



11815 NE 99th Street, Suite 1294
Vancouver, WA 98662
Voice: 360-574-3058
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Web: <https://www.swcleanair.gov>
Email: Tina@swcleanair.gov

Notice of Intent to Remove Asbestos

Case #: 24-177

Amendment: 0

Date Received: 3/22/2024

Date Paid: 3/22/2024

SWCAA Fee: \$147.00

Receipt #: 153222474

This notification MUST be present at all times at the asbestos project sit

Quantity to be removed: 150 Square Feet 0 Linear Feet

Workshift days: M T W Th F

Project starting date: 4/1/2024 Project Completion date: 4/5/2024

Workshift hours: 8:00AM - 4:30PM

Site Name: Discovery High School

Site address: 2742 Harding St

Location of Asbestos: Attic

City/State/Zip: Longview

WA 98632

☐ Demolition of Structure (Notification of Demolition required)

County: COWLITZ COUNTY

☒ Asbestos survey conducted?

No survey reason:

AHERA Inspector: Thomas Nadermanm

Certification #: IRO-23-6998A

Material to be Removed:

☐ Fireproofing ☐ Popcorn Ceiling ☐ CAB ☐ Sheet Vinyl ☐ Boiler Insulation ☐ Duct Tape
☐ Duct Paper ☐ Mag Pipe Insulation ☐ Air Cell ☐ CA Pipe ☐ VAT

☒ Other Debris in space

Control Methods:

☒ N.P Enclosure ☐ Glove Bag ☐ Mini Enclosure ☐ Wrap and Cut ☐ Water ☒ HEPA Vac
☐ Other

Asbestos Contractor: Keystone Contracting, Inc.

Phone: 360-887-0868

Mailing Address: 417 NW 209th St, Ridgefield, WA, 98642

Email: keystone417@tds.net

Certification ##: ABCN00001024

Supervisor: Martin Ortiz

Phone: 360-353-6423

Property Owner: Longview School District #122

Phone: 360-515-7000

Mailing Address: 2715 Lilac Street, longview WA 98632

Asbestos Disposal Site: Wasco County Landfill: 2550 Steele Rd, The Dalles, OR, 97058-

**I DO HEREBY CERTIFY THAT THE INFORMATION CONTAINED IN THIS NOTIFICATION IS,
TO THE BEST OF MY KNOWLEDGE, ACCURATE AND COMPLETE.**

Submitter Name: Kamala Lopez

Representing: Keystone Contracting, Inc

Submitter Title: Office Manger

Date Submitted: 3/22/2024

Reviewed by SWCAA: Brian Fallon

☒ Approved



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Limited Lead and Asbestos Survey Report

**Discovery High School
2742 Harding Street
Longview, Washington**



Assessment Date(s): May 19, 23, and 24, 2023

Report Date: June 6, 2023

Prepared for: Jason Reetz
Facilities Manager

Property Owner: Longview School District
2715 Lilac Street
Longview, Washington

Phone: (360) 575-7000



Limited Lead and Asbestos Survey Report

Introduction

Ed Wilson and Kyllikki Johnson with Sterling Technologies (Sterling) conducted a limited onsite lead and asbestos survey of the Discovery High School property located at 2742 Harding Street, in Longview, Washington, on May 19, 23, and 24, 2023. The purpose of the investigation was to identify the presence and location of suspect lead-based coatings and asbestos-containing materials (ACMs) that may be impacted by the planned indoor air quality (IAQ) improvements to the school building. The assessment did not include materials in areas not impacted by this scope of work or behind building and/or structure surfaces where not visible or hidden.

Note that the roof deck work areas of the building are outside the scope of this inspection and will be inspected by others.

Results Summary

ACM materials were DETECTED in the planned work areas of the school buildings.

Lead-based paint was NOT detected in the planned work areas of the school buildings.

See the Photo Log portion of this report for photo documentation of the inspection.

Construction

According to AHEARA documentation for the Discovery High School, the date of construction is unavailable. Suspect asbestos-containing materials that make up the walls, flooring, and ceiling surfaces that may be impacted by the planned IAQ improvement scope of work within the school include:

- Wall composite materials
- Ceiling tiles and glue dots

Note that the roof deck work area of the building was outside the scope of this inspection and will be inspected by others.

Report continued next page...



Analytical Protocols

Asbestos

The suspect asbestos-containing material samples were collected by EPA accredited inspector staff provided by Sterling and were analyzed by Eurofins in Orlando, Florida. The asbestos samples were analyzed using polarizing light microscopy (PLM) with dispersion staining in accordance with the methods described by the EPA and by the National Institute of Standards and Technology.

In Washington, materials with greater than one percent (1%) asbestos are regulated as asbestos-containing materials (ACMs) per WAC-296-62-077. Materials containing asbestos above 1% are regulated under OSHA and have specific training and handling requirements. In some cases, abatement of these materials is recommended. Building owners are required to identify ACMs in their buildings and to inform contractors of their locations prior to any remodeling, renovation, or demolition activities that could disturb these materials.

Lead-Based Coatings

The suspect lead-based paint samples were collected by EPA accredited inspector staff provided by Sterling and were analyzed by Eurofins in Tustin, California. The lead-based paint samples were analyzed using lead flame analysis (e.g., NIOSH 7082 – Atomic absorption spectrophotometer, flame, EPA 7000B – Flame atomic absorption spectrophotometry) in accordance with the methods described by the EPA and by the National Institute of Standards and Technology.

Washington regulations do not require that lead-based paint be removed, but when it is disturbed, damaged, repainted, repaired, or the area renovated, remodeled, or removed, it must be dealt with in a proper manner by EPA trained contractors to protect building occupants, workers, and the environment through the use of Lead Safe Practices. These practices are explained in the joint EPA-HUD Curriculum Lead Safety for Renovation, Repair and Painting, EPA-740-R-09-002.

Lead is considered a hazard when equal to or exceeding 40 micrograms of lead in dust per square foot on floors, 250 micrograms of lead in dust per square foot on interior window sills, and 400 parts per million (ppm) of lead in bare soil in children's play areas or 1200 ppm average for bare soil in the rest of the yard. Lead in paint is regulated for all coatings exceeding the 5,000 ppm standard.

For lead concentrations below 5,000 ppm and above 90 ppm, the OSHA implications of lead-in-air should be considered. Area monitoring of the project work area as well as personal monitoring of workers would apply as well as the appropriate use of personal protective equipment by workers given the presence of this hazard.

Report continued next page...



Sampling

Sterling Technologies collected samples which included representative amounts of suspect materials inter alia:

- Window Glazing
- Stucco
- Cement Pipes
- Cement Board/Transite
- Duct Tape/Paper
- Furnace Insulation
- Vinyl Sheet Flooring/Mastic
- Poured Flooring
- Pipe Insulation/Fittings
- Plaster/Wall Joints
- Textured Paints/Coatings
- Ceiling Tiles/Panels/Mastic
- Spray-applied Insulation
- Fireproofing
- Sink Insulation
- Packing Materials
- High Temperature Gaskets
- Lab Hoods/Table Tops
- Fire Blankets
- Fire Curtains/Hose
- Elevator Brake Shoes
- Asphalt Flooring
- Paper on backside of Fiberglass Insulation
- Paper Fire Box in Walls
- Fire Doors
- HVAC Duct Insulation
- Boiler/Tank Insulation
- Ductwork Flexible Connections
- Construction Mastic
- Acoustical Ceiling Texture (popcorn)
- Electrical Panel Partitions
- Electrical Cloth
- Electrical Wiring Insulation
- Chalkboards
- Roofing Shingles
- Built-up Roofing
- Base Flashing
- Rolled Roofing
- Caulking/Putties
- Incandescent Light Fixture Backing
- Joint Compound/Wallboard
- Brick Mortar
- Vinyl Wall Covering
- Vapor Barrier
- Cement Roofing Shingles
- Gray Roofing Paint
- Nicolet (white) Roofing Paper
- Subfloor Slip Sheet
- Mudded Pipe Elbow Insulation
- Vinyl Floor Tile/Mastic

Note: This list does not include every product that may contain asbestos. It is intended as a general guide to show which types of materials may contain asbestos.

Report continued next page...



Assessment Results

Analytical Results: Asbestos Containing Materials (ACM)

Sample ID.: D-1	Location: Classroom 18 - wall system - #1
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
White drywall with brown paper	ND
White joint compound	ND
Sample ID.: D-2	Location: Classroom 18 – ceiling tile - #1
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
Brown ceiling tile with white surface	ND
Sample ID.: D-3	Location: Classroom 18 – attic insulation - #1
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
Pink insulation	ND
White texture	ND
Sample ID.: D-4	Location: Truancy Office Bathroom – wall system - #2
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
White drywall with brown paper and paint	ND
Sample ID.: D-6	Location: Hall outside Classroom 18 – ceiling system - #1
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
White drywall	ND
Sample ID.: D-8	Location: Hall outside Classroom 9 – old attic insulation - #1
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
Black insulation	ND
Sample ID.: D-11	Location: Counselor's Office – ceiling system - #2
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
White drywall with brown paper	ND
Sample ID.: D-12	Location: Hall outside Classroom 16A – ceiling system - #3
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
White drywall with brown paper	ND

ND = Non Detect

N/A = Not Applicable

Report continued next page...



Analytical Results: Asbestos Containing Materials (ACM) - continued

Sample ID.: D-13	Location: Hall outside Classroom 9 – ceiling cavity debris #4
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): For the planned ceiling penetrations in and adjacent to the main east-west hallway of the school, (Integrus drawing M401) the estimated impact to this loose debris is estimated at less than 159 Sq. Ft.
Description	Result
Gray fireproofing	3% Chrysotile

Sample ID.: D-14	Location: Hall outside Classroom 9 – composite roofing #1
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
Black roofing material	ND
Black felt paper	ND

Sample ID.: D-15	Location: Counselors office – attic pipe TSI #1
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
Yellow insulation	ND
Silver wrap with paint	ND
Brown paper	ND
Black mastic	ND

Sample ID.: D-16	Location: Truancy office – attic pipe TSI #2
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
Yellow insulation	ND
Silver wrap with fibrous backing	ND
Yellow mastic	ND

Sample ID.: D-17	Location: Hall outside Classroom 9 – attic pipe TSI #3
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
Yellow insulation	ND
Silver wrap with fibrous backing	ND
Yellow mastic	ND

Sample ID.: D-18	Location: Hall outside Classroom 9 – ceiling tile #2
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
Brown ceiling tile with white surface	ND

ND = Non Detect

N/A = Not Applicable

Report continued next page...



Analytical Results: Asbestos Containing Materials (ACM) - continued

Sample ID.: D-19	Location: Classroom 14 – ceiling tile #3
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
Gray ceiling tile with white surface	ND

Sample ID.: D-20	Location: Hall outside Classroom 5 – ceiling tile #4
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
Brown ceiling tile with white surface	ND

Sample ID.: D-21	Location: School Entry Foyer – ceiling tile #5
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
Brown ceiling tile with white surface	ND

Sample ID.: D-22	Location: Classroom 18 – N. interior wall system #3
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
White drywall with brown paper	ND
White joint compound with paint	ND

Sample ID.: D-23	Location: Classroom 11B – S. interior wall system #4
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
White plaster with paint	ND

Sample ID.: D-24	Location: Classroom 5 – S. interior wall system #5
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
White plaster with paint	ND

Sample ID.: D-25	Location: Attic above Classroom 11A – ceiling system #5
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
White drywall with brown paper	ND

Sample ID.: D-26	Location: Attic above Classroom 11A – glue dot #1
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
Brown glue	ND
Brown wood	ND

ND = Non Detect

N/A = Not Applicable

Report continued next page...



Analytical Results: Asbestos Containing Materials (ACM) - continued

Sample ID.: D-27	Location: Attic above Classroom 11A – old insulation #2
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
Black insulation	ND

Sample ID.: D-28	Location: Attic above Classroom 11B – ceiling system #6
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
White plaster with paint and brown paper	ND

Sample ID.: D-29	Location: Attic above Classroom 11B – glue dot #2
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
Brown glue	ND
White paper	ND
Brown paper	ND

Sample ID.: D-30	Location: Attic above Classroom 11B – old insulation #3
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
Black insulation	ND

Sample ID.: D-40	Location: School SSE exterior brick wall – grout #1
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
Gray grout	ND

Sample ID.: D-42	Location: School SSW exterior brick wall – grout #2
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
Gray grout	ND

Sample ID.: D-44	Location: School N exterior brick wall – grout #3
Friable (Y/N): N/A	Approx. Qty. (Sq. Ft./Linear Ft.): N/A.
Description	Result
Gray grout	ND

ND = Non Detect

N/A = Not Applicable

As detailed in the above tables, Sterling's analysis of the lab results for the 29 suspect ACM material samples collected from those portions of the school building that may be impacted by the planned IAQ improvement scope of work determined **one of the samples collected was found to be ACM**. The remaining 28 samples were found to **NOT** be ACM.

Report continued next page...



Analytical Results: Lead-in-Paint

Sample ID	Sample Location / Description	Sample Size	Result (ppm)
D-41	School SSE exterior wall paint #1	0.1880 grams	450 ppm
D-43	School SSW exterior wall paint #2	0.2430 grams	270 ppm
D-45	School NE exterior wall paint #3	0.2551 grams	89 ppm

As detailed in the above table, Sterling's analysis of the lab results for the 3 suspect lead-based coating samples collected from those portions of the school buildings that may be impacted by the planned IAQ improvement scope of work were found to NOT meet or exceed the 5,000 ppm HUD lead standard and are NOT considered lead-based paint.

Conclusions and Recommendations

Asbestos-Containing Materials:

Asbestos-containing materials WERE FOUND during this investigation.

As detailed in the above tables, Sterling's analysis of the lab results for the 29 suspect ACM material samples collected from those areas of the school building, where the planned IAQ improvements scope of work is planned, were found to NOT contain asbestos greater than 1%, other than the following one (1) sample.

- D-13: Hall outside Classroom 9 – ceiling cavity debris: **gray fireproofing**

As indicated in the tables above, the amount of this asbestos-containing materials that may be impacted by the planned IAQ improvement scope of work is estimated at less than 159 sq. ft. Any impact to this asbestos-containing material should be performed by licensed asbestos abatement contractors in accordance with all applicable local, state, and federal regulations.

Every effort was made to identify all suspect ACM during this survey that may be impacted by the planned IAQ improvement scope of work within the subject school buildings. As with any survey, there is always a chance that additional suspect materials may be encountered that were not obvious during the survey. If additional suspect ACM materials are discovered, work must stop until these materials can be tested and properly abated as necessary.

Lead-Based Paint Coatings

Lead-based paint coating materials were NOT found during this investigation.

As detailed in the above table, the lab results for the three (3) suspect lead-based coating samples collected from the school buildings that may be impacted by the planned IAQ improvement scope of work were found to NOT meet or exceed the 5,000 ppm HUD lead standard and are NOT considered lead-based paint.

Every effort was made to identify all suspect lead-based paint coatings during this survey that may be impacted by the planned IAQ improvement scope of work within the subject school buildings. As with any survey, there is always a chance that additional suspect materials might be encountered that were not obvious during the survey. If suspect lead-based paint coatings are discovered, work must stop until these materials are tested and properly abated as necessary.

Report continued next page...



Limitations

This report is for the exclusive use of the client, applies only to the specific subject property detailed above, and shall not be relied upon by any other party without the prior written consent of the undersigned.

Sterling Technologies acknowledges that despite a thorough inspection during the survey, hidden suspect materials may be present on site. Care should be taken not to disturb such materials until the actual content of these materials has been confirmed. Suspect materials must be treated as ACM and/or lead based coatings until testing proves otherwise.

Within the limitations of scope, schedule, and budget, our services have been executed in accordance with generally accepted practices in this area at the time this report was prepared. No other hazardous materials/wastes were investigated. No other conditions, expressed or implied, should be understood.

Recordkeeping

A copy of this limited lead and asbestos survey must be on-site during all demolition, and/or construction activities. Additional copies of this report are available from Sterling Technologies upon request. Unless otherwise requested, samples will be retained for a period of 30 days, after which they will be discarded. If you have any questions about these results or would like additional information, please feel free to call our office.

Sterling Technologies thanks you for this opportunity to be of service.

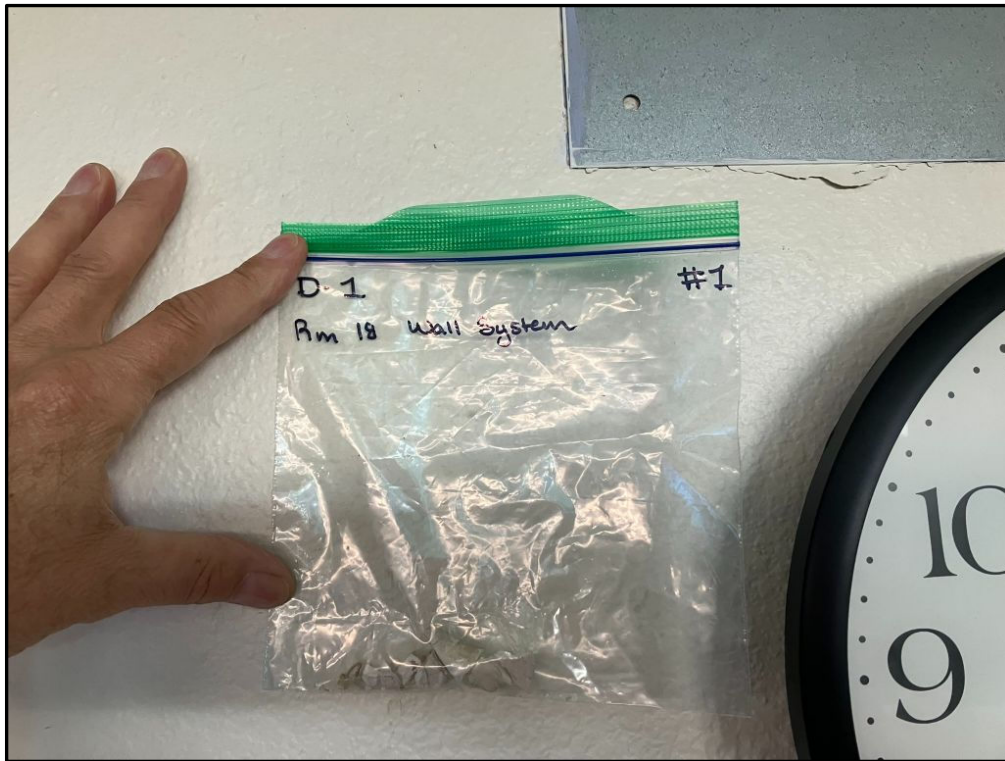
Sincerely,



Thomas Nadermann, M.S.
Principal
AHERA Inspector #155212



Photo Log

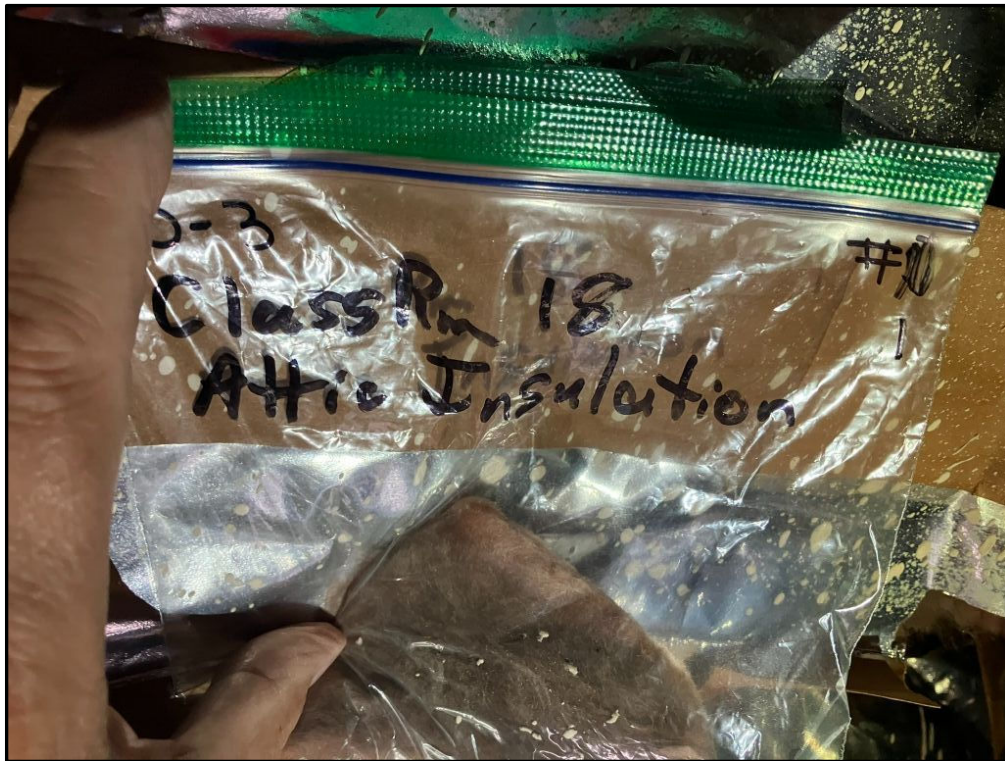


Sample D-1: Classroom 18 – Wall System

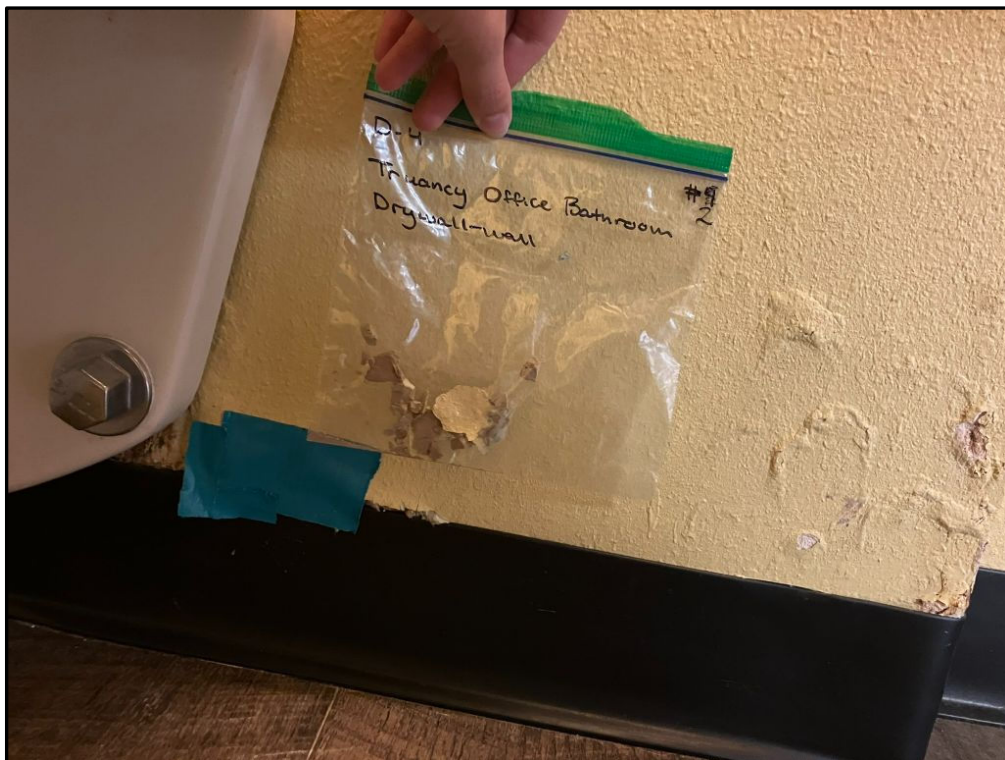


Sample D-2: Classroom 18 – Ceiling Tile

Photo Log (continued)



Sample D-3: Classroom 18 – Attic Insulation

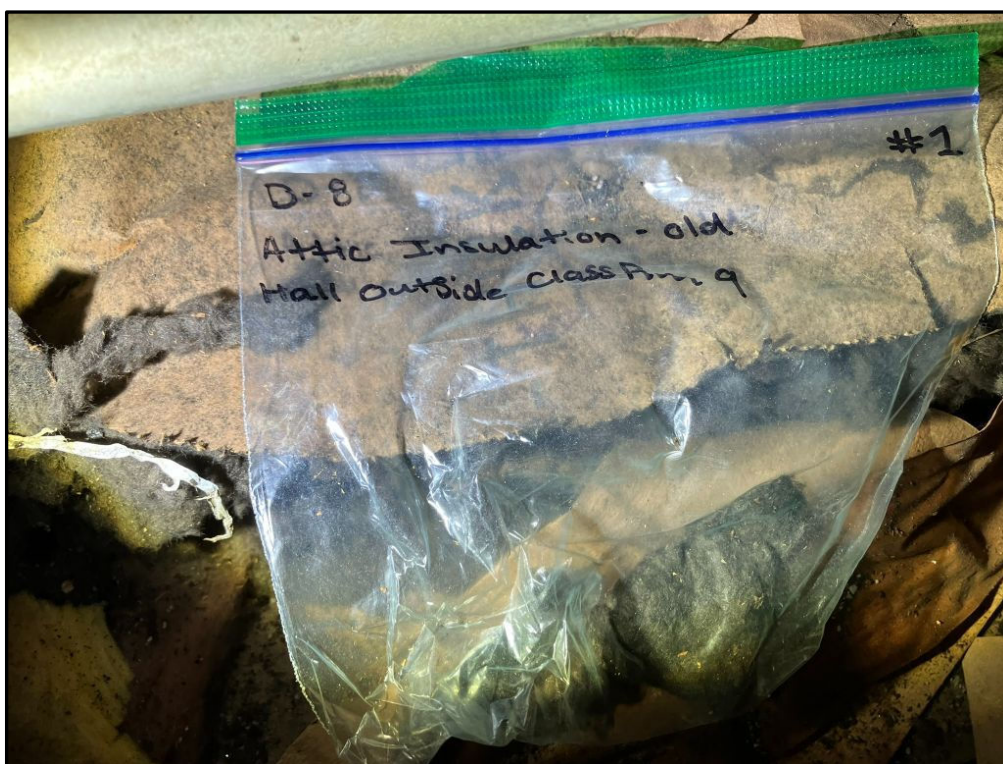


Sample D-4: Truancy Office Bathroom – wall system - #2

Photo Log (continued)



Sample D-6: Hall outside classroom 18 – ceiling system - #1

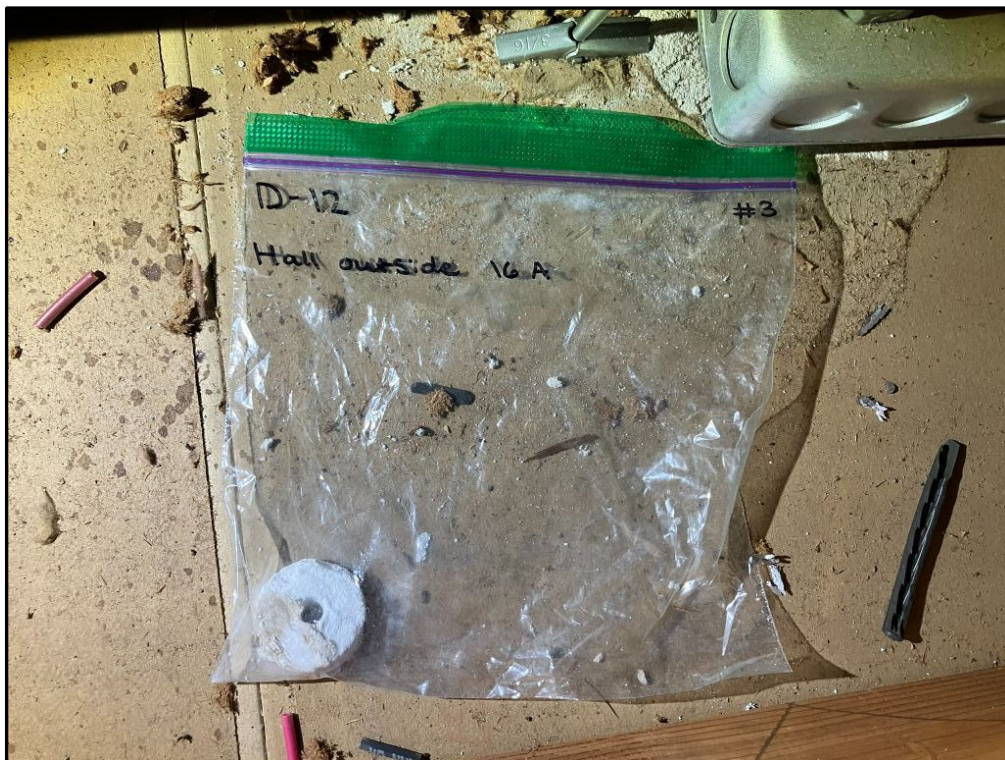


Sample D-8: Hall outside classroom 9 – old attic insulation - #1

Photo Log (continued)



Sample D-11: Counselor's Office – ceiling system - #2

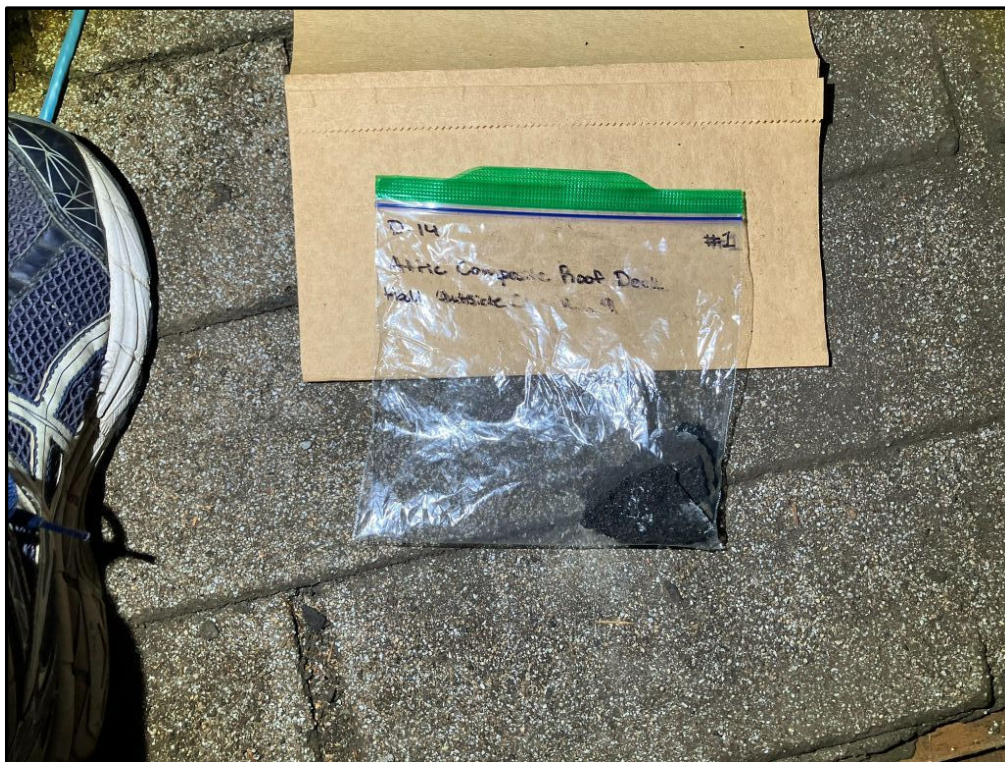


Sample D-12: Hall outside classroom 16A – ceiling system - #3

Photo Log (continued)

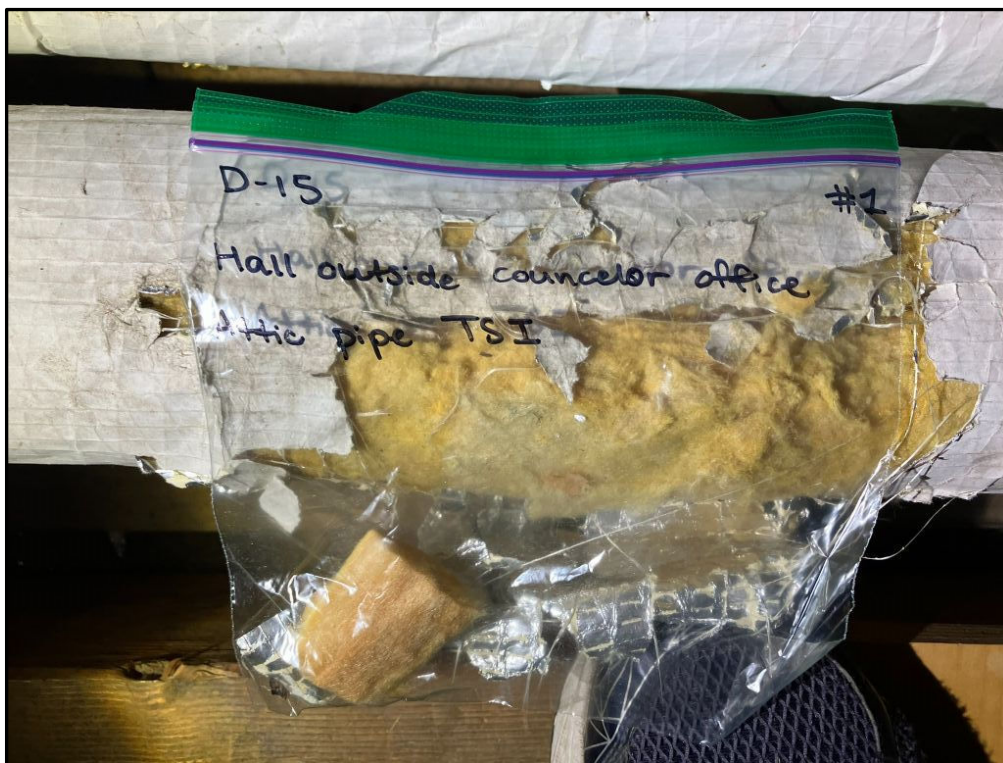


Sample D-13: Hall outside classroom 9 – ceiling system #4

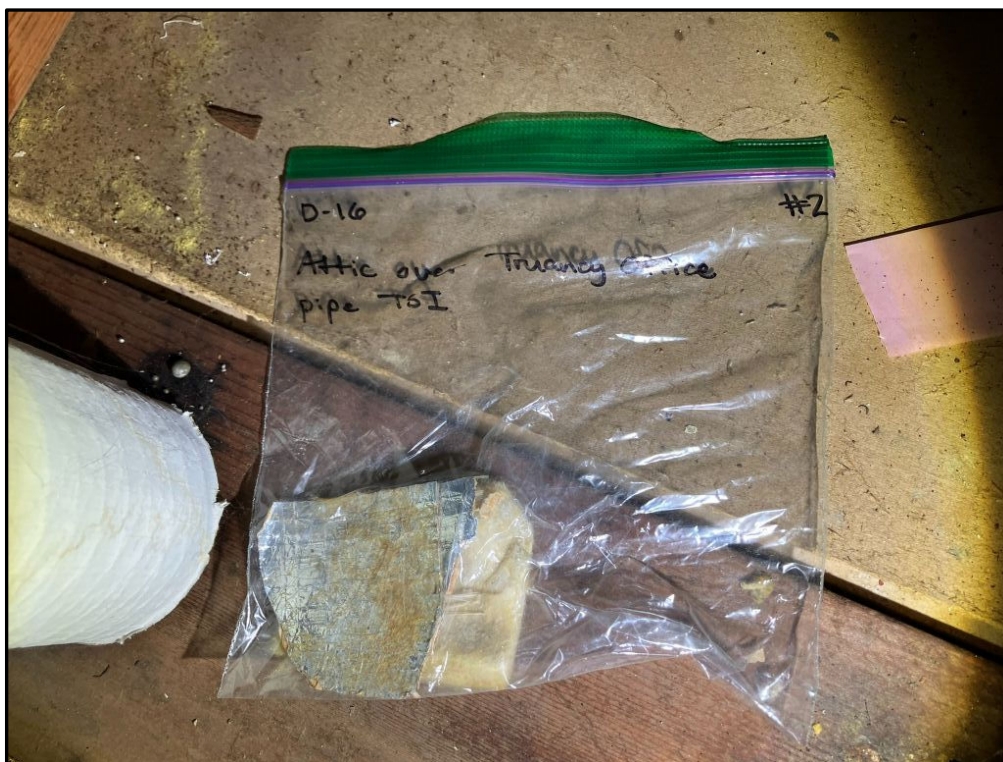


Sample D-14: Hall outside classroom 9 – composite roofing #1

Photo Log (continued)

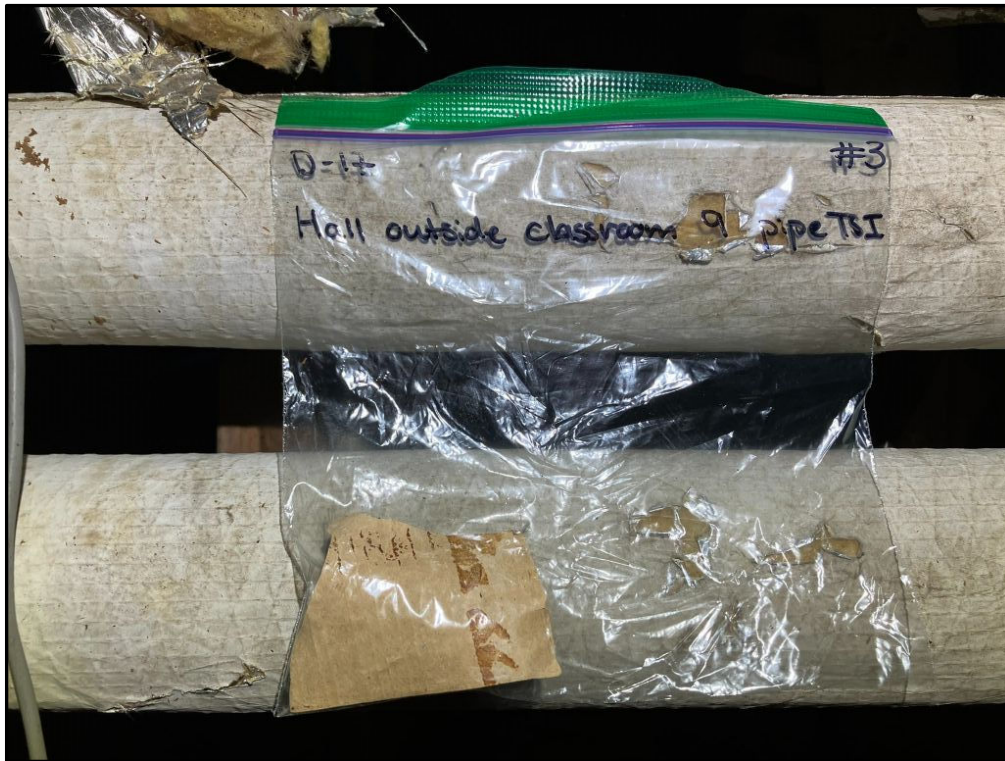


Sample D-15: Counselors office – attic pipe TSI #1

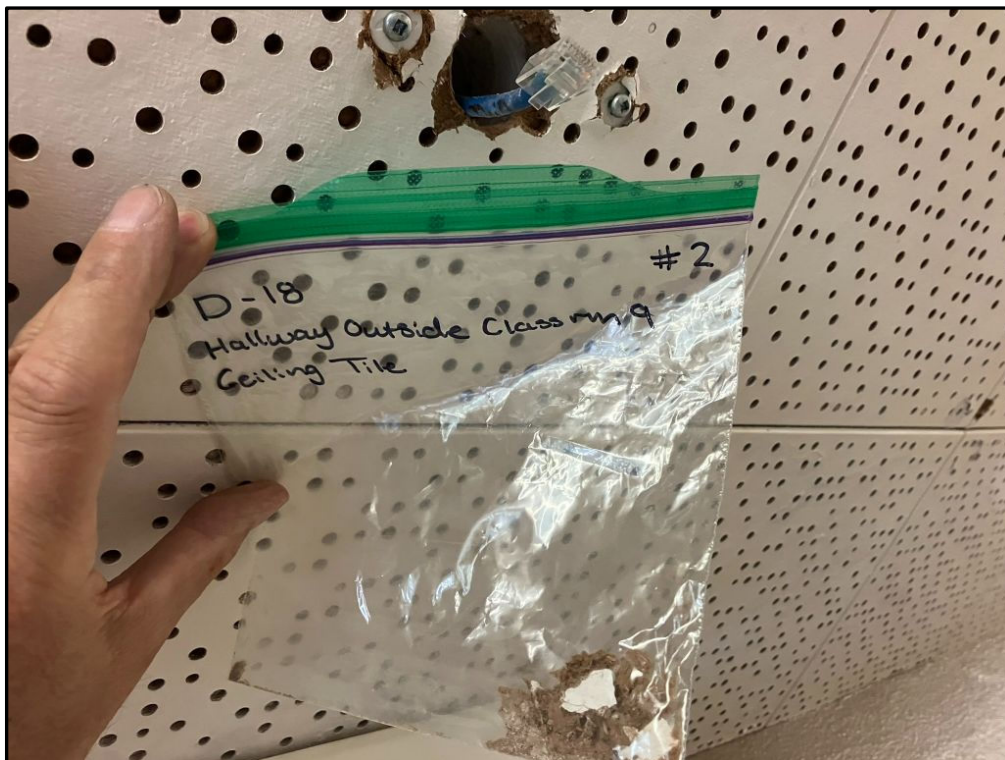


Sample D-16: Truancy office – attic pipe TSI #2

Photo Log (continued)

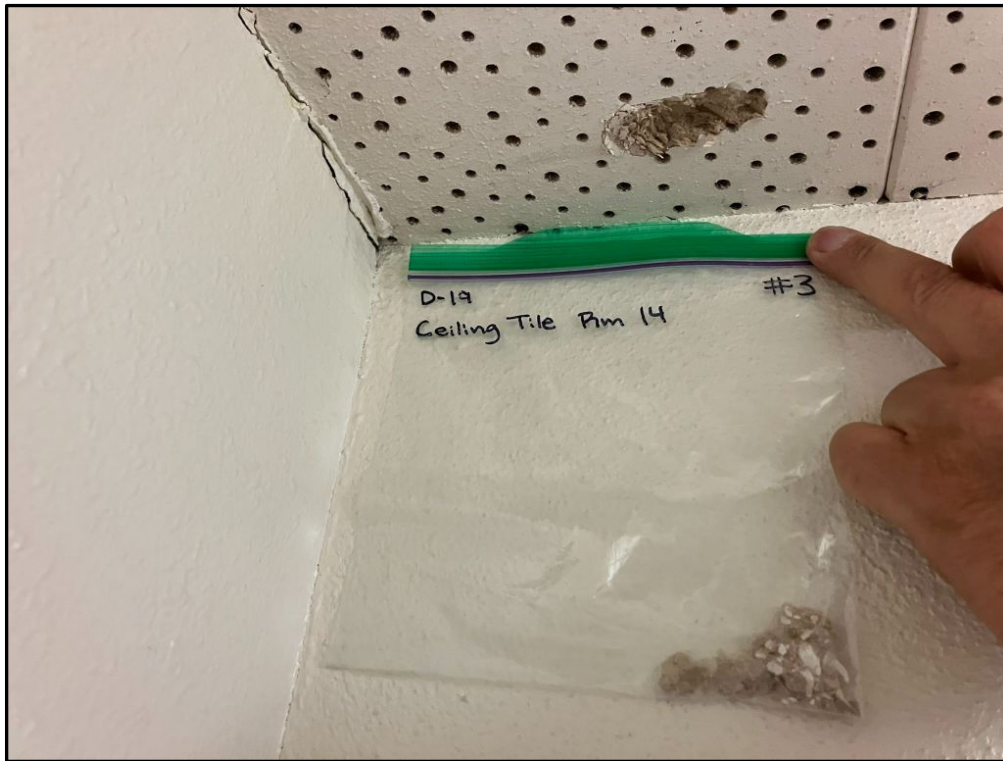


Sample D-17: Hall outside classroom 9 – attic pipe TSI #3



Sample D-18: Hall outside classroom 9 – ceiling tile #2

Photo Log (continued)

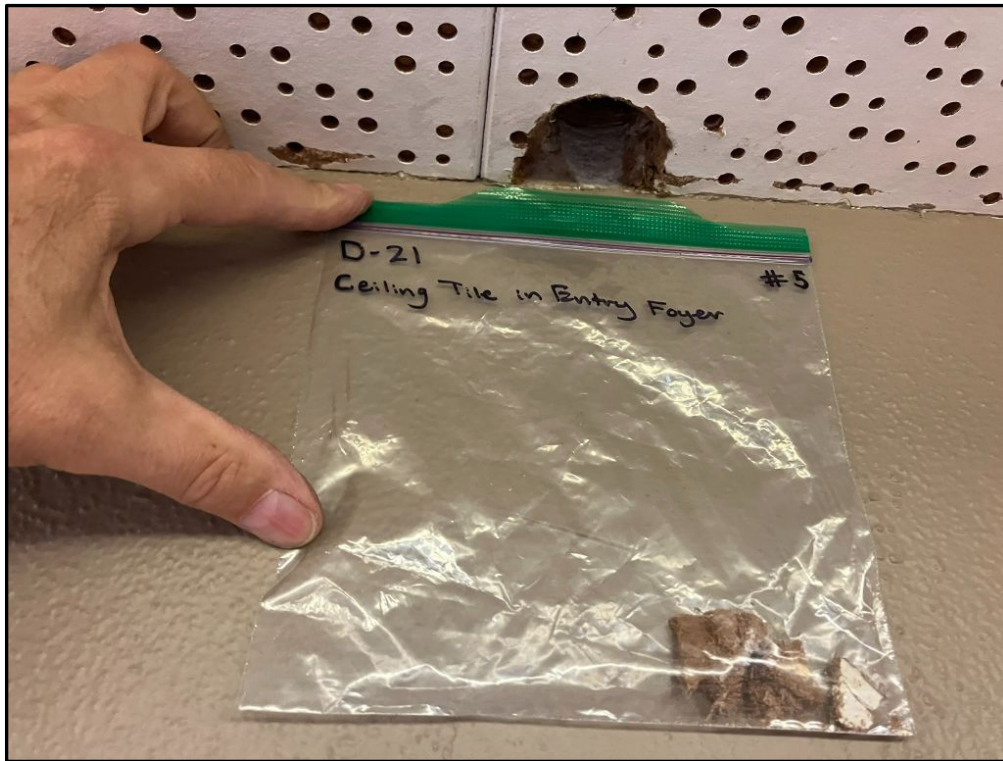


Sample D-19: Classroom 14 – ceiling tile #3

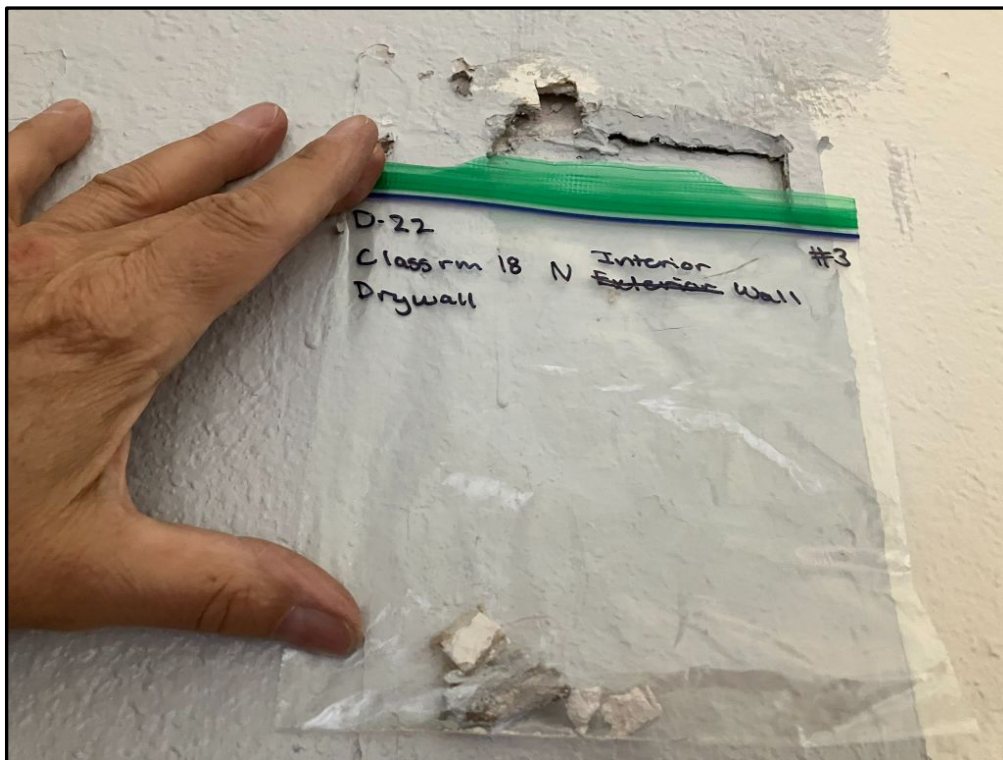


Sample D-20: Hall outside classroom 5 – ceiling tile #4

Photo Log (continued)

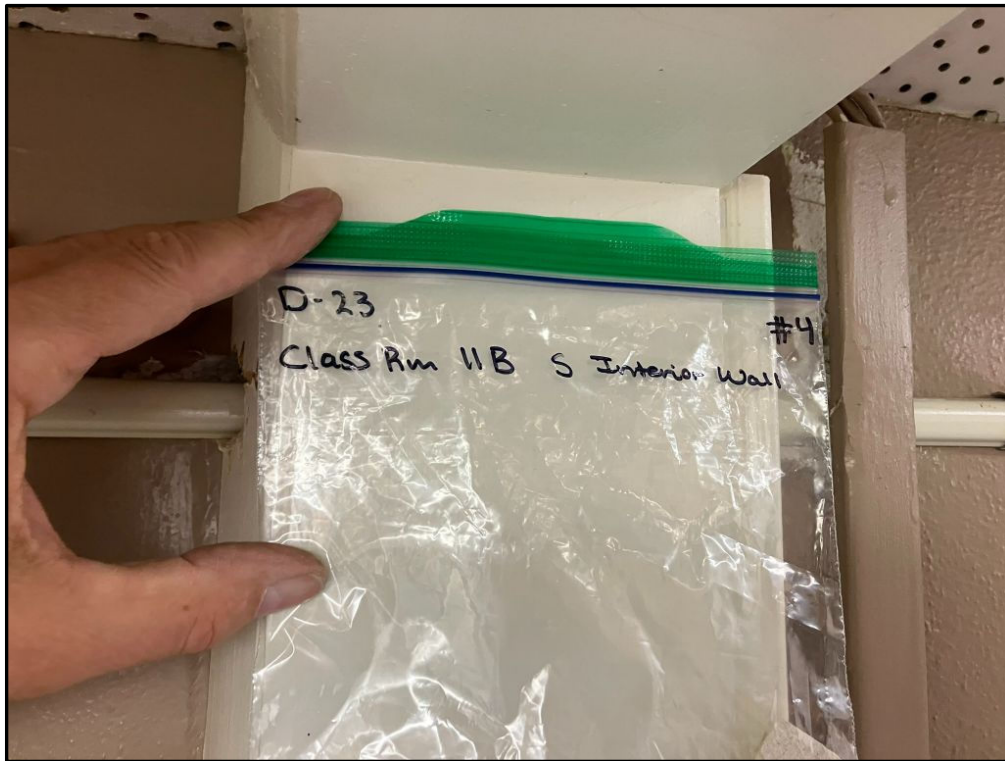


Sample D-21: School Entry Foyer – ceiling tile #5

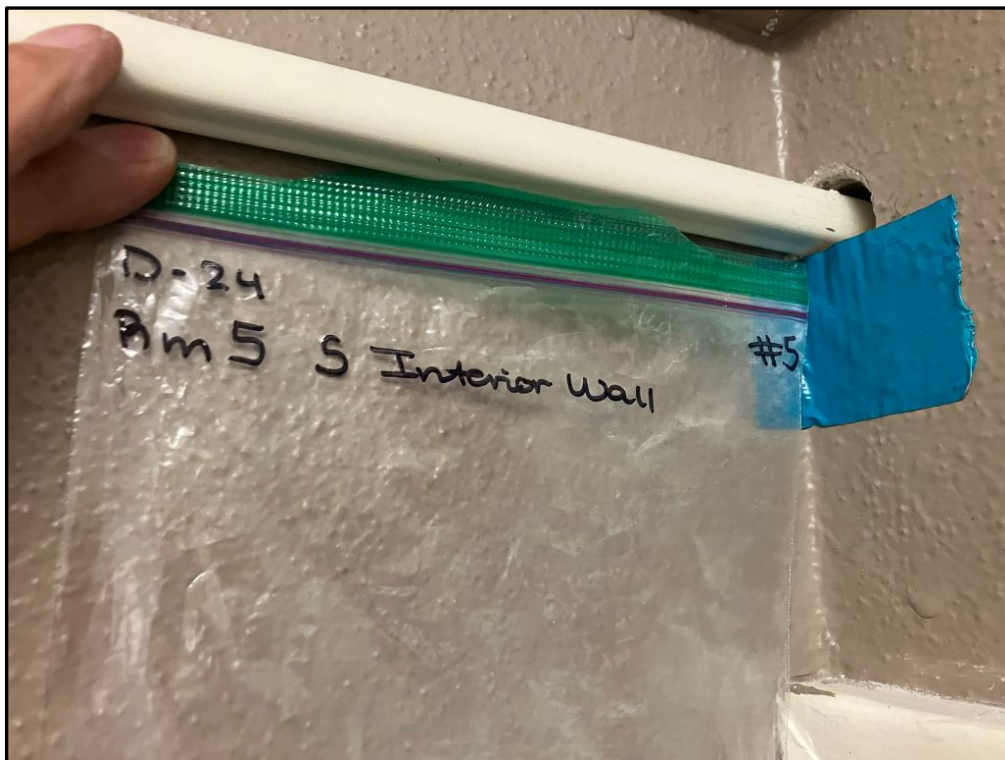


Sample D-22: Classroom 18 – N. interior wall system #3

Photo Log (continued)



Sample D-23: Classroom 11B – S. interior wall system #4



Sample D-24: Classroom 5 – S. interior wall system #5

Photo Log (continued)

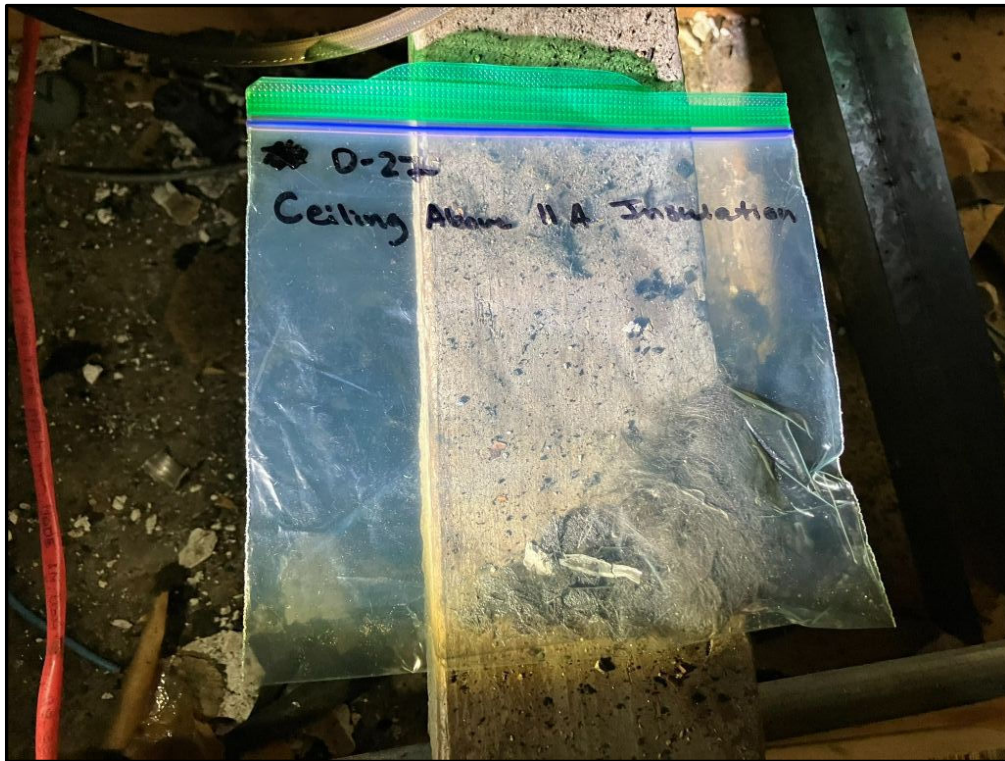


Sample D-25: Attic above classroom 11A – ceiling system #5

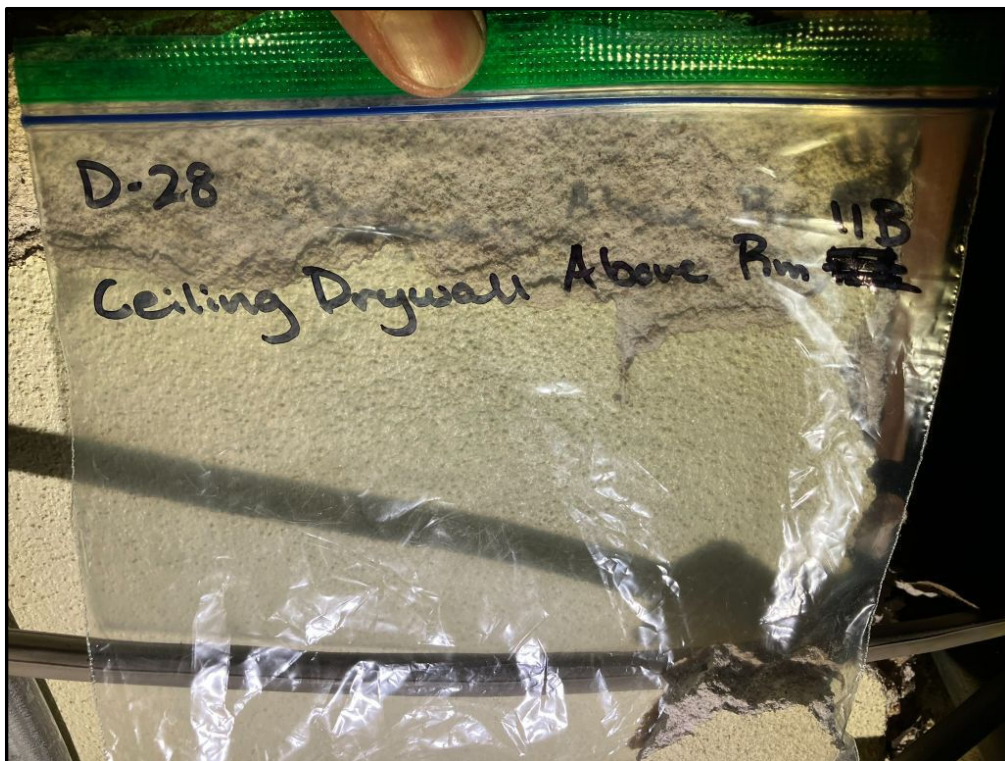


Sample D-26: Attic above classroom 11A – glue dot #1

Photo Log (continued)

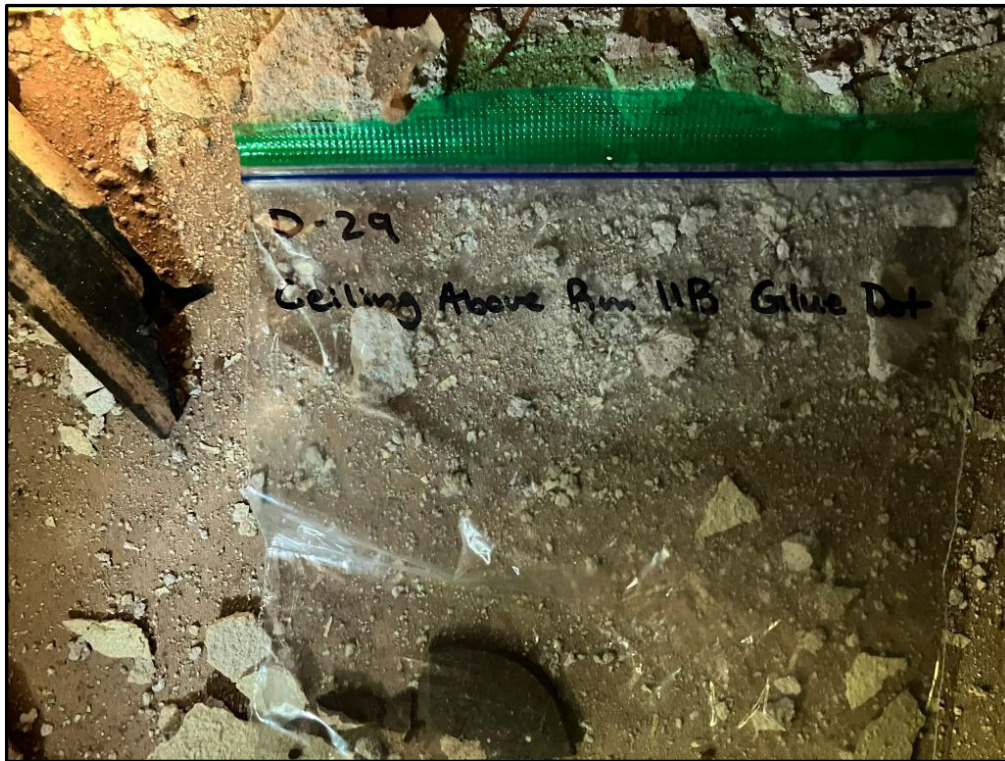


Sample D-27: Attic above classroom 11A – old insulation #2

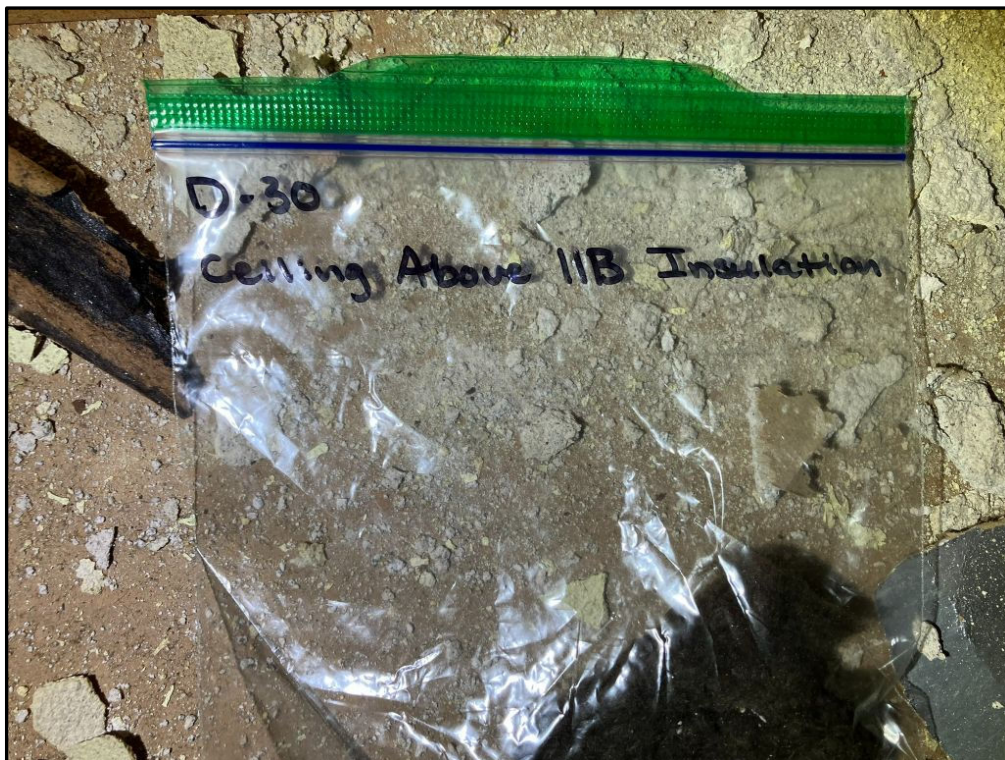


Sample D-28: Attic above classroom 11B – ceiling system #6

Photo Log (continued)

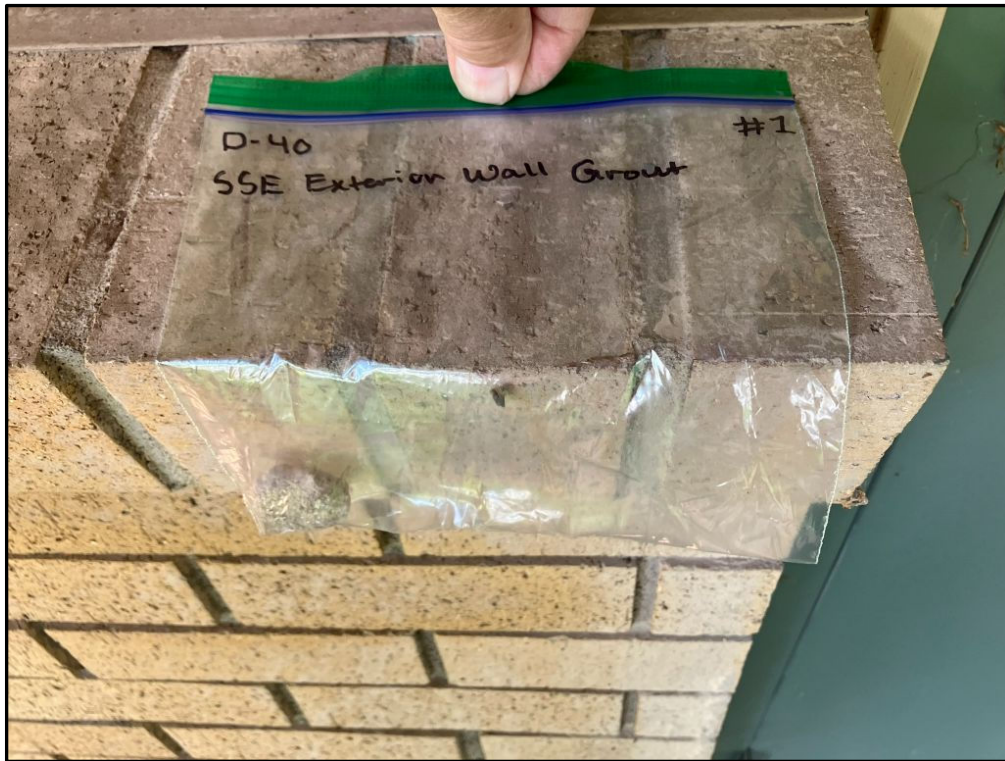


Sample D-29: above Classroom 11B – glue dot #2

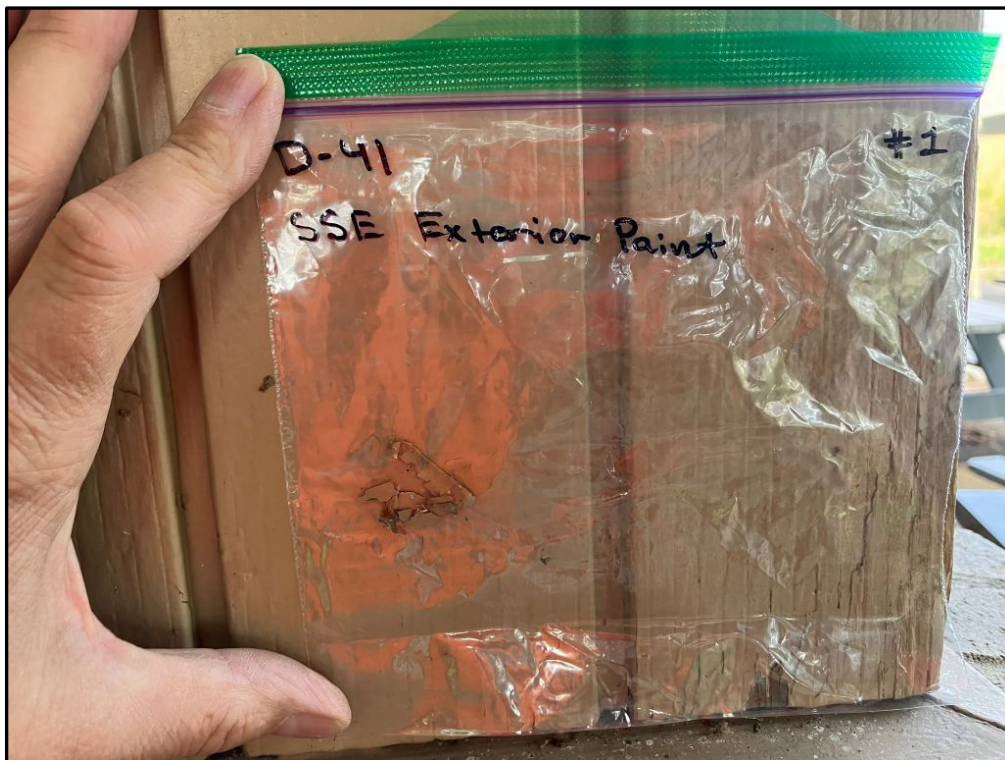


Sample D-30: Attic above Classroom 11B – old insulation #3

Photo Log (continued)

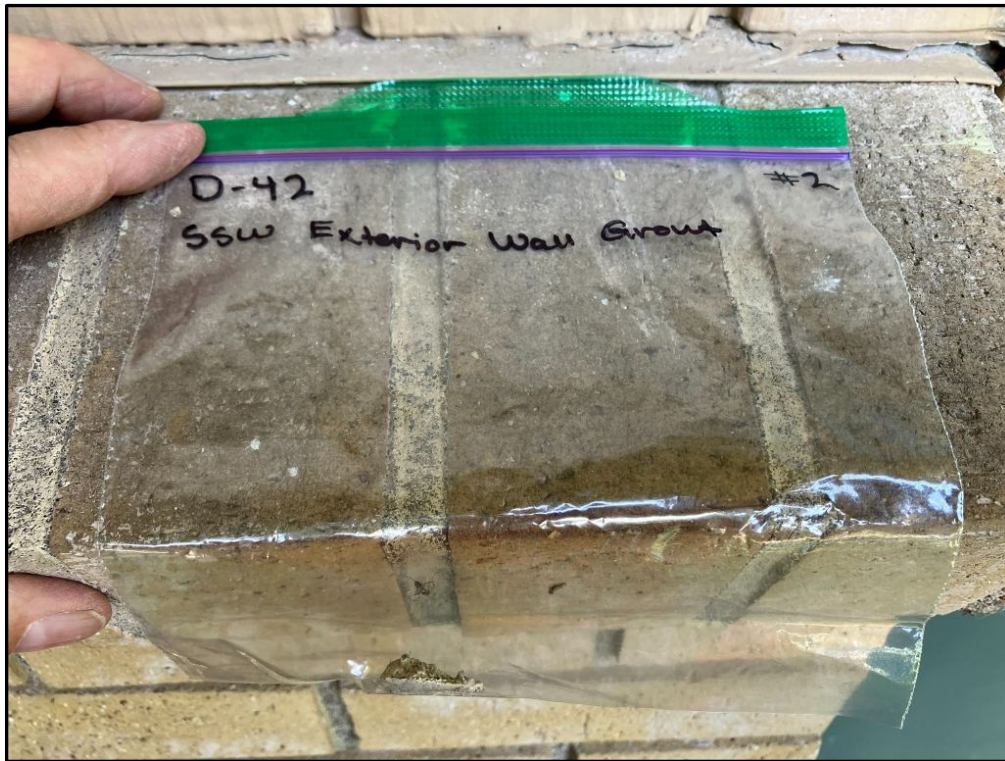


Sample D-40: School SSE exterior brick wall – grout #1

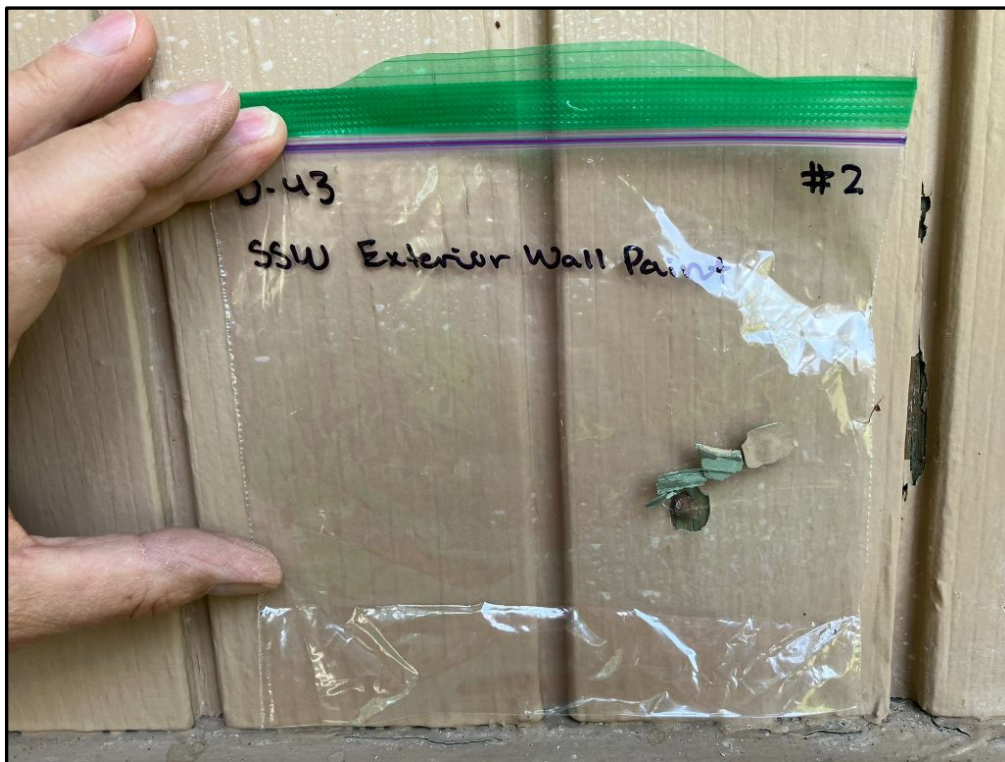


Sample D-41: School SSE exterior wall paint #1

Photo Log (continued)

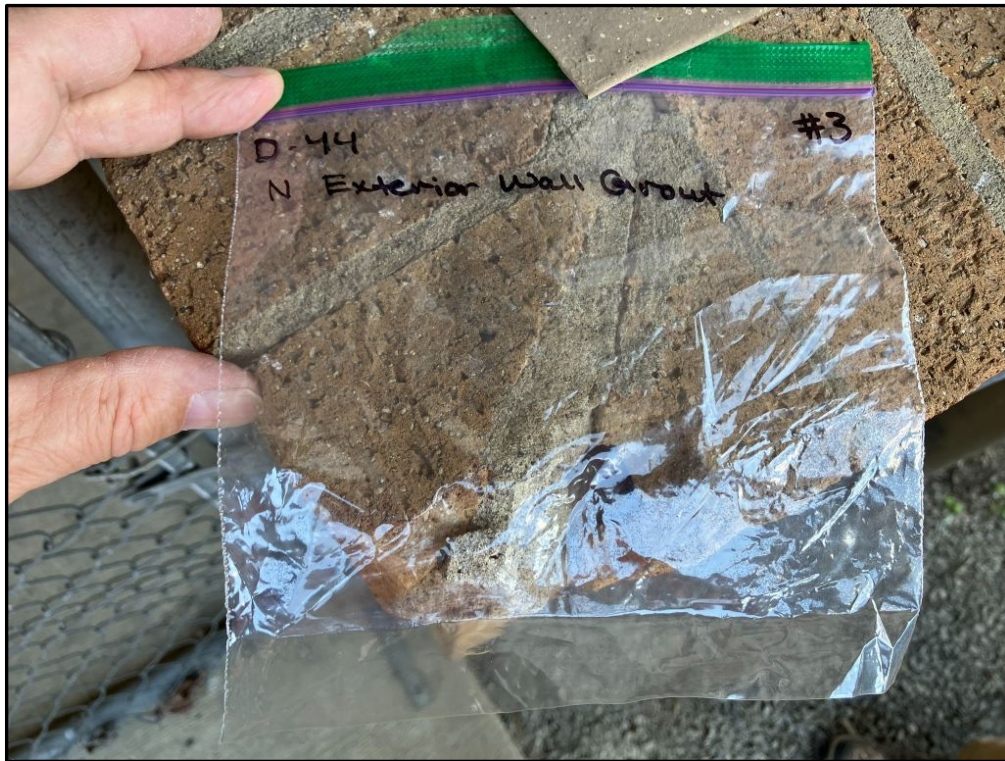


Sample D-42: School SSW exterior brick wall – grout #2

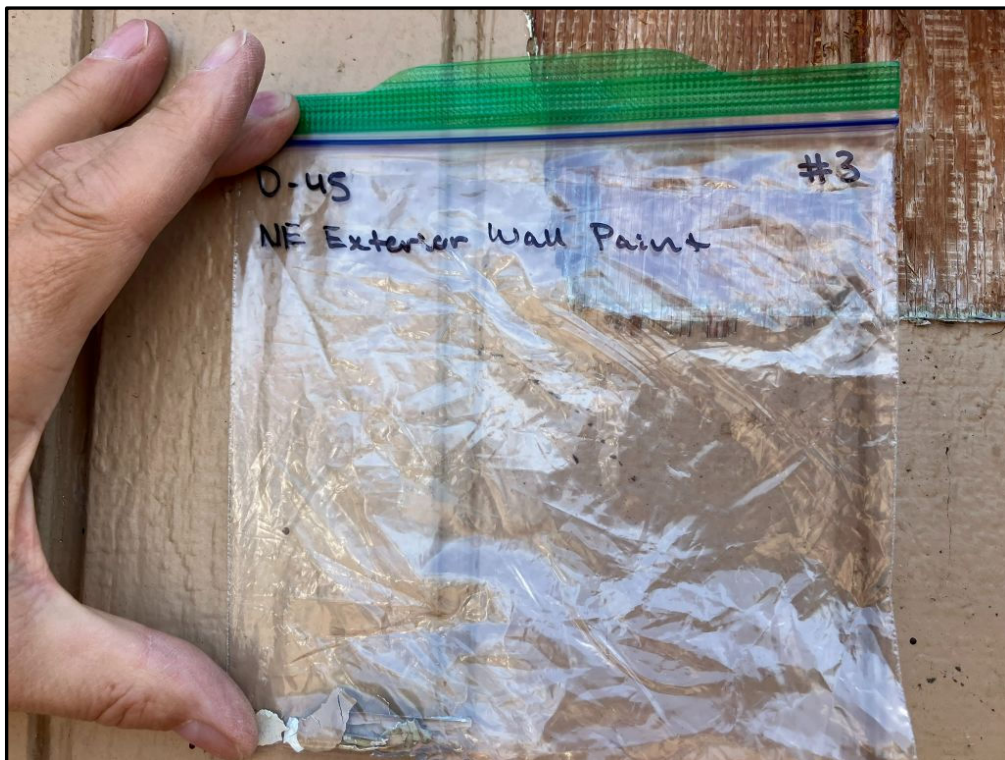


Sample D-43: School SSW exterior wall paint #2t

Photo Log (continued)



Sample D-44: School N exterior brick wall – grout #3



Sample D-45: School NE exterior wall paint #3

Appendix A

Inspector's Certification



THIS IS TO CERTIFY THAT

THOMAS NADERMANN

HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE

for

ONLINE AHERA ASBESTOS INSPECTOR REFRESHER

In accordance with TSCA Title II, Part 763, Subpart E, Appendix C of 40 CFR

Course Date: 04/27/2023

Course Location: Online

Certificate: IRO-23-6998A

For verification of the authenticity of this certificate contact:
PBS Engineering and Environmental Inc.
4412 S Corbett Avenue
Portland, OR 97239



CCB #SRA0615 4-Hr Training

4-Hour Online AHERA Inspector Refresher Training: AHERA is the Asbestos Hazard Emergency Response Act enacting Title II of Toxic Substance Control Act (TSCA)

Expiration Date: 04/27/2024


Andy Fridley, Instructor

THIS IS TO CERTIFY THAT

EDWIN WILSON

HAS SUCCESSFULLY COMPLETED THE TRAINING COURSE

for

ASBESTOS INSPECTOR / MANAGEMENT PLANNER REFRESHER

In accordance with TSCA Title II, Part 763, Subpart E, Appendix C of 40 CFR

Course Date: 09/23/2022

Course Location: Online,

Certificate: IMR-22-7445B

For verification of the authenticity of this certificate contact:
PBS Engineering and Environmental Inc.



CCB #SRA0615 4-Hr Training

AHERA is the Asbestos Hazard Emergency Response Act enacting Title II of Toxic Substance Control Act (TSCA)

Expiration Date: 09/23/2023


Andy Fridley, Instructor



State of Oregon
Oregon Health Authority

Thomas H. Nadermann

is certified by the Oregon Health Authority to conduct Lead-Based Paint Activities

Risk Assessor

Certification Number: 2062--Indv--R
Issuance Date: 10/22/2020
Expiration Date: 10/22/2023



Oregon
Health
Authority

State of Oregon
Oregon Health Authority

Edwin L. Wilson

is certified by the Oregon Health Authority to conduct Lead-Based Paint Activities

Risk Assessor

Certification Number: 2578--Indv--R
Issuance Date: 7/22/2021
Expiration Date: 7/22/2024



Oregon
Health
Authority



Appendix B

Field Data

Laboratory Results



Chain of Custody

Field Sampling Log



Sterling Technologies, LLC

Providing technical consulting support to the
environmental and manufacturing industries

317 NE 144th Street Vancouver, WA 98666
360.576.6331



003273052

Project Name:

Discovery High School - IAC

Site Location:

2742 Harding ST., Longview, WA

Date:

May 19, 2023

Project Contact:

T. Nachermann

Turnaround Time:

Normal: X

Other: _____

Sample ID	Location/Description	Analysis	Comments
D-1	Rm 18 Wall System	Asbestos	# 1
D-2	Classrm 18 Ceiling Tile	"	# 1
D-3	Class Rm 18 Attic Insulation	"	# 1
D-4	Truancy Office Bathroom Drywall-wall	"	# 2
D-6	Hallway Outside classroom 16 ceiling Drywall	"	# 1
D-8	Attic Insulation-old Hall outside Class Rm 9	"	# 1
D-11	Counselor's Office Ceiling Drywall	"	# 2
D-12	Hall Outside 16A Ceiling Drywall	"	# 3
D-13	Ceiling in hall outside Rm 9	"	# 4
D-14	Attic Composite Roof Deck Hall Outside Class Rm 9	"	# 1
D-15	Hall Outside counselor office Attic Pipe TSI	"	# 1
D-16	Attic over Truancy office pipe TSI	"	# 2

Sampled by:

E. Wilson, V. Johnson

Date: 5/19/2023

Sohnkang

5/26/23 9:35am AB 6112310:00

Chain of Custody

Field Sampling Log



Sterling Technologies, LLC

Providing technical consulting support to the
environmental and manufacturing industries

317 NE 144th Street Vancouver, WA 98685
360.576.6331



003273052

Project Name: Discovery High School - TAG
Site Location: 2742 Harding ST., Longview, WA
Date: May 19, 2023
Project Contact: T. Nadermann

Turnaround Time:

Normal: X

Other: _____

Sample ID	Location/Description	Analysis	Comments
D-17	Hall Outside classroom 9 pipe TSI	Asbestos	#3
D-18	Hallway Outside Classroom 9 Ceiling Tile	Asbestos	#2
D-19	Ceiling Tile Rm 14	"	#3
D-20	Hallway Outside Classroom 5 Ceiling Tile	"	#4
D-21	Ceiling Tile in Entry Foyer	"	#5
D-22	Classrm 18 N Interior Wall Drywall	"	#3
D-23	Class Rm 11B S Interior Wall	"	#4
D-24	Rm 5 S Interior Wall	"	#5
D-25	Ceiling above 11A Ceiling Drywall	"	#5
D-26	Ceiling Above 11A - Gypsum Dot	"	#1
D-27	Ceiling Above 11A Insulation Drywall	"	#2
D-28	Ceiling Above Above Rm 11B	"	#6
D-29	Ceiling Above Rm 11B Gypsum Dot	"	#2

Sampled by: E. Wilson, K. Johnson

Date: 05/19/23

[Signature]

Johnson

5/16/23 9:35 am

AB 6/1/23

Chain of Custody

Field Sampling Log



Sterling Technologies, LLC

Providing technical consulting support to the
environmental and manufacturing industries

317 NE 144th Street Vancouver, WA 98685
360.576.6331



Project Name: Discovery High School - IAQ
Site Location: 2742 Harding ST, Langview, WA
Date: May 19, 2023
Project Contact: T. Nadermann

Turnaround Time:

Normal: X

Other: _____

Sample ID	Location/Description	Analysis	Comments
D-30	Ceiling Above IIB Insulation	Asbestos	#3
D-40	SSE Exterior Wall Grout	Asbestos	#1
D-41	SSE Exterior Paint	Lead	#1
D-42	SSW Exterior Wall Grout	Asbestos	#2
D-43	SSW Exterior Wall Paint	Lead	#2
D-44	N Exterior Wall Grout	Asbestos	#3
D-45	NE Exterior Wall Paint	Lead	#3

Sampled by: E. Wilson, K. Johnson

Date: 05/19/23 AB 6/1/23

John Kary 5/26/23 9:35am 10:00

Report for:

Thomas Nadermann
Sterling Technologies LLC
317 NE 144 Street
Vancouver, WA 98685

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: Discovery High School-IAQ; 2742 Harding St, Longview, WA
EML ID: 3273052

Approved by:

Dates of Analysis:
Asbestos PLM: 06-01-2023



Approved Signatory
Tran Annie Nguyen

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)
NVLAP Lab Code 600274-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EPK Built Environment Testing, LLC ("the Company"), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Eurofins EPK Built Environment Testing, LLC

5750 S. Semoran Blvd., Orlando, FL 32822

(866) 871-1984 www.eurofinsus.com/Built

Client: Sterling Technologies LLC

C/O: Thomas Nadermann

Re: Discovery High School-IAQ; 2742 Harding St,
Longview, WA

Date of Sampling: 05-19-2023

Date of Receipt: 05-26-2023

Date of Report: 06-01-2023

ASBESTOS PLM REPORT**Total Samples Submitted:** 29**Total Samples Analyzed:** 29**Total Samples with Layer Asbestos Content > 1%:** 1**Location: D-1, Rm 18 Wall System**

Lab ID-Version‡: 15888226-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
White Joint Compound	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

Location: D-2, Classrm 18 Ceiling Tile

Lab ID-Version‡: 15888227-1

Sample Layers	Asbestos Content
Brown Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	85% Cellulose
Sample Composite Homogeneity:	Good

Location: D-3, Class Rm 18 Attic Insulation

Lab ID-Version‡: 15888228-1

Sample Layers	Asbestos Content
Pink Insulation	ND
White Texture	ND
Composite Non-Asbestos Content:	90% Mineral Wool
Sample Composite Homogeneity:	Moderate

Location: D-4, Truancy Office Bathroom Drywall, Wall

Lab ID-Version‡: 15888229-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper and Paint	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EPK Built Environment Testing, LLC

5750 S. Semoran Blvd., Orlando, FL 32822

(866) 871-1984 www.eurofinsus.com/Built

Client: Sterling Technologies LLC

C/O: Thomas Nadermann

Re: Discovery High School-IAQ; 2742 Harding St,
Longview, WA

Date of Sampling: 05-19-2023

Date of Receipt: 05-26-2023

Date of Report: 06-01-2023

ASBESTOS PLM REPORT**Location: D-6, Hallway Outside Classroom 18, Ceiling Drywall**

Lab ID-Version‡: 15888230-1

Sample Layers	Asbestos Content
White Drywall	ND
Composite Non-Asbestos Content:	3% Cellulose
Sample Composite Homogeneity:	Good

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Client: Sterling Technologies LLC
C/O: Thomas Nadermann
Re: Discovery High School-IAQ; 2742 Harding St,
Longview, WA

Date of Sampling: 05-19-2023
Date of Receipt: 05-26-2023
Date of Report: 06-01-2023

ASBESTOS PLM REPORT

Location: D-8, Attic Insulation, Old Hall Outside Class Rm 9

Lab ID-Version‡: 15888231-1

Sample Layers	Asbestos Content
Black Insulation	ND
Composite Non-Asbestos Content:	100% Hair/Wool
Sample Composite Homogeneity:	Good

Location: D-11, Counselor's Office, Ceiling Drywall

Lab ID-Version‡: 15888232-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: D-12, Hall Outside 16A, Ceiling Drywall

Lab ID-Version‡: 15888233-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: D-13, Ceiling In Hall Outside Rm 9

Lab ID-Version‡: 15888234-1

Sample Layers	Asbestos Content
Gray Fireproofing	3% Chrysotile
Composite Non-Asbestos Content:	40% Mineral Wool
Sample Composite Homogeneity:	Good

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Eurofins EPK Built Environment Testing, LLC

5750 S. Semoran Blvd., Orlando, FL 32822

(866) 871-1984 www.eurofinsus.com/Built

Client: Sterling Technologies LLC

C/O: Thomas Nadermann

Re: Discovery High School-IAQ; 2742 Harding St,
Longview, WA

Date of Sampling: 05-19-2023

Date of Receipt: 05-26-2023

Date of Report: 06-01-2023

ASBESTOS PLM REPORT**Location: D-14, Attic Composite Roof Deck Hall Outside Class Rm 9**

Lab ID-Version‡: 15888235-1

Sample Layers	Asbestos Content
Black Roofing Material	ND
Black Felt Paper	ND
Composite Non-Asbestos Content:	40% Cellulose
Sample Composite Homogeneity:	Moderate

Location: D-15, Hall Outside Counselor Office Attic Pipe TSI

Lab ID-Version‡: 15888236-1

Sample Layers	Asbestos Content
Yellow Insulation	ND
Silver Wrap with Paint	ND
Brown Paper	ND
Black Mastic	ND
Composite Non-Asbestos Content:	60% Mineral Wool 20% Cellulose 10% Glass Fibers
Sample Composite Homogeneity:	Moderate

Location: D-16, Attic Over Truancy Office Pipe TSI

Lab ID-Version‡: 15888237-1

Sample Layers	Asbestos Content
Yellow Insulation	ND
Silver Wrap with Fibrous Backing	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	60% Mineral Wool 10% Cellulose 10% Glass Fibers
Sample Composite Homogeneity:	Moderate

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Eurofins EPK Built Environment Testing, LLC

5750 S. Semoran Blvd., Orlando, FL 32822

(866) 871-1984 www.eurofinsus.com/Built

Client: Sterling Technologies LLC

C/O: Thomas Nadermann

Re: Discovery High School-IAQ; 2742 Harding St,
Longview, WA

Date of Sampling: 05-19-2023

Date of Receipt: 05-26-2023

Date of Report: 06-01-2023

ASBESTOS PLM REPORT**Location: D-17, Hall Outside Classroom 9 Pipe TSI**

Lab ID-Version‡: 15888238-1

Sample Layers	Asbestos Content
Yellow Insulation	ND
Silver Wrap with Fibrous Backing	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	60% Mineral Wool 10% Cellulose 10% Glass Fibers
Sample Composite Homogeneity:	Moderate

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Client: Sterling Technologies LLC
C/O: Thomas Nadermann
Re: Discovery High School-IAQ; 2742 Harding St,
Longview, WA

Date of Sampling: 05-19-2023
Date of Receipt: 05-26-2023
Date of Report: 06-01-2023

ASBESTOS PLM REPORT

Location: D-18, Hallway Outside Classroom 9 Ceiling Tile

Lab ID-Version‡: 15888239-1

Sample Layers	Asbestos Content
Brown Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	85% Cellulose
Sample Composite Homogeneity:	Good

Location: D-19, Ceiling Tile Rm 14

Lab ID-Version‡: 15888240-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	40% Cellulose 20% Mineral Wool
Sample Composite Homogeneity:	Good

Location: D-20, Hallway Outside Classroom 5 Ceiling Tile

Lab ID-Version‡: 15888241-1

Sample Layers	Asbestos Content
Brown Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	85% Cellulose
Sample Composite Homogeneity:	Good

Location: D-21, Ceiling Tile in Entry Foyer

Lab ID-Version‡: 15888242-1

Sample Layers	Asbestos Content
Brown Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	85% Cellulose
Sample Composite Homogeneity:	Good

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Client: Sterling Technologies LLC
C/O: Thomas Nadermann
Re: Discovery High School-IAQ; 2742 Harding St,
Longview, WA

Date of Sampling: 05-19-2023
Date of Receipt: 05-26-2023
Date of Report: 06-01-2023

ASBESTOS PLM REPORT

Location: D-22, Class Rm 18 N Interior Wall Drywall

Lab ID-Version‡: 15888243-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
White Joint Compound with Paint	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

Location: D-23, Class Rm 11B S Interior Wall

Lab ID-Version‡: 15888244-1

Sample Layers	Asbestos Content
White Plaster with Paint	ND
Sample Composite Homogeneity:	Good

Location: D-24, Rm S, S Interior Wall

Lab ID-Version‡: 15888245-1

Sample Layers	Asbestos Content
White Plaster with Paint	ND
Sample Composite Homogeneity:	Good

Location: D-25, Ceiling Above 11A Ceiling Drywall

Lab ID-Version‡: 15888246-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

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Eurofins EPK Built Environment Testing, LLC

5750 S. Semoran Blvd., Orlando, FL 32822

(866) 871-1984 www.eurofinsus.com/Built

Client: Sterling Technologies LLC

C/O: Thomas Nadermann

Re: Discovery High School-IAQ; 2742 Harding St,
Longview, WA

Date of Sampling: 05-19-2023

Date of Receipt: 05-26-2023

Date of Report: 06-01-2023

ASBESTOS PLM REPORT**Location: D-26, Ceiling Above 11A, Glue Dot**

Lab ID-Version‡: 15888247-1

Sample Layers	Asbestos Content
Brown Glue	ND
Brown Wood	ND
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Moderate

Location: D-27, Ceiling Above 11A, Insulation

Lab ID-Version‡: 15888248-1

Sample Layers	Asbestos Content
Black Insulation	ND
Composite Non-Asbestos Content:	100% Hair/Wool
Sample Composite Homogeneity:	Good

Location: D-28, Ceiling Drywall Above Rm 11B

Lab ID-Version‡: 15888249-1

Sample Layers	Asbestos Content
White Plaster with Paint and Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: D-29, Ceiling Above Rm 11B, Glue Dot

Lab ID-Version‡: 15888250-1

Sample Layers	Asbestos Content
Brown Glue	ND
White Plaster	ND
Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

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Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EPK Built Environment Testing, LLC

5750 S. Semoran Blvd., Orlando, FL 32822

(866) 871-1984 www.eurofinsus.com/Built

Client: Sterling Technologies LLC

C/O: Thomas Nadermann

Re: Discovery High School-IAQ; 2742 Harding St,
Longview, WA

Date of Sampling: 05-19-2023

Date of Receipt: 05-26-2023

Date of Report: 06-01-2023

ASBESTOS PLM REPORT**Location: D-30, Ceiling Above 11B, Insulation**

Lab ID-Version‡: 15888251-1

Sample Layers	Asbestos Content
Black Insulation	ND
Composite Non-Asbestos Content:	100% Hair/Wool
Sample Composite Homogeneity:	Good

Location: D-40, SSE Exterior Wall Grout

Lab ID-Version‡: 15888252-1

Sample Layers	Asbestos Content
Gray Grout	ND
Sample Composite Homogeneity:	Good

Location: D-42, SSW Exterior Wall Grout

Lab ID-Version‡: 15888253-1

Sample Layers	Asbestos Content
Gray Grout	ND
Sample Composite Homogeneity:	Good

Location: D-44, N Exterior Wall Grout

Lab ID-Version‡: 15888254-1

Sample Layers	Asbestos Content
Gray Grout	ND
Sample Composite Homogeneity:	Good

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‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Report for:

Thomas Nadermann
Sterling Technologies LLC
317 NE 144 Street
Vancouver, WA 98685

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: Discovery High School-IAQ; 2742 Harding St, Longview, WA
EML ID: 3273052

Approved by:



Laboratory Manager
Danny Li

Dates of Analysis:

Lead - Flame AA: 06-05-2023

Service SOPs: Lead - Flame AA (EM-BC-S-8443)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received and tested. Sample size, as it relates to Wipe samples only, is supplied by the client.

Eurofins EPK Built Environment Testing, LLC ("the Company"), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Eurofins EPK Built Environment Testing, LLC

2841 Dow Avenue, Suite 300, Tustin, CA 92780

(800) 651-4802 www.eurofinsus.com/Built

Client: Sterling Technologies LLC

C/O: Thomas Nadermann

Re: Discovery High School-IAQ; 2742 Harding St,
Longview, WA

Date of Sampling: 05-19-2023

Date of Receipt: 05-26-2023

Date of Report: 06-05-2023

LEAD: FLAME ATOMIC ABSORPTION SPECTROMETRY

Location:	D-41: SSE Exterior Wall Paint	D-43: SSW Exterior Wall Paint	D-45: NE Exterior Wall Paint
Comments (see below)	None	None	None
Lab ID-Version‡:	15888255-1	15888256-1	15888257-1
Analysis Date:	06/05/2023	06/05/2023	06/05/2023
Sample type	Paint Chip sample	Paint Chip sample	Paint Chip sample
Method*	NIOSH 7082 & EPA 7000B modified	NIOSH 7082 & EPA 7000B modified	NIOSH 7082 & EPA 7000B modified
† Method Reporting Limit	53 ppm	41 ppm	39 ppm
Sample size	0.1880 grams	0.2430 grams	0.2551 grams
§ Total Lead Result	450 ppm	270 ppm	89 ppm

Comments:

Sample results have not been corrected for blank values.

Bulk samples are not covered under the AIHA-LAP, LLC service accreditation.

Wipe samples must meet ASTM E1792 criteria. Method Reporting Limits may not be valid for non-ASTM E1792 wipe samples.

*Sample preparation and analytical methods are based upon NIOSH 7082 and EPA 7000B.

† The Method Reporting Limit is the minimum concentration of Lead that the laboratory can confidently detect in the sample.

§ Total Lead Result has been rounded to two significant figures to reflect analytical precision.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".