	03/22/2018
705472	002	Asbestos Analysis	03/22/2018
705473	003	Asbestos Analysis	03/22/2018
705474	004	Asbestos Analysis	03/22/2018
705475	005	Asbestos Analysis	03/22/2018
705476	006	Asbestos Analysis	03/22/2018
705477	007	Asbestos Analysis	03/22/2018
705478	008	Asbestos Analysis	03/22/2018
705479	009	Asbestos Analysis	03/22/2018
705480	010	Asbestos Analysis	03/22/2018
705481	011	Asbestos Analysis	03/22/2018
705482	012	Asbestos Analysis	03/22/2018
705483	013	Asbestos Analysis	03/22/2018
705484	014	Asbestos Analysis	03/22/2018
705485	015	Asbestos Analysis	03/22/2018
705486	016	Asbestos Analysis	03/22/2018

Login #

Sample ID

Work Requested

Completed

Reviewed by:



Quality Assurance Coordinator

Polarized Light Microscopy Asbestos Analysis Report

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

Location :
 590 Penn Ave NW Cedar Rapids, IA

ETC Job : 204967
Client Project : N/A
Date Collected : 03/15/2018
Date Received : 03/16/2018
Date Analyzed : 03/22/2018

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
705471 001 house Analyst: Renee Renauer	Shingle	Black Non-Fibrous Homogenous	10% Fiberglass	90% Other	None Detected
705472 002 Analyst: Renee Renauer	Tar Paper	Black Fibrous Homogenous	75% Cellulose	25% Other	None Detected
705473 003 garage Analyst: Renee Renauer	Shingle	Black Non-Fibrous Homogenous	12% Fiberglass	88% Other	None Detected
705474 004 Analyst: Renee Renauer	Tar Paper	Black Fibrous Homogenous	75% Cellulose	25% Other	None Detected
705475 005 shed Analyst: Renee Renauer	Shingle	Black Non-Fibrous Homogenous	12% Fiberglass	88% Other	None Detected
705476 006 Analyst: Renee Renauer	Tar Paper	Black Fibrous Homogenous	75% Cellulose	25% Other	None Detected
705477 007 LR Analyst: Renee Renauer	Drywall	Grey Non-Fibrous Homogenous	2% Cellulose	98% 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/M4-82/020 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 related to only to samples that were tested.

Polarized Light Microscopy Asbestos Analysis Report

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

Location :
 590 Penn Ave NW Cedar Rapids, IA

ETC Job : 204967
Client Project : N/A
Date Collected : 03/15/2018
Date Received : 03/16/2018
Date Analyzed : 03/22/2018

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
705478 008 Analyst: Renee Renauer	Tape	White Fibrous Homogenous	100% Cellulose		None Detected
705479 009 Analyst: Renee Renauer	Joint Compound/Mud	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
705480 010 bathroom Analyst: Renee Renauer	Joint Compound	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
705481 011 kitchen Analyst: Renee Renauer	Joint Compound	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
705482 012 Analyst: Renee Renauer	Floor Board	White Fibrous Homogenous	3% Fiberglass	97% Other	None Detected
705483 013 bsmt Analyst: Renee Renauer	Window Glazing	Grey Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
705484 014 Analyst: Renee Renauer	Ceiling Texture	White Non-Fibrous Homogenous	1% Cellulose	99% 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/M4-82/020 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 related to only to samples that were tested.

Polarized Light Microscopy Asbestos Analysis Report

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

Location :
 590 Penn Ave NW Cedar Rapids, IA

ETC Job : 204967
Client Project : N/A
Date Collected : 03/15/2018
Date Received : 03/16/2018
Date Analyzed : 03/22/2018

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
705485 015	Ceiling Texture	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
Analyst: Renee Renauer					
705486 016	Ceiling Texture	White Non-Fibrous Homogenous	2% Cellulose	98% Other	None Detected
Analyst: Renee Renauer					



Lab Supervisor/Other Signatory



Analyst: Renee Renauer

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

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/M4-82/020 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 related to only to samples that were tested.

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

**Bulk Asbestos
 Chain of Custody**

ETL Project #: 2049107

Client: Hawkeye Environmental	Contact: Steve Henneberry	Project Location/name: 590 Penn Ave NW Cedar Rapids, IA
Address: 814 Wood Lily Road, Solon, IA 52333	Phone: 319-333-7420 Fax: 319-333-7420 E-mail: <u>steve@hawkeyeenv.com</u>	Client Project #:
Please Provide Results: <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Verbal <input type="checkbox"/> Other		Date Sampled: <u>3/15/18</u>

Turnaround Time (TAT): RUSH Same Day 24 hr 48 hr Standard (3+ days) Other _____

PLM Instructions
 (Check all that apply)

<input checked="" type="checkbox"/> PLM EPA600/R-93/116, 1993 (Standard method)	<input type="checkbox"/> Stop at 1st Positive - Clearly mark Homogenous Group
<input type="checkbox"/> Point Counting: 400 Points*	
<input type="checkbox"/> PLM Non-Building Material (Dust, Wipe, Tape)	<input type="checkbox"/> Soil or Vermiculite Analysis *

* Additional charge and turnaround may be required

705

Lab ID	Sample ID	Material / Location	Material Description
471	001	shingle (house)	black
472	002	tar paper	"
473	003	shingle (garage)	"
474	004	tar paper	"
475	005	shingle (shed)	"
476	006	tar paper	"
477	007	drywall (L.R.)	gray
478	008	" tape	white
479	009	" joint compound	"
480	010	" " " (bathroom)	"
481	011	" " " (kitchen)	"
482	012	floor board (under ceramic)	white

	Date	Time
Relinquished (Name/Organization): <u>Cody Henneberry</u>	<u>3/15/18</u>	<u>6:00 am/pm</u>
Received (Name/ETL): <u>[Signature]</u> / Hawkeye Environmental	<u>3/16/18</u>	<u>10:30 am/pm</u>
Stereoscopical Analysis (Name/ETL): <u>[Signature]</u>		am/pm
Sample Login (Name/ETL): <u>Rosea Separte</u>	<u>3/16/18</u>	<u>5:14 am/pm</u>
Analysis (Name/ETL): <u>[Signature]</u>	<u>3-21-18</u>	<u>3:22 am/pm</u>
QA/QC Review (Name/ETL): <u>Rosea Separte</u>	<u>3.22.18</u>	<u>9:40 am/pm</u>

Special Instructions:	Remarks:
------------------------------	-----------------



ENVIRONMENTAL ASSESSMENT REPORT



**City of Cedar Rapids
1311 3rd St NW
Cedar Rapids, IA**

Project Report Dated: July 16, 2018



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)

1311 3rd 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

June 2018

4. FIRM PERFORMING INSPECTION

Hawkeye Environmental
814 Wood Lily Road
Solon, IA 52333

5. INSPECTOR LICENSING

State of Iowa License # (s):
17-9343 Steve Henneberry
17-8790 Michael Johnson

6. LABORATORY USED FOR BULK SAMPLE ANALYSIS

Environmental Testing Laboratories, Inc.
38900 West Huron River Dr.
Romulus, Michigan
NVLAP (Nation Voluntary Laboratory Accreditation Program)
Lab Code: 201028-0



B. SCOPE OF WORK

Methods and Procedures:

The property located at 1311 3rd Street NW, Cedar Rapids, Iowa 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. Tom.Wuehr@DNR.iowa.gov 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 an 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 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

1311 3rd Street NW

Surfacing Materials

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

Thermal Systems Insulation

<u>Material</u>	<u>Description</u>	<u>Location</u>	<u>Quantity</u>
Asbestos Duct Paper	Gray	Return air ducts / basement	< 15 LF

Miscellaneous Materials

<u>Material</u>	<u>Description</u>	<u>Location</u>	<u>Quantity</u>
9" Floor Tile (no mastic)	Tan / Brown	1 st Floor throughout	450 SF
9" Floor Tile (no mastic)	White	1 st Floor closet	15 SF
Cement Asbestos Siding	White / Gray	House Exterior	1,300 SF
Tar	Black (patch)	Carport roof valleys @ Garage	< 30 LF

All quantities where supplied are estimates. Contractor shall field verify all quantities and conditions prior to bid.



BULK SAMPLE ANALYSIS

**City of Cedar Rapids
1311 3rd Street NW
Cedar Rapids, Iowa**

ENVIRONMENTAL TESTING LABORATORIES, INC.



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

Project Location :
1311 3rd St NW, Cedar Rapids

Attention : Steve Henneberry

Client Project : N/A

ETC Job : 209589
Report Date : 6/21/2018

Login #	Sample ID	Work Requested	Completed
760631	001	Asbestos Analysis	6/19/2018
760632	002	Asbestos Analysis	6/19/2018
760633	003	Asbestos Analysis	6/19/2018
760634	004	Asbestos Analysis	6/19/2018
760635	005	Asbestos Analysis	6/19/2018
760636	006	Asbestos Analysis	6/19/2018
760637	007	Asbestos Analysis	6/19/2018
760638	008	Asbestos Analysis	6/19/2018
760639	009	Asbestos Analysis	6/19/2018
760640	010	Asbestos Analysis	6/19/2018

Reviewed by:

Quality Assurance Coordinator

Polarized Light Microscopy Asbestos Analysis Report

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

ETC Job : 209589
Client Project : N/A
Date Collected : 06/18/2018
Date Received : 06/19/2018

Location :
 1311 3rd St NW, Cedar Rapids

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
760631 001 Basement Analyst: Jessica Dilworth Date Analyzed : 06/19/2018	Duct Paper	Grey/White Fibrous Homogenous	15% Cellulose	35% Other	50% Chrysotile
760632 002 Basement Analyst: Jessica Dilworth Date Analyzed : 06/19/2018		Not Analyzed			
760633 003 Basement Analyst: Jessica Dilworth Date Analyzed : 06/19/2018		Not Analyzed			
760634 004 Front Room Analyst: Jessica Dilworth Date Analyzed : 06/19/2018	9x9 Brown Tile	Brown Non-Fibrous Homogenous	5% Cellulose	95% Other	None Detected
760635 005 Front Room Analyst: Jessica Dilworth Date Analyzed : 06/19/2018	Mastic	Black Non-Fibrous Homogenous	25% Cellulose	75% Other	None Detected
760636 006 Bathroom Analyst: Jessica Dilworth Date Analyzed : 06/19/2018	1x2 Tile	Blue Non-Fibrous Homogenous	2% Cellulose	98% 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/M4-82/020 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 related to only to samples that were tested.

Polarized Light Microscopy Asbestos Analysis Report

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

ETC Job : 209589
 Client Project : N/A
 Date Collected : 06/18/2018
 Date Received : 06/19/2018

Location :
 1311 3rd St NW, Cedar Rapids

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
760637 007 Outside House Analyst: Jessica Dilworth Date Analyzed : 06/19/2018	Siding	Grey Non-Fibrous Homogenous	10% Cellulose	60% Other	30% Chrysotile
760638 008 Roof Analyst: Jessica Dilworth Date Analyzed : 06/19/2018	Paper	Black Fibrous Homogenous	70% Cellulose	30% Other	None Detected
760639 009 Roof Analyst: Jessica Dilworth Date Analyzed : 06/19/2018	Shingle	Green/White Non-Fibrous Homogenous	50% Cellulose	50% Other	None Detected
760640 010 Chimney Analyst: Jessica Dilworth Date Analyzed : 06/19/2018	Tar	Black Non-Fibrous Homogenous	5% Cellulose	95% Other	None Detected



Lab Supervisor/Other Signatory



Analyst: Jessica Dilworth

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

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/M4-82/020 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 related to only to samples that were tested.

ENVIRONMENTAL TESTING LABORATORIES, INC

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



**Bulk Asbestos/Mold
 Chain of Custody**

ETL Project #: 209589

Client: Hawkeye Environmental	Contact: Steve Henneberry Phone: 319-333-7420	Project Location/Name: 1311 3rd St NW Cedar Rapids
Address: 814 Wood Lily Road, Solon, IA 52333	Fax: E-mail: Steve@hawkeyeenv.com	Client Project #:
Please Provide Results: <input type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Verbal <input type="checkbox"/> Other _____		Date Sampled: 6-18-18

Turnaround Time (TAT): RUSH (2 hrs) Same Day 24 hrs 48 hrs Standard (3-5 days) Other _____

Asbestos PLM/Mold Instructions
 (Check all that apply)

PLM EPA600/R-93/116, 1993 (Standard method) <input checked="" type="checkbox"/>	Stop at 1st Positive: Yes <input checked="" type="checkbox"/> / No <input type="checkbox"/>
Point Counting: Yes <input type="checkbox"/> / No <input type="checkbox"/> *400 Points <input type="checkbox"/> *1000 Points <input type="checkbox"/>	Clearly Mark Homogenous Group
Point Counting Criteria:	*Gravimetric Reduction <input type="checkbox"/> *Nuisance Dust <input type="checkbox"/>
Mold Air <input type="checkbox"/> Mold Tape <input type="checkbox"/> Mold Bulk <input type="checkbox"/>	*Soil or Vermiculite Analysis <input type="checkbox"/>

* Additional charge and turnaround may be required

Lab ID	Sample ID	Sample Location	Material Description/Volume
760631	001	Basement	Duct Paper
632	002	Basement	Duct Paper
633	003	Basement	Duct Paper
634	004	Front Room	9x9 Brown Tile
635	005	Front Room	Mastic
636	006	Bath room	1x2 tile
637	007	outside house	Siding
638	008	Roof	Paper
639	009	Roof	shingle
640	010	Chimney	TAR

Relinquished (Name/Organization): Michael Palmer Hawkeye Environmental	Date: 6-18-18	Time: 5 AM/PM
Received (Name/ETL): [Signature]	Date: 6/18/18	Time: 10 AM/PM
Stereoscopic/Sample Analysis (Name/ETL): [Signature]		
Special Instructions:	Remarks:	

****IN ORDER TO ENSURE RESULTS BY SPECIFIED TAT, THE LAB MUST BE EMAILED/CALLED WITH THE QUANTITY OF SAMPLES TO BE SHIPPED OR DROPPED OFF**
****RUSHES ARE NOT ACCEPTED AFTER 3:00 PM AND SAME DAYS ARE NOT ACCEPTED AFTER 2:00 PM**



The Identification Specialists

Analysis Report
prepared for
Hawkeye Environmental

Report Date: 7/18/2018

Project Name: 1311 3rd St. NW

Project #: City Of Cedar Rapids

SanAir ID#: 18030333



NVLAP LAB CODE 200870-0

1551 Oakbridge Dr. Suite B | Powhatan, Virginia 23139-8061
888.895.1177 | 804.897.1177 | fax: 804.897.0070 | IAQ@SanAir.com | SanAir.com



SanAir ID Number
18030333
FINAL REPORT
7/18/2018 11:01:31 AM

Name: Hawkeye Environmental
Address: 814 Wood Lily Road
Solon, IA 52333
Phone: 319-333-7420

Project Number: City Of Cedar Rapids
P.O. Number:
Project Name: 1311 3rd St. NW
Collected Date: 7/16/2018
Received Date: 7/17/2018 10:55:00 AM

Dear Steve Henneberry,

We at SanAir would like to thank you for the work you recently submitted. The 12 sample(s) were received on Tuesday, July 17, 2018 via FedEx. The final report(s) is enclosed for the following sample(s): 011, 012, 013, 014, 015, 016, 017, 018, 019, 020, 021, 022.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

A handwritten signature in black ink that reads "Sandra Sobrino".

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 12 samples in Good condition.



SanAir ID Number
18030333
FINAL REPORT
7/18/2018 11:01:31 AM

Name: Hawkeye Environmental
Address: 814 Wood Lily Road
Solon, IA 52333
Phone: 319-333-7420

Project Number: City Of Cedar Rapids
P.O. Number:
Project Name: 1311 3rd St. NW
Collected Date: 7/16/2018
Received Date: 7/17/2018 10:55:00 AM

Analyst: Steiner, Tara

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
011 / 18030333-001 Linoleum (Over 9" Tile) 1st Floor, Linoleum	Grey Non-Fibrous Homogeneous		100% Other	None Detected
011 / 18030333-001 Linoleum (Over 9" Tile) 1st Floor, Floor Tile	Cream Non-Fibrous Homogeneous		98% Other	2% Chrysotile
011 / 18030333-001 Linoleum (Over 9" Tile) 1st Floor, Mastic	Black Non-Fibrous Homogeneous		100% Other	None Detected
012 / 18030333-002 9" Floor Tile 1st Flr	Tan Non-Fibrous Homogeneous		97% Other	3% Chrysotile
013 / 18030333-003 Mastic Under 9" Tile 1st Flr	Black Non-Fibrous Homogeneous		100% Other	None Detected
014 / 18030333-004 9" Floor Tile 1st Flr	Tan Non-Fibrous Homogeneous		97% Other	3% Chrysotile
015 / 18030333-005 Mastic Under 9" Tile 1st Flr	Black Non-Fibrous Homogeneous		100% Other	None Detected
016 / 18030333-006 9" Floor Tile Closet 1st Flr	White Non-Fibrous Homogeneous		98% Other	2% Chrysotile
017 / 18030333-007 Mastic Closet 1st Flr	Black Non-Fibrous Homogeneous		100% Other	None Detected
018 / 18030333-008 Tar Garage/ Valley 1st Flr	Various Non-Fibrous Heterogeneous		90% Other	10% Chrysotile

Analyst:

Approved Signatory:

Analysis Date: 7/18/2018

Date: 7/18/2018



SanAir ID Number
18030333
 FINAL REPORT
 7/18/2018 11:01:31 AM

Name: Hawkeye Environmental
Address: 814 Wood Lily Road
 Solon, IA 52333
Phone: 319-333-7420

Project Number: City Of Cedar Rapids
P.O. Number:
Project Name: 1311 3rd St. NW
Collected Date: 7/16/2018
Received Date: 7/17/2018 10:55:00 AM

Analyst: Steiner, Tara

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
019 / 18030333-009 Tar Paper 1st Flr	Black Fibrous Homogeneous	65% Cellulose	35% Other	None Detected
020 / 18030333-010 Asphalt Shingles Carport 1st Flr	Various Non-Fibrous Heterogeneous	15% Glass	85% Other	None Detected
021 / 18030333-011 Asphalt Shingles Garage 1st Flr	Various Non-Fibrous Heterogeneous	20% Cellulose	80% Other	None Detected
022 / 18030333-012 Asphalt Shingles (Bottom Layer) Garage 1st Flr	Black Non-Fibrous Heterogeneous	20% Cellulose	80% Other	None Detected

Analyst: *Tara C. Steiner*

Approved Signatory: *Erin Robertson*

Analysis Date: 7/18/2018

Date: 7/18/2018

Disclaimer

The final report cannot be reproduced, except in full, without written authorization from SanAir. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample and information provided by the client. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Samples are held for a period of 60 days.

For NY state samples, method EPA 600/M4-82-020 is performed.

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Asbestos Certifications

NVLAP lab code 200870

City of Philadelphia: ALL-460

PA Department of Environmental Protection Number: 68-05397

California License Number: 2915

Colorado License Number: AL-23143

Connecticut License Number: PH-0105

Massachusetts License Number: AA000222

Maine License Number: LB-0075

New York ELAP lab ID: 11983

Rhode Island License Number: AAL-126

Texas Department of State Health Services License Number: 300440

Commonwealth of Virginia 3333000323

Washington State License Number: C989

West Virginia License Number: LT000566

Vermont License: AL166318

Revision Date: 11/30/2017



1551 Oakbridge Dr. STE B
 Powhatan, VA 23139
 804.897.1177 / 888.895.1177
 Fax 804.897.0070
 sanair.com

**Asbestos
 Chain of Custody**
 Form 140, Rev 1, 1/20/2017

SanAir ID Number
18030333

Company: Hawkeye Environmental	Project #: City of Cedar Rapids	Collect by: [Redacted] Steve Hennaberry
Address: 814 Wood Lily Road	Project Name: 1311 3rd St. NW	Phone #: 319-333-7420
City, St., Zip: Solon, IA 52333	Date Collected: 7-16-18	Fax #:
State of Collection: IA Account#: 3316	P.O. Number:	Email: Steve@hawkeyeenv.com

Bulk		Air		Soil	
ABB	PLM EPA 600/R-93/116 <input checked="" type="checkbox"/>	ABA	PCM NIOSH 7400 <input type="checkbox"/>	ABSE	PLM EPA 600/R-93/116 (Qual.) <input type="checkbox"/>
	Positive Stop <input type="checkbox"/>	ABA-2	OSHA w/ TWA* <input type="checkbox"/>	Vermiculite & Soil	
ABEPA	PLM EPA 400 Point Count <input type="checkbox"/>	ABTEM	TEM AHERA <input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%) <input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count <input type="checkbox"/>	ABATN	TEM NIOSH 7402 <input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%) <input type="checkbox"/>
ABBEN	PLM EPA NOB** <input type="checkbox"/>	ABT2	TEM Level II <input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%) <input type="checkbox"/>
ABBCH	TEM Chatfield** <input type="checkbox"/>	Other:	<input type="checkbox"/>	Dust	
ABBTM	TEM EPA NOB** <input type="checkbox"/>	New York ELAP		ABWA	TEM Wipe ASTM D-6480 <input type="checkbox"/>
ABQ	PLM Qualitative <input type="checkbox"/>	PLM NY	PLM EPA 600/M4-82-020 <input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755 <input type="checkbox"/>
** Available on 24-hr. to 5-day TAT		ABEPA2	NY ELAP 198.1 <input type="checkbox"/>	Matrix	Other
Water		ABENY	NY ELAP 198.6 PLM NOB <input type="checkbox"/>		<input type="checkbox"/>
ABHE	EPA 100.2 <input type="checkbox"/>	ABBNY	NY ELAP 198.4 TEM NOB <input type="checkbox"/>		<input type="checkbox"/>

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input type="checkbox"/>	24 HR <input checked="" type="checkbox"/>
	<input type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days	<input type="checkbox"/> 4 Days	<input type="checkbox"/> 5 Days

Special Instructions

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start - Stop Time*
011	Linoleum (over 9" Tile) 1st Floor		7-16-18		
012	9" Floor Tile (Tan/Brown)	1st Flr	"		
013	Mastic (Black) under 9" Tile	"	"		
014	9" Floor Tile (Tan/Brown)	"	"		
015	Mastic (Black) under 9" Tile	"	"		
016	9" Floor Tile (White) Closet	1st Flr	"		
017	Mastic (Black) " "		"		
018	Tar (Gray/Black) Garage/Valley		"		
019	Tar Paper		"		
020	Asphalt Shingles (Green/Gray/Black)	Carport	"		
021	" " (Green/white)	Garage	"		
022	" " (Black/Bottom layer)	Garage	"		

Relinquished by	Date	Time	Received by	Date	Time
Steve Hennaberry	7-16-18	5:00 PM	[Signature]	JUL 17 2018	10:55 am

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or holiday work must be scheduled ahead of time and is charged for rush turnaround time. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.

City of Cedar Rapids
1311 3rd Street NW, Cedar Rapids, IA

Household Hazardous Waste Inventory

HHW / Recyclable	Description / Notes	Units	Size	Location
Computer Monitors	CRT	1	< 22"	1st Floor
Paint	Wood Stain	2	1 Quart or less	1st Floor
Neutralizer	Tidy Cat odor neutralizer	1	< 2 Gal	1st Floor
Misc. Electronic waste	Printers (5), non-crt monitors (2)	LS	LS	1st Floor
Tire	Auto Tire	1	< 20"	Exterior