



ENVIRONMENTAL ASSESSMENT REPORT

**City of Cedar Rapids
4264 Cottage Grove Parkway SE
Cedar Rapids, IA**



Project Report Dated: August 22, 2016



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. ASBESTOS CONTAINING MATERIAL PHOTOS



A. ASBESTOS INSPECTION REPORT DATA

1. LOCATION(s)

4264 Cottage Grove Parkway SE
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

August 12, 2016

4. FIRM PERFORMING INSPECTION

Hawkeye Environmental
814 Wood Lily Road
Solon, IA 52333

5. INSPECTOR LICENSING

State of Iowa License # (s):
16-5785I Steve Henneberry

6. LABORATORY USED FOR BULK SAMPLE ANALYSIS

Environmental Testing Laboratories, Inc.
38900 Huron River Drive
Romulus, MI 48174

7. LABORATORY ACCREDITATION

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



B. SCOPE OF WORK

Methods and Procedures:

The property located at 4264 Cottage Grove Parkway SE, 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>



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 split-level home which is in 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.

Only textured ceilings as noted in the summary were determined to be asbestos-containing. Areas of smooth ceiling texture were not asbestos containing (e.g. upper level restroom, lower level family room and bedroom).



C. SUMMARY OF ASBESTOS BUILDING MATERIALS

4264 Cottage Grove Parkway SE

Surfacing Materials

<u>Material</u>	<u>Description</u>	<u>Location</u>	<u>Quantity</u>
Spray-Applied Ceiling Texture	White	1 st Floor (living room, kitchen, laundry, dining room), Lower Level (bathroom), Upper Level (bedrooms, hallway)	1,350 SF

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 RESULTS

**City of Cedar Rapids
4264 Cottage Grove Parkway SE
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 : City Of Cedar Rapids
4264 Cottage Grove Parkway SE Cedar Rapids, IA

Attention : Steve Henneberry

Client Project : N/A

ETC Job : 182000

Report Date : 8/19/2016

Login #	Sample ID	Work Requested	Completed
435865	001	Asbestos Analysis	08/19/2016
435866	002	Asbestos Analysis	08/19/2016
435867	003	Asbestos Analysis	08/19/2016
435868	004	Asbestos Analysis	08/19/2016
435869	005	Asbestos Analysis	08/19/2016
435870	006	Asbestos Analysis	08/19/2016
435871	007	Asbestos Analysis	08/19/2016
435872	008	Asbestos Analysis	08/19/2016
435873	009	Asbestos Analysis	08/19/2016
435874	010	Asbestos Analysis	08/19/2016
435875	011	Asbestos Analysis	08/19/2016
435876	012	Asbestos Analysis	08/19/2016
435877	013	Asbestos Analysis	08/19/2016
435878	014	Asbestos Analysis	08/19/2016
435879	015	Asbestos Analysis	08/19/2016
435880	016	Asbestos Analysis	08/19/2016
435881	017	Asbestos Analysis	08/19/2016
435882	018	Asbestos Analysis	08/19/2016
435883	019	Asbestos Analysis	08/19/2016
435884	020	Asbestos Analysis	08/19/2016

Login #	Sample ID	Work Requested	Completed
435885	021	Asbestos Analysis	08/19/2016

Reviewed by:



Quality Assurance Coordinator

Polarized Light Microscopy Asbestos Analysis Report

To : Hawkeye Environmental
 814 Wood Lily Rd
 Solon, IA 52333
Location : City Of Cedar Rapids
 4264 Cottage Grove Parkway SE Cedar Rapids, I

ETC Job : 182000
Client Project : N/A
Date Collected : 08/12/2016
Date Received : 08/16/2016
Date Analyzed : 08/19/2016

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
435865 001 Basement Analyst: Alice Turner	Drywall Board	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
435866 002 Basement Analyst: Alice Turner	Drywall Tape	White Fibrous Homogenous	100% Cellulose		None Detected
435867 003 Basement Analyst: Alice Turner	Drywall Joint Compound	White Non-Fibrous Homogenous	3% Cellulose	97% Other	None Detected
435868 004 1st Floor Analyst: Alice Turner	Drywall Board	White Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
435869 005 1st Floor Analyst: Alice Turner	Drywall Tap	White Fibrous Homogenous	100% Cellulose		None Detected
435870 006 1st Floor Analyst: Alice Turner	Drywall Joint Compound	White Non-Fibrous Homogenous		100% Other	None Detected
435871 007 Analyst: Alice Turner	Spray-Applied Ceiling Texture	White Non-Fibrous Homogenous	2% Cellulose	96% Other	2% Chrysotile

Polarized Light Microscopy Asbestos Analysis Report

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ETC Job : 182000
Client Project : N/A
Date Collected : 08/12/2016
Date Received : 08/16/2016
Date Analyzed : 08/19/2016

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
435872 008 Analyst: Alice Turner	Spray-Applied Ceiling Texture	White Non-Fibrous Homogenous	1% Cellulose	97% Other	2% Chrysotile
435873 009 Analyst: Alice Turner	Spray-Applied Ceiling Texture	White Non-Fibrous Homogenous		98% Other	2% Chrysotile
435874 010 Analyst: Alice Turner	Spray-Applied Ceiling Texture	White Non-Fibrous Homogenous	4% Cellulose	93% Other	3% Chrysotile
435875 011 Garage Analyst: Alice Turner	Drywall Tape	White Fibrous Homogenous	100% Cellulose		None Detected
435876 012 Garage Analyst: Alice Turner	Drywall Joint Compound	White Non-Fibrous Homogenous		100% Other	None Detected
435877 013 2nd Floor RR Layer-1 Analyst: Alice Turner	Linoleum	Beige Fibrous Homogenous	60% Cellulose	40% Other	None Detected
435877 013 2nd Floor RR Layer-2 Analyst: Alice Turner	Mastic	Yellow Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected

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Date Collected : 08/12/2016
Date Received : 08/16/2016
Date Analyzed : 08/19/2016

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
435878 014 Attic Analyst: Alice Turner	Blown-In Insulation	White Fibrous Homogenous	2% Cellulose 98% Mineral wool		None Detected
435879 015 Window/Exterior Analyst: Alice Turner	Caulk	Black Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
435880 016 Exterior Panels Analyst: Alice Turner	Composite Exterior Panels	Brown/White Fibrous Homogenous	100% Cellulose		None Detected
435881 017 Exterior Panels Analyst: Alice Turner	Caulk	Grey Non-Fibrous Homogenous		100% Other	None Detected
435882 018 Exterior Analyst: Alice Turner	Gypsum Backer Board	Tan Non-Fibrous Homogenous	1% Cellulose	99% Other	None Detected
435883 019 Roof Analyst: Alice Turner	Tar Paper	Black Non-Fibrous Homogenous	8% Fiberglass	92% Other	None Detected
435884 020 Roof Analyst: Alice Turner	Asphalt Shingle	Black Non-Fibrous Homogenous	15% Fiberglass	85% Other	None Detected

Polarized Light Microscopy Asbestos Analysis Report

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Date Received : 08/16/2016
Date Analyzed : 08/19/2016

Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Asbestos
435885 021 Chimney/Roof Analyst: Alice Turner	Tar	Black Non-Fibrous Homogenous	20% Cellulose	80% Other	None Detected

Natalie Barnes

Lab Supervisor/Other Signatory

Alice Turner

Analyst: Alice Turner

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
Chain of Custody**

ETL Project #: **182000**

Client: Hawkeye Environmental	Contact: Steve Henneberry Phone: 319-333-7420	Project Location/name: City of Cedar Rapids 4264 Cottage Grove Parkway SE Cedar Rapids, Iowa
Address: 814 Wood Lily Road, Solon, IA 52333	Fax: E-mail: Steve@HawkeyeEnv.com	Client Project #:
Please Provide Results: <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Verbal <input type="checkbox"/> Other _____		Date Sampled: 8-12-16

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

Lab ID	Sample ID	Sample Location	Material Description
435865	001	Drywall Board (Bsmt)	White
435866	002	Drywall Tape (")	"
435867	003	Drywall Joint Compound (")	"
435868	004	Drywall Board (1st floor)	"
435869	005	Drywall Tape (")	"
435870	006	Drywall Joint Compound (")	"
435871	007	Spray-Applied Ceiling Texture	"
435872	008	" "	"
435873	009	" "	"
435874	010	" "	"
435875	011	Drywall Tape (Garage)	"
435876	012	Drywall Joint Compound (")	"

		Date	Time
Relinquished (Name/Organization):	Steve Henneberry / Hawkeye Environmental	8-15-16	4:00 am/pm
Received (Name/ETL):	NB	8/16/16	1037 am/pm
Stereoscopical Analysis (Name/ETL):	AT	8.17.16	am/pm
Sample Login (Name/ETL):	NB	8/16/16	1234 am/pm
Analysis (Name/ETL):	AT	8.17.16	am/pm
QA/QC Review (Name/ETL):			am/pm

Special Instructions:	Remarks
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Bulk Asbestos Chain of Custody

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

[illegible]

