SCHUMACHER & ASSOCIATES, INC.

Industrial Hygiene
and Environmental
Consultants

FILE COPY

April 5, 1999

Sydney C. Randell
District Environmental Coordinator
Seattle District
United States Postal Service
P. O. Box 90308
Seattle, WA 98109-8871

INSPECTION FOR ASBESTOS AND LEAD-CONTAINING MATERIALS
EVERETT P & DC
S & A PROJECT # 99718

Dear Sydney,

At your request, on March 23 and 25, 1999 Schumacher & Associates, Inc. performed a partial inspection of the Everett P & DC located on Hardeson Road in Everett, Washington. The purpose of the inspection was to determine the presence of asbestos and lead-containing building materials prior to the upcoming renovation of the Loading dock.

Asbestos samples were collected from 2 materials in 4 areas on the exterior of the building (including the roof) and the material beneath the yellow marker paint.

Lead samples were collected from 5 areas on the loading dock, the exterior of the building, and the roof.

Asbestos sample results are reported in Table I. Lead paint samples are reported in Table II. The results from the laboratory are included in Appendix A.

Sampling Methods:

Samples were analyzed by NVL Laboratories a NVLAP accredited laboratory (NVLAP #102063), located in Seattle, Washington. Examination of the samples for asbestos was conducted using polarized light microscopy (PLM) with dispersion staining in accordance with US EPA method 600/M4-82-020 as specified in 40 CFR Ch. I (1-1-87 edition) Pt 763, Subpart. F App. A, pages 293-299 or its current edition.

For samples containing more than one separable layer of materials, the asbestos in each layer was reported separately.

Corporate Headquarters
4209 21st West, Suite 200
Seattle, WA 98199-1254
Fax 206.301.8992
Phone 206.301.8989

Dallas Metroplex Offices
1025 North Central Expressway
Suite 300-330
Plano, Texas 75075
Fax 972.422.5427
Phone 214.215.1225

P.O. Box 879
Ashland, OR 97520
Phone 541.488.5731

Table I
Everett P & DC
Loading Dock Expansion
Asbestos Results

Sample Number	Location	Asbestos Fiber Analysis
4P-1	White Powdery Material Under Yellow Marker Paint	Negative
R-1	Lower Parapet, North Side	Negative
R-2	North West Side, Lower Roof	Negative
R-3	Upper South Parapet, North Side	Negative

Results:

All materials were analyzed and found to be negative for asbestos.

Table II
Everett P & DC
Loading Dock Expansion
Lead Results

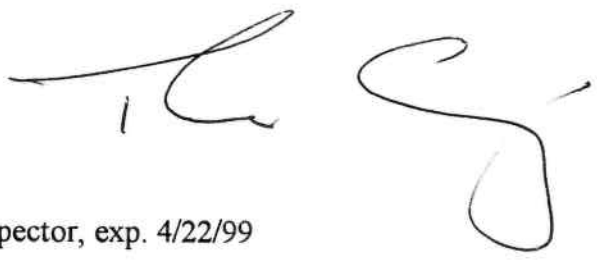
Sample Number	Location	Lead Analysis Results in Percent
P - 1	Yellow Marker Paint	***2.4000***
P - 2	Beige Exterior Wall Paint	<0.0050
P - 3	Lower Roof, Cream Gutter Paint	<0.0050
P - 4	Lower Roof Coating	<0.0050
P - 5	Railing Paint	0.0720

Results:

The lead paint chips were analyzed according to EPA method 7420 and one sample was found to be above the HUD (Housing and Urban Development) action level of 0.5% lead, this was the yellow marker paint.

Thank you for this opportunity to have been of service. Please call me at our office (206) 301-8989, or voice mail (206) 399-1002, with any questions which you might have.

Yours sincerely,



Thea Ewing, IHT
Asbestos Building Inspector, exp. 4/22/99

NVL Laboratories, Inc.
4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100
Fax: 206.634.1936

Bulk Asbestos Fiber Analysis

NVLAP #102063

Client: **Schumacher & Associates, Inc.**
Address: **4209 - 21st Avenue W., Suite 200**
Seattle, WA 98199
Attn.: **Ms. Thea Ewing**
Project: **Everett P&DC**

NVL Batch Number: 99-05478.00

Number of samples: 3

Lab ID #: 99038266 **Client Sample #: R-1**

Sample Location: Everett P&DC
Description: Yellow soft spongy material with white paint

OTHER FIBROUS MATERIALS:
*None Detected

NON-FIBROUS MATERIALS:
Synthetic foam, Paint, Mineral grains

ASBESTOS TYPE:	*PERCENT*
***None Detected**	**ND**

Lab ID #: 99038267 **Client Sample #: R-2**

Sample Location: Everett P&DC
Description: Yellow soft spongy material with white paint

OTHER FIBROUS MATERIALS:
*None Detected

NON-FIBROUS MATERIALS:
Synthetic foam, Paint, Mineral grains

ASBESTOS TYPE:	*PERCENT*
*None Detected	ND

Lab ID #: 99038268 **Client Sample #: R-3**

Sample Location: Everett P&DC
Description: Yellow soft spongy material with white paint

OTHER FIBROUS MATERIALS:
*None Detected

NON-FIBROUS MATERIALS:
Synthetic foam, Paint, Mineral grains

ASBESTOS TYPE:	*PERCENT*
***None Detected**	**ND**

Sampled by: Client
Analyzed by: Barbara Gloyd Date: 03/30/1999
Reviewed by: Nick Ly Date: 03/30/1999

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for reported % Asbestos: 1%=>0-3%, 5%=>1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%. This report relates only to the items tested. If samples were not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.

NVL Laboratories, Inc.
4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100
Fax: 206.634.1936

Bulk Asbestos Fiber Analysis

NVLAP #102063

Client: **Schumacher & Associates, Inc.**

Address: **4209 - 21st Avenue W., Suite 200**
Seattle, WA 98199

Attn.: **Ms. Thea Ewing**

Project: **Everett P&DF, Loading Dock Expansion**

NVL Batch Number: 99-05451.00

Number of samples: 1

Sample Location: Everett P&DF, Loading Dock Expansion

Client Sample #: 4P-1

Lab ID #: 99038011

Sample Description: LAYER 1: White powdery material with bright yellow paint, LAYER 2: Gray sandy cement

NON-FIBROUS MATERIALS:

LAYER 1: Calcareous binder, Paint
LAYER 2: Cement/binder, Sand

OTHER FIBROUS MATERIALS:

LAYER 1: *None Detected
LAYER 2: *None Detected

ASBESTOS TYPE:		*PERCENT*
LAYER 1:	*None Detected	ND
LAYER 2:	*None Detected	ND

Sampled by: Client
Analyzed by: Barbara Gloyd Date: 03/26/1999
Reviewed by: Nick Ly Date: 03/26/1999

Nick Ly, Technical Director

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for reported % Asbestos: 1%=>0-3%, 5%=>1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%. This report relates only to the items tested. If samples were not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.

NVL Laboratories, Inc.
4708 Aurora Ave. N, Seattle, WA 98103
Tel: 206.634.1879, Emerg.Pager: 344.1878
1.800.509.4005

CHAIN of CUSTODY SAMPLE LOG

NVL

NVL Batch Number 9 - _____

Client: Schumacher & Associates, Inc.

Client Job Number: _____

Address: 4209 - 21st Avenue W., Suite 200

Total Samples: 1

Seattle, WA 98199-1254

Type of Analysis (check one)

Project Manager: Thea Ewing

Project Location: Everett P&LF Loading Dock Expansion

Phone Number: 206-301-8989 / Cell # 206-399-1002

Fax Number: 206-301-8992

Pager Number: _____

ASBESTOS	LEAD (Pb)
☐ PCM(air)	☐ Paint Chips
☒ PLM(bulk)	☐ Soil
☐ OTHER, _____	☐ Dust/wipe
	☐ Air
	☐ TCLP

Turn Around Time (check one)

☐ 1- Hr ☐ 24 - Hrs ☒ 3 to 5 days
☐ 4 - Hrs ☐ 48 - Hrs

Condition of Package:

☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Clients Sample #	A/R	Seq. #	Lab ID	Clients Sample #	A/R
1		LP-1		11			
2		Yellow Dock		12			
3		paint w/ leveling compound		13			
4				14			
5				15			
6				16			
7				17			
8				18			
9				19			
10				20			

		DATE	TIME
Sampled By:	[signature]	3/23/99	11
Relinquished By:			1530
DELIVERED BY:			
Received By:			
Analyzed By:			
Results called in by:			
Results Faxed by:			

SPECIAL INSTRUCTIONS:

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

NVL Laboratories, Inc.
4708 Aurora Ave. N, Seattle, WA 98103
Tel: 206.634.1879, Emerg.Pager: 344.1878
1.800.509.4005

CHAIN of CUSTODY SAMPLE LOG

NVL

NVL Batch Number 9 - _____

Client: Schumacher & Associates, Inc.

Address: 4209 - 21st Avenue W., Suite 200

Seattle, WA 98199-1254

Client Job Number: _____

Total Samples: 5

Project Manager: Thea Ewing

Project Location: Everett port OF Loading Dock Expansion

Phone Number: 206-301-8989 / cell # 206-399-1002

Fax Number: 206-301-8992

Pager Number: _____

**Type of Analysis (check one)*

ASBESTOS	LEAD (Pb)
☐ PCM(air)	☒ Paint Chips
☐ PLM(bulk)	☐ Soil
☐ OTHER, _____	☐ Dust/wipe
	☐ Air
	☐ TCLP

Turn Around Time (check one)

☐ 1- Hr ☐ 24 - Hrs ☒ 3 to 5 days
☐ 4 - Hrs ☐ 48 - Hrs

Condition of Package:

☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Clients Sample #	A/R	Seq. #	Lab ID	Clients Sample #	A/R
1		D-1		11			
2		D-2		12			
3		D-3		13			
4		D-4		14			
5		D-5		15			
6				16			
7				17			
8				18			
9				19			
10				20			

		DATE	TIME
Sampled By:	[signature]	3/23/99	11
Relinquished By:	[signature]		15:30
DELIVERED BY:			
Received By:			
Analyzed By:			
Results called in by:			
Results Faxed by:			

SPECIAL INSTRUCTIONS:

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

NVL Laboratories, Inc.
4708 Aurora Ave. N., Seattle, WA 98103
Tel: 206.547.0100 • Fax: 206.634.1936
AIHA ELLAP #11559

Batch#:99-05452.00

ANALYSIS REPORT

Total Lead (Pb)

Client: Schumacher & Associates, Inc.
4209 21st Ave W., Suite 200
Seattle, WA 98199-1254

Matrix: Paint Chip
Method: EPA 7420

Attention: Thea Ewing

Total samples: 5

Project #: xxxx

Location: Everett P&DF
Loading Dock Expansion

Sample #	Lab ID	Sample Wt.(g)	LoD in mg/kg	Results in mg/kg	Results in Percent
P-1	99038012	0.26140	52	24000	2.4000
P-2	99038013	0.27020	50	<50	<0.0050
P-3	99038014	0.27140	50	<50	<0.0050
P-4	99038015	0.27130	50	<50	<0.0050
P-5	99038016	0.08500	160	720	0.0720

Method Blank <54.00mg/kg

Instrument/Bench Run: 99032408

mg/kg = Milligrams per kilogram
LoD = Limit of Detection
'<' = Below the detection limit

NOTES: All standard and spike values are reported for quality control purposes. Results for QC samples represent Percent Recovery.

Analyst: Elf French

Date Analyzed: March 24, 1999

Reviewed by:

Munaf Khan, Laboratory Director

NVL Laboratories, Inc.
4708 Aurora Ave. N, Seattle, WA 98103
Tel: 206.634.1879, Emerg.Pager: 344.1878
1.800.509.4005

CHAIN of CUSTODY SAMPLE LOG

NVL

NVL Batch Number 99-05452

Client: Schumacher & Associates, Inc.

Address: 4209 - 21st Avenue W., Suite 200
Seattle, WA 98199-1254

Client Job Number:

Total Samples: 5

Project Manager: Thea Ewing

Project Location: Everett port of Loading Dock Expansion

Phone Number: 206-301-8989 / Cell# 206-399-1002

Fax Number: 206-301-8992

Pager Number:

*Type of Analysis (check one)

ASBESTOS	LEAD (Pb)
☐ PCM(air)	☒ Paint Chips
☐ PLM(bulk)	☐ Soil
☐ OTHER,	☐ Dust/wipe
	☐ Air
	☐ TCLP

Turn Around Time (check one)

☐ 1- Hr ☐ 24 - Hrs ☒ 3 to 5 days
☐ 4 - Hrs ☐ 48 - Hrs

Condition of Package:

☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Clients Sample #	A/R	Seq. #	Lab ID	Clients Sample #	A/R
1	99039012	D-1		11			
2	13	D-2		12			
3	14	D-3		13			
4	15	D-4		14			
5	16	D-5		15			
6				16			
7				17			
8				18			
9				19			
10				20			

		DATE	TIME
Sampled By:		3/25/99	11
Relinquished By:			15:30
DELIVERED BY:			
Received By:	Barbara K. Floyd	3-23-99	15:30
Analyzed By:	EM	3/24/99	1:30pm
Results called in by:			
Results Faxed by:	EM	3/24/99	2:30pm

SPECIAL INSTRUCTIONS:

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

Facsimile Cover Sheet

To: Ed Fields
Company: URS Greiner
Phone: 206-674-1945
Fax: 206-674-1801

From: Thea Ewing
Company: Schumacher and Associates Inc.
Phone: 206-301-8989
Fax: 206-301-8992

Date: 04/05/99
Pages including this cover page: 2

Comments: Dear Ed, the samples taken from the roof all came back negative for asbestos. If you have any questions please call me, and the phone number for the contractor that does a lot of lead and asbestos work for the post office is Walker Specialty Construction Inc. (206) 361-8913 ask for Linda, Bill or Mark.

Thanks, Thea
Cell # (206) 399-1002