



Limited Asbestos Survey Report

PREPARED FOR:

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

PROJECT LOCATION:

Dispatch Garage
Woodward Resource Center
Woodward, Iowa

Project Date: August 25, 2023
Report Date: September 4, 2023

Atlas Project ID: 204BS06223

PREPARED BY:

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



September 4, 2023

IDAS Owner's Representative
Ms. Jennifer Kleene
Jennifer.Kleene@iowa.gov

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

Subject: **Limited Asbestos Survey Report**
Woodward Resource Center
Dispatch Garage
Woodward, Iowa
Atlas Project No.: 204BS06223

Dear Ms. Kleene:

Atlas Technical Consultants (Atlas) is pleased to submit this report for the results of the limited asbestos survey conducted on August 25, 2023 at the Dispatch Garage at the Woodward Resource Center, Woodward, Iowa. The testing was conducted to identify the possible presence of asbestos containing materials that may be impacted by planned renovation activities in the Dispatch Garage associated with the WRC Decentralization – Phase 2 (#9279.20) and Fire Alarm – Phase 1 (#9294) Projects.

1.0 *Limited Asbestos Inspection*

Mr. Eric Brown of Atlas conducted an inspection and testing to identify the presence of asbestos containing materials (ACMs) that may be impacted by planned renovation activities. The inspection was limited to accessible surfaces / areas in the Dispatch Garage that may be impacted by renovation activities associated with the WRC Decentralization – Phase 2 (#9279.20) and Fire Alarm – Phase 1 (#9294) Projects.

Mr. Brown's State of Iowa Asbestos Inspector license number is #23-9474. Staff certifications are provided in Attachment A. Atlas' asbestos inspection was performed in general accordance with the sampling protocols as outlined in AHERA, 40 Code of Federal Regulations (CFR) 763. Approximate quantities of visible and accessible suspect materials were estimated by field measurements.

Laboratory Analytical Method

Bulk samples were collected from suspect asbestos containing building materials by assessing the condition of the material and removing a small piece that was then placed into a sample bag, sealed and uniquely labeled. The samples were submitted to EMSL



Analytical Inc. (EMSL) Laboratory in Cinnaminson, New Jersey for analysis using Polarized Light Microscopy (PLM) in accordance with the United States Environmental Protection Agency (EPA) “Method for the Determination of Asbestos in Bulk Building Materials” (EPA/600/R-93/116, July 1993). The laboratory is registered as an American Industrial Hygiene Association (AIHA)-accredited laboratory and participates in the National Voluntary Lab Accreditation Participation (NVLAP) (Lab #101048-0).

Asbestos Results

Atlas submitted twenty-one-(21) bulk samples of suspect asbestos containing materials for laboratory analysis. A summary of the analytical results is provided in Table 1 below. Copies of laboratory analytical reports and chain-of-custody are provided in Attachment B.

Asbestos-Containing Materials (>1% Asbestos)

The US EPA defines an asbestos containing material as a material containing >1% asbestos. If asbestos containing materials will be disturbed as part of renovation or demolition activities, they must be abated by a State of Iowa certified asbestos abatement contractor prior to disturbance. The following ACMs were identified:

Table 1. Asbestos Containing Materials (>1%)				
Sample No.	Homogenous Material	Location	Asbestos Content per Layer	Estimated Quantity
No asbestos containing materials were identified				



The following table lists the suspect materials sampled that were determined not to contain asbestos.

Table 2. Non-Asbestos Containing Materials Sampled			
Sample No.	Homogenous Material	Location	Asbestos Content per Layer
WG-1	Light Gray Expansion Joint	Exterior	ND
WG-2	Tan Mastic	Exterior	ND
WG-3	White Caulk	Exterior	ND
WG-4	Gray Caulk	Exterior	ND
WG-5	Brick Mortar	Exterior	ND
WG-6	CMU Mortar	Interior	ND
WG-7	Concrete Patch	Wash Bay Dividing Wall	ND
WG-8	Duct Wrap	Ductwork	ND
WG-9	TSI 1"	Interior	ND
WG-10	TSI Ceiling Ductwork	Above Offices	ND
WG-11	Vibration Damper	Above Offices	ND
WG-12	TSI inside Ductwork	Above Offices	ND
WG-13	Drywall Mud	Offices	ND
WG-14	Drywall Mud	Offices	ND
WG-15	Drywall Tape	Offices	ND
WG-16	Drywall Mud	Offices	ND
WG-17	Drywall	Offices	ND
WG-18	Roof Insulation 2"	Roof	ND
WG-19	Vinyl Flooring	Offices	ND
WG-20	Vinyl Flooring	Offices	ND
WG-21	Textured Paint	Offices	ND

Quantities of ACM are estimations and should be verified by contractors in the field. Contractors should use caution during construction-related activities as concealed asbestos-containing materials that were not previously accessible may be encountered. If materials not sampled during this investigation are later discovered, they should be sampled and confirmed if they contain regulated quantities of asbestos by PLM analysis.



If so confirmed, they will require removal and disposal in accordance with federal, state and local regulations, prior to disturbance. Work activities involving exposure to asbestos-containing materials requires personnel training, monitoring and accreditations.

2.0 Conclusions

Based upon the findings of the August 25, 2023 inspection, ***asbestos was not identified*** in the suspect materials sampled.

3.0 Limitations

Atlas' survey was limited to the observation, minimal destructive sampling and analysis of suspect ACMs associated with planned renovation activities. Atlas did not collect samples from areas that were inaccessible / could not be safely accessed or that were outside the scope of this limited inspection.

Contractors should use caution during construction-related activities as concealed ACMs that were not previously identified may be encountered. If materials not sampled during this investigation are later identified to contain regulated quantities of asbestos, then they should be removed and disposed in accordance with federal, state and local regulations, prior to disturbance. Abatement of ACMs must be performed by a licensed abatement contractor.

This report should not be utilized as a bidding document or as a project specification document since it does not have all the components required to serve as an Asbestos Abatement Project Design document or an Abatement Work Plan.

The opinions presented within this report apply to the site conditions existing at the time of Atlas's investigation and interpretation of current regulations pertaining to ACMs. All applicable federal, state and local regulations should always be verified prior to any work that will disturb materials potentially containing regulated quantities of asbestos.

If you have any questions regarding this report or require further clarification, please contact our office at (402) 697-9747.



Sincerely,

ATLAS TECHNICAL CONSULTANTS, LLC

Prepared By:

A handwritten signature in blue ink that reads "Eric Brown". The signature is fluid and cursive, with a long horizontal stroke at the end.

Eric Brown, MS
Environmental Scientist
IA Asbestos Inspector # (23-9474)

Reviewed By:

A handwritten signature in blue ink that reads "Steve Hudson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Steve Hudson, MS, CIH, CIEC
Sr. Project Manager

Attachments:

- Attachment A: Certifications / Licenses
- Attachment B: Asbestos Analytical Results and Chain-of-Custody
- Attachment C: Photo Log
- Attachment D: Sample Location Sketch

APPENDIX A
CERTIFICATIONS / LICENSES

ERIC BROWN


DOB: 05-07-1970

Issued: 02-08-2023



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	23-9474	02-08-2024

 **Larry Johnson, Jr.**
Labor Commissioner



Midwest Training Institute

"A Higher Standard of Training"

An **ATC** Company

This is to certifies that

Eric Brown

has completed the requisite training for asbestos accreditation under TSCA Title II, 15 U.S.C. 2646 and the State of Nebraska Asbestos Regulations and passed the associated examination with a score of 70% or better.

EPA AHERA/Nebraska Asbestos Inspector Refresher Course

Course Location:
Des Moines, IA

Midwest Training Institute, Inc.
11117 Mockingbird Drive
Omaha, NE 68137
(402) 505-2940
(402) 515-0585
www.midwesttrainingsite.com

A handwritten signature in blue ink that reads "Todd Brown". The signature is written in a cursive style.

Instructor

Course Date: 02/08/2023
Examination Date: 02/08/2023
Expiration Date: 02/08/2024
Certificate # MTITB6129 IR
Course Length 4 Hours

APPENDIX B

ASBESTOS ANALYTICAL RESULTS & CHAIN OF CUSTODY



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 042321269

Customer ID: ATC55

Customer PO:

Project ID:

Attention: Tim Jacobsen
Atlas Technical
11117 Mockingbird Drive
Omaha, NE 68137

Phone: (402) 320-8396

Fax: (402) 597-8532

Received Date: 08/28/2023 9:00 AM

Analysis Date: 08/30/2023

Collected Date: 08/25/2023

Project: WRC - Dispatch Garage / 204BS06223

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
DG-1 <i>042321269-0001</i>	Exterior - Light Gray Expansion Joint	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
DG-2 <i>042321269-0002</i>	Exterior - Tan Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
DG-3 <i>042321269-0003</i>	Exterior - White Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
DG-4 <i>042321269-0004</i>	Exterior - Gray Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
DG-5 <i>042321269-0005</i>	Exterior - Brick Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
DG-6 <i>042321269-0006</i>	Exterior - CMU Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
DG-7 <i>042321269-0007</i>	Dividing Wall Wash Bay - Concrete Patch	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
DG-8 <i>042321269-0008</i>	Dividing Wall Wash Bay - Duct Wrap	White Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
DG-9-Pipe Wrap <i>042321269-0009</i>	Dividing Wall Wash Bay - TSI 1" Pipe	Tan/White/Silver Non-Fibrous Homogeneous	45% Cellulose 25% Glass	30% Non-fibrous (Other)	None Detected
<i>Result includes a small amount of inseparable attached material</i>					
DG-9-Pipe Insulation <i>042321269-0009A</i>	Dividing Wall Wash Bay - TSI 1" Pipe	Yellow Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
DG-10 <i>042321269-0010</i>	Dividing Wall Wash Bay - TSI Ceiling Ductwork	Gray/Pink Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
DG-11 <i>042321269-0011</i>	2 Dampers - Vibration Damper	Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
DG-12 <i>042321269-0012</i>	2 Dampers - TSI inside Ceiling Ductwork	Gray/Black Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
DG-13 <i>042321269-0013</i>	2 Dampers - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
DG-14 <i>042321269-0014</i>	2 Dampers - Drywall Mud	Various Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
DG-15 <i>042321269-0015</i>	2 Dampers - Drywall Tape	White Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected

Initial report from: 08/30/2023 10:58:59



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 042321269
Customer ID: ATC55
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
DG-16 <i>042321269-0016</i>	2 Dampers - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
DG-17 <i>042321269-0017</i>	2 Dampers - Drywall	Brown/White Fibrous Homogeneous	15% Cellulose 3% Glass	82% Non-fibrous (Other)	None Detected
DG-18 <i>042321269-0018</i>	2 Dampers - Roof Insulation 2"	Black/Yellow Fibrous Homogeneous	45% Cellulose 15% Glass	40% Non-fibrous (Other)	None Detected
DG-19-Vinyl Flooring <i>042321269-0019</i>	2 Dampers - Vinyl Flooring	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
DG-19-Mastic <i>042321269-0019A</i>	2 Dampers - Mastic	White/Beige Non-Fibrous Homogeneous	2% Cellulose 3% Fibrous (Other)	95% Non-fibrous (Other)	None Detected
DG-20-Vinyl Flooring <i>042321269-0020</i>	2 Dampers - Vinyl Flooring	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
DG-20-Mastic <i>042321269-0020A</i>	2 Dampers - Mastic	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
DG-21 <i>042321269-0021</i>	2 Dampers - Textured Paint	Gray/White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected

Inseparable paint / coating layer included in analysis

Analyst(s)

Andrew Borsos (21)

Dave Poitras (3)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 08/30/2023 10:58:59



Asbestos Chain of Custody (Air, Bulk, Soil)

EMSL Analytical, Inc.
200 Route 130 North

EMSL Order Number / Lab Use Only

CY230209

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:		Billing Contact:	
Street Address:	11117 Mockingbird Drive	Street Address:	11117 Mockingbird Drive
City, State, Zip:	Omaha NE 68137 Country: US	City, State, Zip:	Omaha NE 68137 Country: US
Phone:	402-697-9747	Phone:	402-697-9747
Email(s) for Report:		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: *21*

Turn-Around-Time (TAT)

3 Hour 4-4.5 Hour 6 Hour 24 Hour 32 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

TEM Air 3-6 Hour, please call ahead to schedule. 32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.

Test Selection

PCM Air

NIOSH 7400
 NIOSH 7400 w/ 8hr. TWA

PLM - Bulk (reporting limit)

PLM EPA 600/R-93/116 (<1%)
 PLM EPA NOB (<1%)
 POINT COUNT
 400 (<0.25%) 1,000 (<0.1%)
 POINT COUNT w/ GRAVIMETRIC
 400 (<0.25%) 1,000 (<0.1%)
 NIOSH 9002 (<1%)
 NYS 198.1 (Friable - NY)
 NYS 198.6 NOB (Non-Friable - NY)
 NYS 198.8 (Vermiculite SM-V)

Test Selection TEM - Air

AHERA 40 CFR, Part 763
 NIOSH 7402
 EPA Level II
 ISO 10312*

TEM - Bulk

TEM EPA NOB
 NYS NOB 198.4 (Non-Friable-NY)
 TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Test (please specify)

TEM - Settled Dust

Microvac - ASTM D5755
 Wipe - ASTM D6480
 Qualitative via Filtration Prep
 Qualitative via Drop Mount Prep

Soil - Rock - Vermiculite (reporting limit)*

PLM EPA 600/R-93/116 with milling prep (<0.25%)
 PLM EPA 600/R-93/116 with milling prep (<0.1%)
 TEM EPA 600/R-93/116 with milling prep (<0.1%)
 TEM Qualitative via Filtration Prep
 TEM Qualitative via Drop Mount Prep

*Please call with your project-specific requirements.

Positive Stop - Clearly Identified Homogeneous Areas (HA) Filter Pore Size (Air Samples) 0.8um 0.45um

Sample Number	Sample Location / Description	Volume, Area or Homogeneous Area	Date / Time Sampled (Air Monitoring Only)
DG-1	LIGHT GRAY EXPANSION JOINT	EXTERIOR	8/25/2023
DG-2	TAK MASTIC	-	↓
DG-3	WHITE CAULK	-	
DG-4	GRAY CAULK	-	
DG-5	BLACK MORTAR	-	
DG-6	CMU MORTAR	-	
DG-7	CONCRETE PATCH	DIVIDING WALL W/AS DAY	
DG-8	DUCT WRAP		

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:	Sample Condition Upon Receipt:
Relinquished by: <i>Eric Brown</i> Date/Time: <i>8/25/2023 16:00</i>	Received by: <i>EFX</i> Date/Time: <i>8/28/23</i>
Relinquished by:	Received by:

Controlled Document - COC-05 Asbestos R15 4/23/2021 AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

RECEIVED EMSL CINNAMINSON, N.J. AUG 28 P 12:01

(21) AR

APPENDIX C

PHOTO LOG



View of the Dispatch Garage facing north.

1



View of interior of the Dispatch Garage.

2

<p>Photograph Log Woodward Resource Center Dispatch Garage Woodward, Iowa</p>	<p>Atlas Technical Consultants, LLC 4503 East 50th Street, Suite 800, Des Moines, IA 50317 (515) 981-4528 Project No. 204BS06223</p>
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APPENDIX D
SAMPLE LOCATION SKETCH

