Limited Lead Paint Testing Report

PREPARED FOR:

Mr. Elijah Ralston
Story Construction
2810 Wakefield Circle
Ames, Iowa 50010
&

Ms. Jennifer Kleene
IDAS Owner's Representative

PROJECT LOCATION:

Dispatch Garage
Woodward Resource Center
Woodward, Iowa 50276

Project Date(s): August 25, 2023

Report Date: September 4, 2023

Atlas Project ID: 204BS06223

PREPARED BY:

Atlas Technical Consultants
4503 E 50th Street, Suite 800
Des Moines, IA 50317

Limited Lead Paint Testing Report

Dispatch Garage
Woodward Resource Center
Woodward, Iowa 50276
Atlas Project Number: 204BS06223

1.0 Scope of Services

Atlas is pleased to submit the results of the limited lead testing performed on August 25, 2023 at the above referenced property.

The purpose of the testing event was to identify potential lead paint on selected wall and ceiling surfaces that may be impacted by planned renovation activities. This work was limited to specific wall and ceiling surfaces that were identified to be sampled.

2.0 General Site Conditions

The survey was conducted on the walls and ceilings at the Dispatch Garage at the Woodward Resource Center in Woodward, Iowa. The walls and ceilings were generally of plaster. The exterior surfaces were not included in the survey. The paint was generally off-white, gray, very light green, yellow, and light green in color.

3.0 Lead Paint Testing Services

On August 25, 2023 the walls and ceilings in the Dispatch Garage at the Woodward Resource Center located in Woodward, Iowa were inspected for lead containing paint by Mr. Eric Brown of Atlas. The purpose of this survey was to identify locations and concentrations of lead in paints and coatings on specific interior building components prior to planned renovation activities.

3.1 Testing

The lead testing was performed in general accordance with the U.S. Housing and Urban Development Chapter 7 of the Guidelines for the evaluation and Control of Lead-Based Paint Hazards in Housing (1997 Revision).

Regulatory limits from the Housing and Urban Development (HUD) and the Environmental Protection Agency (EPA) establishes that lead-based paint (LBP) by definition is paint that contains more than 0.5% of lead in paint by weight. OSHA's "Lead in Construction Standard" (29 CFR 1926.1101) addresses any concentration of lead in paint ("lead-containing paint").

Prior to demolition or renovation activities, all contractors involved should be notified regarding the presence of painted components under the guidelines of the OSHA Lead in Construction standard 29 CFR 1926.62. Care should be exercised in acknowledging that the OSHA 29 CFR 1926.62 has no lead concentrations threshold definition and is concerned with exposures generated by lead disturbances, which may include materials containing less than 0.5% lead by weight.

The purpose of OSHA's Lead Construction Standard is to reduce the exposure to lead for all construction workers.

3.2 Lead Test Results

A total of five (5) painted surfaces were tested to determine the concentration of lead in the paint on the walls and ceilings of the Dispatch Garage where renovation activities would occur. A summary of the tested surface coatings are in the table below. The results of the analytical results are included in the below with the full reported included in Appendix A.

Lead Paint Sampling Summary Table					
Sample ID	Sample Location	Representative Material	Paint Color Top to Bottom	Substrate	Lead Content %
Myers Hall Building					
PC DG-1	Garage	Floor	Yellow	Concrete	**4.1%**
PC DG-2	Office Hall	Wall	Gray	Drywall	<0.0080%
PC DG-3	Offices	Wall	Off-White	Drywall	<0.0080%
PC DG-4	Office Closet	Ceiling	Very Light Green	Drywall	<0.0080%
PC DG-5	Stairs	Wall	Light Green	Drywall	<0.0080%

The paint samples were analyzed by EMSL using the Flame Atomic Absorption EPA method SW846-7420. A copy of the laboratory analytical report is included in Appendix A. Results are reported in percent by weight.

4.0 Conclusions

- One of the five samples analyzed had lead concentrations of >0.5% and is therefore classified as lead-based paint.
- The other four samples did not have detectable concentrations of lead identified.

During renovation, any activity associated with the disturbance, handling and disposal of any lead-based paint or lead containing paint must comply with the OSHA Lead Standard 1926.62 and state /federal regulations. The OSHA lead construction standard, 29 CFR §1926.62, regulates workers involving any activity whereby lead-containing materials could be disturbed resulting in airborne lead exposure.

If any additional materials are discovered during future activities, these materials must be assumed to contain lead until sampling and analysis proves otherwise.

5.0 Limitations

The results, findings, conclusions, and recommendations expressed in this report are based solely on conditions noted during the August 25, 2023, limited lead paint testing of accessible surfaces in the Dispatch Garage at the Woodward Resource Center, Woodward, Iowa. It should be noted that this report is limited to the specific areas inspected as part of this limited testing event.

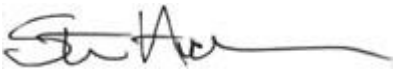
Our professional services have been performed, our findings obtained, and our conclusions and recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This statement is in lieu of other statements either expressed or implied. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

We appreciate the opportunity to be of service to the IDAS and Story Construction on this project and look forward to working with you both in the future. If you have questions or comments regarding the information presented in this report, please contact us at (402) 697-9747 and we will respond promptly to your needs.

Sincerely,

ATLAS TECHNICAL CONSULTANTS, LLC

Eric Brown
Environmental Scientist
(515) 981-4528



Steve Hudson, MS, CIH
Project Manager
(402) 697-9747

Attachments:

Attachment A: Lead Paint Analytical Results and Chain-of-Custody
Attachment B: Photo Log

APPENDIX A

LEAD PAINT ANALYTICAL RESULTS & COC

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (856) 303-2500 / (856) 786-5974
http://www.EMSL.com cinnaminsonleadlab@emsl.com

EMSL Order: 202307049
CustomerID: ATC55
CustomerPO:
ProjectID:

Attn: **Steve Hudson**
Atlas Technical
11117 Mockingbird Drive
Omaha, NE 68137

Phone: (402) 697-9747
Fax: (402) 597-8532
Received: 8/28/2023 11:00 AM
Collected: 8/25/2023

Project: **WRC Dispatch Garage / 204BS06223**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client SampleDescription	Collected	Analyzed	Weight	RDL	Lead Concentration
PC DG-1 *202307049-0001*	8/25/2023 Site: Floor Yellow	8/29/2023	0.2871 g	0.20 % wt	4.1 % wt
PC DG-2 *202307049-0002*	8/25/2023 Site: Wall Gray	8/29/2023	0.2623 g	0.0080 % wt	<0.0080 % wt
PC DG-3 *202307049-0003*	8/25/2023 Site: Wall Off White	8/29/2023	0.2660 g	0.0080 % wt	<0.0080 % wt
PC DG-4 *202307049-0004*	8/25/2023 Site: Ceiling V. Light Green	8/29/2023	0.2522 g	0.0080 % wt	<0.0080 % wt
PC DG-5 *202307049-0005*	8/25/2023 Site: Wall Light Green	8/29/2023	0.2813 g	0.0080 % wt	<0.0080 % wt

Owen Mckenna, Lead Laboratory Director
or other approved signatory

* Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA LAP, LLC-ELLAP Accredited #100194, A2LA Accredited - Certificate #2845.01

Initial report from 08/30/2023 13:21:13

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077
PHONE: 1-800-220-3675
EMAIL: c@emsl.com

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	Atlas Technical	Company Name:	Atlas Technical
Contact Name:	Steve Hudson	Billing Contact:	Steve Hudson
Street Address:	11117 Mockingbird Drive	Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha NE 68137	City, State, Zip:	Omaha NE 68137
Country:	US	Country:	US
Phone:	402-697-9747	Phone:	402-697-9747
Email(s) for Report:	steve.hudson@oneatlas.com	Email(s) for Invoice:	

Project Information

Project Name/No:	WRC DISPATCH GARAGE 204B506223	Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)		US State where samples collected:	IA
State of Connecticut (CT) must select project location:	☐ Commercial (Taxable) ☐ Residential (Non-Taxable)		
Sampled By Name:	ERIC BROWN	Sampled By Signature:	Eric Brown
No. of Samples in Shipment	5		

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☒ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS ☒ % by wt. ☐ ppm (mg/kg) ☐ mg/cm²	SW 846-7000B	Flame Atomic Absorption	0.008% (80ppm)	☒
*Reporting Limit based on a minimum 0.25g sample weight	SW 846-6010D*	ICP-OES	0.0004% (4ppm)	☐
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-OES	0.5µg/filter	☐
	NIOSH 7300M / NIOSH 7303M	ICP-MS	0.05µg/filter	☐
WIPE ☐ ASTM ☐ NON-ASTM	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	☐
*If no box is checked, non-ASTM Wipe is assumed	SW 846-6010D*	ICP-OES	1.0µg/wipe	☐
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
Wastewater	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
Unpreserved ☐ / Preserved with HNO3 ☐ PH<2	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
Other:				☐

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
PC DG-1	FLOOR YELLOW		8/25/2023
PC DG-2	WALL GRAY		
PC DG-3	WALL OFFWHITE		
PC DG-4	CEILING V. LIGHT GREEN		
PC DG-5	WALL LIGHT GREEN		

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by: Eric Brown	Date/Time: 8/25/2023 16:00	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time

*6010C Available Upon Request

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

APPENDIX B

PHOTO LOG

Looking North at Dispatch Garage.	**1**

Yellow paint chip sample #1 from floor in the garage (bays 2 & 3) Contains Lead-based paint.	**2**

Photograph Log Woodward Resource Center Dispatch Garage Woodward, Iowa	**Atlas Technical Consultants, LLC** 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06223

Paint chip sample #2 from the wall in the office hallway.	3

Paint chip sample #3 from wall in the garage.	4

Photograph Log Woodward Resource Center Dispatch Garage Woodward, Iowa	**Atlas Technical Consultants, LLC** 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06223

Paint chip sample #4 from office closet ceiling.	**5**

Paint chip sample #5 from wall in stairway.	**6**

Photograph Log Woodward Resource Center Dispatch Garage Woodward, Iowa	**Atlas Technical Consultants, LLC** 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06223