



## ASBESTOS INSPECTION REPORT

531 3rd Ave SE  
Oelwein, IA



Project Report Dated: June 10, 2022



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## **A. ASBESTOS INSPECTION REPORT DATA**

### **1. LOCATION**

Residential Property  
531 3rd Ave SE  
Oelwein, Iowa

### **2. CLIENT CONTACT**

Dylan Mulfinger  
City Administrator  
City of Oelwein, Iowa

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

June 6th, 2022

### **4. FIRM PERFORMING INSPECTION**

Hawkeye Environmental  
814 Wood Lily Road  
Solon, IA 52333

### **5. LABORATORY USED FOR BULK SAMPLE ANALYSIS**

Eurofins CEI  
730 SE Maynard Road  
Cary, North Carolina, 27511

### **6. LABORATORY ACCREDITATION**

NVLAP (Nation Voluntary Laboratory Accreditation Program)  
Lab Code: 103025



## B. SCOPE OF WORK

### Methods and Procedures:

**The property located at 531 3rd Ave SE, Oelwein, 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 Eurofins CEI. Eurofins 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 are 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](mailto: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. This survey intends to determine if any of the materials with the potential for disturbance are asbestos-containing.

The structure is a single-family home that is vacant. The property is in 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.



**C. SUMMARY OF ASBESTOS BUILDING MATERIALS**

**531 3rd Ave SE**

**Surfacing Materials**

<b><u>Material</u></b>	<b><u>Description</u></b>	<b><u>Location</u></b>	<b><u>Quantity</u></b>
Drywall Joint Compound	Gray	1 <sup>st</sup> floor	1100 SF

**Thermal Systems Insulation**

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

**Miscellaneous Materials**

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

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



## **BULK SAMPLE ANALYSIS**

**531 3rd Ave SE  
Oelwein, Iowa**



June 8, 2022

Hawkeye Environmental  
814 Wood Lily Road  
Solon, IA 52333

**CLIENT PROJECT:** City of Oelwein, 531 3rd Ave. SW, Oelwein  
**CEI LAB CODE:** A225786

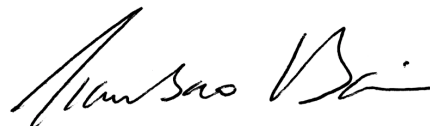
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 7, 2022. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director





CEI

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# ASBESTOS ANALYTICAL REPORT

## By: Polarized Light Microscopy

Prepared for

**Hawkeye Environmental**

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CLIENT PROJECT: City of Oelwein, 531 3rd Ave. SW, Oelwein

LAB CODE: A225786

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE:

TOTAL SAMPLES ANALYZED: 26

# SAMPLES >1% ASBESTOS: 1



CEI

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** City of Oelwein, 531 3rd Ave. SW,  
Oelwein

**LAB CODE:** A225786

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
001		A225786.01	Black	Tar	None Detected
002		A225786.02	Black	Tar	None Detected
003		A225786.03	Black,White	Shingle	None Detected
004		A225786.04	Red,Brown	Shingle	None Detected
005		A225786.05	Black	Tarpaper	None Detected
006		A225786.06	White,Gray	Window Glazing	None Detected
007		A225786.07	Black,Brown	Vapor Barrier	None Detected
008		A225786.08	Tan	Adhesive	None Detected
009		A225786.09	White,Tan	Ceiling Tile	None Detected
010		A225786.10	Gray	Linoleum	None Detected
011		A225786.11	Gray,Brown	Linoleum	None Detected
012		A225786.12	Off-white,Gray	Drywall	None Detected
013		A225786.13	Brown	Tape	None Detected
014		A225786.14	Yellow,Tan	Joint Compound	<b>Chrysotile 2%</b>
015		A225786.15	Gray,Brown	Plaster	None Detected
016		A225786.16	Gray,Brown	Plaster	None Detected
017		A225786.17	Gray	Plaster	None Detected
018		A225786.18	White	Plaster Skim Coat	None Detected
019		A225786.19	White	Texture	None Detected
020		A225786.20	White,Pink	Texture	None Detected
021		A225786.21	White,Pink	Texture	None Detected
022		A225786.22	Gray	Plaster	None Detected
023		A225786.23	Red	Plaster Skim Coat	None Detected
024		A225786.24	Brown,Gold	Vermiculite Insulation	None Detected
025		A225786.25	Brown,Gold	Vermiculite Insulation	None Detected
026		A225786.26	Brown,Gold	Vermiculite Insulation	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Hawkeye Environmental  
 814 Wood Lily Road  
 Solon, IA 52333

**Lab Code:** A225786  
**Date Received:** 06-07-22  
**Date Analyzed:** 06-08-22  
**Date Reported:**

**Project:** City of Oelwein, 531 3rd Ave. SW, Oelwein

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>001</b> A225786.01	Tar	Heterogeneous Black Fibrous Bound	10%	Cellulose	90%	Tar	None Detected
<b>002</b> A225786.02	Tar	Heterogeneous Black Fibrous Bound	10%	Cellulose	90%	Tar	None Detected
<b>003</b> A225786.03	Shingle	Heterogeneous Black,White Fibrous Bound	45%	Cellulose	50%	Tar 5% Gravel	None Detected
<b>004</b> A225786.04	Shingle	Heterogeneous Red,Brown Fibrous Bound	45%	Cellulose	50%	Tar 5% Gravel	None Detected
<b>005</b> A225786.05	Tarpaper	Homogeneous Black Fibrous Bound	60%	Cellulose	40%	Tar	None Detected
<b>006</b> A225786.06	Window Glazing	Heterogeneous White,Gray Non-fibrous Bound			100%	Binder <1% Paint	None Detected
<b>007</b> A225786.07	Vapor Barrier	Heterogeneous Black,Brown Fibrous Bound	50%	Cellulose	25%	Tar 25% Metal Foil	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Hawkeye Environmental  
 814 Wood Lily Road  
 Solon, IA 52333

**Lab Code:** A225786  
**Date Received:** 06-07-22  
**Date Analyzed:** 06-08-22  
**Date Reported:**

**Project:** City of Oelwein, 531 3rd Ave. SW, Oelwein

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
<b>008</b> A225786.08	Adhesive	Homogeneous Tan Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
<b>009</b> A225786.09	Ceiling Tile	Heterogeneous White,Tan Fibrous Loosely Bound	95%	Cellulose	5%	Paint	None Detected
<b>010</b> A225786.10	Linoleum	Heterogeneous Gray Non-fibrous Bound			50%	Vinyl Foam	None Detected
<b>011</b> A225786.11	Linoleum	Heterogeneous Gray,Brown Non-fibrous Bound			50%	Vinyl Foam	None Detected
<b>012</b> A225786.12	Drywall	Homogeneous Off-white,Gray Non-fibrous Bound			100%	Gypsum	None Detected
<b>013</b> A225786.13	Tape	Homogeneous Brown Fibrous Loosely Bound	100%	Cellulose			None Detected
<b>014</b> A225786.14	Joint Compound	Heterogeneous Yellow,Tan Non-fibrous Bound			53%	Binder	<b>2% Chrysotile</b>
					40%	Calc Carb	
					5%	Paint	

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Hawkeye Environmental  
 814 Wood Lily Road  
 Solon, IA 52333

**Lab Code:** A225786  
**Date Received:** 06-07-22  
**Date Analyzed:** 06-08-22  
**Date Reported:**

**Project:** City of Oelwein, 531 3rd Ave. SW, Oelwein

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>015</b> A225786.15	Plaster	Homogeneous Gray,Brown Fibrous Bound	5%	Cellulose	90%	Binder Silicates	None Detected
<b>016</b> A225786.16	Plaster	Homogeneous Gray,Brown Fibrous Bound	5%	Cellulose	90%	Binder Silicates	None Detected
<b>017</b> A225786.17	Plaster	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	60%	Silicates Binder	None Detected
<b>018</b> A225786.18	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			90%	Binder Silicates Paint	None Detected
<b>019</b> A225786.19	Texture	Heterogeneous White Non-fibrous Bound			55%	Binder Calc Carb Paint	None Detected
<b>020</b> A225786.20	Texture	Heterogeneous White,Pink Non-fibrous Bound			55%	Binder Calc Carb Paint	None Detected
<b>021</b> A225786.21	Texture	Heterogeneous White,Pink Non-fibrous Bound			55%	Binder Calc Carb Paint	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Hawkeye Environmental  
 814 Wood Lily Road  
 Solon, IA 52333

**Lab Code:** A225786  
**Date Received:** 06-07-22  
**Date Analyzed:** 06-08-22  
**Date Reported:**

**Project:** City of Oelwein, 531 3rd Ave. SW, Oelwein

## ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
<b>022</b> A225786.22	Plaster	Homogeneous Gray Non-fibrous Bound	<1%	Cellulose	95%	Binder Silicates	None Detected
<b>023</b> A225786.23	Plaster Skim Coat	Heterogeneous Red Non-fibrous Bound	3%	Talc	67%	Binder Calc Carb Paint	None Detected
<b>024</b> A225786.24	Vermiculite Insulation	Heterogeneous Brown,Gold Non-fibrous Loose			90%	Vermiculite Silicates Binder	None Detected
<b>025</b> A225786.25	Vermiculite Insulation	Heterogeneous Brown,Gold Non-fibrous Loose			90%	Vermiculite Silicates Binder	None Detected
<b>026</b> A225786.26	Vermiculite Insulation	Heterogeneous Brown,Gold Non-fibrous Loose			90%	Vermiculite Silicates Binder	None Detected

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**LEGEND:** Non-Anth = Non-Asbestiform Anthophyllite  
Non-Trem = Non-Asbestiform Tremolite  
Calc Carb = Calcium Carbonate

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**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

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**REPORTING LIMIT:** <1% by visual estimation

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**REPORTING LIMIT FOR POINT COUNTS:** 0.25% by 400 Points or 0.1% by 1,000 Points

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**REGULATORY LIMIT:** >1% by weight

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Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

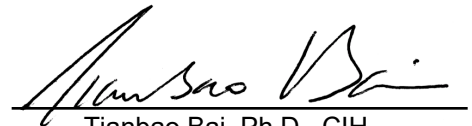
Information provided by customer includes customer sample ID and sample description.

**ANALYST:**



Kathryn Wescott

**APPROVED BY:**



Tianbao Bai, Ph.D., CIH  
Laboratory Director







CEI

CHAIN OF CUSTODY

26

730 SE Maynard Road, Cary, NC 27511  
 Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:

CEI Lab Code: A225786

CEI Lab I.D. Range:

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #: 30261	Job Contact: Steve Henneberry
Company: Hawkeye Environmental	Email / Tel: steve@hawkeyeenv.com
Address: 814 Wood Lily Road, Solon, IA 52333	Project Name: City of Oelwein
	Project ID#: 531 3rd Ave. SE, Oelwein
Email: Steve@hawkeyeenv.com	PO #:
Tel: 319-333-7420 Fax:	STATE SAMPLES COLLECTED IN: IA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR*	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR (PCME)	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05 (2010)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09 (2014)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM QUALITATIVE	IN-HOUSE METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

\*Blanks should be taken from the same sample lot as field samples.

REMARKS / SPECIAL INSTRUCTIONS:

Accept Samples  
 Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Steve Henneberry	6/06/22	<i>Att</i>	6/7/22 10:10am

Samples will be disposed of 30 days after analysis

Page 1 of

COMPANY CONTACT INFORMATION	
Company:	Job Contact:
Project Name:	
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	Description	TEST	
			PLM	TEM
001	chimney tar		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
002	flashing tar		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
003	shingle		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
004	shingle		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
005	tar paper		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
006	window glazing		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
007	vapor barrier		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
008	panel adhesive		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
009	1x1 ceiling tile		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
010	linoleum (kitchen)		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
011	" (RR/LR)		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
012	drywall		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
013	tape		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
014	compound		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
015	plaster		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
016	plaster		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
017	plaster		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
018	skim		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
019	texture		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
020	"		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
021	"		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
022	plaster		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
023	skim	red	PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
024	vermiculite		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
025	"		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
026	"		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>