HALEY WARD
ENGINEERING | ENVIRONMENTAL | SURVEYING

May 22, 2023

Mr. Dwight Doughty, Jr.
Manager/Hydrogeologist
Groundwater and Hazardous Waste Division
Maine Department of Transportation
16 State House Station
Augusta, Maine 04333
dwight.doughty@maine.gov

Re: Bin Wall Limited Asbestos Sampling | PIN# #018984.00 | BR. #0188 | Caribou Stream Bridge | Caribou, Maine

Dear Mr. Doughty:

At the request of the State of Maine Department of Transportation (MDOT), Haley Ward, Inc. (Haley Ward) completed the limited asbestos identification survey to determine if suspect asbestos-containing waterproofing is present on the interior (back) surface of the metal Bin Wall structure associated with the Bridge Street bridge over Caribou Stream in Caribou, Maine. The limited asbestos identification survey was completed on May 3, 2023, by Mr. Dennis Kingman, a Maine Department of Environmental Protection (MDEP) licensed asbestos inspector (AI-0034) and Mr. Bradley Sloat (both of Haley Ward). A copy of Mr. Kingman's Asbestos Inspector certification is included in **Attachment A**.

The Bin Wall structure associated with Caribou Stream bridge consists of one section located on the west side of Bridge Street, on the north end of the bridge structure. The Bin Wall is constructed with corrugated metal panels which have been backfilled with soil. The corrugated metal panels were observed to have areas of rust/corrosion which exposed the back sides of the corrugated panels and the backfill material. Bin Wall systems were not present on the three remaining portions of the bridge structure.

LIMITED ASBESTOS IDENTIFICATION SURVEY

The limited asbestos identification survey was completed to provide the MDOT with information regarding the presence of Asbestos-Containing Materials (ACM) on the inside (back) surfaces of the Bin Wall.

One Merchants Plaza, Suite 701, Bangor, ME 04401
T: 207.989.4824 | HALEYWARD.COM

A total of three, three- to six-inch square holes were cut at varying heights and locations on the Bin Wall to assess for the presence of suspect asbestos-containing waterproofing. Areas of the Bin Wall that was corroded/rusted, exposing the interior surface were also visually assessed for the presence of suspect asbestos-containing waterproofing.

Suspect ACM, in the form of an asphaltic coating was identified on the inside (back) of the Bin Wall system. Three representative samples of the suspect material were collected and submitted to EMSL Analytical, Inc. (EMSL) of South Portland, Maine for analysis. Bulk samples collected during this survey were analyzed using the MDEP required analytical methods: "PLM-EPA 600/R-93/116" (for surfacing, thermal system insulation, and cementitious materials) and "PLM NOB-EPA 600/R-93/116." Samples were analyzed at the EMSL laboratory, which is certified to perform asbestos analysis by both the National Voluntary Laboratory Accreditation Program (NVLAP) and the American Industrial Hygiene Association (AIHA). EMSL is a MDEP licensed Asbestos Analytical Laboratory. A copy of EMSL's laboratory certifications is included as **Attachment B**. Laboratory analytical results and chain of custody are included as **Attachment C**.

According to MDEP Asbestos Management Regulations, bulk samples shall be analyzed until a positive result is obtained or all samples have been analyzed. The MDEP defines ACM as "any material containing asbestos in quantities greater than or equal to one percent (%) by volume as determined by weight, visual evaluation, and/or point count analysis."

<u>The sampled material was identified by laboratory analysis as asbestos-containing.</u>

A photographic log showing the Bin Wall including the cuts in the wall is included as **Attachment D**. A field sketch showing the general construction of the Bin Wall and sample locations is included as **Attachment E**.

This report was prepared by Haley Ward for the sole use of the MDOT and should not be reproduced without their full, written authorization. Please contact us at (207) 989-4824 if you have any questions related to this project or if additional services are required.

Sincerely,
Haley Ward, Inc.

Dennis B. Kingman, Jr., CHMM
Vice President/Senior Project Manager
Asbestos Inspector AI-0034

DBK/jok
Attachments

ATTACHMENT A

ASBESTOS INSPECTOR CERTIFICATION

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JANET T. MILLS
GOVERNOR

MELANIE LOYZIM
COMMISSIONER

December 4, 2022

Haley Ward, Inc.
1 Merchants Plaza, Suite 701
Bangor, Maine 04401

Dear Licensee:

Asbestos application(s) for individual certification of the **two** employee(s) listed below have been received and **approved**. Individual certification numbers are listed below and wallet card(s) are enclosed. Card(s) are property of the individual to whom each is issued. Your responsibility as a licensee is to ensure delivery of the cards to persons in your employment. This letter should be retained for your company files as record of certification. **Please attach 1 updated passport size photo with every application.**

Remember, in Maine all **certified employees** working on an asbestos abatement project, whether conducting removal/repair, air monitoring, design, inspection, or analysis functions, **must work for a State of Maine licensed asbestos firm** and carry his/her wallet card(s) on the job site.

As a reminder, prior to renewing your asbestos certification, the State of Maine **requires** an annual refresher course to be taken before submitting a renewal application. A certificate shall expire one year from the last day of the month from the date of issuance, **or on the last day of the month that the training certificate expires**, whichever is sooner.

All our asbestos forms can be found at https://www.maine.gov/dep/waste/asbestos/forms.html
Thank you for your cooperation and your completed application(s).

Name	Category	Certification #	Exp. Date
Deborah A. Kasik	Inspector	AI-0177	11/30/2023
Dennis B. Kingman, Jr.	Inspector	AI-0034	11/30/2023

Sincerely,

Sandra J. Moody

Sandra J. Moody, Environmental Specialist
Division of Remediation
Bureau of Remediation and Waste Management

State of Maine
Asbestos Abatement Program

Dennis B. Kingman, Jr.

Inspector
Cert No. AI-0034
Trn.Exp.Date 11/10/2023
Expiration Date 11/30/2023
This is not a legal form of official identification

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0017
(207) 287-7688 FAX: (207) 287-7826

BANGOR
106 HOGAN ROAD, SUITE 6
BANGOR, MAINE 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO
PORTLAND,
(207) 822-630

website: www.maine.gov/dep

ATTACHMENT B

ASBESTOS ANALYTICAL LABORATORY CERTIFICATION

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JANET T. MILLS
GOVERNOR

MELANIE LOYZIM
COMMISSIONER

September 14, 2022

Attn: Lorie Dennis,| Quality Assurance Administrative Assistant
EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

Dear Ms. Dennis,

This is to confirm that the Maine Department of Environmental Protection is in receipt of your request to add the following labs to your licensing of Analytical Laboratories: Boston, MA., South Portland, Maine and Wallingford, CT.

LA-0038 for Asbestos Analytical Laboratory (Air), expires on 10/31/2023
LB-0039 for Asbestos Analytical Laboratory (Bulk), expires on 10/31/2023

Remember each laboratory must have certified individual(s) within the lab to perform analyses.

If you need any further assistance please feel free to contact me at (207) 242-0877 or e-mail at sandy.j.moody@maine.gov.

Sincerely,

Sandra J. Moody

Sandra J. Moody, Environmental Specialist
Division of Remediation
Bureau of Remediation and Waste Management

AUGUSTA
17 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0017
(207) 287-7688 FAX: (207) 287-7826
RAY BLDG., HOSPITAL ST.

BANGOR
106 HOGAN ROAD, SUITE 6
BANGOR, MAINE 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO ROAD
PORTLAND, MAINE 04103
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04679-2094
(207) 764-0477 FAX: (207) 760-3143

web site: www.maine.gov/dep

State of Maine
Department of Environmental Protection

LICENSE

EMSL Analytical, Inc.

Asbestos Analytical Laboratory
(Bulk)

License Number: LB-0039 **Expiration Date: 10/31/2023**

State of Maine
Department of Environmental Protection

LICENSE

EMSL Analytical, Inc.

Asbestos Analytical Laboratory
(Air)

License Number: LA-0038

Expiration Date: 10/31/2023

S. PORTLAND - INDIVIDUAL ANALYST CERTIFICATIONS

State of Maine

August 25, 2022

Employee Name	*Lab Location*	*State Certified*	*Certification No.*	*Type of Cert.*	*Exp. Date*
Stephen Severn	S. Portland	Maine	AA-0497	Air Asbestos Analyst	2/28/2023
Stephen Severn	S. Portland	Maine	BA-0178	Bulk Asbestos Analyst	2/28/2023
Thomas Stegeman	S. Portland	Maine	BA-0197	Bulk Asbestos Analyst	2/28/2023
Samantha Voigt	S. Portland	Maine	BA-0188	Bulk Asbestos Analyst	2/28/2023
Samantha Voigt	S. Portland	Maine	AA-0556	Air Asbestos Analyst	8/31/2023

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 500094-0

EMSL Analytical, Inc.

South Portland, ME

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2022-10-01 through 2023-09-30

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EMSL Analytical, Inc.
161 John Roberts Road
South Portland, ME 04106
Ms. Samantha Voigt
Phone: 207-517-6921
Email: svoigt@emsl.com
http://www.emsl.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 500094-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code	*Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Laboratory ID: LAP-100194

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

☑	**INDUSTRIAL HYGIENE**	Accreditation Expires: January 01, 2023
☑	**ENVIRONMENTAL LEAD**	Accreditation Expires: January 01, 2023
☑	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: January 01, 2023
☐	**FOOD**	Accreditation Expires:
☐	**UNIQUE SCOPES**	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Cheryl O. Morton

Cheryl O Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision20: 06/07/2022

Date Issued: 10/31/2022

AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077

Laboratory ID: LAP-100194
Issue Date: 06/09/2022

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 02/01/1989

IHLAP Scope Category	Field of Testing (FOT)	Technology sub-type/Detector	Published Reference Method/Title of In-house Method	Component, parameter or characteristic tested
Asbestos/Fiber Microscopy Core	Phase Contrast Microscopy (PCM)	-	NIOSH 7400	Asbestos/Fibers
Asbestos/Fiber Microscopy Core	Polarized Light Microscopy (PLM)	-	EPA 600/R-93/116	Asbestos & Other Fibers in Bulk
Asbestos/Fiber Microscopy Core	Transmission Electron Microscopy (TEM)	-	EPA AHERA - 40 CFR Part 763	Asbestos
Asbestos/Fiber Microscopy Core	Transmission Electron Microscopy (TEM)	-	NIOSH 7402	Asbestos/Fibers
Beryllium Testing	Inductively-Coupled Plasma	ICP/AES	NIOSH 7303 Modified	Beryllium
Beryllium Testing	Inductively-Coupled Plasma	ICP/MS	NIOSH 7300 Modified	Beryllium
Chromatography Core	GC/MS	-	EPA TO-15	Volatile Organic Compounds
Chromatography Core	Gas Chromatography	GC/ECD	NIOSH 5502 Modified	Aldrin & Lindane
Chromatography Core	Gas Chromatography	GC/ECD	NIOSH 5503 Modified	Polychlorinated biphenyls
Chromatography Core	Gas Chromatography	GC/ECD	NIOSH 5510 Modified	Chlordane
Chromatography Core	Gas Chromatography	GC/ECD	OSHA 1010 Modified	Ethylene Oxide
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1003 Modified	Halogenated Hydrocarbons
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1005 Modified	Methylene Chloride
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1400 Modified	Alcohols
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1500 Modified	Hydrocarbons
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1501 Modified	Aromatic Hydrocarbons
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1550 Modified	Total Petroleum Hydrocarbons

AIHA LAP™

IHLAP Scope Category	Field of Testing (FOT)	Technology sub-type/Detector	Published Reference Method/Title of In-house Method	Component, parameter or characteristic tested
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1603 Modified	Acetic Acid
Chromatography Core	Gas Chromatography	GC/FID	NIOSH 2000 Modified	Methyl Alcohol
Chromatography Core	Gas Chromatography (Diffusive Samplers)	-	NIOSH 1501	Aromatic Hydrocarbons
Chromatography Core	Ion Chromatography (IC)	-	NIOSH 6004 Modified	Sulfur Dioxide/Sulfate
Chromatography Core	Ion Chromatography (IC)	-	NIOSH 6011	Chlorine & Bromine
Chromatography Core	Ion Chromatography (IC)	-	NIOSH 7903	Inorganic Acids
Chromatography Core	Ion Chromatography (IC)	-	OSHA ID-214	Ozone
Chromatography Core	Ion Chromatography (IC)	-	OSHA ID-215 (Version 2) Modified	Hexavalent Chromium
Chromatography Core	Liquid Chromatography	HPLC/FL	NIOSH 2016	Formaldehyde
Chromatography Core	Liquid Chromatography	HPLC/UV	NIOSH 5506 Modified	Polynuclear Aromatic Hydrocarbons (PAHs)
Chromatography Core	Liquid Chromatography	LC/MS	NIOSH 9111 Modified	Methamphetamine, Fentanyl, delta 9-THC, Cocaine, Heroin
Miscellaneous Core	Gravimetric	-	NIOSH 0500	Total Dust
Miscellaneous Core	Gravimetric	-	NIOSH 0600	Respirable Dust
Miscellaneous Core	Gravimetric	-	NIOSH 5524	Metal Working Fluids
Miscellaneous Core	Thermo-optical Analysis (TOA)	-	NIOSH 5040	Elemental Carbon
Spectrometry Core	Atomic Absorption	CVAA	NIOSH 6009 Modified	Mercury
Spectrometry Core	Atomic Absorption	CVAA	OSHA ID-140 Modified	Mercury vapor
Spectrometry Core	Atomic Absorption	CVAA	OSHA ID-145	Mercury particulate
Spectrometry Core	Atomic Absorption	FAA	NIOSH 7082	Lead
Spectrometry Core	Atomic Absorption	GFAA	NIOSH 7105	Lead
Spectrometry Core	Inductively-Coupled Plasma	ICP/AES	NIOSH 7300 Modified	Lead
Spectrometry Core	Inductively-Coupled Plasma	ICP/MS	NIOSH 7300 Modified	Lead
Spectrometry Core	UV/VIS (Colorimetric)	-	NIOSH 6010	Hydrogen Cyanide
Spectrometry Core	X-ray Diffraction (XRD)	-	NIOSH 7500	Silica
Spectrometry Core	X-ray Diffraction (XRD)	-	OSHA ID-142	Silica

A complete listing of currently accredited IHLAP laboratories is available on the AIHA LAP, LLC website at: http://www.aihaaccreditedlabs.org

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Laboratory ID: LAP-100194

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

☑	**INDUSTRIAL HYGIENE**	Accreditation Expires: January 01, 2023
☑	**ENVIRONMENTAL LEAD**	Accreditation Expires: January 01, 2023
☑	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: January 01, 2023
☐	**FOOD**	Accreditation Expires:
☐	**UNIQUE SCOPES**	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA LAP, LLC requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Cheryl O. Morton

Cheryl O Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision20: 06/07/2022

Date Issued: 10/31/2022

AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077

Laboratory ID: LAP-100194
Issue Date: 06/09/2022

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

The EPA recognizes the AIHA LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air and composited wipes analyses are not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 01/18/1995

Component, parameter or characteristic tested	Technology sub-type/Detector	Method	Method Description *(for internal methods only)*
Airborne Dust	AA	NIOSH 7082	N/A
Composited Wipes	AA	EPA SW-846 3050B	N/A
		EPA SW-846 7000B	N/A
Paint	AA	EPA SW-846 3050B	N/A
		EPA SW-846 7000B	N/A
Settled Dust by Wipe	AA	EPA SW-846 3050B	N/A
		EPA SW-846 7000B	N/A
Soil	AA	EPA SW-846 3050B	N/A
		EPA SW-846 7000B	N/A

A complete listing of currently accredited ELLAP laboratories is available on the AIHA LAP, LLC website at: *http://www.aihaaccreditedlabs.org*

State of Maine

Laboratory Accreditation Program

Awards Accreditation To

EMSL Analytical, Inc.

Located at

200 Route 130 North, Cinnaminson, NJ 08077

For the demonstration of capability of performing the analyses listed on the attached accredited analyte list(s) as required by 22 M.R.S.A., Chapter 157-A.

Laboratory ID: NJ00037
Certificate Number: 2022021
Date of Issue: 2022-08-17
Expiration Date: 2024-08-16

Christine Blais
_____
Accreditation Officer

This certificate must be displayed with the corresponding analyte list.
This certificate supersedes all previously issued certificates. Continuing accreditation status is dependent on successful ongoing participation in the program. Customers may verify the laboratory's current accreditation status by calling (207) 287-1929.

Department of Health and Human Services
Maine Center for Disease Control and Prevention
286 Water Street
11 State House Station
Augusta, Maine 04333-0011
Tel: (207) 287-1929; Fax: (207) 287-4172
TTY: 1-800-606-0215

Field of Testing Summary for:

EMSL Analytical, Inc.

(800) 220-3675

200 Route 130 North
Cinnaminson, NJ 08077

As required by 22 M.R.S.A Chapter 157-A the laboratory demonstrated the capability to analyze samples under 10-144 and 06-096 CMR 263, the rule for laboratory accreditation and is hereby granted accreditation for:

Environmental Lead in Air	
Environmental Lead	Lead Certification Program
Environmental Lead in Dust Wipes	
Environmental Lead	Lead Certification Program
Environmental Lead in Paint Chips	
Environmental Lead	Lead Certification Program
Environmental Lead in Soil	
Environmental Lead	Lead Certification Program
EPA 100.2	
Asbestos	Safe Drinking Water Program (DW)
EPA 1623.1	
Cryptosporidium	Safe Drinking Water Program (DW)
Giardia	Safe Drinking Water Program (DW)
EPA 200.8 Rev. 5.4	
Lead	Safe Drinking Water Program (DW)
EPA 537 Rev. 1.1	
Perfluorobutanesulfonic acid (PFBS)	Safe Drinking Water Program (DW)
Perfluorodecanoic acid (PFDA)	Safe Drinking Water Program (DW)
Perfluorododecanoic acid (PFDoA)	Safe Drinking Water Program (DW)
Perfluoroheptanoic acid (PFHpA)	Safe Drinking Water Program (DW)
Perfluorohexanesulfonic acid (PFHxS)	Safe Drinking Water Program (DW)
Perfluorohexanoic acid (PFHxA)	Safe Drinking Water Program (DW)
Perfluorononanoic acid (PFNA)	Safe Drinking Water Program (DW)
Perfluorooctanesulfonic acid (PFOS)	Safe Drinking Water Program (DW)
Perfluorooctanoic acid (PFOA)	Safe Drinking Water Program (DW)
Perfluorotetradecanoic acid (PFTA)	Safe Drinking Water Program (DW)
Perfluorotridecanoic acid (PFTrDA)	Safe Drinking Water Program (DW)
Perfluoroundecanoic acid (PFUnA)	Safe Drinking Water Program (DW)
EPA 537.1 1.0	
11-chloroeicosafluoro-2-oxaundecane-1-sulfonic acid (11C1-PF3OUdS)	Safe Drinking Water Program (DW)
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	Safe Drinking Water Program (DW)
9-chlorohexadecafluoro-2-oxanone-1-sulfonic acid (9C1-PF3ONS)	Safe Drinking Water Program (DW)
Hexafluoropropyleneoxide dimer acid (HFPO-DA)	Safe Drinking Water Program (DW)
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	Safe Drinking Water Program (DW)
N-methyl perfluooctanesulfonamidoacetic acid (NMeFOSAA)	Safe Drinking Water Program (DW)
Perfluorobutanesulfonic acid (PFBS)	Safe Drinking Water Program (DW)
Perfluorodecanoic acid (PFDA)	Safe Drinking Water Program (DW)
Perfluorododecanoic acid (PFDoA)	Safe Drinking Water Program (DW)

To be considered valid, this Fields of Testing Summary must be displayed with a current certificate.

NJ00037 54
Certificate Number: 2022021 (344)
FOT Issue Date: 2022-08-17
Expiration Date: 2024-08-16

Christine Blais

Christine Blais, Accreditation Officer

Perfluoroheptanoic acid (PFHpA)	Safe Drinking Water Program (DW)
Perfluorohexanesulfonic acid (PFHxS)	Safe Drinking Water Program (DW)
Perfluorohexanoic acid (PFHxA)	Safe Drinking Water Program (DW)
Perfluorononanoic acid (PFNA)	Safe Drinking Water Program (DW)
Perfluorooctanesulfonic acid (PFOS)	Safe Drinking Water Program (DW)
Perfluorooctanoic acid (PFOA)	Safe Drinking Water Program (DW)
Perfluorotetradecanoic acid (PFTA)	Safe Drinking Water Program (DW)
Perfluorotridecanoic acid (PFTrDA)	Safe Drinking Water Program (DW)
Perfluoroundecanoic acid (PFUnA)	Safe Drinking Water Program (DW)
EPA 8082A	
Aroclor-1016 (PCB-1016)	Resource Conservation Recovery Program (NPW)
Aroclor-1016 (PCB-1016)	Resource Conservation Recovery Program (S)
Aroclor-1221 (PCB-1221)	Resource Conservation Recovery Program (NPW)
Aroclor-1221 (PCB-1221)	Resource Conservation Recovery Program (S)
Aroclor-1232 (PCB-1232)	Resource Conservation Recovery Program (NPW)
Aroclor-1232 (PCB-1232)	Resource Conservation Recovery Program (S)
Aroclor-1242 (PCB-1242)	Resource Conservation Recovery Program (NPW)
Aroclor-1242 (PCB-1242)	Resource Conservation Recovery Program (S)
Aroclor-1248 (PCB-1248)	Resource Conservation Recovery Program (NPW)
Aroclor-1248 (PCB-1248)	Resource Conservation Recovery Program (S)
Aroclor-1254 (PCB-1254)	Resource Conservation Recovery Program (NPW)
Aroclor-1254 (PCB-1254)	Resource Conservation Recovery Program (S)
Aroclor-1260 (PCB-1260)	Resource Conservation Recovery Program (NPW)
Aroclor-1260 (PCB-1260)	Resource Conservation Recovery Program (S)
EPA 900	
Gross-alpha	Safe Drinking Water Program (DW)
Gross-beta	Safe Drinking Water Program (DW)
EPA 903.0	
Radium-226	Safe Drinking Water Program (DW)
EPA 904.0	
Radium-228	Safe Drinking Water Program (DW)
EPA 906.0	
Tritium	Safe Drinking Water Program (DW)
SM 9223 B (Colilert® Quanti-Tray®) 20th ED	
Escherichia coli	Safe Drinking Water Program (DW)
SM 9223 B (Colilert®-18 Quanti-Tray®) 20th ED	
Escherichia coli	Safe Drinking Water Program (DW)

To be considered valid, this Fields of Testing Summary must be displayed with a current certificate.

NJ00037 54

Certificate Number: 2022021 (344)

FOT Issue Date: 2022-08-17

Expiration Date: 2024-08-16

Christine Blais

Christine Blais, Accreditation Officer

Printed: 9/22/2022

ATTACHMENT C

LABORATORY ANALYTICAL RESULTS

EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106

Tel/Fax: (207) 517-6921 / (207) 517-6922

http://www.EMSL.com / portlandlab@emsl.com

EMSL Order:	622300551
Customer ID:	CESI62
Customer PO:	
Project ID:	

Attention:	Dennis Kingman	**Phone:**	(207) 989-4824
	Haley Ward	**Fax:**	(207) 989-4881
	1 Merchant's Plaza	**Received Date:**	05/04/2023 10:00 AM
	7th Floor	**Analysis Date:**	05/08/2023
	Bangor, ME 04401	**Collected Date:**	05/03/2023
Project:	10429.022-01 Caribou Bin Wall		

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
C-BW	Bin Wall- Bridge Street - Surface	Gray Fibrous		70% Non-fibrous (Other)	30% Chrysotile
622300551-0001	Coating	Homogeneous			
			HA: -001A		
C-BW	Bin Wall- Bridge Street - Surface				Positive Stop (Not Analyzed)
622300551-0002	Coating				
			HA: -001B		
C-BW	Bin Wall- Bridge Street - Surface				Positive Stop (Not Analyzed)
622300551-0003	Coating				
			HA: -001C		

Report Comment: **ME CERT # BA-0178**

Analyst(s)

Stephen Severn (1)

Stephen Severn, Technical Manager
or Other Approved Signatory

Initial report from: 05/08/2023 19:44:12

OrderID: 622300551

Asbestos Bulk Building Materials - Chain of Custody

EMSL Order Number / Lab Use Only: 622300551

EMSL Analytical, Inc.
161 John Roberts Road
South Portland, ME 04106
PHONE: (207) 517-6921
EMAIL: portlandlab@emsl.com

EMSL ANALYTICAL, INC. LABORATORY • PRODUCTS • TRAINING

Customer Information

Customer ID:	
Company Name:	Haley Ward
Contact Name:	Dennis Kingman
Street Address:	1 Merchant's Plaza 7th Floor
City, State, Zip:	Bangor ME 04401 Country: US
Phone:	207-989-4824
Email(s) for Report:	dkingman@haleyward.com

Billing Information

Billing ID:	
Company Name:	Haley Ward
Billing Contact:	Julie Oreskovich/Dennis Kingman
Street Address:	1 Merchant's Plaza, 7th Floor
City, State, Zip:	Bangor ME Country: US
Phone:	207-989-4824
Email(s) for Invoice:	dkingman@haleyward.com

Project Information

Project Name/No:	10429.022-01 Caribou Bin Wall
Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)	
US State where samples collected:	ME
State of Connecticut (CT) must select project location:	☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name:	DBK
Sampled By Signature:	
Date Sampled:	05/03/2023
No. of Samples in Shipment:	3

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.

Test Selection

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)

TEM - Bulk

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

Other Tests (please specify)

☑ Positive Stop - Clearly Identified Homogeneous Areas (HA)

Sample Number	HA Number	Sample Location	Material Description
C-BW	-001A	Bin Wall - Bridge Street	Surface Coating
C-BW	-001B	Bin Wall - Bridge Street	Surface Coating
C-BW	-001C	Bin Wall - Bridge Street	Surface Coating

RECEIVED
MAY 04 2023
BY: AR

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

Method of Shipment: FedEx		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time: 05/03/23-160	Received by: AR	Date/Time 5/4/23 10:00am
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - Asbestos Bulk.R7 9/14/2021

☑ 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.

FedEx # 7966 2552 2883

ATTACHMENT D

PHOTOGRAPHIC LOG

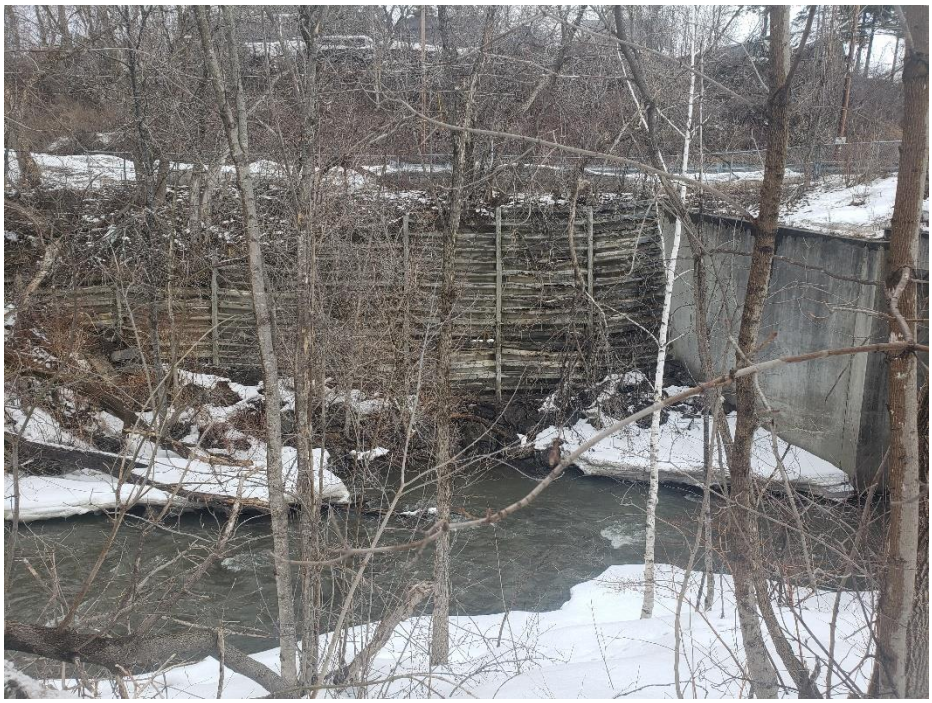
Photo No. 1	
Photo Date: April 7, 2023	
Site Location: Bridge Street Caribou, Maine	
Description: Bin Wall on northwest side of Bridge Street bridge over Caribou Stream.	
Photo By: DSH	

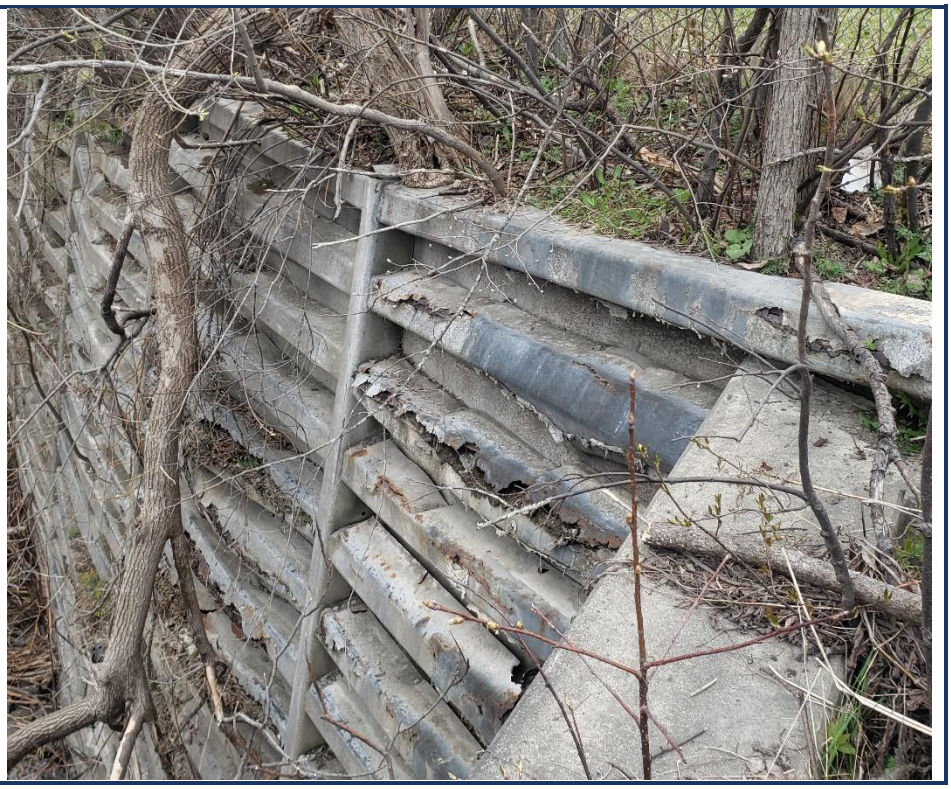
Photo No. 2	
Photo Date: May 3, 2023	
Site Location: Bridge Street Caribou, Maine	
Description: View of Bin Wall showing rust and corrosion damage.	
Photo By: BDS	

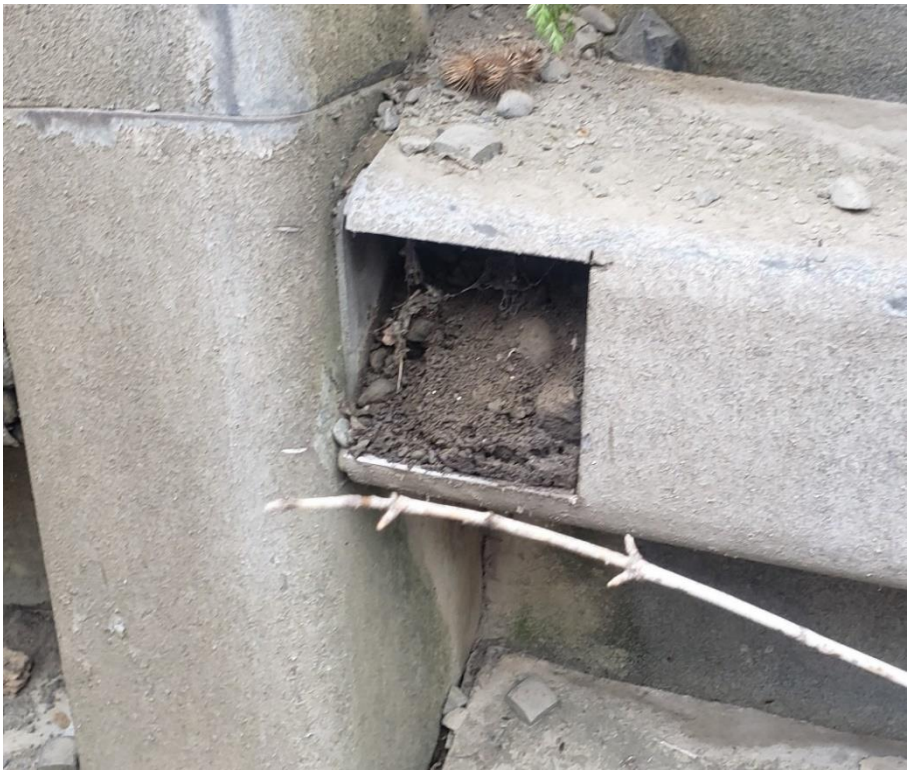
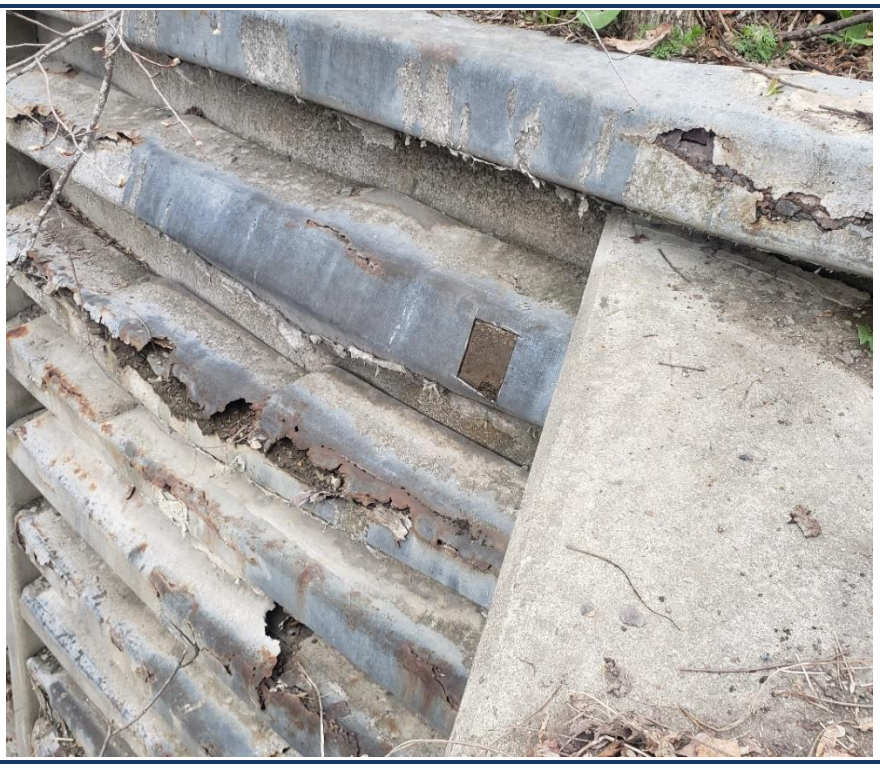
Photo No. 3 **Photo Date:** May 3, 2023 **Site Location:** Bridge Street Caribou, Maine **Description:** Sample location showing Bin Wall structure. **Photo By:** BDS	

Photo No. 4 **Photo Date:** May 3, 2023 **Site Location:** Bridge Street Caribou, Maine **Description:** Sample location at top of Bin Wall. **Photo By:** BDS	

ATTACHMENT E

FIELD SKETCH

HALEY WARD
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PAGE 1 OF 1

PROJECT: PIN #018984.00 Caribou JOB # BR#0181

SUBJECT: 10429,000 Caribou Stream Bridge

COMP. BY: _____ CHK. BY: _____ DATE: 05/03/2023