Northwest Abatement Services, Inc.

"It's Not What We Do, It's How We Do It"

Asbestos & Lead Survey

Project:
Clover Park Technical College
4500 Steilacoom Blvd. SW
Building 22
Lakewood, WA 98499

Prepared For:
Keith Schreiber
Schreiber Starling & Lane Architect
185 University Street
Seattle, WA 98101

Project Number: SR16-2639

PO Box 39220 9822 32nd Ave Ct S Lakewood, WA 98499 Phone: 253.588.0440 Fax: 253.588.0198 www.nwabatement.com

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SECTION 1 | Inspection Report

AHERA Certified Asbestos Survey / Inspection Report

04-25-2016

Prepared For: Schreiber Starling & Lane Architects

Project: Asbestos Survey
Clover Park Technical College
Building No. 22
4500 Steilacoom Blvd. SW
Lakewood, WA 98499

A. Background

On 04-18-2016, Northwest Abatement Services, Inc. performed an asbestos identification inspection which will serve as our report for all visible Asbestos Containing Building Materials located at the address listed above. The purpose of this inspection was to ascertain the presence of asbestos containing materials located in the structure and provide a report to conform to WAC 296-62-077, PSCAA Regulation III, Section 4 and 40 CFR 763 requirements for identification of asbestos. This survey also satisfies regulatory criteria established by OSHA's Department of Labor and Washington State's Department of Labor and Industries for identifying asbestos containing materials associated with the structure for future abatement and demolition. A copy of this report may be submitted to the appropriate agencies as proof that a survey was performed prior to any renovation or demolition. A copy of this report should also be given to the contractor and/or be maintained onsite during any abatement and demolition activities.

B. Sampling Methodology

Suspect materials were sampled by an AHERA (Asbestos Hazard Emergency Response Act) accredited inspector. Sample locations for this survey were chosen in a non-random fashion, with emphasis being placed on obtaining samples of each type of accessible, suspect material, while minimizing damage to the material being sampled. Samples were collected by carefully removing small portions of the suspect material in a non-abrasive manner. If possible, samples were collected from existing damaged areas.

Friable materials are materials which can be crushed, pulverized, or reduced to powder by hand pressure. These materials were wetted with amended water prior to sampling to protect the inspector from potential exposure or accidental fiber release. PPE (personal protective clothing) will only be utilized at the inspector's discretion. A particular suspect material may be located in various separate places throughout the structure.

The EPA does not require that these materials be sampled in each location. Suspect materials of the same type, age, appearance have the same date of installation, and are sampled in accordance with AHERA requirements, must provide statistically reliable data which can be extrapolated on all remaining non sampled areas.

AHERA Protocol determines the number of samples of each materials to be collected, depending on it's category and amount of material present. The goal of AHERA is to ensure statistically reliable data and it accomplishes this by requiring or suggesting a minimum number of samples to be collected, and in some cases, by using random sampling techniques to determine sampling locations. However, in every case, AHERA relies on the judgment of the inspectors who are experienced in AHERA methodology and the type of facilities being inspected. (see appendix A at end of the report)

After identifying the suspect materials, bulk samples were collected and taken to an asbestos laboratory to be analyzed for the amount of asbestos and, the type of asbestos, if any. The asbestos samples were analyzed using Polarized Light Microscopy (PLM), stain dispersion staining techniques in accordance with the EPA Method 600/R-93/166, which has a reliable limit of quantification of one percent asbestos by volume.

C. AHERA Certified Inspector Information

The Certified AHERA Inspector was Paul Peters.
Certification #: BI/R-NES-01-06-16-02, Expiration 01-06-2017

D. Survey Findings

There were a total of sixty one suspect asbestos containing building materials (bulk samples), removed from the structure listed above, for lab analysis. Based on the field inspection, homogenization of materials, and the results of the lab analysis**, fourteen** of the sixty one samples tested **Positive** for Asbestos:

Sample Number	Material	Asbestos Content	Quantity
4	Vinyl Asbestos Tile (VAT)	5% Chrysotile	Approx. 96 ft2
11A	Joint Compound	3% Chrysotile	Approx. 464 ft2
11B	Wall Texture	3% Chrysotile	Approx. 464 ft2
18	Sheet Vinyl Flooring	20% Chrysotile	Approx. 220 ft2
18A	Glue	<1% Chrysotile	Approx. 220 ft2
22	Vinyl Asbestos Tile (VAT)	2% Chrysotile	Approx. 288 ft2
25	Vinyl Asbestos Tile (VAT)	4% Chrysotile	Approx. 1,140 ft2
27	TSI Pipe Wrap	20% Chrysotile	Throughout
27	TSI Pipe Wrap	10% Amosite	Throughout
28	TSI Pipe Elbow	55% Chrysotile	Throughout
35	Boiler Insulation	20% Chrysotile	Throughout
36	TSI Elbow	10% Chrysotile	Throughout
36	TSI Elbow	2% Amosite	Throughout
37	TSI Pipe Wrap	20% Chrysotile	Throughout
38	TSI Elbow	25% Chrysotile	Throughout
38	TSI Elbow	10% Amosite	Throughout
39	Torch Down Roofing	<1% Chrysotile	Throughout
39	Torch Down Roofing	20% Chrysotile	Throughout
39	Torch Down Roofing	2% Chrysotile	Throughout

E. Building Description

The commercial structure is located at 4500 Steilacoom Blvd. SW, Building No. 22, Lakewood, WA 98499.

The structure has cement masonry unit (CMU) block walls and layered torch down roof.

Note: *All suspect ACM finishes were sampled and tested according to AHERA Protocol.* (See appendix A)

The suspect ACM (asbestos containing materials) sampled for analysis are as follows:

Sample Number	Material	Location
1	Vinyl Composition Tile (VCT)	Maintenance Break Room Floor
1A	Mastic	Maintenance Break Room Floor
2	Wallboard	Maintenance Break Room
2A	Joint Compound	Maintenance Break Room
2B	Wall Texture	Maintenance Break Room
3	Ceiling Tile	Maintenance Break Room
3A	Glue	Maintenance Break Room
4	Vinyl Asbestos Tile (VAT)	Maintenance Office Floor
4A	Mastic	Maintenance Office Floor
5	Glue	Cove Base
6	Wallboard	Maintenance Tool Room
6A	Joint Compound	Maintenance Tool Room
6B	Wall Texture	Maintenance Tool Room
7	Ceiling Texture	Maintenance Tool Room
8	Vinyl Composition Tile (VCT)	Men's Bathroom/Maintenance
8A	Glue/Mastic	Men's Bathroom/Maintenance
9	Ceiling Tile	Men's Bathroom/Maintenance
9A	Glue	Men's Bathroom/Maintenance
10	Sheet Vinyl	Radio Room Floor
10A	Glue	Radio Room Floor
11	Wallboard	Radio Room
11A	Joint Compound	Radio Room
11B	Wall Texture	Radio Room
12	Ceiling Texture	Radio Room
13	Vinyl Composition Tile (VCT)	Women's Bathroom Floor
13A	Glue/Mastic	Women's Bathroom Floor
14	Wallboard	Maintenance Admin Offices
14A	Joint Compound	Maintenance Admin Offices
14B	Wall Texture	Maintenance Admin Offices
15	Ceiling Texture	Maintenance Admin Offices
16	Wallboard	Hall/Maintenance Admin Offices
16A	Joint Compound	Hall/Maintenance Admin Offices
16B	Wall Texture	Hall/Maintenance Admin Offices
17	Ceiling Tile	Hall/Maintenance Admin Offices
17A	Glue	Hall/Maintenance Admin Offices
18	Sheet Vinyl	2nd Floor Maintenance Office Floor
18A	Glue	2nd Floor Maintenance Office Floor

The suspect ACM (asbestos containing materials) sampled for analysis are as follows:

Sample Number	Material	Location
19	Wallboard	2nd Floor Maintenance Office
19A	Joint Compound	2nd Floor Maintenance Office
19B	Wall Texture	2nd Floor Maintenance Office
20	Ceiling Texture	2nd Floor Maintenance Office
21	Ceiling Texture	Door 119, Back Room
22	Vinyl Asbestos Tile (VAT)	Shipping Office Floor
22A	Mastic	Shipping Office Floor
23	Wallboard	Room 102, A-39
23A	Joint Compound	Room 102, A-39
23B	Wall Texture	Room 102, A-39
24	Window Putty	Exterior/ Windows
25	Vinyl Asbestos Tile (VAT)	A-5 Floor
25A	Mastic	A-5 Floor
26	Sheet Vinyl	A-5 Entry Floor
27	TSI Pipe Wrap	Pipes in A-5
28	TSI Pipe Elbow	Pipes in A-5
35	Boiler Insulation	Boiler Room
36	TSI Pipe Elbow	Boiler Room
37	TSI Pipe Wrap	CPSD Warehouse
38	TSI Elbow	CPSD Warehouse
39	Torch Down Roofing, 4 Layers	Exterior Roof
40	Torch Down Roofing, 1 Layer	Exterior Roof
41	Torch Down Roofing	East Side, Exterior Roof

The suspect ARSENIC sampled for analysis are as follows:

Sample Number	Material	Location
29	Masonry	Exterior Wall, NW Side
30	Masonry	Interior Wall, A-42
31	Masonry	South Side/Center Wall A-42

The suspect LEAD (lead containing materials) sampled for analysis are as follows:

Sample Number	Material	Location
32	Paint (Dark Green)	Exterior
33	Paint (Light Brown, Base)	Exterior
34	Paint (Brown, Trim)	Exterior

F. Conclusion

Laboratory results show asbestos in the Radio Room joint compound and wall texture; maintenance office, shipping office, A-5 vinyl asbestos tile (VAT) floor; 2nd Floor maintenance office sheet vinyl floor; TSI pipe wrap, TSI pipe elbow, boiler insulation throughout. These materials must be removed be removed by a licensed asbestos abatement contractor prior to demolition and potential disturbance by any renovation activities. *Prior to any demolition or renovation, all friable and non-friable asbestos containing materials (ACM) are to be removed and disposed of in accordance with applicable Federal, State and Local regulations. If there is any asbestos containing materials left on site, that will not be disturbed during the renovation or demolition process, an Asbestos Operational and Maintenance Program (OM) is to be developed and implemented to monitor the remaining ACM.*

In the event any suspect materials are detected during the demolition of this structure, you will need to cease all demolition activities and have these materials sampled for Asbestos.

The Puget Sound Clean Air Authority requires that all materials that contain 1% or more Asbestos, that these materials be removed by a licensed and Certified Asbestos removal contractor, prior to any demolition or renovation.
The abatement contractor should provide the Owner with copies of all required notifications to PSCAA and the Department of Labor and Industries.

A certification letter will need to be obtained from the abatement contractor prior to applying for a demolition permit with PSCAA.
PSCAA will also want to see a copy of the asbestos survey.

Although extreme thoroughness and expertise were exercised to ensure the completeness of this survey, existing conditions may have prevented the discovery of other suspect asbestos containing material. NW Abatement Services, Inc. is not responsible for materials that may be hidden from sight and cannot be discovered with reasonable diligence. Any suspect material not covered in this survey that is encountered during the renovation or demolition procedure should be verified by analysis prior to disturbance.

A visual inspection of the fluorescent fixtures did not show any PCB-containing ballasts/light tubes. There are approximately (475) fluorescent fixtures in Building 22. The thermostat in the east end office area is presumed to be mercury containing.

This report has been prepared for the sole use of our client and its representatives for this project only. The analyses, conclusions and recommendations presented in this report are based upon conditions encountered at the time of our survey only. The scope of services performed during this survey may not be appropriate for the needs of others. Re-use of this document or the findings, conclusions or recommendations presented herein, are at the sole risk of said user. NW Abatement Services, Inc. cannot be held responsible for the interpretation by others of the data contained in this report.

The conclusions presented in this report were based on the results of sample analysis presented by a subcontracted, third party, analytical laboratory. Northwest Abatement Services, Inc. is not responsible for variations in analytical results or inaccuracies resulting from laboratory analysis.

This survey is not intended for use as abatement plans and/or specifications. Northwest Abatement Services, Inc. recommends that professional plans and specifications be prepared for all large scale projects.

No warranty, expressed or implied, is made.

If you have any questions regarding this asbestos survey/inspection report, please contact us at (253) 588-0440, or FAX: (253) 588-0198.

Respectfully submitted,

NORTHWEST ABATEMENT SERVICES, INC.
Paul Peters
Certified AHERA Inspector
DB :initials

Appendix A

The following AHERA protocol was used in determining the number of suspect samples to collect:

Surfacing materials:

1) Homogeneous area equal to or less than 1000 SF (minimum 3 samples).
2) Homogeneous area greater than 1000 SF but less than 5000 SF. (5 samples)
3) Homogeneous area greater than 5000 SF. (7 samples)

Thermal Systems Insulation (TSI):

1) Homogeneous area (1 per each type of suspect materials).

Miscellaneous materials:

1) Homogeneous area (1 per each type of suspect materials)

Suspect Materials are divided into 3 categories:

1) **Surfacing materials –** ACM sprayed or troweled on surfaces (walls, ceilings, and structural members) for acoustical, decorative, thermal insulation or fireproofing purposes. Examples include plaster, popcorn textured ceilings, skim coat textures, and structural fireproofing.

2) **Thermal System Insulation –** Insulation used to inhibit heat transfer or prevent condensation on pipes, boilers, tanks, ducts, and various other components of hot and cold water systems, and heating, ventilation, and air conditioning (HVAC) systems. Examples include pipe lagging, pipe wrap; block, batt, and blanket insulation; cement and "muds" and a variety of other products such as gaskets and ropes.

3) **Miscellaneous Materials –** Materials not classified under surfacing materials or thermal systems insulation. Examples include: floor tile, ceiling tile, roofing felts, concrete piping, outdoor siding and fabrics, glazing putty, wall board and associated assembly component, various mastics, etc. such as floor tile mastics, wall board mastics, ceiling tile mastics etc.

SECTION 2 | Laboratory Results

SanAir Technologies Laboratory

Analysis Report

prepared for

Northwest Abatement Services, Inc.

Report Date: 4/22/2016
Project Name: Clover Park Technical College, Building 22
Project #: SR16-2639
SanAir ID#: 16013399

NVLAP LAB CODE 200870-0

Virginia SBE Certification # 652931

Texas Licensed Mold Analysis Laboratory License # LAB0166

SanAir Technologies Laboratory

804.897.1177 www.sanair.com

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
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Northwest Abatement Services, Inc.
P.O. Box 39220
Lakewood, WA 98496

April 22, 2016

SanAir ID # 16013399
Project Name: Clover Park Technical College, Building 22
Project Number: SR16-2639

Dear Paul Peters,

We at SanAir would like to thank you for the work you recently submitted. The 42 sample(s) were received on Thursday, April 21, 2016 via FedEx. The final report(s) is enclosed for the following sample(s): 1, 1A, 2, 2A, 2B, 3, 3A, 4, 4A, 5, 6, 6A, 6B, 7, 8, 8A, 9, 9A, 10, 10A, 11, 11A, 11B, 12, 13, 13A, 14, 14A, 14B, 15, 16, 16A, 16B, 17, 17A, 18, 18A, 19, 19A, 19B, 20, 21.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:
42 sample(s) in Good condition

SanAir Technologies Laboratory, Inc.

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SanAir ID Number

16013399

FINAL REPORT

Name: Northwest Abatement Services, Inc.
Address: P.O. Box 39220
Lakewood, WA 98496

Project Number: SR16-2639
P.O. Number: SR16-2639
Project Name: Clover Park Technical College, Building 22

Collected Date: 4/18/2016
Received Date: 4/21/2016 10:40:00 AM
Report Date: 4/22/2016 1:26:20 PM
Analyst: Fleming, Christopher

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
1 / 16013399-001 Vinyl Composition Tile (VCT), Maintenance Break Room Floor	Brown Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
1A / 16013399-002 Mastic, Maintenance Break Room Floor, Mastic	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
1A / 16013399-002 Mastic, Maintenance Break Room Floor, Mastic	Black Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
2 / 16013399-003 Wallboard - Maintenance Break Room	Off-White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
2A / 16013399-004 Joint Compound - Maintenance Break Room	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
2B / 16013399-005 Texture - Maintenance Break Room	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
3 / 16013399-006 Ceiling Tile - Maintenance Break Room	White Fibrous Homogeneous	90% Cellulose	10% Other	None Detected

Certification

Analyst: 

Approved Signatory: 

Analysis Date: 4/22/2016

Date: 4/22/2016

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SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
3A / 16013399-007 Glue - Maintenance Break Room	Brown Non-Fibrous Homogeneous		100% Other	None Detected
4 / 16013399-008 Vinyl Composition Tile (VCT) - Maintenance Office Floor	Tan Non-Fibrous Homogeneous		95% Other	5% Chrysotile
4A / 16013399-009 Mastic - Maintenance Office Floor	Brown Non-Fibrous Homogeneous		100% Other	None Detected
5 / 16013399-010 Glue - Cove Base	Various Non-Fibrous Homogeneous		100% Other	None Detected
6 / 16013399-011 Wallboard - Maintenance Tool Room	Off-White Non-Fibrous Homogeneous		100% Other	None Detected
6A / 16013399-012 Joint Compound - Maintenance Tool Room	Off-White Non-Fibrous Homogeneous		100% Other	None Detected
6B / 16013399-013 Texture - Maintenance Tool Room	Off-White Non-Fibrous Homogeneous		100% Other	None Detected

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Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
7 / 16013399-014 Ceiling Texture - Maintenance Tool Room	White Non-Fibrous Homogeneous		100% Other	None Detected
8 / 16013399-015 Vinyl Composition Tile (VCT) - Men's Bathroom, Maintenance	Blue Non-Fibrous Homogeneous		100% Other	None Detected
8A / 16013399-016 Mastic - Men's Bathroom, Maintenance	Various Non-Fibrous Homogeneous		100% Other	None Detected
9 / 16013399-017 Ceiling Tile - Men's Bathroom, Maintenance	White Fibrous Homogeneous	90% Cellulose	10% Other	None Detected
9A / 16013399-018 Glue - Men's Bathroom, Maintenance	Brown Non-Fibrous Homogeneous		100% Other	None Detected
10 / 16013399-019 Sheet Vinyl - Radio Room Floor	Grey Non-Fibrous Homogeneous		100% Other	None Detected
10A / 16013399-020 Glue - Radio Room Floor	Various Non-Fibrous Homogeneous		100% Other	None Detected

Certification

Analyst: Approved Signatory:

Analysis Date: 4/22/2016 Date: 4/22/2016

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Analyst: Fleming, Christopher

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
11 / 16013399-021 Wallboard - Radio Room	Off-White Non-Fibrous Homogeneous		100% Other	None Detected
11A / 16013399-022 Joint Compound - Radio Room	White Non-Fibrous Homogeneous		97% Other	3% Chrysotile
11B / 16013399-023 Texture - Radio Room	White Non-Fibrous Homogeneous		97% Other	3% Chrysotile
12 / 16013399-024 Ceiling Texture - Radio Room	White Non-Fibrous Homogeneous		100% Other	None Detected
13 / 16013399-025 Vinyl Composition Tile (VCT) - Women's Bathroom Floor	Beige Non-Fibrous Homogeneous		100% Other	None Detected
13A / 16013399-026 Glue/ Mastic - Women's Bathroom Floor	Yellow Non-Fibrous Homogeneous		100% Other	None Detected
14 / 16013399-027 Wallboard - Maintenance Admin Offices	Off-White Non-Fibrous Homogeneous		100% Other	None Detected

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Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Components: Stereoscopic Appearance	% Fibrous	% Non-Fibrous	Asbestos Fibers
14A / 16013399-028 Joint Compound - Maintenance Admin Offices	White Non-Fibrous Homogeneous		100% Other	None Detected
14B / 16013399-029 Texture - Maintenance Admin Offices	White Non-Fibrous Homogeneous		100% Other	None Detected
15 / 16013399-030 Ceiling Texture - Maintenance Admin Offices	White Non-Fibrous Homogeneous		100% Other	None Detected
16 / 16013399-031 Wallboard - Hall, Maintenance Admin Offices	Off-White Non-Fibrous Homogeneous		100% Other	None Detected
16A / 16013399-032 Joint Compound - Hall, Maintenance Admin Offices	White Non-Fibrous Homogeneous		100% Other	None Detected
16B / 16013399-033 Texture - Hall, Maintenance Admin Offices	White Non-Fibrous Homogeneous		100% Other	None Detected
17 / 16013399-034 Ceiling Tile - Hall, Maintenance Admin Offices	Off-White Fibrous Homogeneous	60% Min. Wool	40% Other	None Detected

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SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
17A / 16013399-035 Glue - Hall, Maintenance Admin Offices	Brown Non-Fibrous Homogeneous		100% Other	None Detected
18 / 16013399-036 Sheet Vinyl - 2nd Floor Maintenance Office	Various Non-Fibrous Homogeneous		80% Other	20% Chrysotile
18A / 16013399-037 Glue - 2nd Floor Maintenance Office	Yellow Non-Fibrous Homogeneous		100% Other	< 1% Chrysotile
19 / 16013399-038 Wallboard - 2nd Floor Maintenance Office	Off-White Non-Fibrous Homogeneous		100% Other	None Detected
19A / 16013399-039 Joint Compound - 2nd Floor Maintenance Office	White Non-Fibrous Homogeneous		100% Other	None Detected
19B / 16013399-040 Texture - 2nd Floor Maintenance Office	White Non-Fibrous Homogeneous		100% Other	None Detected
20 / 16013399-041 Ceiling Texture - 2nd Floor Maintenance Office	White Non-Fibrous Homogeneous		100% Other	None Detected

Certification

Analyst: 

Approved Signatory: 

Analysis Date: 4/22/2016

Date: 4/22/2016

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Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
21 / 16013399-042 Ceiling Texture - Door 119, Back Room	White Non-Fibrous Homogeneous		100% Other	None Detected

Certification

Analyst: 

Approved Signatory: 

Analysis Date: 4/22/2016

Date: 4/22/2016

Disclaimer

The final report cannot be reproduced, except in full, without written authorization from SanAir. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. The accuracy of the results is dependent upon the clientôs sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample and information provided by the client. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government.

For NY state samples, method EPA 600/M4-82-020 is performed.

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

NY ELAP lab ID 11983

SanAir Technologies Laboratory
1551 Oakbridge Drive Suite B
Powhatan, VA 23139
804-897-1177 / 888-895-1177
Fax 804-897-0070
www.sanair.com

Asbestos Chain of Custody

SanAir ID Number 16013399

Company: Northwest Abatement Services, Inc.	Project #: SR16-2639	Collected by: Paul Peters
Address: P.O. Box 39220	Project Name: Clover Park Technical College, Building 22	Phone #: 253-588-0440
City, St., Zip: Lakewood, WA 98496	Date Collected: 04/18/2016	Fax #: 253-583-0277
State of Collection: WA Account#: 1587	P.O. Number: SR16-2639	Email: paul@nwabatement.com

Bulk

ABB	PLM EPA 600/R-93/116	☑
	Positive Stop ☐	
ABEPA	PLM EPA 400 Point Count	☐
ABB1K	PLM EPA 1000 Point Count	☐
ABBEN	PLM EPA NOB	☐
ABBCH	TEM Chatfield	☐
ABBTM	TEM EPA NOB	☐

Water

ABHE	EPA 100.2	☐

Air

ABA	PCM NIOSH 7400	☐
ABA-2	OSHA w/ TWA*	☐
ABTEM	TEM AHERA	☐
ABATN	TEM NIOSH 7402	☐
ABT2	TEM Level II	☐

New York ELAP

PLM NY	PLM EPA 600/M4-82-020	☐
ABEPA2	NY ELAP 198.1	☐
ABENY	NY ELAP 198.6 PLM NOB	☐
ABBNY	NY ELAP 198.4 TEM NOB	☐

Soil/Vermiculite

ABSE	PLM EPA 600/R-93/116 (Qual.)	☐
ABSP	PLM CARB 435 (LOD <1%)	☐
ABSP1	PLM CARB 435 (LOD 0.25%)	☐
ABSP2	PLM CARB 435 (LOD 0.1%)	☐

Dust

ABWA	TEM Wipe ASTM D-6480	☐
ABDMV	TEM Microvac ASTM D-5755	☐

Other

Matrix		
		☐

Turn Around Times				
	3 HR (4 HR TEM) ☐	6 HR (8HR TEM) ☐	12 HR ☐	24 HR ■
	2 Days ☐	3 Days ☐	4 Days ☐	5 Days ☐

Special Instructions Total Samples: (42)

Sample #	Sample Identification/Location	Volume or Area	Sample Type	Flow Rate*	Time* Start – Stop	
1	Vinyl Composition Tile (VCT), Maintenance Break Room Floor	Approx. 96SF	ABB			
1A	Mastic, Maintenance Break Room Floor	Approx. 96SF	ABB			
2	Wallboard - Maintenance Break Room	Throughout	ABB			
2A	Joint Compound - Maintenance Break Room	Throughout	ABB			
2B	Texture - Maintenance Break Room	Throughout	ABB			
3	Ceiling Tile - Maintenance Break Room	Approx. 464SF	ABB			
3A	Glue - Mintenance Break Room	Approx. 464SF	ABB			
4	Vinyl Composition Tile (VCT) - Maintenance Office Floor	Approx. 96SF	ABB			
4A	Mastic - Maintenance Office Floor	Approx. 96SF	ABB			
5	Glue - Cove Base	Throughout	ABB			
6	Wallboard - Maintenance Tool Room	Throughout	ABB			
6A	Joint Compound - Maintenance Tool Room	Throughout	ABB			

Relinquished by	Date	Time	Received by	Date	Time
			MC	APR 21 2016	10:40AM

Unless scheduled, the turn around time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time. Work with standard turn around time sent Priority Overnight and Billed to Recipient will be charged a $10 shipping fee.

16013399

Sample #	Sample Identification/Location	Sample Type	Flow Rate*	Time* Start – Stop	
6B	Texture - Maintenance Tool Room	Throughout	ABB		
7	Ceiling Texture - Maintenance Tool Room	Approx. 153SF	ABB		
8	Vinyl Composition Tile (VCT) - Men's Bathroom, Maintenance	Approx. 96SF	ABB		
8A	Mastic - Men's Bathroom, Maintenance	Approx. 96SF	ABB		
9	Ceiling Tile - Men's Bathroom, Maintenance	Approx. 96SF	ABB		
9A	Glue - Men's Bathroom, Maintenance	Approx. 96SF	ABB		
10	Sheet Vinyl - Radio Room Floor	Approx. 198SF	ABB		
10A	Glue - Radio Room Floor	Approx. 198SF	ABB		
11	Wallboard - Radio Room	Throughout	ABB		
11A	Joint Compound - Radio Room	Throughout	ABB		
11B	Texture - Radio Room	Throughout	ABB		
12	Ceiling Texture - Radio Room	Throughout	ABB		
13	Vinyl Composition Tile (VCT) - Women's Bathroom Floor	Approx. 108SF	ABB		
13A	Glue/Mastoc - Women's Bathroom Floor	Approx. 108SF	ABB		
14	Wallboard - Maintenance Admin Offices	Throughout	ABB		
14A	Joint Compound - Maintenance Admin Offices	Throughout	ABB		
14B	Texture - Maintenance Admin Offices	Throughout	ABB		
15	Ceiling Texture - Maintenance Admin Offices	Throughout	ABB		
16	Wallboard - Hall, Maintenance Admin Offices	Throughout	ABB		
16A	Joint Compound - Hall, Maintenance Admin Offices	Throughout	ABB		
16B	Texture - Hall, Maintenance Admin Offices	Throughout	ABB		
17	Ceiling Tile - Hall, Maintenance Admin Offices	Throughout	ABB		
17A	Glue - Hall, Maintenance Admin Offices	Throughout	ABB		
18	Sheet Vinyl - 2nd Floor Maintenance Office	Approx. 220SF	ABB		
18A	Glue - 2nd Floor Maintenance Office	Approx. 220SF	ABB		
19	Wallboard - 2nd Floor Maintenance Office	Throughout	ABB		
19A	Joint Compound - 2nd Floor Maintenance Office	Throughout	ABB		
19B	Texture - 2nd Floor Maintenance Office	Throughout	ABB		
20	Ceiling Texture - 2nd Floor Maintenance Office	Approx. 220SF	ABB		
21	Ceiling Texture - Door 119, Back Room	Approx. 522SF	ABB		

Special Instructions	

Relinquished by	Date	Time	Received by	Date	Time
			MC	APR 21 2016	10:40AM

Unless scheduled, the turn around time for all samples received after 3 pm Friday will begin at 8 am Monday morning.
Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time.
Work with standard turn around time sent Priority Overnight and Billed to Recipient will be charged a $10 shipping fee.

SanAir Technologies Laboratory

Analysis Report

prepared for

Northwest Abatement Services, Inc.

Report Date: 4/22/2016
Project Name: Clover Park Technical College, Building 22
Project #: SR16-2639
SanAir ID#: 16013401

NVLAP LAB CODE 200870-0

Virginia SBE Certification # 652931

Texas Licensed Mold Analysis Laboratory License # LAB0166

SanAir Technologies Laboratory

804.897.1177 www.sanair.com

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

Northwest Abatement Services, Inc.
P.O. Box 39220
Lakewood, WA 98496

April 22, 2016

SanAir ID # 16013401
Project Name: Clover Park Technical College, Building 22
Project Number: SR16-2639

Dear Paul Peters,

We at SanAir would like to thank you for the work you recently submitted. The 12 sample(s) were received on Thursday, April 21, 2016 via FedEx. The final report(s) is enclosed for the following sample(s): 22, 23, 23A, 23B, 24, 25, 25A, 26, 26A, 27, 28. The following sample(s) were unusable and were not tested: 22A.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:
11 sample(s) in Good condition 1 sample(s) in QNS condition

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

SanAir ID Number

16013401

FINAL REPORT

Name: Northwest Abatement Services, Inc.
Address: P.O. Box 39220
Lakewood, WA 98496

Project Number: SR16-2639
P.O. Number: SR16-2639
Project Name: Clover Park Technical College, Building 22

Collected Date: 4/18/2016
Received Date: 4/21/2016 10:40:00 AM
Report Date: 4/22/2016 1:56:00 PM
Analyst: Rutter, Amber

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
22 / 16013401-001 Vinyl Composition Tile (VCT) Shipping Office Floor	Brown Non-Fibrous Homogeneous		98% Other	2% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
22A / 16013401-002 Material Mastic, Shipping Office Floor				Insufficient

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
23 / 16013401-003 Wallboard - Room 102, A-39	White Non-Fibrous Homogeneous	2% Glass < 1% Cellulose	98% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
23A / 16013401-004 Joint Compound - Room 102, A-39	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
23B / 16013401-005 Texture - Room 102, A-39	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
24 / 16013401-006 Window Putty - Exterior Windows	Brown Non-Fibrous Homogeneous		100% Other	None Detected

Certification

Analyst:

Approved Signatory:

Analysis Date: 4/22/2016

Date: 4/22/2016

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

SanAir ID Number

16013401

FINAL REPORT

Name: Northwest Abatement Services, Inc.
Address: P.O. Box 39220
Lakewood, WA 98496

Project Number: SR16-2639
P.O. Number: SR16-2639
Project Name: Clover Park Technical College, Building 22

Collected Date: 4/18/2016
Received Date: 4/21/2016 10:40:00 AM
Report Date: 4/22/2016 1:56:00 PM
Analyst: Rutter, Amber

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
25 / 16013401-007 Vinyl Composition Tile (VCT) - A-5 Floor	Tan Non-Fibrous Homogeneous		96% Other	4% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
25A / 16013401-008 Mastic - A-5 Floor	Black Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
26 / 16013401-009 Sheet Vinyl - A-5 Entry Floor	Various Non-Fibrous Homogeneous	10% Cellulose 5% Glass	85% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
26A / 16013401-010 Glue - A-5 Entry Floor	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
27 / 16013401-011 TSI Pipe Wrap - Pipes In A-5	Off-White Non-Fibrous Heterogeneous	10% Cellulose	60% Other	20% Chrysotile 10% Amosite

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
28 / 16013401-012 TSI Pipe Elbow - Pipes On A-5	Off-White Fibrous Heterogeneous	35% Cellulose	10% Other	55% Chrysotile

Certification

Analyst: Approved Signatory:

Analysis Date: 4/22/2016 Date: 4/22/2016

Disclaimer

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For NY state samples, method EPA 600/M4-82-020 is performed.

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

NY ELAP lab ID 11983

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Fax 804-897-0070
www.sanair.com

Asbestos Chain of Custody

SanAir ID Number 1601340 1

Company: Northwest Abatement Services, Inc.	Project #: SR16-2639	Collected by: Paul Peters
Address: P.O. Box 39220	Project Name: Clover Park Technical College, Building 22	Phone #: 253-588-0440
City, St., Zip: Lakewood, WA 98496	Date Collected: 04/18/2016	Fax #: 253-583-0277
State of Collection: WA Account#: 1587	P.O. Number: SR16-2639	Email: paul@nwabatement.com

Bulk

ABB	PLM EPA 600/R-93/116	☑
	Positive Stop	☐
ABEPA	PLM EPA 400 Point Count	☐
ABB1K	PLM EPA 1000 Point Count	☐
ABBEN	PLM EPA NOB	☐
ABBCH	TEM Chatfield	☐
ABBTM	TEM EPA NOB	☐

Water

ABHE	EPA 100.2	☐

Air

ABA	PCM NIOSH 7400	☐
ABA-2	OSHA w/ TWA*	☐
ABTEM	TEM AHERA	☐
ABATN	TEM NIOSH 7402	☐
ABT2	TEM Level II	☐

New York ELAP

PLM NY	PLM EPA 600/M4-82-020	☐
ABEPA2	NY ELAP 198.1	☐
ABENY	NY ELAP 198.6 PLM NOB	☐
ABBNY	NY ELAP 198.4 TEM NOB	☐

Soil/Vermiculite

ABSE	PLM EPA 600/R-93/116 (Qual.)	☐
ABSP	PLM CARB 435 (LOD <1%)	☐
ABSP1	PLM CARB 435 (LOD 0.25%)	☐
ABSP2	PLM CARB 435 (LOD 0.1%)	☐

Dust

ABWA	TEM Wipe ASTM D-6480	☐
ABDMV	TEM Microvac ASTM D-5755	☐

Matrix	Other	
		☐

Turn Around Times				
	3 HR (4 HR TEM) ☐	6 HR (8HR TEM) ☐	12 HR ☐	24 HR ■
	2 Days ☐	3 Days ☐	4 Days ☐	5 Days ☐

Special Instructions Total Samples: (12)

Sample #	Sample Identification/Location	Volume or Area	Sample Type	Flow Rate*	Time* Start – Stop	
22	Vinyl Composition Tile (VCT) Shiiping Office Floor	Approx. 288SF	ABB			
22A	Mastic, Shipping Office Floor	Approx. 288SF	ABB			
23	Wallboard - Room 102, A-39	Throughout	ABB			
23A	Joint Compound - Room 102, A-39	Throughout	ABB			
23B	Texture - Room 102, A-39	Throughout	ABB			
24	Window Putty - Exterior Windows	Throughout	ABB			
25	Vinyl Composition Tile (VCT) - A-5 Floor	Approx. 1,140SF	ABB			
25A	Mastic - A-5 Floor	Approx. 1,140SF	ABB			
26	Sheet Vinyl - A-5 Entry Floor	Approx. 25SF	ABB			
26A	Glue - A-5 Entry Floor	Approx. 25SF	ABB			
27	TSI Pipe Wrap - Pipes in A-5	Throughout	ABB			
28	TSI Pipe Elbow - Pipes on A-5	Throughout	ABB			

Relinquished by	Date	Time	Received by	Date	Time
			MC	APR 21 2016	10:49AM

Unless scheduled, the turn around time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time. Work with standard turn around time sent Priority Overnight and Billed to Recipient will be charged a $10 shipping fee.

SanAir Technologies Laboratory

Analysis Report

prepared for

Northwest Abatement Services, Inc.

Report Date: 4/22/2016
Project Name: Clover Park Technical College, Building 22
Project #: SR16-2639
SanAir ID#: 16013402

NVLAP LAB CODE 200870-0

Virginia SBE Certification # 652931

Texas Licensed Mold Analysis Laboratory License # LAB0166

SanAir Technologies Laboratory

804.897.1177 www.sanair.com

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

Northwest Abatement Services, Inc.
P.O. Box 39220
Lakewood, WA 98496

April 22, 2016

SanAir ID # 16013402
Project Name: Clover Park Technical College, Building 22
Project Number: SR16-2639

Dear Paul Peters,

We at SanAir would like to thank you for the work you recently submitted. The 7 sample(s) were received on Thursday, April 21, 2016 via FedEx. The final report(s) is enclosed for the following sample(s): 35, 36, 37, 38, 39, 40, 41.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:
7 sample(s) in Good condition

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

SanAir ID Number

16013402

FINAL REPORT

Name: Northwest Abatement Services, Inc.
Address: P.O. Box 39220
Lakewood, WA 98496

Project Number: SR16-2639
P.O. Number: SR16-2639
Project Name: Clover Park Technical College, Building 22

Collected Date: 4/19/2016
Received Date: 4/21/2016 10:40:00 AM
Report Date: 4/22/2016 3:20:59 PM
Analyst: Rutter, Amber

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
35 / 16013402-001 Boiler Insulation - Boiler Room	Tan Non-Fibrous Heterogeneous		80% Other	20% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
36 / 16013402-002 TSI Elbow - Boiler Room	White Fibrous Heterogeneous	20% Glass 10% Cellulose 5% Min. Wool	53% Other	10% Chrysotile 2% Amosite

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
37 / 16013402-003 TSI Pipe Wrap - CPSD Warehouse	Grey Fibrous Heterogeneous	70% Cellulose	10% Other	20% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
38 / 16013402-004 TSI Elbow - CPSD Warehouse	Off-White Fibrous Heterogeneous	10% Cellulose	55% Other	25% Chrysotile 10% Amosite

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
39 / 16013402-005 Torch Down Roofing, 4 Layers - Exterior Roof, Roofing	Black Non-Fibrous Heterogeneous	15% Cellulose	85% Other	< 1% Chrysotile
39 / 16013402-005 Torch Down Roofing, 4 Layers - Exterior Roof, Tar Paper	Black Non-Fibrous Heterogeneous	30% Cellulose	50% Other	20% Chrysotile
39 / 16013402-005 Torch Down Roofing, 4 Layers - Exterior Roof, Roofing	Black Non-Fibrous Heterogeneous	10% Glass	88% Other	2% Chrysotile
39 / 16013402-005 Torch Down Roofing, 4 Layers - Exterior Roof, Roofing	Black Non-Fibrous Heterogeneous	20% Glass	80% Other	None Detected

Certification

Analyst: Approved Signatory:

Analysis Date: 4/22/2016 Date: 4/22/2016

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

SanAir ID Number

16013402

FINAL REPORT

Name: Northwest Abatement Services, Inc.
Address: P.O. Box 39220
Lakewood, WA 98496

Project Number: SR16-2639
P.O. Number: SR16-2639
Project Name: Clover Park Technical College, Building 22

Collected Date: 4/19/2016
Received Date: 4/21/2016 10:40:00 AM
Report Date: 4/22/2016 3:20:59 PM
Analyst: Rutter, Amber

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
40 / 16013402-006 Torch Down Roofing, 1 Layers - Exterior Roof	White Non-Fibrous Heterogeneous	20% Cellulose	80% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	Components % Non-Fibrous	Asbestos Fibers
41 / 16013402-007 Torch Down Roofing, East Side, Shingle	White Non-Fibrous Heterogeneous	10% Glass	90% Other	None Detected
41 / 16013402-007 Torch Down Roofing, East Side, Tar	Black Non-Fibrous Homogeneous		100% Other	None Detected
41 / 16013402-007 Torch Down Roofing, East Side, Felt	Black Fibrous Heterogeneous	60% Glass	40% Other	None Detected

Certification

Analyst: Approved Signatory:

Analysis Date: 4/22/2016 Date: 4/22/2016

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For NY state samples, method EPA 600/M4-82-020 is performed.

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

NY ELAP lab ID 11983

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Powhatan, VA 23139
804-897-1177 / 888-895-1177
Fax 804-897-0070
www.sanair.com

Asbestos Chain of Custody

SanAir ID Number 16013402

Company: Northwest Abatement Services, Inc.	Project #: SR16-2639	Collected by: Paul Peters
Address: P.O. Box 39220	Project Name: Clover Park Technical College, Building 22	Phone #: 253-588-0440
City, St., Zip: Lakewood, WA 98496	Date Collected: 04/19/2016	Fax #: 253-583-0277
State of Collection: WA Account#: 1587	P.O. Number: SR16-2639	Email: paul@nwabatement.com

Bulk

ABB	PLM EPA 600/R-93/116	☑
	Positive Stop ☐	
ABEPA	PLM EPA 400 Point Count	☐
ABB1K	PLM EPA 1000 Point Count	☐
ABBEN	PLM EPA NOB	☐
ABBCH	TEM Chatfield	☐
ABBTM	TEM EPA NOB	☐

Water

ABHE	EPA 100.2	☐

Air

ABA	PCM NIOSH 7400	☐
ABA-2	OSHA w/ TWA*	☐
ABTEM	TEM AHERA	☐
ABATN	TEM NIOSH 7402	☐
ABT2	TEM Level II	☐

New York ELAP

PLM NY	PLM EPA 600/M4-82-020	☐
ABEPA2	NY ELAP 198.1	☐
ABENY	NY ELAP 198.6 PLM NOB	☐
ABBNY	NY ELAP 198.4 TEM NOB	☐

Soil/Vermiculite

ABSE	PLM EPA 600/R-93/116 (Qual.)	☐
ABSP	PLM CARB 435 (LOD <1%)	☐
ABSP1	PLM CARB 435 (LOD 0.25%)	☐
ABSP2	PLM CARB 435 (LOD 0.1%)	☐

Dust

ABWA	TEM Wipe ASTM D-6480	☐
ABDMV	TEM Microvac ASTM D-5755	☐

Matrix	Other	
		☐

Turn Around Times				
	3 HR (4 HR TEM) ☐	6 HR (8HR TEM) ☐	12 HR ☐	24 HR ■
	2 Days ☐	3 Days ☐	4 Days ☐	5 Days ☐

Special Instructions Total Samples: (7)

Sample #	Sample Identification/Location	Volume or Area	Sample Type	Flow Rate*	Time* Start – Stop	
35	Boiler Insulation - Boiler Room	Throughout	ABB			
36	TSI Elbow - Boiler Room	Throughout	ABB			
37	TSI Pipe Wrap - CPSD Warehouse	Throughout	ABB			
38	TSI Elbow - CPSD Warehouse	Throughout	ABB			
39	Torch Down Roofing, 4 Layers - Exterior Roof	Throughout	ABB			
40	Torch Down Roofing, 1 Layer - Exterior Roof	Throughout	ABB			
41	Torch Down Roofing, East SIde	Throughout	ABB			

Relinquished by	Date	Time	Received by	Date	Time
			MC	APR 21 2016	10:40AM

Unless scheduled, the turn around time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time. Work with standard turn around time sent Priority Overnight and Billed to Recipient will be charged a $10 shipping fee.

SanAir Technologies Laboratory

Analysis Report

prepared for

Northwest Abatement Services, Inc.

Report Date: 4/25/2016
Project Name: Clover Park Technical College, Building 22
Project #: SR16-2639
SanAir ID#: 16013449

NVLAP LAB CODE 200870-0

AIHA LAP, LLC ACCREDITED LABORATORY
ENVIRONMENTAL LEAD
ENVIRONMENTAL MICROBIOLOGY
ISO/IEC 17025:2005
LAB # 162952

Virginia SBE
Certification # 652931

Texas Licensed Mold Analysis Laboratory
License # LAB0166

SanAir Technologies Laboratory

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

Northwest Abatement Services, Inc.
P.O. Box 39220
Lakewood, WA 98496

April 25, 2016

SanAir ID # 16013449
Project Name: Clover Park Technical College, Building 22
Project Number: SR16-2639

Dear Paul Peters,

We at SanAir would like to thank you for the work you recently submitted. The 3 sample(s) were received on Thursday, April 21, 2016 via FedEx. The final report(s) is enclosed for the following sample(s): 29, 30, 31.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

L. Claire Macdonald
Microbiology Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:
3 sample(s) in Good condition

Form 70, Revision 4, 5/2/2013

SanAir Technologies Laboratory
1551 Oakbridge Drive, Suite B - Powhatan, VA 23139
804-897-1177 / 888-895-1177 / Fax 804-897-0070
www.sanair.com

Metals & Lead Chain of Custody

SanAir ID Number 16013449

Company: Northwest Abatement Services, Inc.	Project #: SR16-2639	Phone #: 253-588-0440
Address: P.O. Box 39220	Project Name: Clover Park Technical College, Building 22	Phone #: 253-588-0440
City, St., Zip: Lakewood, WA 98496	Date Collected: 04/19/2016	Fax #: 253-583-0277
Samples Collected By: Paul Peters	P.O. Number: SR16-2639	Email: paul@nwabatement.com

Matrix Types

☐ Air	☐ Aqueous	☐ Bulk
☐ Paint	☐ Sludge	☐ Soil
☐ Dust	☐ Wipe	☐ Potable Water
☐ Non-Potable Water	☐ Wastewater	
☐ Other:		

Metals Analysis Types

☐ Total Concentration of Lead	■ ICP-total concentration of metals (please list metals): Arsenic
☐ Total Concentration of RCRA 8 Metals	
☐ TCLP for Lead	
☐ TCLP for RCRA 8 Metals	☐ Other:
☐ TCLP Full (w/ Organics)	

*Turn Around Times	Same Day ☐	1 Day ☐	2 days ☐	3 Days ■
	☐ Standard (5 day)	☐ Full TCLP (10d)		

***Courier charge for same day and 1 day TAT for offsite work.**

Sample #	Sample Identification/Location	Flow Rate	Start Time	Stop Time	Volume (L) or Area (Sq ft)
29	Masonry - Exterior Wall, NW Side				Throughout
30	Masonry - Interior Wall, A-42				Throughout
31	Masonry - South Side/Cener Wall A-42				Throughout

Special Instructions	Total Samples: (3)

Relinquished by	Date	Time	Received by	Date	Time
			MC	APR 21 2016	10:40AM

Unless scheduled, the turn around time for all samples received after 3 pm will begin at 8 am the next business morning.
Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time.
Work with standard turn around time sent Priority Overnight and Billed To Recipient will be charged a $10 shipping fee.

SanAir Technologies Laboratory, Inc.

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804.897.1177 Toll Free 888.895.1177 Fax: 804.897.0070
www.sanair.com email:iaq@sanair.com

SanAir ID Number
16013449
Final Report

Northwest Abatement Services, Inc.
P.O. Box 39220
Lakewood, WA 98496

SR16-2639
SR16-2639
Clover Park Technical College, Building 22
4/19/2016
4/21/2016 10:40 AM
4/24/2016 1:30 PM
Doug Peery

Test Method: SW846/3050B/6010C

29	Arsenic (As)	Masonry-Exterior Wall, NW Side	20.5	18.5
30	Arsenic (As)	Masonry-Interior Wall, A-42	21.6	17.3
31	Arsenic (As)	Masonry-South Side/Center Wall, A-42	21.9	17.1

RL based upon 2.5ug weight in sample

SanAir Technologies Laboratory, Inc participates in the AIHA ELPAT for environmental Lead. AIHA Lab Id: 162952

Certification

Signature: Doug Peery
Date: 4/25/2016

Reviewed: Jennifer Jane Mabee
Date: 4/25/2016

Results relate only to the items tested
Results are not corrected for blanks
All quality control results are acceptable and supported by analysis specific QA/QC
SanAir Technologies Laboratory, Inc is not responsible for sample collection or interpretation made by others.
This report does not constitute endorsement by AIHA/NVLAP and/or any other U.S. governmental Agencies; and may not be certified by every local, state, or federal regulatory agencies.

ea s re imi s

ir

1.5 µg/m^3	EPA National Ambient Air Quality Standard (Quality Time – Weight Average)
30 µg/m^3	OSHA Action Level (8-hour time weighted average)
50 µg/m^3	OSHA Permissible Exposure Limit (General Industry)
50 µg/m^3	OSHA Permissible Exposure Limit (Construction)

D s

40 µg/ft^2	HUD Clearance Level for Floors
250 µg/ft^2	HUD Clearance Level for Interior Window Sills
400 µg/ft^2	HUD Clearance Level for Window Troughs

a er

15 ppb (µg/liter)	EPA Maximum Containment Level

ai

0.5% by weight	HUD definition of lead based paint
1.0 mg/cm^2	
5000 ppm	

il

400 ppm	HUD-Play areas and high-contact areas for children

Revision date: 10/23/2012

SanAir Technologies Laboratory

Analysis Report

prepared for

Northwest Abatement Services, Inc.

Report Date: 4/26/2016
Project Name: Clover Park Technical College
Project #: SR16-2639
SanAir ID#: 16013448

NVLAP LAB CODE 200870-0

AIHA LAP, LLC ACCREDITED LABORATORY ENVIRONMENTAL LEAD ENVIRONMENTAL MICROBIOLOGY ISO/IEC 17025:2005 LAB # 162952

Virginia SBE Certification # 652931

Texas Licensed Mold Analysis Laboratory License # LAB0166

SanAir Technologies Laboratory

804.897.1177 www.sanair.com

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Web: http://www.sanair.com E-mail: iaq@sanair.com

Northwest Abatement Services, Inc.
P.O. Box 39220
Lakewood, WA 98496

April 26, 2016

SanAir ID # 16013448
Project Name: Clover Park Technical College
Project Number: SR16-2639

Dear Paul Peters,

We at SanAir would like to thank you for the work you recently submitted. The 3 sample(s) were received on Thursday, April 21, 2016 via FedEx. The final report(s) is enclosed for the following sample(s): 32, 33, 34.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:
3 sample(s) in Good condition

SanAir Technologies Laboratory, Inc.

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804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

SanAir ID Number

16013448

FINAL REPORT

Name: Northwest Abatement Services, Inc.
Address: P.O. Box 39220
Lakewood, WA 98496

Project Number: SR16-2639
P.O. Number: SR16-2639
Project Name: Clover Park Technical College

Collected Date: 4/19/2016
Received Date: 4/21/2016 10:40:00 AM
Report Date: 4/26/2016 2:20:08 PM
Analyst: McGee, Jennifer

Lead Bulk Analysis

Test Method: SW846/3050B/7000B

Sample	Description	µg Pb in Sample	Sample Size (grams)	Calculated RL	Sample Result	Sample Result
16013448-001	32 / Paint (Dark Green) Exterior Access Doors	26983	0.1079	92.7	250073.7 µg/g (ppm)	25.0074 % By Weight

Test Method: SW846/3050B/7000B

Sample	Description	µg Pb in Sample	Sample Size (grams)	Calculated RL	Sample Result	Sample Result
16013448-002	33 / Paint (Light Brown) Exterior Base	42	0.1067	93.7	397.7 µg/g (ppm)	0.0398 % By Weight

Test Method: SW846/3050B/7000B

Sample	Description	µg Pb in Sample	Sample Size (grams)	Calculated RL	Sample Result	Sample Result
16013448-003	34 / Paint (Brown) Exterior Trim	11	0.1134	88.2	98.1 µg/g (ppm)	0.0098 % By Weight

Minimum Quantitative Limit < 0.0100%
SanAir Technologies Laboratory, Inc participates in the AIHA ELPAT for environmental Lead.
AIHA Lab Id: 162952

Certification

Signature: Jennifer Lane McGee Reviewed: Doug Pacey

Date: 4/22/2016 Date: 4/22/2016

SanAir Technologies Laboratory, Inc.

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804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

SanAir ID Number

16013448

FINAL REPORT

Name: Northwest Abatement Services, Inc.
Address: P.O. Box 39220
Lakewood, WA 98496

Project Number: SR16-2639
P.O. Number: SR16-2639
Project Name: Clover Park Technical College

Collected Date: 4/19/2016
Received Date: 4/21/2016 10:40:00 AM
Report Date: 4/26/2016 2:20:08 PM
Peery, Doug

ORGANISM DESCRIPTIONS

The descriptions of the organisms presented are derived from various reference materials. The laboratory report is based on the data derived from the samples submitted and no interpretation of the data, as to potential, or actual, health effects resulting from exposure to the numbers of organisms found, can be made by laboratory personnel. Any interpretation of the potential health effects of the presence of this organism must be made by qualified professional personnel with first hand knowledge of the sample site, and the problems associated with that site.

Disclaimer

- Results relate only to the items tested
- Results are not corrected for blanks
- All quality control results are acceptable unless otherwise noted
- SanAir Technologies Laboratory, Inc is not responsible for sample collection or interpretation made by others
- This report does not constitute endorsement by AIHA/NVLAP and/or any other U.S. governmental Agencies; and may not be certified by every local, state or federal regulatory agencies

Lead Exposure Limits

Air

1.5 µg/m^3	EPA National Ambient Air Quality Standard (Quality Time – Weight Average)
30 µg/m^3	OSHA Action Level (8-hour time weighted average)
50 µg/m^3	OSHA Permissible Exposure Limit (General Industry)
50 µg/m^3	OSHA Permissible Exposure Limit (Construction)

Dust

40 µg/ft^2	HUD Clearance Level for Floors
250 µg/ft^2	HUD Clearance Level for Interior Window Sills
400 µg/ft^2	HUD Clearance Level for Window Troughs

Water

15 ppb (µg/liter)	EPA Maximum Containment Level

Paint

0.5% by weight	HUD definition of lead based paint
1.0 mg/cm^2	
5000 ppm	

Soil

400 ppm	HUD-Play areas and high-contact areas for children

Hazardous Waste

5 ppm	Analyzed as “leachable” using Toxicity Characteristic Leachate Procedure (TCLP)

Form 70, Revision 4, 5/2/2013

SanAir Technologies Laboratory
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804-897-1177 / 888-895-1177 / Fax 804-897-0070
www.sanair.com

Metals & Lead Chain of Custody

SanAir ID Number: 1601348

Company: Northwest Abatement Services, Inc.	Project #: SR16-2639	Phone #: 253-588-0440
Address: P.O. Box 39220	Project Name: Clover Park Technical College	Phone #: 253-588-0440
City, St., Zip: Lakewood, WA 98496	Date Collected: 04/19/2016	Fax #: 253-583-0277
Samples Collected By: Paul Peters	P.O. Number: SR16-2639	Email: paul@nwabatement.com

Matrix Types

☐ Air ☐ Aqueous ■ Bulk		
☐ Paint ☐ Sludge ☐ Soil		
☐ Dust ☐ Wipe ☐ Potable Water		
☐ Non-Potable Water ☐ Wastewater		
☐ Other:		

Metals Analysis Types

■ Total Concentration of Lead		☐ ICP-total concentration of metals (please list metals):
☐ Total Concentration of RCRA 8 Metals		
☐ TCLP for Lead		
☐ TCLP for RCRA 8 Metals		☐ Other:
☐ TCLP Full (w/ Organics)		

*Turn Around Times	Same Day ☐	1 Day ☐	2 days ☐	3 Days ■
	☐ Standard (5 day)	☐ Full TCLP (10d)		

*Courier charge for same day and 1 day TAT for offsite work.

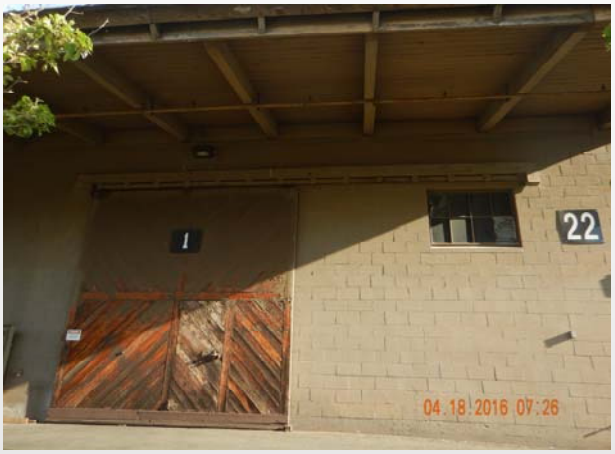
Sample #	Sample Identification/Location	Flow Rate	Start Time	Stop Time	Volume (L) or Area (Sq ft)
32	Paint (Dark Green) Exterior Access Doors				Exterior
33	Paint (Light Brown) Exterior Base				Exterior
34	Paint (Brown) Exterior Trim				Exterior

Special Instructions	Total Samples: (3)

Relinquished by	Date	Time	Received by	Date	Time
			MC	APR 21 2016	10:40AM

Unless scheduled, the turn around time for all samples received after 3 pm will begin at 8 am the next business morning.
Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time.
Work with standard turn around time sent Priority Overnight and Billed To Recipient will be charged a $10 shipping fee.

SECTION 3 | Photographs



SURVEY PHOTOS

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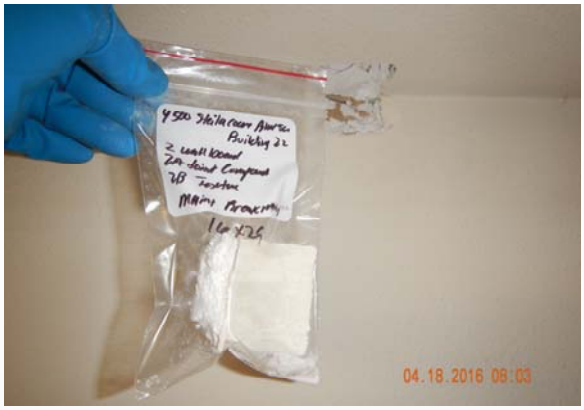

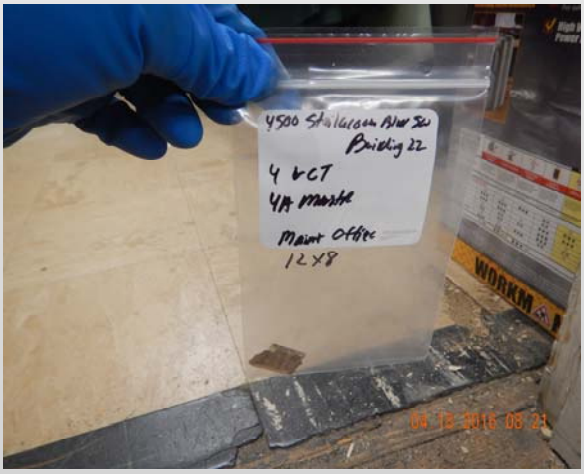

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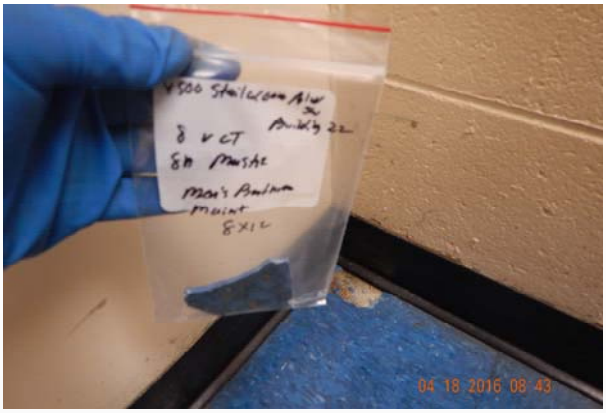

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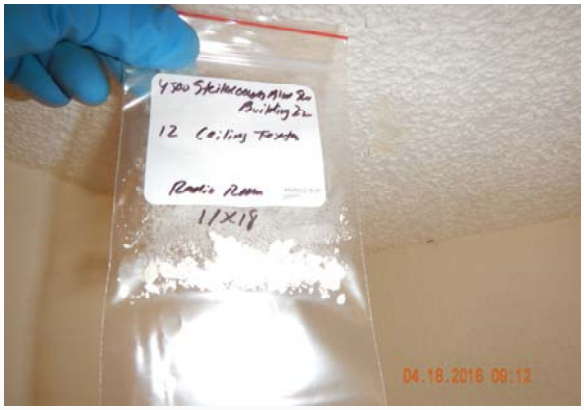

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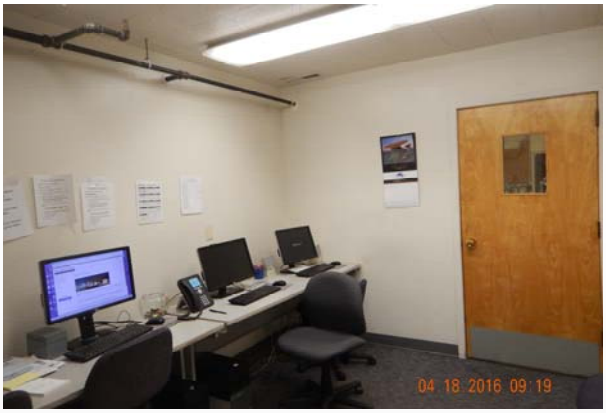

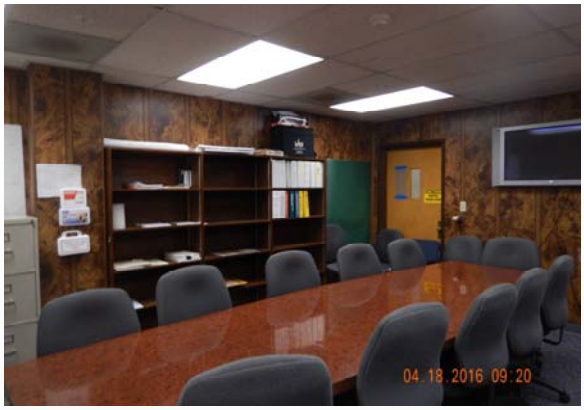

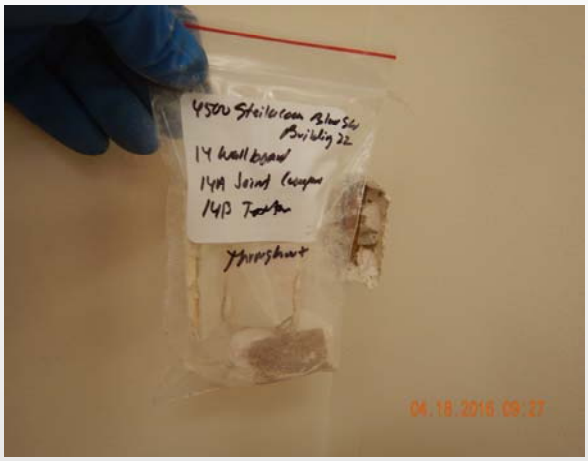

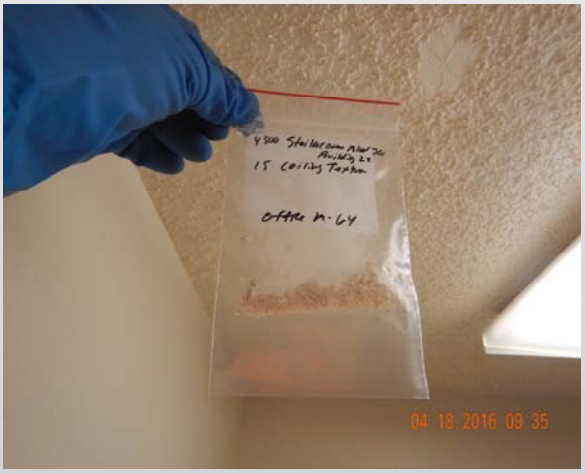

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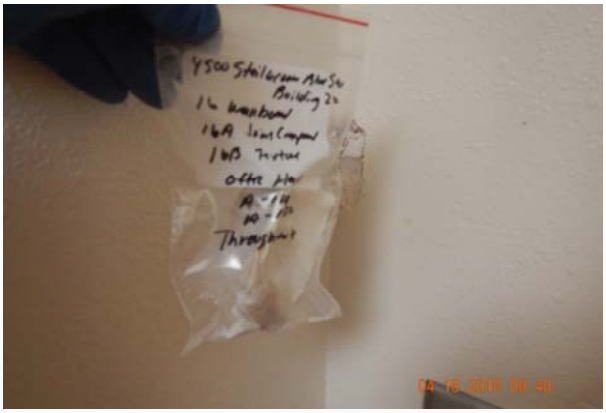

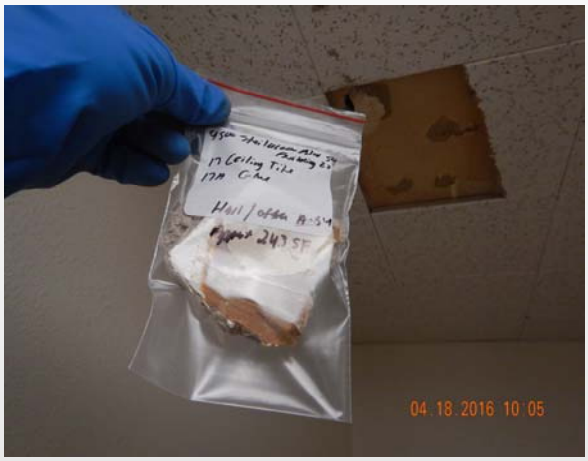

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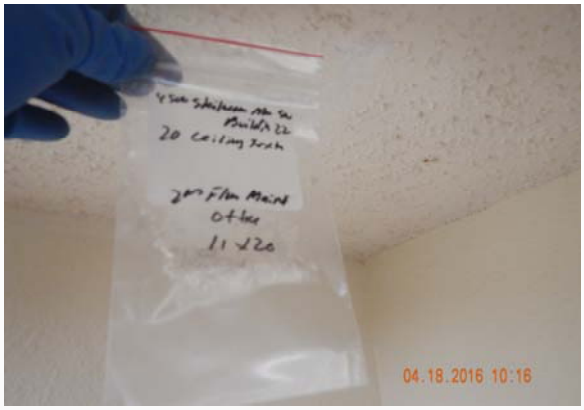

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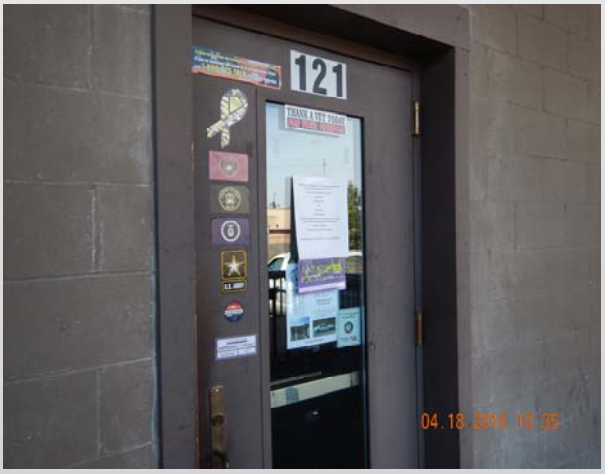

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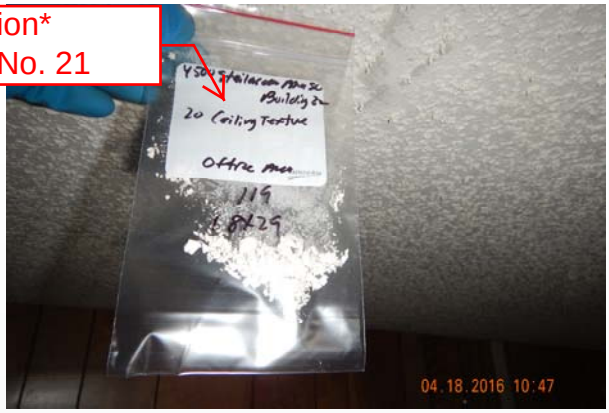
Correction
Sample No. 21



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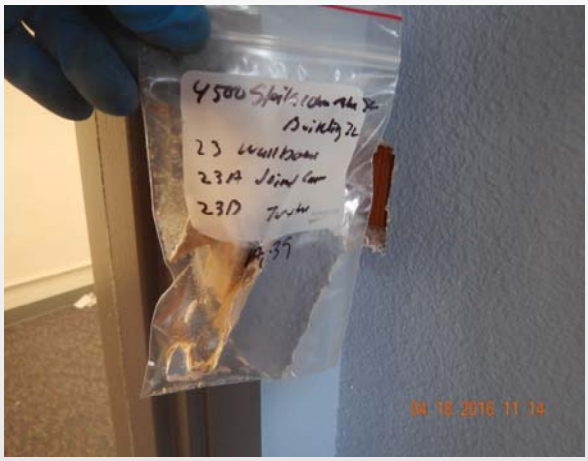

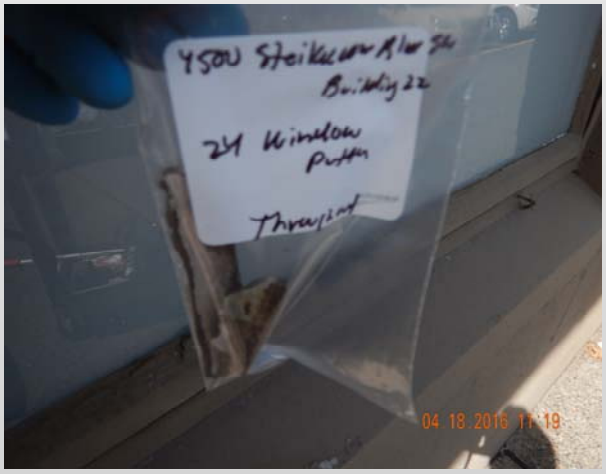

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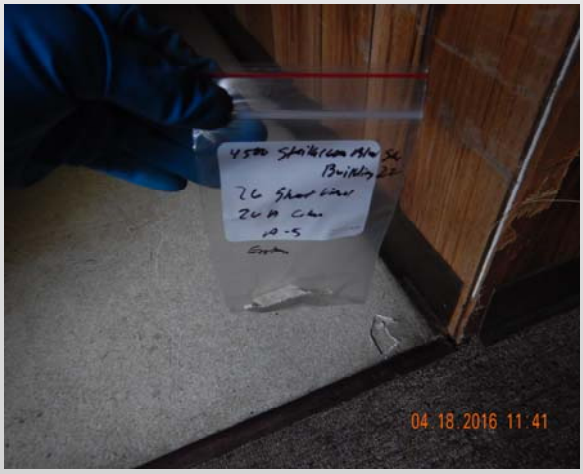

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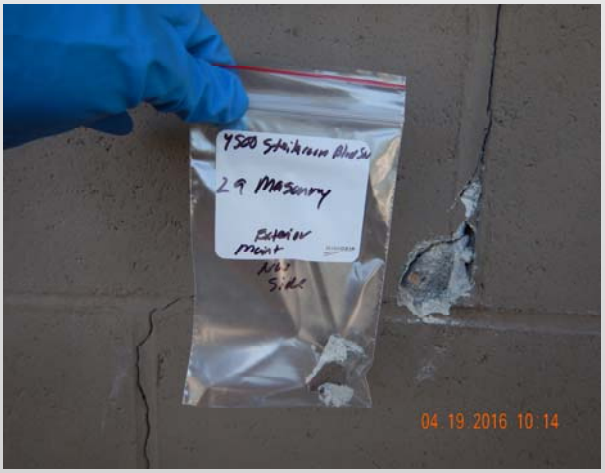

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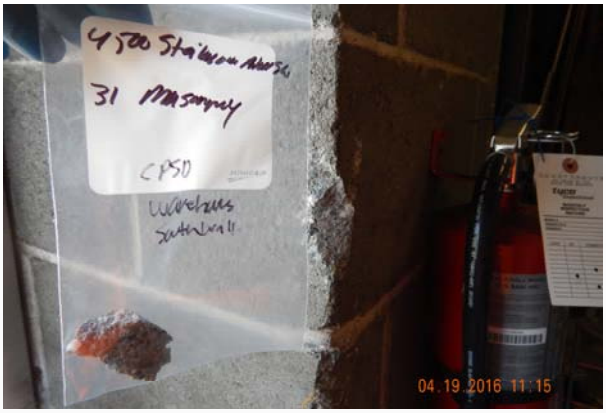

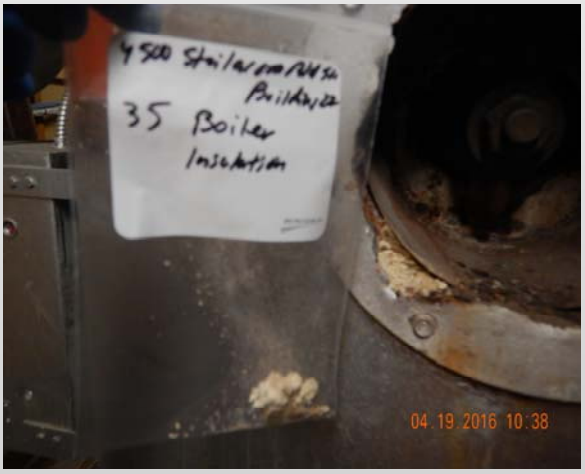

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SURVEY PHOTOS

4500 Steilacoom Blvd. SW, Building 22

SECTION 4 | AHERA Certification

AHERA

BUILDING INSPECTOR REFRESHER CERTIFICATE

This is to certify that

Paul Peters

has attended and satisfactorily completed all requirements to maintain accreditation as an AHERA Building Inspector in accordance with the Toxic Substance Control Act Title (Section 206) and 40 CFR 763.

Accreditation No. BI/R-NES-01-06-16-02

Course Date: January 6, 2016
Valid through: January 6, 2017

Donna McNeal

NOW Environmental Services, Inc.
34004 – 9th Avenue South, Suite # 12
Federal Way, Washington 98003
(253) 927-5233