



## ASBESTOS INSPECTION REPORT

702 3rd Ave SW  
Oelwein, IA



Project Report Dated: June 10, 2022



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

### **1. LOCATION**

Residential Property  
702 3rd Ave SW  
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 702 3rd Ave SW, 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**

**702 3rd Ave SW**

**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>
Chimney Tar	Black/Gray	Chimney	<15 LF
Linoleum (no mastic)	Cream/Pebble	Rear Entry	30 SF

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



## **BULK SAMPLE ANALYSIS**

**702 3rd Ave SW  
Oelwein, Iowa**

June 8, 2022

Hawkeye Environmental  
814 Wood Lily Road  
Solon, IA 52333

**CLIENT PROJECT:** City of Oelwein, 702 3rd Ave SW, Oelwein  
**CEI LAB CODE:** A225785

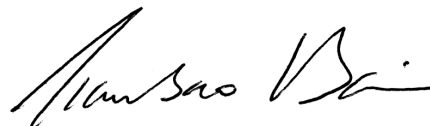
Dear Customer:

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, 702 3rd Ave SW, Oelwein

LAB CODE: A225785

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

REPORT DATE: 06/08/22

TOTAL SAMPLES ANALYZED: 14

# SAMPLES >1% ASBESTOS: 2

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** City of Oelwein, 702 3rd Ave SW, Oelwein **LAB CODE:** A225785

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
001		A225785.01	Gray-Black	Shingle	None Detected
002		A225785.02	Black	Chimney Tar	<b>Chrysotile 10%</b>
003		A225785.03	Cream	Plaster	None Detected
004		A225785.04	White	Skim	None Detected
005		A225785.05	Cream	Plaster	None Detected
006		A225785.06	White	Skim	None Detected
007		A225785.07	Cream	Plaster	None Detected
008		A225785.08	White	Skim	None Detected
009		A225785.09	White	Duct Caulking	None Detected
010		A225785.10	Beige	Blown Insulation	None Detected
011		A225785.11	Gray	Floor Coating	None Detected
012		A225785.12	Cream,Brown	Ceiling Tile	None Detected
013		A225785.13	Cream,Pebble Patterned	Linoleum	<b>Chrysotile 20%</b>
014		A225785.14	Tan	Linoleum	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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

**Lab Code:** A225785  
**Date Received:** 06-07-22  
**Date Analyzed:** 06-08-22  
**Date Reported:** 06-08-22

**Project:** City of Oelwein, 702 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> A225785.01	Shingle	Heterogeneous Gray-Black Fibrous Bound	25%	Cellulose	10%	Gravel Tar	None Detected
<b>002</b> A225785.02	Chimney Tar	Homogeneous Black Fibrous Bound	2%	Cellulose	88%	Tar	<b>10% Chrysotile</b>
<b>003</b> A225785.03	Plaster	Homogeneous Cream Fibrous Bound	<1% <1%	Cellulose Hair	60% 40%	Binder Silicates	None Detected
<b>004</b> A225785.04	Skim	Heterogeneous White Fibrous Bound	2%	Cellulose	3% 95%	Paint Binder	None Detected
<b>005</b> A225785.05	Plaster	Homogeneous Cream Fibrous Bound	<1% <1%	Cellulose Hair	60% 40%	Binder Silicates	None Detected
<b>006</b> A225785.06	Skim	Heterogeneous White Fibrous Bound	2%	Cellulose	3% 95%	Paint Binder	None Detected
<b>007</b> A225785.07	Plaster	Homogeneous Cream Fibrous Bound	<1% <1%	Cellulose Hair	60% 40%	Binder Silicates	None Detected

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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

**Lab Code:** A225785  
**Date Received:** 06-07-22  
**Date Analyzed:** 06-08-22  
**Date Reported:** 06-08-22

**Project:** City of Oelwein, 702 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> A225785.08	Skim	Heterogeneous White Fibrous Bound	2%	Cellulose	3%	Paint 95% Binder	None Detected
<b>009</b> A225785.09	Duct Caulking	Homogeneous White Fibrous Bound	2%	Talc	98%	Caulk	None Detected
<b>010</b> A225785.10	Blown Insulation	Homogeneous Beige Fibrous Loose	80% 20%	Cellulose Fiberglass			None Detected
<b>011</b> A225785.11	Floor Coating	Homogeneous Gray Fibrous Bound	2%	Cellulose	60% 38%	Binder Silicates	None Detected
<b>012</b> A225785.12	Ceiling Tile	Heterogeneous Cream,Brown Fibrous Loosely Bound	95%	Cellulose	5%	Paint	None Detected
<b>013</b> A225785.13	Linoleum	Heterogeneous Cream,Pebble Patterned Fibrous Bound	15%	Cellulose	50% 15%	Vinyl Binder	<b>20% Chrysotile</b>
No Mastic present.							
<b>014</b> A225785.14	Linoleum	Heterogeneous Tan Fibrous Bound	2%	Fiberglass	98%	Vinyl	None Detected
No Mastic present.							

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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.*

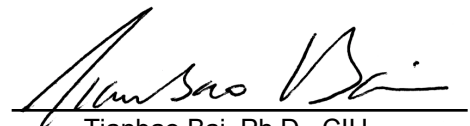
This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation 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:

  
Shilpa Ladekar

APPROVED BY:

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

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

**CHAIN OF CUSTODY**

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LAB USE ONLY:
CEI Lab Code: <i>A225785</i>
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#: 702 3RD AVE SW, 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:		<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
Steve Henneberry	6/06/22	<i>[Signature]</i>	6/7/22 10:10am

Samples will be disposed of 30 days after analysis

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