



ASBESTOS INSPECTION REPORT

**409 30th Street Drive SE
Cedar Rapids, IA**



Project Report Dated: September 4th, 2019



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A. ASBESTOS INSPECTION REPORT DATA

1. LOCATION

Residential Property
409 30th Street Drive SE
Cedar Rapids, Iowa

2. CLIENT CONTACT

Mr. John Riggs
City of Cedar Rapids, Iowa

3. DATE(s) OF INSPECTION

August 12, 2019

4. FIRM PERFORMING INSPECTION

Hawkeye Environmental
814 Wood Lily Road
Solon, IA 52333

5. LABORATORY USED FOR BULK SAMPLE ANALYSIS

SanAir Technologies Laboratory
1551 Oakbridge Dr. Suite B
Powhatan, Virginia 23139

6. LABORATORY ACCREDITATION

NVLAP (Nation Voluntary Laboratory Accreditation Program)
Lab Code: 200870



B. SCOPE OF WORK

Methods and Procedures:

The property located 409 30th Street Drive 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 SanAir Technologies Laboratory. Sanair 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 subject property will be demolished. Demolition 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 home which is currently occupied. The property 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.



C. SUMMARY OF ASBESTOS BUILDING MATERIALS

409 30th Street Drive SE

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			

Quantities supplied are estimates. Contractors must field verify all material quantities, locations and conditions.



BULK SAMPLE ANALYSIS

**409 30th Street Drive SE
Cedar Rapids, Iowa**



The Identification Specialists

Analysis Report
prepared for
Hawkeye Environmental

Report Date: 8/19/2019

Project Name: 409 30th St Dr SE

Project #: City Of Cedar Rapids

SanAir ID#: 19040579



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

19040579

FINAL REPORT

8/19/2019 10:41:30 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: 409 30th St Dr SE
Collected Date: 8/12/2019
Received Date: 8/13/2019 10:40:00 AM

Dear Steve Henneberry,

We at SanAir would like to thank you for the work you recently submitted. The 15 sample(s) were received on Tuesday, August 13, 2019 via FedEx. The final report(s) is enclosed for the following sample(s): 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015.

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:

- 15 samples in Good condition.



SanAir ID Number

19040579

FINAL REPORT

8/19/2019 10:41:30 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: 409 30th St Dr SE
Collected Date: 8/12/2019
Received Date: 8/13/2019 10:40:00 AM

Analyst: Pisula, Nicholas

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
001 / 19040579-001 Shingle (House)	Black Non-Fibrous Heterogeneous		100% Other	None Detected
002 / 19040579-002 Tar Paper (House)	Black Non-Fibrous Homogeneous		100% Other	None Detected
003 / 19040579-003 Shingle (Garage)	Black Non-Fibrous Heterogeneous		100% Other	None Detected
004 / 19040579-004 Tar Paper (Garage)	Black Non-Fibrous Homogeneous		100% Other	None Detected
005 / 19040579-005 Drywall (Upstairs Closet)	Grey Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected
006 / 19040579-006 Drywall Tape (Upstairs Closet)	Brown Fibrous Homogeneous	95% Cellulose	5% Other	None Detected
007 / 19040579-007 Drywall Joint Compound (Upstairs Closet)	Tan Non-Fibrous Homogeneous		100% Other	< 1% Chrysotile
008 / 19040579-008 Drywall Joint Compound (Bathroom)	White Non-Fibrous Homogeneous		100% Other	None Detected
009 / 19040579-009 Drywall Joint Compound (Living Room)	White Non-Fibrous Homogeneous		100% Other	None Detected
010 / 19040579-010 Plaster (Basement Stairs)	Grey Non-Fibrous Homogeneous		100% Other	None Detected

Analyst:

Approved Signatory:

Analysis Date: 8/19/2019

Date: 8/19/2019



SanAir ID Number

19040579

FINAL REPORT

8/19/2019 10:41:30 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: 409 30th St Dr SE
Collected Date: 8/12/2019
Received Date: 8/13/2019 10:40:00 AM

Analyst: Pisula, Nicholas

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
011 / 19040579-011 Plaster (Basement Stairs)	Grey Non-Fibrous Homogeneous		100% Other	None Detected
012 / 19040579-012 Plaster (Basement Stairs)	Grey Non-Fibrous Homogeneous		100% Other	None Detected
013 / 19040579-013 Efis Coating (Exterior), Stucco	Grey Non-Fibrous Homogeneous		100% Other	None Detected
013 / 19040579-013 Efis Coating (Exterior), Insulation	White Non-Fibrous Homogeneous		100% Other	None Detected
014 / 19040579-014 Mastic (Upstairs Closet)	Black Non-Fibrous Homogeneous		100% Other	None Detected
015 / 19040579-015 Sink Coating (Kitchen)	Grey Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *Nicholas Pisula*

Approved Signatory: *Johnathan Wilson*

Analysis Date: 8/19/2019

Date: 8/19/2019

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

19040579

Company:	Hawkeye Environmental	Project #:	City of Cedar Rapids	Collect by:	Steve
Address:	814 Wood Lily Road	Project Name:	409 30th St Dr SE	Phone #:	319-333-7420
City, St., Zip:	Solon, IA 52333	Date Collected:	8-12-19	Fax #:	cody@hawkeyeenv.com
State of Collection:	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"/>
			ABEPA2	NY ELAP 198.1	<input type="checkbox"/>	Matrix Other		
			ABENY	NY ELAP 198.6 PLM NOB	<input type="checkbox"/>			<input type="checkbox"/>
			ABBNY	NY ELAP 198.4 TEM NOB	<input type="checkbox"/>			<input type="checkbox"/>

** Available on 24-hr. to 5-day TAT

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 type="checkbox"/>
	<input type="checkbox"/> 2 Days	<input checked="" 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*
001	shingle (house)				
002	tar paper (")				
003	shingle (garage)				
004	tar paper (")				
005	drywall (upstairs closet)				
006	" tape (")				
007	" joint compound (")				
008	" " " (bathroom)				
009	" " " (living room)				
010	plaster (basement stairs)				
011	" " "				
012	" " "				

Relinquished by	Date	Time	Received by	Date	Time
by [signature]	8-12-19	9:00	[signature]	AUG 13 2019	10:40am

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.

Form 140, Revision 1, 1/20/2017

Relinquished by	Date	Time	Received by	Date	Time
by [Signature]	8-12-19	9:00	[Signature]	AUG 13 2019	10:40am

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