

# Alternative Technologies LLC

Environmental Solutions for Real Estate

www.alternative-technologies.com

May 1, 2013

Michael Johnson  
Parks & Facilities Supervisor  
**City of Snohomish**  
116 Union Avenue,  
Snohomish, WA 98290

**Re. Asbestos Good Faith Inspection - AET Project No. 2968**  
Hal Moe Pool, 403 Third Street, Snohomish, WA 98290-2571

Dear Mr. Johnson,

**Executive Summary:** Alternative Environmental Technologies (AET) conducted an asbestos good faith inspection of the subject site from April 4 through May 1, 2013. Mr. Mike Johnson arranged for access with Snohomish School District representatives. An AHERA Certified Asbestos Building Inspector, Brian Hunt, took a total of 42 bulk samples of suspect asbestos containing material. In addition, a total of 14 lead samples were taken and an estimate was made of fluorescent light fixtures and their components. The results of these preliminary surveys conducted as part of the Phase 1 Environmental Site Assessment were as follows:

1. **Asbestos:** Ten of forty-two bulk samples were reported by the laboratory to contain asbestos. One sample was cement asbestos board above the main entrance. Nine were roofing samples; seven of which had Silver Paint on non-asbestos roofing material mostly on the NW flat roof. One was fibrous asphaltic patching material on the north central roof (Sample #9) and 18" square patches (Sample # 38) around 3 drains on the north side of the NW flat roof. One was liquid black patching material, on the south parapet of the NE roof. This patching material was observed used to repair roof leaks in several areas of the flat roof and parapets. All samples can be found listed in Table 1.
2. **Lead:** Thirteen bulk paint chip samples were taken from the roof, exterior and interior of the Hal Moe Pool. One sample was taken of the metal sheath around a roof vent pipe (3L) on the NW flat roof. Of the 13 bulk paint chip samples, all were below analytical reporting limit. The vent pipe sheath was made of metallic lead. The results can be found in Table 2.
3. **Light Fixture Components & Area Estimates:** Seventy four hanging fluorescent light fixtures were counted and the following components estimated: In all, including tubes stored in boxes, approximately 200 light tubes and 88 ballasts were estimated that might contain mercury and polychlorinated biphenyls, respectively. A total of 30 metal halide lamps were estimated in the Natatorium. The exact numbers and potential hazardous materials can be documented following recommended recycling.

**Site & Building Description:** The subject site consists of a 20,774 square foot commercial building built in 1970 and remodeled in 1989 enclosing the pool presently located on the 48,954 SF site. The subject site is located on the SW corner of 3<sup>rd</sup> Street and Pine Avenue, in Snohomish Washington. The property to the north are residential, to the east are commercial, to the south is the Boys and Girls Club and to the west is a green belt where the abandoned Burlington Northern Railroad tracks formerly resided.

**Regulatory Overview:** Asbestos: The Puget Sound Clean Air Agency, Regulation III, Article 4.02(a) requires an asbestos survey, before renovation or demolition, by an Accredited Building Inspector using random sampling procedures contained in 40 CFR 763.86. In addition, the owner, or owner's representative, is required to keep a copy of the Good Faith Inspection or a summary document at the job site for any contractor's doing work in the building (WAC 296-62-07721(b), WAC 296-155-755(9)).

## Background Information

Date(s) of Field Investigation: April 4, 10,25 & May 1, 2013

Date of Report Submittal: May 6, 2013

Building address: 403 Third Street, Snohomish, WA 98290

Building Owner's Representative: Kraig Rosencrantz

Area Surveyed: Roof, Exterior, Bath House, Pool Enclosure and Pools

Building Status: Vacant

## Building Description

Owner: Snohomish School District 201, 301 Union Avenue, Snohomish, 98290  
Taxpayer: Snohomish School District, 201, 1601 Avenue D, Snohomish, WA 98290  
Taxpayer Information: Government Property  
Tax ID: 47570010070008  
Parcel: 00475700100700  
Use Code: 741 Sport Activities  
Description: Government Property  
Year Built: 1970, Pool Enclosure 1989

## Building Inspector Information

Name: Brian Hunt, Project Manager  
AHERA Certified: Building Inspector  
Certification Number: 138689, Exp. 9/12/13  
Business: Alternative Environmental Technologies, AET  
5129 Evergreen Way D9, Everett, WA 98203

## Asbestos Sampling & Analysis:

Photographs & Drawings: Relevant site photographs show each positive sample location and all samples are identified in Table 1 & 2 and the sample location drawings.

Asbestos Sampling & Analytical Summary: Brian Hunt, AET Project Manager, took a total of 42 samples of suspect asbestos containing materials and 10 were reported to contain asbestos. Asbestos Containing Material (ACM) contains at least 1% asbestos. The asbestos results are located in Table 1: Asbestos Sampling & Analysis. The table includes test results and location of materials sampled and analyzed.

All asbestos samples were collected using modified Asbestos Hazard Emergency Response Act (AHERA) and EPA sampling methods and all bulk samples were taken to the Seattle Asbestos Test (SAT) laboratory under strict Chain of Custody procedures generally for analysis on a 1 or 5-day turnaround. AET personnel are AHERA certified building inspectors, management planners and project designers. The analysts at Seattle Asbestos Test used Polarized Light Microscopic methods to analyze the bulk samples for asbestos (Method EPA/600/R-93/116) and the laboratory is part of the National Volunteer Laboratory Accreditation Program (NVLAP accreditation 200768).

The samples reported to contain asbestos included the following: cement asbestos board, liquid and fibrous patches over non-asbestos roofing material, and silver roofing paint.

PACM: Presumed Asbestos Containing Material (PACM) for this building is related to possible hidden material that was reported positive from accessible sample locations during this survey, materials that are typically found to contain asbestos in other similar buildings, and reported asbestos from architectural drawings. The PACM included here was cement asbestos board, vermiculite (in CMU Blocks) and any hard fittings in ceilings space and walls (although the observed accessible fittings appeared to be abated). Occasionally, pipe flange gaskets also contain asbestos. Gaskets sampled and tested did not contain asbestos.

Lead Sampling & Analysis: Brian Hunt, AET Project Manager, took a total of 13 paint chip samples and one rooftop vent pipe, metal sheath, for lead analysis. The American Industrial Hygiene Association and Washington State Department of Ecology accredit NVL Laboratories for lead analysis. The EPA Methods used for paint chips was 7000B. The EPA standard for lead based paint is 0.5%. In Washington State any level of lead is regulated and EPA lead safe work practices are required. All paint chip samples were reported below the Reporting Limit (RL) and the metallic sheath contained 3.7 % lead.

Notifications: The owner is required to notify anyone working in the building, including all contractors, that there is an asbestos survey for the commercial buildings on this site. This report must be kept at the site and available for viewing upon request, and/or the owner may communicate verbally and in writing a summary of the survey findings.

**Discussion & Opinion:** Additional information is provided below to clarify terms and items identified in this survey. Based on this inspection asbestos containing materials were found at the site.

1. **Health Risk:** Asbestos is a known carcinogen that is highly regulated. Certified workers and licensed asbestos contractors are required if the materials are to be disturbed during maintenance, remodel or demolition. Lead containing material is also a potential health hazard, regulated and worker protection is required. No lead paint was identified in this survey. However, for the Bath House built in 1970, lead paint is suspected and EPA lead safe work practices are recommended for worker protection.
2. **PSCAA Notification:** The Puget Sound Clean Air Agency (PSCAA, Regulation III, and Article 4) requires notification for demolition, for asbestos as well as dust control measures for building demolition. Questions regarding PSCAA requirements should be directed to the asbestos staff at 800.552.3565, or for a notification form and regulations go online at [www.pscleanair.org](http://www.pscleanair.org). Notification can be completed and fees paid for online.
3. **LNI Notification:** For interpretation of policy and the Department of Labor & Industry regulations (go to [www.lni.wa.gov](http://www.lni.wa.gov)). Where power tools are to be used on non-asbestos containing materials, dust control measures need to be observed. For general information call Labor & Industry at 509.886.6500 for guidelines on the proper use of power tools and dust suppression methods. Power tools should not be used on asbestos or lead containing materials. For regulatory requirements and the L & I notification form, WAC 296-62, Part I-1, go to: [http://www.lni.wa.gov/WISHA/Rules/generaloccupationalhealth/HTML/62I-1\\_1.htm](http://www.lni.wa.gov/WISHA/Rules/generaloccupationalhealth/HTML/62I-1_1.htm).
4. **Lead:** Thirteen paint chip sample locations were sampled and none were reported to contain lead. However, since the original Bath House building was built prior to 1978 it could be assumed to contain lead in the paint. EPA lead safe work practices are required for worker protection. Metallic lead, in roofing pipe vent sleeves, was observed and one was sampled (3L) and reported positive for lead.
5. **Light Fixture Components:** Fluorescent lights were observed at the site and the tubes may contain mercury and the ballasts may contain polychlorinated biphenyls (PCB). The metal halide lamps, ballasts and the fluorescent tubes can be transported and recycled by Total Reclaim (206.343.1247 Seattle, WA). The estimates for these light fixture components can be found in Table 3.

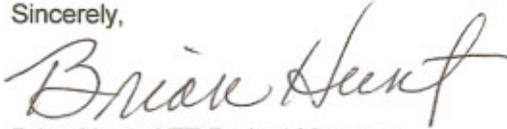
**Limitations:** Sampling at the subject site was limited to the building materials that were accessible. During demolition any hidden suspect asbestos containing materials should be checked against this report and if not contained herein the material should be sampled by a certified building inspector prior to starting or continuing work activity that may disturb the material. Seventeen roofing samples were taken for this site and of these 9 were reported by the laboratory to contain asbestos primarily in the form of Silver Paint and patching material. Although area estimates can be found in this report, contractors must do their own take offs for bid purposes.

**Summary:** Alternative Environmental Technologies, AET, conducted an asbestos good faith inspection at the subject site from 04/04/13 to 05/01/13. The laboratory, upon analysis, reported that 10 of 42 samples contained asbestos. The asbestos containing material was found in roofing Silver Paint on non asbestos built up roofing material, roofing asphalt patching material, roofing fibrous patching material and cement asbestos board.

Several Presumed Asbestos Containing Materials were called out in addition to the positive samples observed, which may be potentially found in inaccessible areas and include cement asbestos board, valve flange gaskets, Thermal System Insulation hard fittings on piping in ceilings and walls, and vermiculite inside concrete masonry units (CMU). In addition to asbestos and lead, fluorescent light fixture components were also estimated in this survey. The results can be found Tables 1, 2 and 3 and the locations of each sample taken is identified herein and can be found in the attached sample location drawings and chain of custody. The attached photographs are of the sample locations reported positive for asbestos and lead.

In summary, you have been provided a copy of this report by e-mail and hard copy will be delivered with the Phase 1 Environmental Site Assessment. The good faith inspection report should be printed out and kept on site for reference by maintenance and any contractors or architects working at the site. If you have any questions regarding this report, you can contact me at 425.232.9860.

Sincerely,



Brian Hunt, AET Project Manager,  
Sr. Environmental Consultant 425.232.9860

AHERA Building Inspector Certification # 138689, Exp. 9/12/13

Encl. Photographs: Table 1- Asbestos Sampling & Analysis, Table 2 - Lead Sampling & Analysis, Table 3: Fluorescent Light Fixture Inventory,  
Analytical Results & Chain of Custody, BI Certification

Cc Dave Leonard CIH MSPH, Technical Review

**Photographs: Positive Asbestos & Lead Sample Locations.**



1. Looking SW at Hal Moe Pool building.



2. Sample # 33, Main Entrance Cement Asbestos board.



3. Looking West at NW flat roof from north central roof.



4. Spl: #2: Asbestos Silver Paint on non-asbestos built up.



5. Sample #4: Asbestos Silver Paint on roof vent patch.



6. NW flat roof, HVAC unit, sample #5 location.



7. Sample #5: Asbestos Silver Paint.



8. Sample #6: Asbestos Silver Paint



9. Spl. # 3L: Lead sheath on vent pipe, Spl. #8: Silver Paint



10. North Central flat roof Spl. # 9 location.



11. Sample # 9: Black asphaltic patch material.



12. Sample # 34: Asbestos Silver Paint under patch.



13. Sample # 38: 18" square, drain-patch (3 locations)



14. Sample # 40. Black asbestos wet patch. Typical

Table I: Asbestos Sampling &amp; Analysis

Site: HAL Moe Pool		Sampling Date(s): April 4, 10,25 & May 1 2013		AET Job #: 2968				
Client: City of Snohomish		Laboratory: Seattle Asbestos Test		Inspector: Brian Hunt				
				Certification 138689 Exp. 9/12/13				
Spl #	Area	Location	Suspect Material Description	% Asbestos	Type & Friability	HA	Built	Comment
1	Roof	NW Gable Roof	Comp. Shingle	ND	M	1	c 1989	Hal Moe Pool Enclosure/Remodel
2	Roof	NW Flat Roof	Built up roofing	3% Ch	M	2	c 1970	Silver Paint Surface Coating
3	Roof	South of NW flat roof	LP Siding	ND	M	3	c 1980	Pool Enclosure North Wall
4	Roof	NW Flat Roof	Roof Vent Patch	3% Ch	M	4	c 1970	Silver Paint Surface Coating
5	Roof	NW Flat Roof	Built up roofing	3% Ch	M	2	c 1970	Silver Paint Surface Coating
6	Roof	NW Flat Roof by Hatch	Built up roofing	3% Ch	M	2	c 1970	Silver Paint Surface Coating
7	Roof	NW Flat Roof by HVAC pipe	Roof Patch	ND	M	4	c 1970	Tar like patching material
8	Roof	NW Flat Roof	Pipe Patch	3% Ch	M	4	c 1970	Silver Paint Surface Coating
9	Roof	N Central Flat Roof	W. Side of HVAC	6% Ch	M	5	c 1989	Black Fibrous Patching like #38
10	Mezz	Central Mezzanine piping	End of cut insulation	ND	TSI	1	c 1989	ceiling level
11	Mezz	landing - end of railing	GWB Composite	ND	M	6	c 1989	Electrical Room
12	Mezz	Roof Hatch Access	GWB Composite	ND	M	6	c 1989	Electrical Room
13	Mezz	East Mezzanine	Insulation Jacket	ND	TSI	2	c 1989	ceiling level pipe run
14	Mezz	Stair Tread	asphalt material	ND	M	7	c 1989	stairs to mezzanine
15	Main	Spa Piping- Pump Room	flange gasket	ND	M	8	c 1989	Mechanical room
16	Main	Spa Piping- Pump Room	flange Gasket	ND	M	8	c 1989	Mechanical room
17	Main	Water Filter Tank	Filter Material	ND	M	9	c 1989	Mechanical room
18	Pool	Entrance to Filter Room	GWB Composite	ND	M	6	c 1989	aka Boiler Room
19	Locker	Men's Locker Room	GWB Composite	ND	M	6	c 1970	
20	Recp	Reception	12" Ceiling Tile	ND	M	10	c 1970	
21	Recp	Reception	12" CT & Mastic	ND	M	10	c 1970	
22	Recp	Reception & Offices	Floor Mat	ND	M	11	c 1970	
23	Ceiling	Main Pool Ceiling	GWB Composite	ND	M	6	c 1989	
24	Bleachers	SE Corner	GWB Composite	ND	M	6	c 1989	SE Exit - South Wall
25	Pools	2'x4' Acoustical Ceiling	Suspended CT	ND	M	12	c 1989	Suspended Ceiling Clouds
26	Locker	Handycap Locker Room	12" CT & Mastic	ND	M	6&10	c 1989	Plus GWB composite
27	SPA	SPA Pool	Tile Mud	ND	M	13	c 1989	
28	Pool	Overflow around pools	caulking (mastic)	ND	M	14	c 1970	3 Outdoor Pools
29	Pool	Base of Olympic Pool	1/8" coating	ND	S	15	c 1970	
30	Pool	Base of Olympic Pool	1/4" coating	ND	S	16	c 1970	Under 1/8" surface coating
31	Ext.	Closet West Side	Paint (caulking)	ND	M	17	c 1970	Floor of closet
32	Ext.	West Exterior Door	Insulation	ND	M	18	c 1970	
33	Ext.	Main Entrance	1/4" Cement Board	15% Ch	M	19	c 1970	CAB above main entrance-14"x21'
34	Roof	NW Flat Roof	Asphalt Patch	2% Ch	M	4	c 1970	Silver Paint Surface Coating
35	Roof	NW Gable Roof	Shingles & Mastic	ND	M	1	c 1970	
36	Roof	NW Gable Roof	Shingles & Mastic	ND	M	1	c 1970	
37	Roof	NW Flat Roof SE Corner	Built up roofing	ND	M	2	c 1970	40' x 115', NW flat roof Dim.
38	Roof	NW, 18" Square by W. drain	Central drain patch	3 - 4% Ch	M	2	c 1970	Silver Paint & Asphalt roofing
39	Roof	NC roof East of Mezz. Hatch	Built up roofing	ND	M	2	c 1989	27' x 30'
40	Roof	NE roof, west parapet patch	Asphalt patch	3% Ch	M	2	c 1989	6' high wall - Typical wet patch
41	Roof	NE roof, 3' east of west wall	Built up roofing	ND	M	2	c 1989	27' x 27'
42	Roof	N roof at Spa Entrance	Built up roofing	ND	M	2	c 1989	8' x 16'
43	PACM	Hard Fittings	Walls & ceiling	NA	TSI	3	c 1989	Accessible fittings abated
44	PACM	Vermiculite	CMU walls	NA	M	20	c 1970	Suspected Insulation
45	PACM	CAB	Exterior	NA	M	19	c 1970	Suspected in other locations
46	PACM	Pipe Flanges	Pumps	NA	M		c 1989	Flange Gaskets

**Table I: Asbestos Sampling & Analysis**

**Site:** HAL Moe Pool  
**Client:** City of Snohomish

**Sampling Date(s):** April 4, 10,25 & May 1 2013  
**Laboratory:** Seattle Asbestos Test

**AET Job #:** 2968  
**Inspector:** Brian Hunt  
**Certification:** 138689 Exp. 9/12/13

<b>Key</b>	<b>ACM</b> Asbestos Containing Material	<b>F/NF</b> Friable/Non Friable	<b>M</b> Miscellaneous, ACM;
	<b>Ch</b> Chrysotile Asbestos	<b>GWB</b> Gypsum Wallboard	<b>S</b> Surfacing, ACM
	<b>CAB</b> Cement Asbestos Board	<b>HA</b> Homogeneous Area	<b>TSI</b> Thermal System Insulation, ACM
	<b>CMU</b> Concrete Masonry Unit	<b>NA</b> No Analysis	<b>PACM</b> Presumed Asbestos Containing Material
	<b>CT</b> Ceiling Tile	<b>ND</b> Non Detected	

**Table 2: Lead Sampling & Analysis**

<b>Site:</b> Hal Moe Pool		<b>Sampling Date(s):</b> 04/ 4 & 10 /13		<b>AET Job #:</b> 2968	
<b>Client:</b> City of Snohomish		<b>Laboratory:</b> NVL laboratories		<b>Inspector:</b> Brian Hunt, AET Project Manager	
				<b>Certification:</b> R-I-8869-09-0058 Exp. 11/01/14	

Spl #	Bldg/Flr	Location	Description	% Lead	Std.	Comment
1L	ROOF	Exterior siding north wall of gable roof enclosure built in 1989.	Gray Paint	< RL	0.50%	Since the Bath House was built before 1978 EPA lead safe work practices are recommended.  Note:  Typical, located on several vent pipes  Outside Boiler room entrance  NW storage closet, exterior access
2L	ROOF	Ext trim- West Wall of NC roof	Light brown	< RL	0.50%	
3L	ROOF	vent pipe sheath	Silver color	3.70%	ADL	
4L	MEZZ	stairs & landing	Gray Paint	< RL	0.50%	
5L	BOILER RM	CMU Wall Paint	Beige Paint	< RL	0.50%	
6L	Pool Room	CMU Wall Paint	White Paint	< RL	0.50%	
7L	FILTER RM	Grating over filter tank	Silver Paint	< RL	0.50%	
8L	Ext. Stor #1	Floor	Blue Paint	< RL	0.50%	
9L	Men	GWB Men's Locker room ceiling	White Paint	< RL	0.50%	
10L	Men	Men's Locker Room walls	Beige & Green Paint	< RL	0.50%	
11L	Women	Women's Locker Room CMU wall	Yellow Paint	< RL	0.50%	
12L	Main Pool	Coating inside the large pool	Off White Paint	< RL	0.50%	
13L	Main Pool Rm	Ceiling	Off White Paint	< RL	0.50%	
14L	SE Wall	Hydro Storage Area	Turquoise	< RL	0.50%	

<b>Key</b>	ADL	Any Detectable Level-Washington
	< RL	Less than the Reporting Limit

**Table 3: Light Fixture Component Estimates & Building Area**

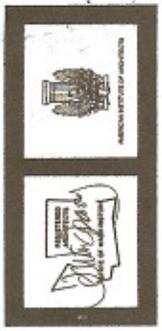
<b>Site:</b> Hal Moe Pool		<b>Date:</b> 04/04/13		<b>AET Job #:</b> 2968	
<b>Client:</b> City of Snohomish				<b>Inspector:</b> Brian Hunt, AET Project Manager	

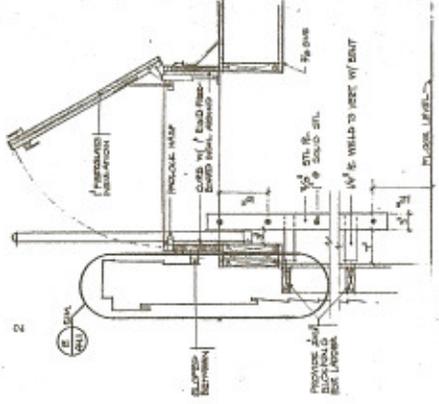
Floor	Location	Fluorescent Light Fixtures	Tubes (4 foot)	Ballasts	Total Tubes	Total Ballasts	AREA SF	Comment
Mezz	Elec/Mech	2	2	1	4	2	Site Area 48954 SF	Site Stalls, off street parking
	Stairwell	1	2	1	2	1		
Main	Spa Rm	1	1	1	1	1	Building Area	Existing 1970 New 1989 Total Area - 1st Floor - Main Building Mezzanine - 2nd Floor Mechanical Room Bleachers & Natatorium Lockers and Showers
	Boiler Rm	1	1	1	1	1		
	Men's locker	23	2	1	46	23		
	Women's Lkr	23	2	1	46	23		
	Rcptn/Offices	6	4	2	24	12		
	Hndycp Lkr	5	2	1	10	5		
	ADA Spa	4	2	1	8	4		
	ADA Spa	8	4	2	32	16		
Boiler	Storage		26		26		Flat Roof Area	Approximate Northwest Roof
<b>Total</b>					200	88		

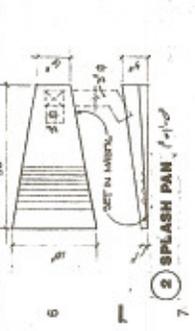
<b>Key</b>	ADA	Americans with Disabilities Act	SF	Square feet	810	North Central Roof - above Mechanical Room
	MH	Metal Hallide lamps Over Pools	Total MH Lamps		729	Northeast Roof - Above Hydro-therapy Spa
	MH	Natatorium	30		128	Northeast Entrance Roof



A | B | C | D | E | F | G | H | J | K



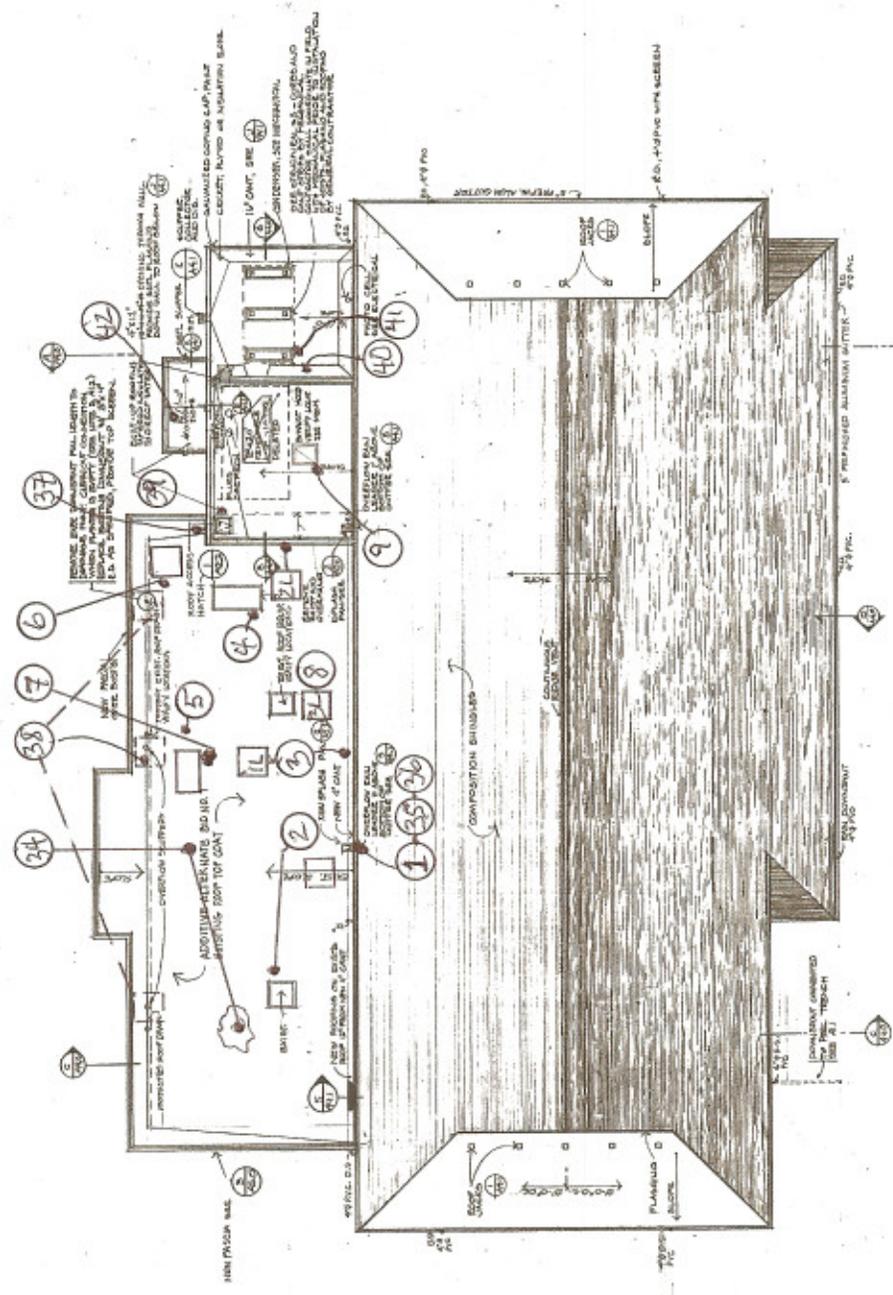
1 ROOF HATCH DETAIL 1/4" = 1'-0"



2 SPLASH PAN 1/4" = 1'-0"

RECORD DRAWING

<b>HAL MOE POOL ENCLOSURE!</b>	PROJECT NO. 100-100-100	SHEET NO. A2.2
	<b>THE TSANG PARTNERSHIP, INC.</b> ARCHITECTS 100-100-100 100-100-100	DATE: 10/10/10



ROOF PLAN SAMPLE LOCATIONS  
 SCALE: 1/4" = 1'-0"  
 # ASBESTOS # LEAD

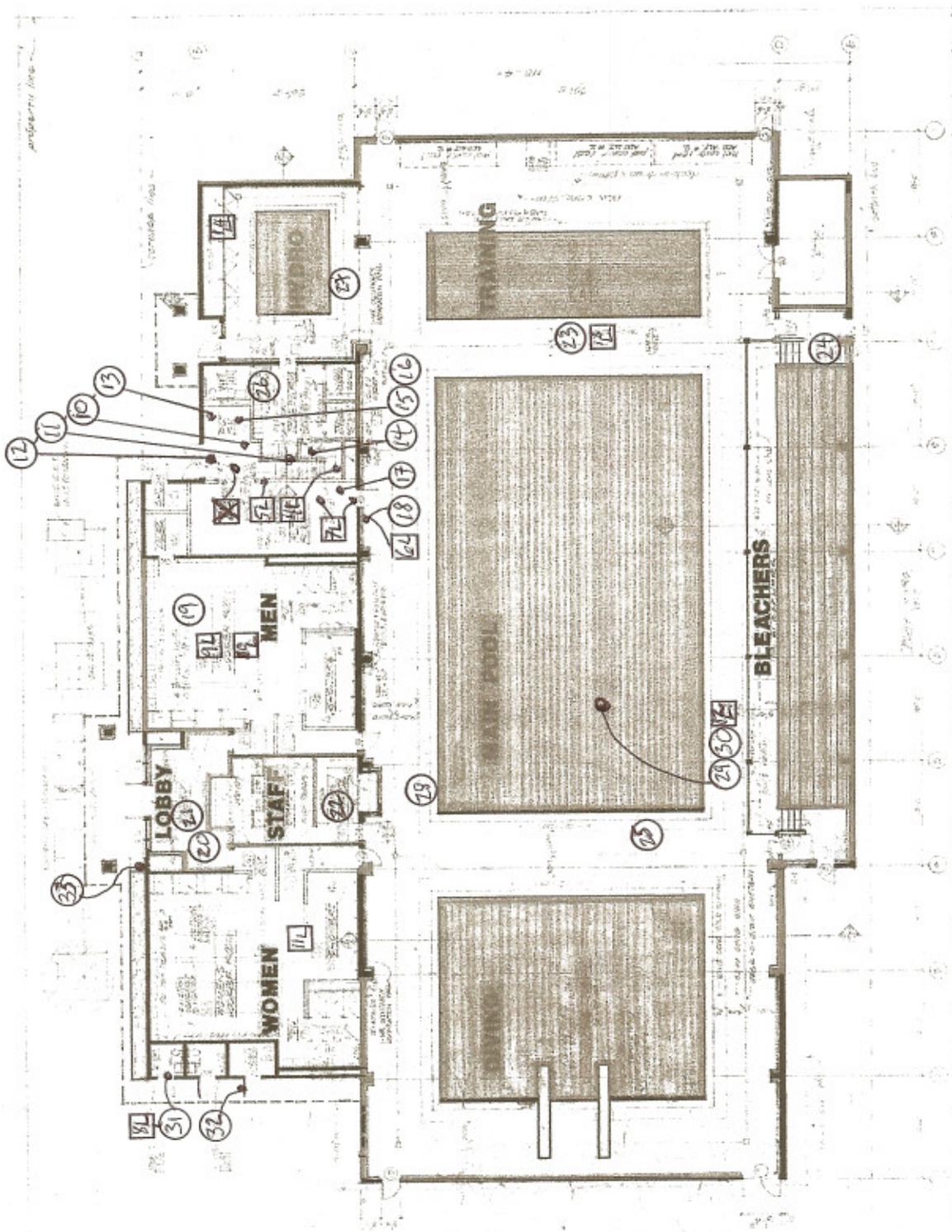
10

A | B | C | D | E | F | G | H | J | K



**FLOOR PLAN**

HALL W/ POOL ENCLOSURE	FLOOR PLAN
TSANG	A2.D



**FLOOR PLAN**

**SAMPLE LOCATIONS**

**# ASBESTOS 74 LEAD**

**CHAIN OF CUSTODY**

Client Name Alternative Environmental Technologies

Address 5129 Evergreen Way D9

City Everett

ST WA ZIP 98203

Phone: 425-232-9800 Fax: 425.514.0444

Email: brian@alternative-technologies.com

Project Location: HAL MOE

Project Manager: BH

Turn Around Time 5d Number of Samples 1-20 Client Job # 2968

20 of 30

SEQ#	CLIENT SAMPLE #	SAMPLE DESCRIPTION	LAB ID	A/R
1	1	ROOFING	W. <del>3</del> GABLE	
2	2	Roofing	W. Flat	
3	3	LP SIDING	N. WALL of Gable Roof	
4	4	Roofing	PATCH around vents	
5	5	Roofing	W FLAT	
6	6	Roofing	by W. Cntl Hatch	
7	7	Roofing	HVAC Pipe Patch	
8	8	ROOFING		
9	9	ROOFING	CENTRAL - Flat	
10	10	ADJACENT END OF RUN - MEZZANINE		
11	11	GWBCOMPOSITE	TRAILING - MEZZ END G	
12	12	GWBCOMPOSITE	MEZZANINE	
13	13	INSUL. JACKET	MEZZ PIPE RUN	
14	14	STAIR TREAD	- TO MEZZANINE	
15	15	FLANGE GASKET	SPA PUMP - Blue	
16	16	FLANGE GASKET	SPA PIPING	
17	17	FILTER MATERIAL	MAIN POOL TANK	
18	18	GWBCOMPOSITE	*THICK SURFACE - SURFACE	
19	19	GWBCOMPOSITE	CEILING MEN'S LOCKER	
20	20	12" CEILING TILE	RECEPTION	

	Print Name	Signature	Company Name	Date	Time
Sampled	Brian Hunt	<i>Brian Hunt</i>	AET	4/4/13	1:00pm
Relinquished	Brian Hunt	<i>Brian Hunt</i>	AET	4/4/13	4:55pm
Delivered					
Received	April Smith	<i>April Smith</i>	SAT	4/4/13	16:55
Analyzed	Brian Hunt	<i>Brian Hunt</i>	SAT	4/4/13	16:40
Reported					

e mail

Seattle Asbestos Test warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted and disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. Seattle Asbestos Test accepts no legal responsibility for the purpose for which the client uses the test results. By signing on this form the clients agree to relieve Seattle Asbestos Test of any liability that may arise from the test results.

\*18 - Ceiling - SPA PUMP ROOM

1 of 2

**CHAIN OF CUSTODY**

Client Name Alternative Environmental Technologies

Address 5129 Evergreen Way D9

City Everett

ST WA ZIP 98203

Phone:

Fax: 425.514.0444

Email: brian@alternative-technologies.com

Project Location: HAL MOE

Project Manager: BH

Turn Around Time 5d Number of Samples 10

Client Job # 2968

21-30

SEQ#	CLIENT SAMPLE #	SAMPLE DESCRIPTION	LAB ID	A/R
1	21	12" CT + MASTIC	RECEPTION	
2	22	FLOOR MAT	RECEPTION + OFFICES	
3	23	GW B COMPOSITE	MAIN POOL BEDDING	
4	24	GW B COMPOSITE	SE EXIT - S. WALL	
5	25	2x4 SCT	MAIN POOL AREA	
6	26	12" CT Mastic + GW B Comp	HNDY CP - LOCKER	
7	27	TILE MOLD	Under tiles in spa	
8	28	MASTIC	Around Pool overflow	
9	29	Surface Coating	MAIN POOL 1/8"	
10	30	Surface Material	Under main pool	
11			surface coat	
12			~ 1/4"	
13				
14				
15				
16	PAEM-CAB	Preserved CAB above entry -		
17		from historical drawings		
18				
19				
20				

	Print Name	Signature	Company Name	Date	Time
Sampled	Brian Hunt	<i>Brian Hunt</i>	AET	4/4/13	1pm
Relinquished	Brian Hunt	<i>Brian Hunt</i>	AET	4/4/13	4:55p
Delivered					
Received	April Smith	<i>April Smith</i>	SAT	4/4/13	16:55
Analyzed	Ryan Antosick	<i>Ryan Antosick</i>	SAT	4/9/13	11:40
Reported					

email

Seattle Asbestos Test warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted and disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. Seattle Asbestos Test accepts no legal responsibility for the purpose for which the client uses the test results. By signing on this form the clients agree to relieve Seattle Asbestos Test of any liability that may arise from the test results.

SCT - MAIN POOL AREA  
30, 33, 32, 27, 33, 33

2 of 2

#201310615

**CHAIN OF CUSTODY**

Client Name Alternative Environmental Technologies  
 Address 5129 Evergreen Way D9 City Everett ST WA ZIP 98203  
 Phone: 425-232-9860 Fax: 425.514.0444 Email: brian@alternative-technologies.com  
 Project Location: HAL MOSE POOL Project Manager:  
 Turn Around Time 2d Number of Samples 2 Client Job # 2468

SEQ#	CLIENT SAMPLE #	SAMPLE DESCRIPTION	LAB ID	A/R
1	31	Blue paint + caulking	Ext NW	CLOSET #1
2	32	Door Insulation	Ext NW	CLOSET #3
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

	Print Name	Signature	Company Name	Date	Time
Sampled	Brian Hunt	<i>Brian Hunt</i>	AET	4/10/13	1000
Relinquished	Brian Hunt	<i>Brian Hunt</i>	AET	4/10/13	
Delivered					
Received	Christina Burdick	<i>Christina Burdick</i>	SAT	4/10/13	1440
Analyzed	Christina Burdick	<i>Christina Burdick</i>	SAT	4/12/13	0610
Reported					

email

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#201310970

CHAIN OF CUSTODY

Client Name Alternative Environmental Technologies

ACTONIT@aol.com

Address 5129 Evergreen Way D9

City Everett

ST WA ZIP 98203

Phone:

Fax: 425.514.0444

Email: brian@alternative-technologies.com

Project Location: HAI MOE

Project Manager: BH

Turn Around Time 2hr Number of Samples 4

Client Job # 2968

SEQ#	CLIENT SAMPLE #	SAMPLE DESCRIPTION	LAB ID	A/R
1	33	CEMENT BOARD	14" x 21' over front door	
2	34	ASPHALT ROOF PATCH	flat roof - NW - Central	
3	35	ROOFING Shingle	N. Side of gable roof	
4	36	3 TAB ROOFING Shingles		
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

	Print Name	Signature	Company Name	Date	Time
Sampled	Brian Hunt	<i>Brian Hunt</i>	AET	4/25/13	
Relinquished	Brian Hunt	<i>Brian Hunt</i>	AET	4/25/13	
Delivered					
Received	<i>Kristina B...</i>	<i>Kristina B...</i>	<i>SAT</i>	4/25/13	1405
Analyzed	<i>Kristina B...</i>	<i>Kristina B...</i>	<i>SAT</i>	4/25/13	1535
Reported					

e-mail

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#201311097

SEATTLE ASBESTOS TEST, LLC

NVLAP Accredited, 200768-0

### CHAIN OF CUSTODY

Client Name Alternative Environmental Technologies

Address 5129 Evergreen Way D9 City Everett ST WA ZIP 98203

Phone: \_\_\_\_\_ Fax: 425.514.0444 Email: brian@alternative-technologies.com

Project Location: HAI MOE

Project Manager: BH  
Client Job # 2968  
ACTONITE@aol.com

Turn Around Time 4 hr Number of Samples 6

SEQ#	CLIENT SAMPLE #	SAMPLE DESCRIPTION	LAB ID	A/R
1	37	Built up Roofing	NW ROOF - Central	Top
2	38	Built up Roofing	NW ROOF - SE Sloped	Parapet
3	39	Built up Roofing	FLAT NC ROOF by Hatch (E)	
4	40	Roofing over NW Parapet	NE FLAT ROOF 27' x 27'	
5	41	Built up Roofing	FLAT NE ROOF by HVAC	
6	42	NE Roofing - Built up	FLAT - OVER SPA ENTRY	8' x 16'
7				
8			FLAT ROOFS	in Drill
9			NW Roof	40' x 115'
10			NC Roof	27' x 30'
11			NE Roof	27' x 27'
12			NW Entry Roof	8' x 16'
13			NE Entry Roof	8' x 16'
14			McQuay Air Cond.	
15			NE Roof	
16				
17				
18				
19				
20				

	Print Name	Signature	Company Name	Date	Time
Sampled	Brian Hunt	<i>Brian Hunt</i>	AET	5/1/13	11:00
Relinquished	Brian Hunt	<i>Brian Hunt</i>	AET	5/1/13	11:30
Delivered					
Received	April Smith	<i>April Smith</i>	SST	5/1/13	11:40
Analyzed	April Smith	<i>April Smith</i>	SST	5/1/13	15:40
Reported					

e-mail

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# SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103,  
Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810

NVLAP Accreditation Lab Codes: Bellevue-200876, Lynnwood-200768

Bellevue Laboratory: 12727 Northup Way, Suite 1, Bellevue,  
WA 98005, Tel: 425.861.1111, Fax: 425.861.1118

Seattle Laboratory: 4500 9th Ave. NE, Suite 300, Seattle, WA 98105,  
Tel: 206.633.1111, Fax: 206.633.4747

## ANALYTICAL LABORATORY REPORT

PLM by Method EPA/600/R-93/116

Attn: Mr. Brian Hunt

Client: Alternative Environmental  
Technologies

Address: 4917 Evergreen Way, Everett, WA 98203

Job#: 2968

Batch#: 201310499

Date Received: 4/4/2013

Samples Rec'd: 30

Date Analyzed: 4/9/2013

Samples Analyzed: 30

Project Loc.: Hal Moe



Analyzed by: Ryan Antolock

Reviewed by: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
1	1	1	Multi-layered black asphaltic material with sand		None detected	Asphalt/binder	44	Glass fibers, Cellulose
2	2	1	Silver paint	3	Chrysotile	Paint, Filler	2	Cellulose
		2	Black asphaltic material		None detected	Asphalt/binder	5	Glass fibers, Cellulose
		3	Multi-layered black asphaltic material with sand		None detected	Asphalt/binder	48	Glass fibers, Cellulose
		4	Black asphaltic fibrous material		None detected	Filler, Asphalt, Binder	71	Cellulose
3	3	1	Gray paint with paper		None detected	Paint/binder	24	Cellulose
		2	Brown wood block		None detected	Wood aggregates	4	Cellulose
		3	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	26	Cellulose
4	4	1	Silver paint	3	Chrysotile	Paint, Filler	2	Cellulose
		2	Black asphaltic material		None detected	Asphalt/binder	3	Cellulose
		3	Black asphaltic fibrous material		None detected	Filler, Asphalt, Binder	65	Glass fibers
		4	Black asphaltic fibrous material		None detected	Filler, Asphalt, Binder	68	Cellulose
5	5	1	Silver paint	3	Chrysotile	Paint, Filler	2	Cellulose
		2	Black asphaltic material		None detected	Asphalt/binder	4	Cellulose
		3	Black asphaltic fibrous material		None detected	Filler, Asphalt, Binder	67	Cellulose
		4	Black asphaltic material		None detected	Asphalt/binder	3	Cellulose
6	6	1	Silver paint	3	Chrysotile	Paint, Filler	2	Cellulose
		2	Black asphaltic fibrous material		None detected	Filler, Asphalt, Binder	74	Cellulose
		3	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	3	Cellulose
7	7	1	Black asphaltic material		None detected	Asphalt/binder	4	Cellulose
		2	Multi-layered black asphaltic material with sand		None detected	Asphalt/binder	61	Glass fibers
		3	Black asphaltic fibrous material		None detected	Filler, Asphalt, Binder	72	Cellulose
8	8	1	Silver paint	3	Chrysotile	Paint, Filler	3	Cellulose
		2	Black asphaltic material		None detected	Asphalt/binder	4	Cellulose

# SEATTLE ASBESTOS TEST

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Seattle Laboratory: 4500 9th Ave. NE, Suite 300, Seattle, WA 98105,  
Tel: 206.633.1111, Fax: 206.633.4747

## ANALYTICAL LABORATORY REPORT

PLM by Method EPA/600/R-93/116

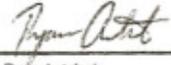
Attn: Mr. Brian Hunt  
Job#: 2968  
Samples Rec'd: 30  
Project Loc.: Hal Moe

Client: Alternative Environmental  
Technologies  
Batch#: 201310499  
Date Analyzed: 4/9/2013

Address: 4917 Evergreen Way, Everett, WA 98203

Date Received: 4/4/2013

Samples Analyzed: 30



Analyzed by: Ryan Antlock

Reviewed by: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
		3	Black asphaltic material with trace sand		None detected	Asphalt/binder, Sand	30	Glass fibers
		4	Black asphaltic material		None detected	Asphalt/binder	3	Cellulose
		5	Black asphaltic fibrous material		None detected	Filler, Asphalt, Binder	66	Cellulose
9	9	1	Multi-layered black asphaltic material with sand		None detected	Asphalt/binder	39	Glass fibers, Cellulose
		2	Black asphaltic material with fibrous material	6	Chrysotile	Asphalt/binder	4	Cellulose
10	10	1	Beige soft/elastic material with paint		None detected	Binder, Filler, Paint	3	Cellulose
		2	Yellow fibrous material		None detected	Filler, Glass beads	92	Glass fibers
		3	Trace silver foil		None detected	Foil/binder		None detected
11	11	1	White powdery material with paper		None detected	Binder/filler	31	Cellulose
		2	Off-white/pink chalky material with paper		None detected	Binder/filler, Gypsum/binder	34	Cellulose, Glass fibers
12	12	1	White powdery material with paper		None detected	Binder/filler	30	Cellulose
		2	Off-white/pink chalky material with paper		None detected	Binder/filler, Gypsum/binder	36	Cellulose, Glass fibers
13	13	1	Off-white paper with woven fibrous material		None detected	Binder/filler	77	Cellulose, Glass fibers
		2	Silver foil		None detected	Foil/binder		None detected
		3	Yellow mastic		None detected	Mastic/binder	2	Cellulose
14	14	1	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	28	Glass fibers, Cellulose
15	15	1	Red soft/elastic material with fibrous material and debris		None detected	Binder, Filler, Fine particles, Debris	7	Cellulose
16	16	1	Red soft/elastic material		None detected	Binder, Filler	4	Cellulose
17	17	1	White plastic		None detected	Plastic		None detected
		2	White woven fibrous material		None detected	Filler, Binder	89	Synthetic fibers

# SEATTLE ASBESTOS TEST

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NVLAP Accreditation Lab Codes: Bellevue-200876, Lynnwood-200768  
Seattle Laboratory: 4500 9th Ave. NE, Suite 300, Seattle, WA 98105,  
Tel: 206.633.1111, Fax: 206.633.4747

## ANALYTICAL LABORATORY REPORT

PLM by Method EPA/600/R-83/116

Attn: Mr. Brian Hunt

Client: Alternative Environmental  
Technologies

Address: 4917 Evergreen Way, Everett, WA 98203

Job#: 2968

Batch#: 201310499

Date Received: 4/4/2013

Samples Rec'd: 30

Date Analyzed: 4/9/2013

Samples Analyzed: 30

Project Loc.: Hal Moe



Analyzed by: Ryan Antolock

Reviewed by: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
18	18	1	White brittle/sandy material with paint		None detected	Binder, Sand, Paint	3	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	37	Cellulose, Glass fibers
19	19	1	Trace off-white powdery material with paint		None detected	Binder/filler, Paint	3	Cellulose
		2	Brown chalky material with paper		None detected	Binder/filler, Gypsum/binder	33	Cellulose, Glass fibers
20	20	1	Brown fibrous material with paint		None detected	Filler, Paint, Perlite	87	Cellulose
21	21	1	Gray fibrous material with paint		None detected	Paint, Filler, Perlite	68	Cellulose
		2	Yellow/brown mastic		None detected	Mastic/binder	3	Cellulose,
22	22	1	Gray rubbery material		None detected	Rubber/binder	2	Cellulose
		2	Gray sandy/brittle material		None detected	Sand, Filler, Binder	3	Cellulose
23	23	1	White brittle/sandy material with paint		None detected	Binder, Sand, Paint	2	Cellulose
		2	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	38	Cellulose, Glass fibers
24	24	1	White powdery material with paint		None detected	Binder/filler, Paint	4	Cellulose
		2	White chalky material with trace paper		None detected	Binder/filler, Gypsum/binder	33	Cellulose, Glass fibers
25	25	1	Gray fibrous material with paint		None detected	Paint, Filler, Perlite	72	Cellulose
26	26	1	Gray fibrous material		None detected	Filler, Perlite	64	Cellulose
		2	Yellow/brown mastic		None detected	Mastic/binder	3	Cellulose,
		3	White brittle/sandy material with paint		None detected	Binder, Sand, Paint	2	Cellulose
		4	White chalky material with paper		None detected	Binder/filler, Gypsum/binder	36	Cellulose, Glass fibers
27	27	1	White brittle material		None detected	Filler, Binder	2	Cellulose
28	28	1	White/green mastic with debris		None detected	Mastic/binder, Sand, Fine particles, Debris	6	Cellulose
29	29	1	White brittle material with woven fibrous material		None detected	Filler, Binder	32	Glass fibers, Cellulose
30	30	1	White brittle/rigid material with paint		None detected	Filler, Binder, Fine debris, Paint	2	Cellulose

# SEATTLE ASBESTOS TEST

NVLAP Accreditation Lab Codes: Bellevue-200876, Lynnwood-200768

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103,  
Lynnwood, WA 98036, Tel: 425.673.9850, Fax: 425.673.9810

Bellevue Laboratory: 12727 Northup Way, Suite 1, Bellevue,  
WA 98005, Tel: 425.861.1111, Fax: 425.861.1118

Seattle Laboratory: 4500 9th Ave. NE, Suite 300, Seattle, WA 98105,  
Tel: 206.633.1111, Fax: 206.633.4747

## ANALYTICAL LABORATORY REPORT

PLM by Method EPA/600/R-93/116

Attn: Mr. Brian Hunt

Client: Alternative Environmental  
Technologies

Address: 4917 Evergreen Way, Everett, WA 98203

Job#: 2968

Batch#: 201310615

Date Received: 4/10/2013

Samples Rec'd: 2

Date Analyzed: 4/12/2013

Samples Analyzed: 2

Project Loc.: Hal Moe Pool

Analyzed by: Christina Buce

Reviewed by: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
1	31	1	White brittle material with blue paint		None detected	Filler, Binder, Paint	2	Cellulose
		2	Gray sandy/brittle material with debris		None detected	Sand, Filler, Binder, Debris	3	Cellulose
2	32	1	White foamy material		None detected	Synthetic foam		None detected

# SEATTLE ASBESTOS TEST

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Tel: 206.633.1111, Fax: 206.633.4747

## ANALYTICAL LABORATORY REPORT

PLM by Method EPA/600/R-93/116

Attn: Mr. Brian Hunt

Client: Alternative Environmental  
Technologies

Address: 4917 Evergreen Way, Everett, WA 98203

Job#: 2968

Batch#: 201310970

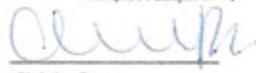
Date Received: 4/25/2013

Samples Rec'd: 4

Date Analyzed: 4/25/2013

Samples Analyzed: 4

Project Loc.: Hal Moe



Analyzed by: Christina Buca

Reviewed by: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
1	33	1	Gray cementitious material with paint	15	Chrysotile	Cement/binder, Paint	6	Cellulose
2	34	1	Black asphaltic material		None detected	Asphalt/binder	21	Cellulose
		2	Silver paint	2	Chrysotile	Paint, Filler	3	Cellulose
		3	Black asphaltic material		None detected	Asphalt/binder	4	Cellulose
3	35	1	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	27	Glass fibers
		2	Black asphaltic material		None detected	Asphalt/binder	5	Cellulose
4	36	1	Black asphaltic material with black sand		None detected	Asphalt/binder, Sand	24	Glass fibers
		2	Black asphaltic material		None detected	Asphalt/binder	5	Cellulose
		3	Black asphaltic material with green sand		None detected	Asphalt/binder, Sand	28	Glass fibers
		4	Black asphaltic fibrous material		None detected	Asphalt/binder	67	Glass fibers, Cellulose

# SEATTLE ASBESTOS TEST

Lynnwood Laboratory: 19701 Scriber Lake Road, Suite 103,  
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Bellevue Laboratory: 12727 Northup Way, Suite 1, Bellevue,  
WA 98005, Tel: 425.861.1111, Fax: 425.861.1118

NVLAP Accreditation Lab Codes: Bellevue-200876, Lynnwood-200768

Seattle Laboratory: 4500 9th Ave. NE, Suite 300, Seattle, WA 98105,  
Tel: 206.633.1111, Fax: 206.633.4747

## ANALYTICAL LABORATORY REPORT PLM by Method EPA/600/R-93/116

Attn: Mr. Brian Hunt  
Job#: 2968  
Samples Rec'd: 6  
Project Loc.: Hal Moe

Client: Alternative Environmental  
Technologies  
Batch#: 201311097  
Date Analyzed: 5/1/2013

Address: 4917 Evergreen Way, Everett, WA 98203

Date Received: 5/1/2013  
Samples Analyzed: 6

Analyzed by: April Smith

Reviewed by: Steve (Fanyao) Zhang, President

Lab ID	Client Sample ID	Layer	Description	%	Asbestos Fibers	Non-fibrous Components	%	Non-asbestos Fibers
1	37	1	Silver paint		None detected	Paint, Filler	4	Cellulose
		2	Black asphaltic material with fibrous material		None detected	Asphalt/binder	20	Cellulose, Glass fibers
		3	Black asphaltic material with fibrous material		None detected	Asphalt/binder	24	Cellulose, Glass fibers
		4	Brown fibrous material		None detected	Binder, Filler, Perlite	82	Cellulose
2	38	1	Silver paint	3	Chrysotile	Paint, Filler	4	Cellulose
		2	Black asphaltic material	4	Chrysotile	Asphalt/binder	3	Cellulose
		3	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	23	Cellulose, Glass fibers
		4	Silver paint	3	Chrysotile	Paint, Filler	2	Cellulose
		5	Black asphaltic material	3	Chrysotile	Asphalt/binder	2	Cellulose
3	39	1	Multi-layered black asphaltic material with sand		None detected	Asphalt/binder	53	Cellulose, Glass fibers
		2	Multi-layered black asphaltic fibrous material		None detected	Asphalt/binder	76	Cellulose, Glass fibers
		3	Black asphaltic material		None detected	Asphalt/binder	10	Cellulose, Glass fibers
4	40	1	Black asphaltic material	3	Chrysotile	Asphalt/binder	3	Cellulose
		2	Multi-layered black asphaltic material with sand		None detected	Asphalt/binder	62	Cellulose, Glass fibers
		3	Black asphaltic fibrous material		None detected	Asphalt/binder, Binder/filler	70	Cellulose, Glass fibers
5	41	1	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	28	Cellulose, Glass fibers
		2	Black asphaltic material		None detected	Asphalt/binder	4	Cellulose, Glass fibers
		3	Black asphaltic fibrous material		None detected	Asphalt/binder, Binder/filler	75	Cellulose, Glass fibers
6	42	1	Black asphaltic material with sand		None detected	Asphalt/binder, Sand	21	Cellulose, Glass fibers
		2	Black asphaltic material		None detected	Asphalt/binder	5	Cellulose, Glass fibers
		3	Black asphaltic fibrous material		None detected	Asphalt/binder, Binder/filler	73	Cellulose, Glass fibers

**NVL Laboratories, Inc.**

4708 Aurora Ave N, Seattle, WA 98103

tel: 206.547.0100 Emerg.Cell: 206.914.4646

fax: 206.634.1936 1.888.NVL.LABS (685.5227)

**CHAIN of CUSTODY  
SAMPLE LOG**

NVL Batch ID  
**1305582**

Client Alternative Environmental Technologies  
Street 5129 Evergreen Way D9  
Everett, WA 98203

Project Manager Mr. Brian Hunt  
Project Location HAI MOE

NVL Batch Number \_\_\_\_\_  
Client Job Number 2968

Total Samples 14  
Turn Around Time  1-Hr  8-Hrs  2  5  
 2-Hrs  12-Hrs  3  8-10  
 4-Hrs  24-Hrs  4

Please call for TAT less than 24 Hrs  
Email address brian@alternative-technologies.com  
Cell: (425) 232-9860

Phone: (425) 514-0444 Fax: (425) 514-0444

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
<b>METALS</b>	<b>Det. Limit</b>	<b>Matrix</b>	<b>RCRA Metals</b>	<input type="checkbox"/> All 8	<b>Other Metals</b>
<input checked="" type="checkbox"/> Total Metals	<input checked="" type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (C)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input checked="" type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		<input type="checkbox"/> Zinc (Zn)
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package:  Good  Damaged (no spillage)  Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	AR
1		1L	GREY PAINT - EXT. SIDING FLAT ROOF	
2		2L	BROWN PAINT - EXT TRIM - FLAT ROOF	
3		3L	ROOF VENT PIPE SHEATH	
4		4L	GREY PAINT - MEZZ STAIRS & LANDING	
5		5L	Brown PAINT - CMU WALL BOILER RM	
6		6L	White PAINT - CMU N. WALL MAIN POOL - 37 Entry	
7		7L	SILVER GRAY PAINT - GRATING Framing Plank Entry	
8	NA	8L	GREY PAINT - Ceiling - SPA Pump Room TRM	
9		9L	White PAINT - Ceiling GYM - MEN'S LOCKER ROOM	
10		10L	Orange + Green PAINT - MEN'S LOCKER ROOM	
11		11L	Yellow PAINT - CMU WALL Women's Locker RM	
12		12L	OFF WHITE PAINT - LARGE POOL COATINGS	
13		13L	OFF White Ceiling Paint - Main Pool Area	
14		14	TURQUOISE PAINT SEE STORAGE ROOM WALL	
15	KEY	NA	NOT ANALYZED	

	Print Below	Sign Below	Company	Date	Time
Sampled by	Brian Hunt	Brian Hunt	AET	4/4/13	3pm
Relinquished by	Brian Hunt	Brian Hunt	AET	4/4/13	
Received by	MATT M	MA	ML	4/4/13	1600
Analyzed by					
Results Called by					
Results Faxed by					

**Special Instructions:** Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

**NVL Laboratories, Inc.**

4708 Aurora Ave N, Seattle, WA 98103

Tel: 206.547.0100 Emerg. Cell: 206.914.4646

Fax: 206.634.1936 1.888.NVL.LABS (885.5227)

**CHAIN of CUSTODY  
SAMPLE LOG**

NVL Batch ID  
**1305907**

Client Alternative Environmental Technologies

Street 5129 Evergreen Way D9

Everett, WA 98203

Project Manager Mr. Brian Hunt

Project Location HALMOE POOL

NVL Batch Number \_\_\_\_\_

Client Job Number 2968

Total Samples 1

Turn Around Time

- 1-Hr  8-Hrs  2  5  
 2-Hrs  12-Hrs  3  6-10  
 4-Hrs  24-Hrs  4

Please call for TAT less than 24 Hrs

Email address brian@alternative-technologies.com

Cell: (425) 232-9860

Phone: (425) 514-0444

Fax: (425) 514-0444

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/600/R-93/116)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
<b>METALS</b>	<b>Det. Limit</b>	<b>Matrix</b>	<b>RCRA Metals</b>	<input type="checkbox"/> All 8	<b>Other Metals</b>
<input checked="" type="checkbox"/> Total Metals	<input checked="" type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (C)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input checked="" type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppl)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
		<input checked="" type="checkbox"/> Paint Chips in %	<input type="checkbox"/> Paint Chips in cr		<input type="checkbox"/> Zinc (Zn)
<input type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Other (Specify) _____		
	<input type="checkbox"/> Silica	<input type="checkbox"/> Respirable Dust			

Condition of Package:  Good  Damaged (no spillage)  Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g Sample are, Sample Volume, etc)	AIR
1		8L	FLOOR PAINT (Ext. NW closet.) Blue	
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	Brian Hunt	Brian Hunt	AET	4/10/13	10:00
Relinquished by	Brian Hunt	Brian Hunt	AET	4/10/13	
Received by	MATT M	[Signature]	UM	4/10/13	1:50
Analyzed by	Jacob Blair	Jacob Blair	UM	4/11/13	15:45
Results Called by					
Results Faxed by					

**Special Instructions:** Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

# NVL Laboratories, Inc.

4708 Aurora Ave. N., Seattle, WA 98103  
Tel: 206.547.0100, Fax: 206.634.1936  
www.nvllabs.com

## Analysis Report

AIHA - IH # 101861  
WA - DOE # C1765



### Total Lead (Pb)

Client: Alternative Environmental Technologies  
Address: 5129 Evergreen Way D9  
Everett, WA 98203

Batch #: 1305582.00

Matrix: Paint Chips  
Method: EPA 7000B  
Client Project #: 2968

Attention: Mr. Brian Hunt

Project Location: HAI MOE

Date Received: 04/04/2013  
Samples Received: 14  
Samples Analyzed: 13

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13055530	1L	0.1820	51.0	< 51.0	< 0.0051
13055531	2L	0.1916	48.0	< 48.0	< 0.0048
13055532	3L	0.2091	44.0	37000.0	3.7000
13055533	4L	0.0506	180.0	< 180.0	< 0.0180
13055534	5L	0.1983	47.0	< 47.0	< 0.0047
13055535	6L	0.2059	45.0	< 45.0	< 0.0045
13055536	7L	0.0387	120.0	< 120.0	< 0.0120
13055537	8L				
13055538	9L	0.0684	140.0	< 140.0	< 0.0140
13055539	10L	0.2039	45.0	< 45.0	< 0.0045
13055540	11L	0.0825	110.0	< 110.0	< 0.0110
13055541	12L	0.1931	48.0	< 48.0	< 0.0048
13055542	13L	0.0709	130.0	< 130.0	< 0.0130
13055543	14L	0.0581	160.0	< 160.0	< 0.0160

Comments: Sample bag for 8L contained no sample material

Sampled by: Client  
Analyzed by: Jacob Blair

Date Analyzed: 04/09/2013

# DRAFT

mg/ Kg = Milligrams per kilogram  
Percent = Milligrams per kilogram / 10000

RL = Reporting Limit  
'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise.

Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

# NVL Laboratories, Inc.

1708 Aurora Ave. N., Seattle, WA 98103  
Tel: 206.547.0100, Fax: 206.634.1936  
www.nvllabs.com



## Analysis Report

AIHA - IH # 101861  
WA - DOE # C1765

### Total Lead (Pb)

Client: Alternative Environmental Technologies  
Address: 5129 Evergreen Way D9  
Everett, WA 98203

Attention: Mr. Brian Hunt  
Project Location: HAL MOE POOL

Batch #: 1305907.00

Matrix: Paint Chips  
Method: EPA 7000B  
Client Project #: 2968  
Date Received: 04/10/2013  
Samples Received: 1  
Samples Analyzed: 1

Lab ID	Client Sample #	Sample Weight (g)	RL in mg/Kg	Results in mg/Kg	Results in percent
13059188	8L	0.2073	43.0	< 43.0	< 0.0043

Sampled by: Client

Analyzed by: Jacob Blair

Reviewed by: Nick Ly

Date Analyzed: 04/11/2013

Date Issued: 04/11/2013

  
Nick Ly, Technical Director

mg/ Kg = Milligrams per kilogram

RL = Reporting Limit

percent = Milligrams per kilogram / 10000

'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise.

Unless otherwise indicated, the condition of all samples was acceptable at time of receipt.

April 11, 2013

Brian Hunt  
**Alternative Environmental Technologies**  
5129 Evergreen Way D9  
Everett, WA 98203



Laboratory | Management | Training

**RE: Metals Analysis; NVL Batch # 1305907.00**

Dear Mr. Hunt,

Enclosed please find the test results for samples submitted to our laboratory for analysis. Preparation of these samples was conducted following protocol outlined in EPA Method SW 846-3051 unless stated otherwise. Analysis of these samples was performed using analytical instruments in accordance with U.S. EPA, NIOSH, OSHA and other ASTM methods.

For matrix materials submitted as paint, dust wipe, soil or TCLP samples, analysis for the presence of total metals is conducted using published U.S. EPA Methods. Paint and soil results are usually expressed in mg/Kg which is equivalent to parts per million (ppm). Lead (Pb) in paint is usually expressed in mg/Kg (ppm), Percent (%) or mg/cm<sup>2</sup> by area. Dust wipe sample results are usually expressed in ug/wipe and ug/ft<sup>2</sup>. TCLP samples are reported in mg/L (ppm). For air filter samples, analyses are conducted using NIOSH and OSHA Methods. Results are expressed in ug/filter and ug/m<sup>3</sup>. Other matrix materials are analyzed accordingly using published methods or specified by client. The reported test results pertain only to items tested. Lead test results are not blank corrected.

For recent regulation updates pertaining to current regulatory levels or permissible exposure levels, please call your local regulatory agencies for more details.

This report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance please feel free to call us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nick Ly'.

Nick Ly, Technical Director

Enclosure:



1.888.NVL.LABS  
1.888.(685.5227)  
www.nvllabs.com

NVL Laboratories, Inc.  
4708 Aurora Ave N, Seattle, WA 98103  
p 206.547.0100 | f 206.534.1936

# Certificate of Completion

This is to certify that

**Brian Hunt**

has satisfactorily completed  
4 hours of refresher training as an

**Asbestos Building Inspector**

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

138689

Certificate Number

  
Instructor

EPA Provider Cert. Number: 1085



Sep 12, 2012

Date(s) of Training

Exam Score: NA

Expiration Date: Sep 12, 2013