

May 1, 2020

SOLICITATION ADDENDUM NO. 4
ITB 19-0054
Errol Hassell Restrooms Remodel

THE FOLLOWING CHANGES/ADDITIONS TO THE ABOVE CITED SOLICITATION ARE ANNOUNCED:

This Addendum modifies the Invitation to Bid (ITB) document(s) only to the extent indicated herein. All other areas not changed or otherwise modified by this Addendum shall remain in full force and effect. This Addendum is hereby made an integral part of the ITB document. Bidder must be responsive to any requirements of this Addendum as if the requirements were set forth in the ITB. Failure to do so may result in Bid rejection. See the ITB regarding requests for clarification or change and protests of this Addendum, and the deadlines for the foregoing.

This addendum is to be acknowledged in the space provided on the Bidder Certification form supplied in the solicitation document. Failure to acknowledge receipt of this addendum may be cause to reject your offer.

The closing date **REMAINS UNCHANGED: May 19, 2020 at 2:00 PM Pacific Time**

Clarification: There will be an additional site walk May 5, 2020 at 9am- 18100 SW Bany Road, Aloha, Oregon 97007

Questions/Clarifications from Pre-Bid Site Walk 4.28.20:

Question: Is there a project estimate?

Answer: Yes, the estimate is between 125K and 150K

Question: Do you have the Asbestos Report

Answer: I have included the report in this Addendum.

Question: The plans are confusing and do not appear to reflect patching at abandoned toilet area in floor finishes

Answer: We don't typically indicate patch-and-repair scope on a finish floor plan. This scope is identified on T1.1, General Note #3 which reads "SEE GENERAL NOTES SHEET GN1 FOR DEMOLITION, PATCH, REPAIR AND SALVAGE REQUIREMENTS". The correlating spec section on Sheet GN1 is 1.7(K), which is hereby revised to read as follows (Changes in bold):

*"K. PATCHING: PATCH CONSTRUCTION BY FILLING, REPAIRING, REFINISHING, CLOSING UP, AND SIMILAR OPERATIONS FOLLOWING PERFORMANCE OF OTHER WORK. **PATCH WORK SHALL MATCH EXISTING ADJACENT CONSTRUCTION AND FINISHES UNLESS OTHERWISE INDICATED.** PATCH WITH DURABLE SEAMS THAT ARE INVISIBLE AS PRACTICABLE. PROVIDE MATERIALS AND COMPLY WITH INSTALLATION REQUIREMENTS SPECIFIED IN OTHER SECTIONS, WHERE APPLICABLE."*

-END of Addendum

Peter Madaus
Contract Specialist

LIMITED HAZARDOUS MATERIALS SURVEY REPORT

**Errol Hassell Elementary School
(Restrooms)
1800 SW Bany Road
Beaverton, Oregon 97007**

Prepared for:

Beaverton School District
Mr. Aaron Boyle
16550 SW Merlo Road
Beaverton, Oregon 97003

Report Date: December 13, 2019

Prepared By:



4105 SE International Way, Suite 505, Milwaukie, OR 97222

TRC Project: 369880

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EXECUTIVE SUMMARY

Beaverton School District contracted TRC Environmental Corporation (TRC) to conduct a limited scope hazardous materials survey at Errol Hassell Elementary School located at 1800 SW Bany Road, Beaverton Oregon, 97007. The survey activities were initiated on November 21, 2019, by Mr. Jason Stone and Ms. Chloe Hudson, Asbestos Hazard Emergency Response Act (AHERA) accredited Asbestos Building Inspector(s).

Asbestos Inaccessible Suspect Materials / Areas

Suspect asbestos containing materials were identified during the survey which were not sampled. These materials must be sampled by an accredited asbestos inspector prior to any disturbance, or they must be treated as ACM.

The following table lists the materials and their locations that were not accessible at the time the asbestos survey was conducted:

Errol Hassell Elementary School		
Materials / Areas	Material Location	Reason
Mirror Glue	Restrooms 1	Discreet Sampling Requested
Fire Doors	Restrooms 1	Discreet Sampling Requested
Fire Doors	Restrooms 3	Discreet Sampling Requested
Mirror Glue	Restrooms 3	Discreet Sampling Requested
Mirror Glue	Modular Restrooms	Discreet Sampling Requested
Fire Doors	Modular Restrooms	Discreet Sampling Requested

Asbestos Containing Materials

Results of the bulk sampling indicated none of the materials sampled contained detectable levels of asbestos, based on the PLM method. Any materials uncovered during renovation or demolition activities that are not addressed in this inspection report, or presumed asbestos containing materials (PACM), must be sampled by an accredited asbestos inspector prior to any disturbance, or they must be treated as ACM.

Paint Sampling Results

Results of X-ray Fluorescence (XRF) sampling indicated that lead was detected in sixteen (16) of the fifty-eight (58) XRF readings collected from the work areas. All sixteen positive readings were collected from various ceramic tile glazings and were all identified as lead-based paint/glazing. XRF sampling data is located in Appendix B.

INTRODUCTION

Beaverton School District contracted TRC Environmental Corporation (TRC) to conduct a limited scope hazardous materials survey at Errol Hassell Elementary School located at 1800 SW Bany Road, Beaverton Oregon, 97007. The survey activities were initiated on November 21, 2019, by Mr. Jason Stone and Ms. Chloe Hudson, Asbestos Hazard Emergency Response Act (AHERA) accredited Asbestos Building Inspector(s).

BACKGROUND

Asbestos Containing Materials

Occupational Safety and Health Administration (OSHA) defines asbestos-containing material (ACM), as any material containing more than one percent asbestos.

The Environmental Protection Agency (EPA) defines ACM as follows:

1. Friable asbestos-containing material (ACM), is defined by the Asbestos NESHAP, as any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy (PLM), that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure.
2. Nonfriable ACM is any material containing more than one percent (1%) asbestos as determined using the PLM method that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. The EPA further defines two categories of nonfriable ACM:
 - a. Category I (Cat I) - Category I nonfriable ACM is any asbestos-containing packing, gasket, resilient floor covering or asphalt roofing product which contains more than one percent (1%) asbestos as determined using PLM according to the method specified in Appendix A, Subpart F, 40 CFR Part 763, and
 - b. Category II (Cat II) - Category II nonfriable ACM is any material, excluding Category I nonfriable ACM, containing more than one percent (1%) asbestos as determined using PLM according to the methods specified in Appendix A, Subpart F, 40 CFR Part 763 that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.
3. Regulated Asbestos-Containing Material (RACM) is (a) friable asbestos material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

Asbestos Sampling Procedures

The survey was conducted in accordance with the sample collection protocols established in 40 CFR 763 (AHERA), 40 CFR 61 Subpart M (NESHAP). A summary of survey activities is provided below.

Survey activities began with visual observation of the project area to identify homogeneous areas of suspect ACM. A homogeneous area consists of building materials that appear similar throughout in terms of color and texture that does not extend to other buildings or floors. Visual assessments were conducted in accessible areas of the building. Building materials identified as glass, wood or metal were not considered suspect ACM.

A physical assessment of each homogeneous area of suspect ACM was conducted to assess the friability and condition of the materials. Friability was assessed by physically touching suspect materials.

Based on results of the visual observation, bulk samples of suspect ACM were collected in accordance with applicable Federal Local and State sampling protocols sampling protocols. Samples of suspect materials were collected in each homogeneous area. Bulk samples were collected using wet methods as applicable to reduce the potential for fiber release. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker.

All asbestos bulk samples were submitted under proper COC documentation to the laboratory. Bulk samples were analyzed by PLM utilizing the EPA's, Method for the Determination of Asbestos in Bulk Building Materials, EPA 600/M4-82-020. Analysis by PLM was performed by visual observation of the bulk sample and slides prepared of the bulk sample for microscopic examination and identification. The samples were analyzed for asbestos (Chrysotile, Amosite, Crocidolite, Anthophyllite, and Actinolite/Tremolite), fibrous non-asbestos constituents (mineral wool, cellulose, etc.) and non-fibrous constituents. Using a stereoscope, the microscopist visually estimated the relative amounts of each constituent by determining the estimated area of the asbestos compared with the area estimate of the total sample.

Laboratory Analysis

Laboratory services were provided by EMC Labs, Inc., a National Voluntary Laboratory Accreditation Program (NVLAP) certified laboratory (NVLAP code #101926-0) located in Phoenix, Arizona.

Lead Paint Sampling Procedures

TRC conducted a lead paint inspection to identify lead-based paint (LBP) and/or lead-containing paint (LCP) from the work areas. The lead paint survey was performed to identify representative testing combinations of suspect LBP on painted/glazed surfaces that made up the majority of the coating in each area assessed that would present a hazard during renovation activities.

The general purpose of this investigation was to confirm the presence, and determine the location of lead-based and/or lead-containing paint coatings, that will be disturbed in association with the renovation project. TRC has documented the general condition of such painted building surfaces and characterized the composition of painted surfaces with regard to lead. Information derived from this investigation may be used in communicating potential lead exposure hazards to workers performing renovation activities. The scope of work associated with this investigation included the following elements:

- Visual inspection of painted surfaces and components;
- Testing of painted surfaces and components using an XRF handheld analyzer; and
- Providing results of each sample location within this written report.

Lead-based paint (LBP) is defined by the United States Department of House and Urban Development (HUD) as any paint, varnish, stain, or other applied coating that has one mg/cm² or more of lead or 0.5% by weight (5,000 micrograms per gram [ug/g] or 5,000 parts of lead per million [ppm]). According the OSHA Program Directive, Lead: Exposure in Construction, "For all occupational exposure to lead occurring in the course of construction work, the standard (1926.62) does not specify a minimum amount or concentration of lead that triggers a determination that lead is present and the potential for occupational exposure exists." Therefore any paint containing less than 0.5% by weight, but greater than the laboratory detection limit is considered to be a LCP.

TRC utilized an X-ray fluorescence (XRF) hand held analyzer to determine lead concentrations of various painted/glazed surfaces throughout the work areas.

FINDINGS

Asbestos Inaccessible Suspect Materials / Areas

The following materials and areas listed in the table below were not accessible at the time the asbestos survey was conducted.

Errol Hassell Elementary School		
Materials / Areas	Material Location	Reason
Mirror Glue	Restrooms 1	Discreet Sampling Requested
Fire Doors	Restrooms 1	Discreet Sampling Requested
Fire Doors	Restrooms 3	Discreet Sampling Requested
Mirror Glue	Restrooms 3	Discreet Sampling Requested
Mirror Glue	Modular Restrooms	Discreet Sampling Requested
Fire Doors	Modular Restrooms	Discreet Sampling Requested

Asbestos Containing Materials

Results of the bulk sampling indicated none of the materials sampled contained detectable levels of asbestos, based on the PLM method.

Negative Materials (No Asbestos Detected)

Results of the bulk sampling indicated none of the following sampled materials contained detectable levels of asbestos, based on the PLM method:

Errol Hassell Elementary School		
Material Description	Material Location(s)	Estimated Quantity
Wallboard, Gypsum With Joint Compound, Brown	Restrooms 1	N/A
Ceramic Wall Tile Grout/Glue	Restrooms 1	N/A
Caulking, White	Restrooms 1	N/A

Errol Hassell Elementary School		
Material Description	Material Location(s)	Estimated Quantity
Ceramic Floor Tile Grout/Glue	Restrooms 1	N/A
Wallboard, Gypsum With Joint Compound, Brown	Restrooms 3	N/A
Ceramic Floor Tile Grout/Glue	Restrooms 3	N/A
Ceramic Wall Tile Grout/Glue	Restrooms 3	N/A
Caulking, White	Restrooms 3	N/A
Wallboard, Gypsum With Joint Compound, Gray	Modular Restrooms	N/A
Sheet Vinyl Flooring (Marble Pattern)	Modular Restrooms (Girls)	N/A
Sheet Vinyl Flooring (Stone Pattern)	Modular Restrooms (Boys)	N/A
6" Beige Cove Base & Associated Glue	Modular Restrooms (Boys)	N/A
RFP Glue	Modular Restrooms	N/A
Caulking, White	Modular Restrooms	N/A

Paint Sampling Results

Results of XRF sampling indicated that lead was detected in sixteen (16) of the fifty-eight (58) XRF readings collected from the work areas. All sixteen positive readings were collected from various ceramic tile glazings and were all identified as lead-based paint/glazing.

RECOMMENDATIONS

Asbestos Containing Materials

Results of laboratory analysis confirmed asbestos was not identified within any of the bulk samples collected during this survey.

Any materials uncovered during renovation or demolition activities that are not addressed in this inspection report, or presumed asbestos containing materials (PACM), must be sampled by an accredited asbestos inspector prior to any disturbance, or they must be treated as asbestos containing (ACM).

Asbestos Inaccessible Suspect Materials / Areas

The following materials and areas listed in the table below were not accessible at the time the asbestos survey was conducted and should be treated as asbestos containing materials until sampling activities are allowed to take place:

Errol Hassell Elementary School		
Materials / Areas	Material Location	Reason
Mirror Glue	Restrooms 1	Discreet Sampling Requested
Fire Doors	Restrooms 1	Discreet Sampling Requested
Fire Doors	Restrooms 3	Discreet Sampling Requested
Mirror Glue	Restrooms 3	Discreet Sampling Requested
Mirror Glue	Modular Restrooms	Discreet Sampling Requested
Fire Doors	Modular Restrooms	Discreet Sampling Requested

Lead Paints/Glazings

TRC recommends that any renovation/demolition activities which may disturb lead paints or glazings be conducted according to the OSHA requirements regarding lead in construction (29 CFR 1926.62), which can typically be conducted by a general demolition contractor with appropriately trained personnel. Furthermore, due to lead-based paint/glazing being detected, the Environmental Protection Agency's Renovation, Repair and Painting Program may apply to this project.

DISCLAIMER


The content presented in this report is based on data collected during the site inspection and survey, review of pertinent regulations, requirements, guidelines and commonly followed industry standards, and information provided by Client, their clients, agents, and representatives.

The work has been conducted in an objective and unbiased manner and in accordance with generally accepted professional practice for this type of work. TRC believes the data and analysis to be accurate and relevant, but cannot accept responsibility for the accuracy or completeness of available documentation or possible withholding of information of other parties.

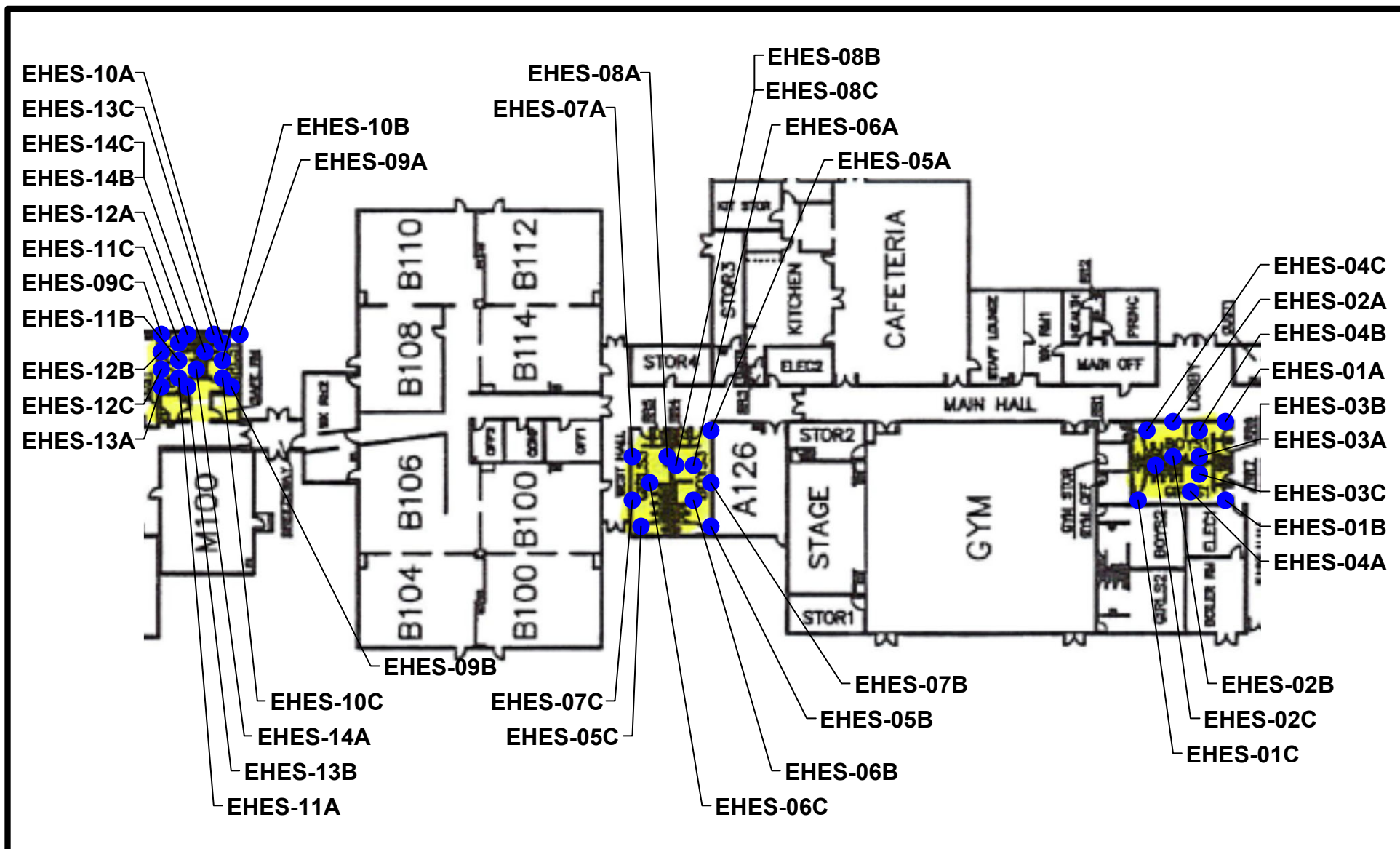
This limited hazardous materials survey report is designed to aid the property owner, architect, construction manager, general contractor, and asbestos abatement contractor in locating asbestos containing materials, lead containing paints, suspect PCB containing equipment and suspect mercury containing equipment.



Sincerely,
TRC Environmental Corporation

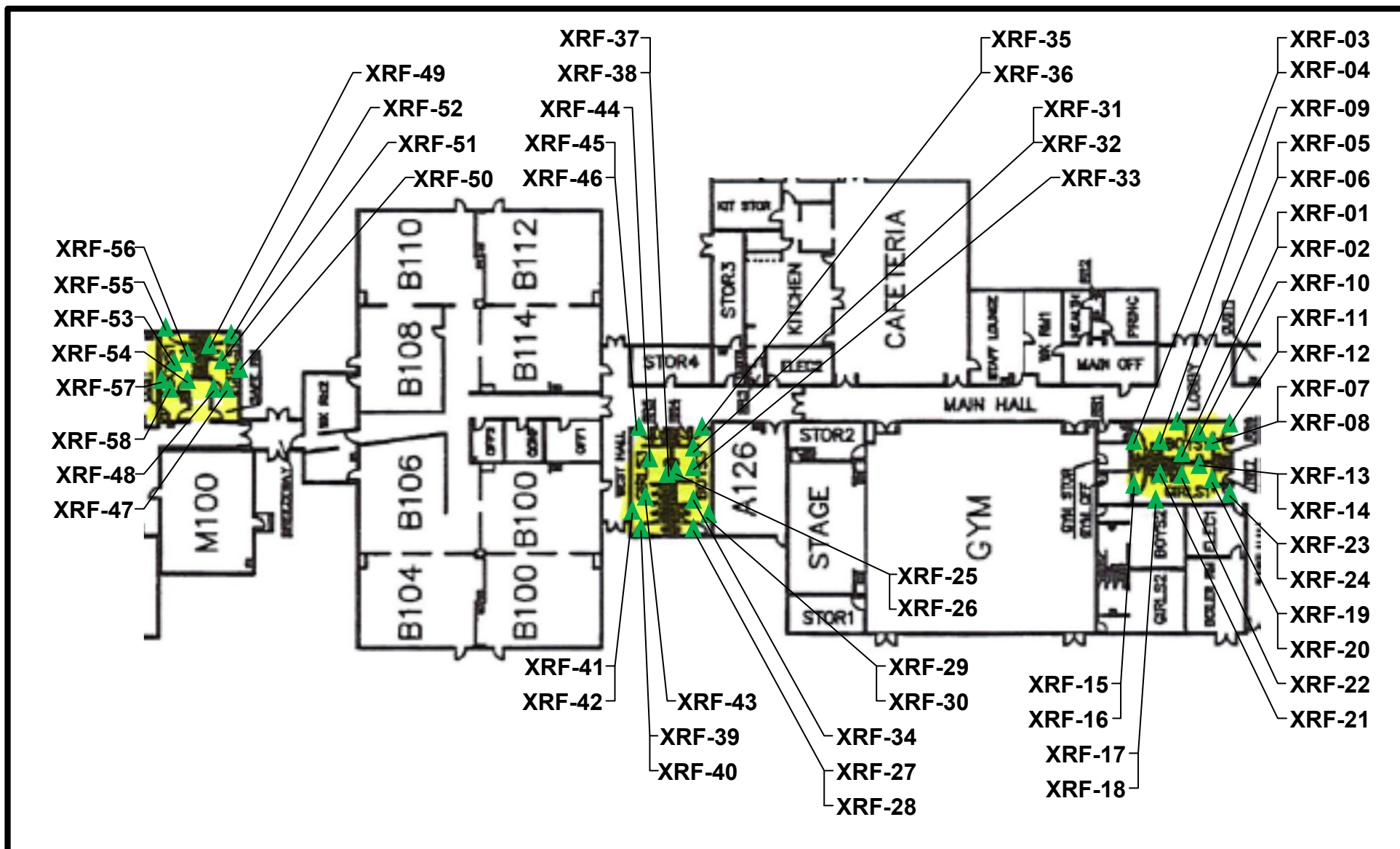

Jason Stone
Industrial Hygienist



Ron Landolt, CAC
NW Region BSI Practice Manager

APPENDIX A – SAMPLE LOCATION DIAGRAMS



LEGEND	LIMITED HAZARDOUS MATERIALS SURVEY REPORT (ACM SAMPLE LOCATION MAP) BEAVERTON SCHOOL DISTRICT ERROL HASSELL ELEMENTARY SCHOOL 18100 SW BANY ROAD BEAVERTON, OREGON 97007			 4105 SE International Way, Suite 505 Milwaukie, Oregon 97222 Phone: (503) 387-3251 Fax: (503) 908-1318
 — Non-Asbestos Sample Location	TRC Project No.: 369880		Figure: 1	
	Drawn by: JS	Reviewed by: RAL	Date: 12/13/19	



LEGEND		LIMITED HAZARDOUS MATERIALS SURVEY REPORT (XRF SAMPLE LOCATION MAP) BEAVERTON SCHOOL DISTRICT ERROL HASSELL ELEMENTARY SCHOOL 18100 SW BANY ROAD BEAVERTON, OREGON 97007		 4105 SE International Way, Suite 505 Milwaukie, Oregon 97222 Phone: (503) 387-3251 Fax: (503) 908-1318
▲ — Paint Sample Location				
TRC Project No.: 369880		Figure: 2		
Drawn by: JS	Reviewed by: RAL	Date: 12/13/19		

APPENDIX B – XRF DATA

No.	Component	Substrate	Side	Condition	Color	Results	mg/cm ²
	ShutterCal						1.94
	CALIBRATE		UPPER		RED	Positive	1
	CALIBRATE		LOWER		RED	Positive	1.1
	ShutterCal						1.8
1	WALL	DRYWALL		INTACT	YELLOW	Negative	0
2	WALL	CERAMIC		INTACT	YELLOW	Positive	1.3
3	WALL	DRYWALL		INTACT	YELLOW	Negative	0
4	WALL	CERAMIC		INTACT	YELLOW	Positive	1.2
5	WALL	DRYWALL		INTACT	YELLOW	Negative	0
6	WALL	CERAMIC		INTACT	YELLOW	Positive	1.2
7	WALL	DRYWALL		INTACT	YELLOW	Negative	0
8	WALL	CERAMIC		INTACT	YELLOW	Positive	1.3
9	CEILING	DRYWALL		INTACT	YELLOW	Negative	0
10	FLOOR	CERAMIC		INTACT	YELLOW	Negative	0
11	DOOR CASING	METAL		INTACT	BLACK	Negative	0
12	DOOR	METAL		INTACT	BEIGE	Negative	0
13	WALL	DRYWALL		INTACT	BLUE	Negative	0
14	WALL	CERAMIC		INTACT	BLUE	Positive	1.3
15	WALL	DRYWALL		INTACT	BLUE	Negative	0
16	WALL	CERAMIC		INTACT	BLUE	Positive	1.2
17	WALL	DRYWALL		INTACT	BLUE	Negative	0
18	WALL	CERAMIC		INTACT	BLUE	Positive	1.5
19	WALL	DRYWALL		INTACT	BLUE	Negative	0
20	WALL	CERAMIC		INTACT	BLUE	Positive	2.6
21	CEILING	DRYWALL		INTACT	BLUE	Negative	0
22	FLOOR	DRYWALL		INTACT	BLUE	Negative	0
23	DOOR CASING	METAL		INTACT	BLACK	Negative	0
24	DOOR	METAL		INTACT	L. BLUE	Negative	0
25	WALL	DRYWALL		INTACT	YELLOW	Negative	0
26	WALL	CMU		INTACT	YELLOW	Positive	2
27	WALL	DRYWALL		INTACT	YELLOW	Negative	0
28	WALL	CERAMIC		INTACT	YELLOW	Positive	1.6
29	WALL	DRYWALL		INTACT	YELLOW	Negative	0
30	WALL	CERAMIC		INTACT	YELLOW	Positive	2.4
31	WALL	DRYWALL		INTACT	YELLOW	Negative	0
32	WALL	CERAMIC		INTACT	YELLOW	Positive	2.3
33	CEILING	DRYWALL		INTACT	YELLOW	Negative	0
34	FLOOR	CERAMIC		INTACT	YELLOW	Negative	0
35	DOOR CASING	METAL		INTACT	BLACK	Negative	0

No.	Component	Substrate	Side	Condition	Color	Results	mg/cm ²
36	DOOR	METAL		INTACT	YELLOW	Negative	0
37	WALL	DRYWALL		INTACT	L. BLUE	Negative	0
38	WALL	CERAMIC		INTACT	L. BLUE	Positive	1.5
39	WALL	DRYWALL		INTACT	L. BLUE	Negative	0
40	WALL	CERAMIC		INTACT	L. BLUE	Positive	1.8
41	WALL	DRYWALL		INTACT	L. BLUE	Negative	0
42	WALL	CERAMIC		INTACT	L. BLUE	Positive	2
43	WALL	DRYWALL		INTACT	L. BLUE	Negative	0
44	WALL	CERAMIC		INTACT	L. BLUE	Positive	1.8
45	CEILING	DRYWALL		INTACT	L. BLUE	Negative	0
46	FLOOR	CERAMIC		INTACT	L. BLUE	Negative	0
47	DOOR CASING	METAL		INTACT	BLACK	Negative	0
48	DOOR	METAL		INTACT	L. BLUE	Negative	0
49	WALL	DRYWALL		INTACT	OFF WHITE	Negative	0
50	WALL	DRYWALL		INTACT	OFF WHITE	Negative	0
51	WALL	DRYWALL		INTACT	OFF WHITE	Negative	0
52	WALL	DRYWALL		INTACT	OFF WHITE	Negative	0
53	CEILING	DRYWALL		INTACT	OFF WHITE	Negative	0
54	DOOR CASING	DRYWALL		INTACT	BLUE	Negative	0
55	WALL	DRYWALL		INTACT	OFF WHITE	Negative	0
56	WALL	DRYWALL		INTACT	OFF WHITE	Negative	0
57	WALL	DRYWALL		INTACT	OFF WHITE	Negative	0
58	WALL	DRYWALL		INTACT	OFF WHITE	Negative	0
	CALIBRATE		UPPER		RED	Positive	1
	CALIBRATE		LOWER		RED	Positive	1.1

APPENDIX C – REPRESENTATIVE PHOTOGRAPHS

BSD-ERROL HASSEL E.S. – PHOTOGRAPHIC LOG

SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	EHES-01A, EHES-01B, & EHES-01C
Material Description	Wallboard Gypsum with Joint Compound Brown
Accessible Material	Accessible
Reason Inaccessible	N/A
Asbestos Detected	Negative
Asbestos Type	No Asbestos Detected
Homogeneous Area	Restrooms 1
Total Approximate Quantity	N/A
Condition	Good
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	EHES-02A, EHES-02B, & EHES-02C
Material Description	Ceramic Wall Tile Grout/Glue
Accessible Material	Accessible
Reason Inaccessible	N/A
Asbestos Detected	Negative
Asbestos Type	No Asbestos Detected
Homogeneous Area	Restrooms 1
Total Approximate Quantity	N/A
Condition	Good
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	EHES-03A, EHES-03B, & EHES-03C
Material Description	Caulking White
Accessible Material	Accessible
Reason Inaccessible	N/A
Asbestos Detected	Negative
Asbestos Type	No Asbestos Detected
Homogeneous Area	Restrooms 1
Total Approximate Quantity	N/A
Condition	Good
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	EHES-04A, EHES-04B, & EHES-04C
Material Description	Ceramic Floor Tile Grout/Glue
Accessible Material	Accessible
Reason Inaccessible	N/A
Asbestos Detected	Negative
Asbestos Type	No Asbestos Detected
Homogeneous Area	Restrooms 1
Total Approximate Quantity	N/A
Condition	Good
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	N/A
Material Description	Mirror Glue
Accessible Material	Inaccessible
Reason Inaccessible	Discreet Sampling Requested
Asbestos Detected	N/A
Asbestos Type	N/A
Homogeneous Area	Restrooms 1
Total Approximate Quantity	30 SF
Condition	N/A
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	N/A
Material Description	Fire Doors
Accessible Material	Inaccessible
Reason Inaccessible	N/A
Asbestos Detected	N/A
Asbestos Type	N/A
Homogeneous Area	Restrooms 1
Total Approximate Quantity	2 Each
Condition	N/A
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	EHES-05A, EHES-05B, & EHES-05C
Material Description	Wallboard Gypsum with Joint Compound Brown
Accessible Material	Accessible
Reason Inaccessible	N/A
Asbestos Detected	Negative
Asbestos Type	No Asbestos Detected
Homogeneous Area	Restrooms 3
Total Approximate Quantity	N/A
Condition	Good
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	EHES-06A, EHES-06B, & EHES-06C
Material Description	Ceramic Floor Tile Grout/Glue
Accessible Material	Accessible
Reason Inaccessible	N/A
Asbestos Detected	Negative
Asbestos Type	No Asbestos Detected
Homogeneous Area	Restrooms 3
Total Approximate Quantity	N/A
Condition	Good
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	EHES-07A, EHES-07B, & EHES-07C
Material Description	Ceramic Wall Tile Grout/Glue
Accessible Material	Accessible
Reason Inaccessible	N/A
Asbestos Detected	Negative
Asbestos Type	No Asbestos Detected
Homogeneous Area	Restrooms 3
Total Approximate Quantity	N/A
Condition	Good
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	EHES-08A, EHES-08B, & EHES-08C
Material Description	Caulking White
Accessible Material	Accessible
Reason Inaccessible	N/A
Asbestos Detected	Negative
Asbestos Type	No Asbestos Detected
Homogeneous Area	Restrooms 3
Total Approximate Quantity	N/A
Condition	Good
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	N/A
Material Description	Fire Doors
Accessible Material	Inaccessible
Reason Inaccessible	Discreet Sampling Requested
Asbestos Detected	N/A
Asbestos Type	N/A
Homogeneous Area	Restrooms 3
Total Approximate Quantity	2 Each
Condition	N/A
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	N/A
Material Description	Mirror Glue
Accessible Material	Inaccessible
Reason Inaccessible	Discreet Sampling Requested
Asbestos Detected	N/A
Asbestos Type	N/A
Homogeneous Area	Restrooms 3
Total Approximate Quantity	30 SF
Condition	N/A
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	EHES-09A, EHES-09B, & EHES-09C
Material Description	Wallboard Gypsum with Joint Compound Gray
Accessible Material	Accessible
Reason Inaccessible	N/A
Asbestos Detected	Negative
Asbestos Type	No Asbestos Detected
Homogeneous Area	Modular Restrooms
Total Approximate Quantity	N/A
Condition	Good
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	EHES-10A, EHES-10B, & EHES-10C
Material Description	Sheet Vinyl Flooring (Marble Pattern)
Accessible Material	Accessible
Reason Inaccessible	N/A
Asbestos Detected	Negative
Asbestos Type	No Asbestos Detected
Homogeneous Area	Modular Restrooms (Girls)
Total Approximate Quantity	N/A
Condition	Good
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	EHES-11A, EHES-11B, & EHES-11C
Material Description	Sheet Vinyl Flooring (Stone Pattern)
Accessible Material	Accessible
Reason Inaccessible	N/A
Asbestos Detected	Negative
Asbestos Type	No Asbestos Detected
Homogeneous Area	Modular Restrooms (Boys)
Total Approximate Quantity	N/A
Condition	Good
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	EHES-12A, EHES-12B, & EHES-12C
Material Description	6" Beige Cove Base & Associated Glue
Accessible Material	Accessible
Reason Inaccessible	N/A
Asbestos Detected	Negative
Asbestos Type	No Asbestos Detected
Homogeneous Area	Modular Restrooms (Boys)
Total Approximate Quantity	N/A
Condition	Good
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	EHES-13A, EHES-13B, & EHES-13C
Material Description	RFP Glue
Accessible Material	Accessible
Reason Inaccessible	N/A
Asbestos Detected	Negative
Asbestos Type	No Asbestos Detected
Homogeneous Area	Modular Restrooms
Total Approximate Quantity	N/A
Condition	Good
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	EHES-14A, EHES-14B, & EHES-14C
Material Description	Caulking White
Accessible Material	Accessible
Reason Inaccessible	N/A
Asbestos Detected	Negative
Asbestos Type	No Asbestos Detected
Homogeneous Area	Modular Restrooms
Total Approximate Quantity	N/A
Condition	Good
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	N/A
Material Description	Mirror Glue
Accessible Material	Inaccessible
Reason Inaccessible	Discreet Sampling Requested
Asbestos Detected	N/A
Asbestos Type	N/A
Homogeneous Area	Modular Restrooms
Total Approximate Quantity	60 SF
Condition	N/A
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



SUSPECT ASBESTOS CONTAINING MATERIAL

Sample Numbers	N/A
Material Description	Fire Doors
Accessible Material	Inaccessible
Reason Inaccessible	Discreet Sampling Requested
Asbestos Detected	N/A
Asbestos Type	N/A
Homogeneous Area	Modular Restrooms
Total Approximate Quantity	2 Each
Condition	N/A
Material Type	N/A
NESHAP Category	N/A
Notes	Not Applicable



APPENDIX D – LABORATORY RESULTS AND CHAIN OF CUSTODY

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report

0229927

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	TRC SOLUTIONS	Job# / P.O. #:	369880
Address:	4105 SE INTERNATIONAL WAY	Date Received:	11/26/2019
	STE 505	Date Analyzed:	12/03/2019
	MILWAUKIE OR 97222		
Collected:	11/25/2019	Date Reported:	12/03/2019
Project Name:	BSD-ERROL HASSELL E.S.	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	JASON STONE
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0229927-001 EHES-01A	RESTROOMS 1	LAYER 1 Wallboard Gypsum, Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Joint Compound, Off White	No	None Detected	Cellulose Fiber 1% Gypsum Mica Quartz Binder/Filler 99%
		LAYER 1 Wallboard Gypsum, Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Joint Compound, Off White	No	None Detected	Cellulose Fiber <1% Gypsum Mica Quartz Binder/Filler 99%
0229927-002 EHES-01B	RESTROOMS 1	LAYER 1 Wallboard Gypsum, Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Joint Compound, Off White	No	None Detected	Cellulose Fiber <1% Gypsum Mica Quartz Binder/Filler 99%
		LAYER 1 Wallboard Gypsum, Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Joint Compound, Off White	No	None Detected	Cellulose Fiber <1% Gypsum Mica Quartz Binder/Filler 99%
0229927-003 EHES-01C	RESTROOMS 1	LAYER 1 Wallboard Gypsum, Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Joint Compound, Off White	No	None Detected	Cellulose Fiber <1% Gypsum Mica Quartz Binder/Filler 99%
		LAYER 1 Wallboard Gypsum, Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Joint Compound, Off White	No	None Detected	Cellulose Fiber <1% Gypsum Mica Quartz Binder/Filler 99%

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Collected:	11/25/2019	Date Reported:	12/03/2019
Project Name:	BSD-ERROL HASSELL E.S.	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	JASON STONE
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0229927-004 EHES-02A	RESTROOMS 1	LAYER 1	No	None Detected	Cellulose Fiber	1%
		Glue, Beige			Quartz	
		Note: No Grout Present			Gypsum	
					Binder/Filler	99%
		LAYER 2	No	None Detected	Cellulose Fiber	1%
		Joint Compound, Off White			Gypsum	
					Mica	
					Quartz	
					Binder/Filler	99%
0229927-005 EHES-02B	RESTROOMS 1	LAYER 1	No	None Detected	Cellulose Fiber	<1%
		Glue, Beige			Quartz	
		Note: No Grout Present			Gypsum	
					Binder/Filler	99%
		LAYER 2	No	None Detected	Cellulose Fiber	<1%
		Joint Compound, Off White			Gypsum	
					Mica	
					Quartz	
					Binder/Filler	99%
0229927-006 EHES-02C	RESTROOMS 1	LAYER 1	No	None Detected	Cellulose Fiber	1%
		Glue, Beige			Quartz	
		Note: No Grout Present			Gypsum	
					Binder/Filler	99%
		LAYER 2	No	None Detected	Cellulose Fiber	<1%
		Joint Compound, Off White			Gypsum	
					Mica	
					Quartz	
					Binder/Filler	99%
0229927-007 EHES-03A	RESTROOMS 1	Caulking, White	No	None Detected	Carbonates	
					Quartz	
					Binder/Filler	100%

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Project Name:	BSD-ERROL HASSELL E.S.	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	JASON STONE
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0229927-008 EHES-03B	RESTROOMS 1	Caulking, White	No	None Detected	Cellulose Fiber Carbonates Quartz Binder/Filler	<1% 99%
0229927-009 EHES-03C	RESTROOMS 1	Caulking, White	No	None Detected	Cellulose Fiber Carbonates Quartz Binder/Filler	<1% 99%
0229927-010 EHES-04A	RESTROOMS 1	Ceramic Tile Grout, Black Note: No Glue Present	No	None Detected	Cellulose Fiber Quartz Gypsum Carbonates Binder/Filler	<1% 99%
0229927-011 EHES-04B	RESTROOMS 1	Ceramic Tile Grout, Black Note: No Glue Present	No	None Detected	Cellulose Fiber Quartz Gypsum Carbonates Binder/Filler	<1% 99%
0229927-012 EHES-04C	RESTROOMS 1	Ceramic Tile Grout, Black Note: No Glue Present	No	None Detected	Cellulose Fiber Quartz Gypsum Carbonates Binder/Filler	1% 99%

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Project Name:	BSD-ERROL HASSELL E.S.	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	JASON STONE
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0229927-013 EHES-05A	RESTROOMS 3	LAYER 1 Wallboard Gypsum, Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Joint Compound/ Paint, Yellow/ Off White	No	None Detected	Cellulose Fiber <1% Gypsum Mica Quartz Binder/Filler 99%
		LAYER 1 Wallboard Gypsum, Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Joint Compound/ Paint, Yellow/ Off White	No	None Detected	Cellulose Fiber 1% Gypsum Mica Quartz Binder/Filler 99%

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	STE 505	Date Analyzed:	12/03/2019
	MILWAUKIE OR 97222		
Collected:	11/25/2019	Date Reported:	12/03/2019
Project Name:	BSD-ERROL HASSELL E.S.	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	JASON STONE
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0229927-015 EHES-05C	RESTROOMS 3	LAYER 1 Wallboard Gypsum, Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Joint Compound, Off White	No	None Detected	Cellulose Fiber 1% Gypsum Mica Quartz Binder/Filler 99%
		LAYER 3 Texture/ Paint, Blue/ Off White	No	None Detected	Cellulose Fiber <1% Gypsum Mica Quartz Binder/Filler 99%
0229927-016 EHES-06A	RESTROOMS 3	LAYER 1 Ceramic Floor Tile, Beige	No	None Detected	Quartz Gypsum Carbonates Binder/Filler 100%
		LAYER 2 Grout, Black Note: No Glue Present	No	None Detected	Cellulose Fiber <1% Quartz Gypsum Carbonates Binder/Filler 99%

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	STE 505	Date Analyzed:	12/03/2019
	MILWAUKIE OR 97222		
Collected:	11/25/2019	Date Reported:	12/03/2019
Project Name:	BSD-ERROL HASSELL E.S.	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	JASON STONE
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0229927-017 EHES-06B	RESTROOMS 3	LAYER 1 Ceramic Floor Tile, Beige	No	None Detected	Quartz Gypsum Carbonates Binder/Filler 100%
		LAYER 2 Grout, Black Note: No Glue Present	No	None Detected	Cellulose Fiber Quartz Gypsum Carbonates Binder/Filler <1% 99%
0229927-018 EHES-06C	RESTROOMS 3	LAYER 1 Ceramic Floor Tile, Beige	No	None Detected	Quartz Gypsum Carbonates Binder/Filler 100%
		LAYER 2 Grout, Black Note: No Glue Present	No	None Detected	Cellulose Fiber Quartz Gypsum Carbonates Binder/Filler <1% 99%
0229927-019 EHES-07A	RESTROOMS 3	Ceramic Wall Tile Grout, Tan Note: No Ceramic Wall Tile & Glue Present	No	None Detected	Gypsum Quartz Carbonates Binder/Filler 100%
0229927-020 EHES-07B	RESTROOMS 3	Ceramic Wall Tile Grout, Tan Note: No Ceramic Wall Tile & Glue Present	No	None Detected	Quartz Gypsum Carbonates Binder/Filler 100%

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	MILWAUKIE OR 97222		
Collected:	11/25/2019	Date Reported:	12/03/2019
Project Name:	BSD-ERROL HASSELL E.S.	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	JASON STONE
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0229927-021 EHES-07C	RESTROOMS 3	Ceramic Wall Tile Grout, Tan Note: No Ceramic Wall Tile & Glue Present	No	None Detected	Quartz Gypsum Carbonates Binder/Filler 100%
0229927-022 EHES-08A	RESTROOMS 3	Caulking, White	No	None Detected	Carbonates Quartz Binder/Filler 100%
0229927-023 EHES-08B	RESTROOMS 3	Caulking, White	No	None Detected	Carbonates Quartz Binder/Filler 100%
0229927-024 EHES-08C	RESTROOMS 3	Caulking, White	No	None Detected	Carbonates Quartz Binder/Filler 100%

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NVLAP#101926-0

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Address:	4105 SE INTERNATIONAL WAY	Date Received:	11/26/2019
	STE 505	Date Analyzed:	12/03/2019
	MILWAUKIE OR 97222		
Collected:	11/25/2019	Date Reported:	12/03/2019
Project Name:	BSD-ERROL HASSELL E.S.	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	JASON STONE
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0229927-025 EHES-09A	MODULAR RESTROOMS	LAYER 1 Wallboard Gypsum, Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Joint Compound, Off White	No	None Detected	Cellulose Fiber 1% Gypsum Mica Quartz Carbonates 99%
		LAYER 3 Texture/ Paint, White/ Off White	No	None Detected	Cellulose Fiber 2% Carbonates Mica Quartz Binder/Filler 98%
0229927-026 EHES-09B	MODULAR RESTROOMS	LAYER 1 Wallboard Gypsum, Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Joint Compound/ Paint, White/ Off White	No	None Detected	Cellulose Fiber <1% Gypsum Perlite Carbonates Binder/Filler 99%

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Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	TRC SOLUTIONS	Job# / P.O. #:	369880
Address:	4105 SE INTERNATIONAL WAY	Date Received:	11/26/2019
	STE 505	Date Analyzed:	12/03/2019
	MILWAUKIE OR 97222		
Collected:	11/25/2019	Date Reported:	12/03/2019
Project Name:	BSD-ERROL HASSELL E.S.	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	JASON STONE
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0229927-027 EHES-09C	MODULAR RESTROOMS	LAYER 1 Wallboard Gypsum, Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%
		LAYER 2 Joint Compound, Off White	No	None Detected	Cellulose Fiber <1% Gypsum Mica Quartz Carbonates 99%
		LAYER 3 Texture/ Paint, Yellow/ Off White	No	None Detected	Carbonates Mica Quartz Binder/Filler 100%
0229927-028 EHES-10A	MODULAR RESTROOMS (GIRLS)	LAYER 1 Sheet Vinyl Flooring, Beige/ Brown Note: Marble Pattern	No	None Detected	Cellulose Fiber 20% Carbonates Binder/Filler 80%
		LAYER 2 Mastic/ Leveling Compound, Lt. Yellow/Gray Note: Very small amount of mastic	No	None Detected	Cellulose Fiber 5% Carbonates Gypsum Quartz Binder/Filler 95%
0229927-029 EHES-10B	MODULAR RESTROOMS (GIRLS)	LAYER 1 Sheet Vinyl Flooring, Beige/ Brown Note: Marble Pattern	No	None Detected	Cellulose Fiber 20% Carbonates Binder/Filler 80%
		LAYER 2 Mastic/ Leveling Compound, Lt. Yellow/Gray Note: Very small amount of mastic	No	None Detected	Cellulose Fiber 7% Carbonates Gypsum Perlite Binder/Filler 93%

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	MILWAUKIE OR 97222		
Collected:	11/25/2019	Date Reported:	12/03/2019
Project Name:	BSD-ERROL HASSELL E.S.	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	JASON STONE
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0229927-030 EHES-10C	MODULAR RESTROOMS (GIRLS)	LAYER 1 Sheet Vinyl Flooring, Beige/ Brown Note: Marble Pattern	No	None Detected	Cellulose Fiber	20%
					Carbonates Binder/Filler	80%
		LAYER 2 Mastic/ Leveling Compound, Lt. Yellow/Gray Note: Very small amount of mastic	No	None Detected	Cellulose Fiber	5%
					Carbonates Gypsum Perlite Binder/Filler	95%
0229927-031 EHES-11A	MODULAR RESTROOMS (BOYS)	LAYER 1 Sheet Vinyl Flooring, Beige/ Tan/ Off White Note: Stone Pattern	No	None Detected	Synthetic Fiber Fibrous Glass	15% 3%
					Carbonates Binder/Filler	82%
		LAYER 2 Mastic/ Leveling Compound, Tan/Gray	No	None Detected	Cellulose Fiber	5%
					Carbonates Gypsum Mica Binder/Filler	95%
0229927-032 EHES-11B	MODULAR RESTROOMS (BOYS)	LAYER 1 Sheet Vinyl Flooring, Beige/ Tan/ Off White Note: Stone Pattern	No	None Detected	Synthetic Fiber Fibrous Glass	15% 3%
					Carbonates Binder/Filler	82%
		LAYER 2 Mastic/ Leveling Compound, Tan/Gray	No	None Detected	Cellulose Fiber Fibrous Glass	4% 1%
					Carbonates Gypsum Mica Binder/Filler	95%

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	STE 505	Date Analyzed:	12/03/2019
	MILWAUKIE OR 97222		
Collected:	11/25/2019	Date Reported:	12/03/2019
Project Name:	BSD-ERROL HASSELL E.S.	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	JASON STONE
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0229927-033 EHES-11C	MODULAR RESTROOMS (BOYS)	LAYER 1 Sheet Vinyl Flooring, Beige/ Tan/ Off White Note: Stone Pattern	No	None Detected	Synthetic Fiber 15% Fibrous Glass 3%
					Carbonates Binder/Filler 82%
		LAYER 2 Mastic/ Leveling Compound, Tan/Gray	No	None Detected	Cellulose Fiber 4% Fibrous Glass 1%
					Carbonates Gypsum Mica Binder/Filler 95%
0229927-034 EHES-12A	MODULAR RESTROOMS (BOYS)	LAYER 1 6" Cove Base, Beige	No	None Detected	
					Carbonates Quartz Binder/Filler 100%
		LAYER 2 Glue, Beige	No	None Detected	Cellulose Fiber 1%
					Quartz Gypsum Binder/Filler 99%
0229927-035 EHES-12B	MODULAR RESTROOMS (BOYS)	LAYER 1 6" Cove Base, Beige	No	None Detected	
					Carbonates Quartz Binder/Filler 100%
		LAYER 2 Glue, Beige	No	None Detected	Cellulose Fiber 2%
					Quartz Carbonates Binder/Filler 98%

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Collected:	11/25/2019	Date Reported:	12/03/2019
Project Name:	BSD-ERROL HASSELL E.S.	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	JASON STONE
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0229927-036 EHES-12C	MODULAR RESTROOMS (BOYS)	LAYER 1 6" Cove Base, Beige	No	None Detected	
					Carbonates Quartz Binder/Filler 100%
		LAYER 2 Glue, Beige	No	None Detected	Cellulose Fiber <1%
					Quartz Gypsum Binder/Filler 99%
0229927-037 EHES-13A	MODULAR RESTROOMS	LAYER 1 RFP, Lt. Blue/ Brown	No	None Detected	Cellulose Fiber 70%
					Gypsum Binder/Filler 30%
		LAYER 2 Glue, Green/Clear	No	None Detected	Cellulose Fiber 5%
					Quartz Gypsum Binder/Filler 95%
0229927-038 EHES-13B	MODULAR RESTROOMS	LAYER 1 RFP, Lt. Blue/ Brown	No	None Detected	Cellulose Fiber 70%
					Gypsum Binder/Filler 30%
		LAYER 2 Glue, Green/Clear	No	None Detected	Cellulose Fiber 5%
					Carbonates Binder/Filler 95%
0229927-039 EHES-13C	MODULAR RESTROOMS	LAYER 1 RFP, Lt. Blue/ Brown	No	None Detected	Cellulose Fiber 70%
					Gypsum Binder/Filler 30%
		LAYER 2 Glue, Green/Clear	No	None Detected	Cellulose Fiber 3%
					Carbonates Binder/Filler 97%

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NVLAP#101926-0

Client:	TRC SOLUTIONS	Job# / P.O. #:	369880
Address:	4105 SE INTERNATIONAL WAY	Date Received:	11/26/2019
	STE 505	Date Analyzed:	12/03/2019
	MILWAUKIE OR 97222		
Collected:	11/25/2019	Date Reported:	12/03/2019
Project Name:	BSD-ERROL HASSELL E.S.	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	JASON STONE
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0229927-040 EHES-14A	MODULAR RESTROOMS	Caulking, White	No	None Detected	Cellulose Fiber	1%
					Carbonates Quartz Binder/Filler	99%
0229927-041 EHES-14B	MODULAR RESTROOMS	Caulking, White	No	None Detected	Cellulose Fiber	1%
					Carbonates Quartz Binder/Filler	99%
0229927-042 EHES-14C	MODULAR RESTROOMS	Caulking, White	No	None Detected	Cellulose Fiber	<1%
					Carbonates Quartz Binder/Filler	99%


Analyst - Johann Hofer


Signatory - Lab Director - Kurt Kettler

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernible layer. All analyses are derived from calibrated visual estimate and measured in area percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicated or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately less than 1 by area percent. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method for asbestos. The accreditation or any reports generated by this laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The 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. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.



4105 SE International Way, Suite 505,
Milwaukie, OR 97222

ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORM

Client: Beaverton School District		Project Number: 369880	Inspector(s): Jason Stone, Chloe Hudson	
Project Name: BSD-Errol Hassel E.S. Errol Hassel E.S.		Tracking Number:	Requested TAT: 3 DAY	
Email Results to: jstone@trccompanies.com, mcuda@trccompanies.com, rlandolt@trccompanies.com, vshepersky@trccompanies.com		Analytical Method: PLM EPA 600/R-93/116	Lab Comments:	

Date Collected	Sample Identification	Material Description	Homogeneous Area	Sample Location	Lab Identification (Lab Use Only)
2019-11-25	EHES-01A	Wallboard, Gypsum with Joint Compound, Brown	Restrooms 1	See Diagram	
2019-11-26	EHES-01B	Wallboard, Gypsum with Joint Compound, Brown	Restrooms 1	See Diagram	
2019-11-26	EHES-01C	Wallboard, Gypsum with Joint Compound, Brown	Restrooms 1	See Diagram	
2019-11-25	EHES-02A	Ceramic Wall Tile Grout/Glue	Restrooms 1	See Diagram	
2019-11-26	EHES-02B	Ceramic Wall Tile Grout/Glue	Restrooms 1	See Diagram	
2019-11-26	EHES-02C	Ceramic Wall Tile Grout/Glue	Restrooms 1	See Diagram	
2019-11-25	EHES-03A	Caulking, White	Restrooms 1	See Diagram	
2019-11-26	EHES-03B	Caulking, White	Restrooms 1	See Diagram	
2019-11-26	EHES-03C	Caulking, White	Restrooms 1	See Diagram	
2019-11-25	EHES-04A	Ceramic Floor Tile Grout/Glue	Restrooms 1	See Diagram	

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Date Collected	Sample Identification	Material Description	Homogeneous Area	Sample Location	Lab Identification (Lab Use Only)
11 2019-11-26	EHE-04B	Ceramic Floor Tile Grout/Glue	Restrooms 1	See Diagram	
12 2019-11-26	EHE-04C	Ceramic Floor Tile Grout/Glue	Restrooms 1	See Diagram	
13 2019-11-25	EHE-05A	Wallboard, Gypsum with Joint Compound, Brown	Restrooms 3	See Diagram	
14 2019-11-26	EHE-05B	Wallboard, Gypsum with Joint Compound, Brown	Restrooms 3	See Diagram	
15 2019-11-26	EHE-05C	Wallboard, Gypsum with Joint Compound, Brown	Restrooms 3	See Diagram	
16 2019-11-25	EHE-06A	Ceramic Floor Tile Grout/Glue	Restrooms 3	See Diagram	
17 2019-11-26	EHE-06B	Ceramic Floor Tile Grout/Glue	Restrooms 3	See Diagram	
18 2019-11-26	EHE-06C	Ceramic Floor Tile Grout/Glue	Restrooms 3	See Diagram	
19 2019-11-25	EHE-07A	Ceramic Wall Tile Grout/Glue	Restrooms 3	See Diagram	
20 2019-11-26	EHE-07B	Ceramic Wall Tile Grout/Glue	Restrooms 3	See Diagram	
21 2019-11-26	EHE-07C	Ceramic Wall Tile Grout/Glue	Restrooms 3	See Diagram	
22 2019-11-25	EHE-08A	Caulking, White	Restrooms 3	See Diagram	
23 2019-11-26	EHE-08B	Caulking, White	Restrooms 3	See Diagram	
24 2019-11-26	EHE-08C	Caulking, White	Restrooms 3	See Diagram	
25 2019-11-25	EHE-09A	Wallboard, Gypsum with Joint Compound, Gray	Modular Restrooms	See Diagram	
26 2019-11-26	EHE-09B	Wallboard, Gypsum with Joint Compound, Gray	Modular Restrooms	See Diagram	
27 2019-11-26	EHE-09C	Wallboard, Gypsum with Joint Compound, Gray	Modular Restrooms	See Diagram	
28 2019-11-25	EHE-10A	Sheet Vinyl Flooring (Marble Pattern)	Modular Restrooms (Girls)	See Diagram	
29 2019-11-26	EHE-10B	Sheet Vinyl Flooring (Marble Pattern)	Modular Restrooms (Girls)	See Diagram	
30 2019-11-26	EHE-10C	Sheet Vinyl Flooring (Marble Pattern)	Modular Restrooms (Girls)	See Diagram	

Date Collected	Sample Identification	Material Description	Homogeneous Area	Sample Location	Lab Identification (Lab Use Only)
2019-11-25	EHES-11A	Sheet Vinyl Flooring (Stone Pattern)	Modular Restrooms (Boys)	See Diagram	
2019-11-26	EHES-11B	Sheet Vinyl Flooring (Stone Pattern)	Modular Restrooms (Boys)	See Diagram	
2019-11-26	EHES-11C	Sheet Vinyl Flooring (Stone Pattern)	Modular Restrooms (Boys)	See Diagram	
2019-11-25	EHES-12A	6" Beige Cove Base & Associated Glue	Modular Restrooms (Boys)	See Diagram	
2019-11-26	EHES-12B	6" Beige Cove Base & Associated Glue	Modular Restrooms (Boys)	See Diagram	
2019-11-26	EHES-12C	6" Beige Cove Base & Associated Glue	Modular Restrooms (Boys)	See Diagram	
2019-11-25	EHES-13A	RFP Glue	Modular Restrooms	See Diagram	
2019-11-26	EHES-13B	RFP Glue	Modular Restrooms	See Diagram	
2019-11-26	EHES-13C	RFP Glue	Modular Restrooms	See Diagram	
2019-11-25	EHES-14A	Caulking, White	Modular Restrooms	See Diagram	
2019-11-26	EHES-14B	Caulking, White	Modular Restrooms	See Diagram	
2019-11-26	EHES-14C	Caulking, White	Modular Restrooms	See Diagram	
Special Instruction to Laboratory:					
N/A					

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CHAIN OF CUSTODY INFORMATION

Relinquished By:	Date	Time	Received By:	Date	Time
I. (Print): Jason Stone	2019-11-26	08:09:55 PST	I. (Print): Diana Federico	11/26/19	930 am
(Sign): <i>JS</i>			(Sign): Diana Federico		
II. (Print): Diana Federico	11/26/19	3:10p	II. (Print): J. D. Federico	11-26-19	930 (KSW)
(Sign): Diana Federico			(Sign): <i>[Signature]</i>		

APPENDIX E – CERTIFICATIONS

Certificate of Completion

This is to certify that

Jason Stone

has satisfactorily completed
4 hours of refresher training as an
AHERA Building Inspector

to comply with the training requirements of
TSCA Title II, 40 CFR 763 (AHERA)

EPA Provider # 1085

170699

Certificate Number



Dec 12, 2018 Expires in 1 year.

Date(s) of Training

Exam Score (if applicable):

A handwritten signature in black ink, appearing to read "M. Stone", written over a horizontal line.

Instructor

ARGUS PACIFIC, INC / 21905 64th AVE W, SUITE 100 / MOUNTLAKE TERRACE, WASHINGTON 98043 / 206.285.3373 / ARGUSPACIFIC.COM

JASON CHRISTOPHER STONE
650 SE 154TH AVE
PORTLAND OR 97233

CONSTRUCTION CONTRACTORS BOARD
LEAD BASED PAINT RISK ASSESSOR LICENSE
LICENSE NO.: 9151698-RA

EXPIRATION DATE: 10/8/2020

This document certifies that

JASON CHRISTOPHER STONE
650 SE 154TH AVE
PORTLAND OR 97233

is licensed in accordance with Oregon Law as a
Lead Based Paint Risk Assessor

STATE OF OREGON
CONSTRUCTION CONTRACTORS BOARD
LEAD BASED PAINT RISK ASSESSOR LICENSE

LICENSE NUMBER: 9151698-RA

This document certifies that

JASON CHRISTOPHER STONE
650 SE 154TH AVE
PORTLAND OR 97233

is licensed in accordance with Oregon Law as a Lead Based Paint Risk Assessor

License Details:

LICENSE NO.: 9151698-RA
EXPIRATION DATE: 10/8/2020