Tom Carson
Nathan Coffee
Sigrid Dahlberg
Gastineau Roof samples
Friday, January 13, 2012 12:41:38 PM
Med Tox report-Gastineau roof samples.pdf

Nathan,

Annotated lab report attached.

The sample above the boiler room had no asbestos.

The two samples from the main roof (please see the illustration I sent to you on Monday) both had a layer of asphaltic material with an asbestos-containing silver sealant on it. The silver sealant, if in good condition like in these samples, has been specifically identified by EPA as a non-regulated material. That was the only material that contained asbestos.

So, in the end, you are in the clear. No need to make roof removal an abatement project.

Tom



1/13/2012

Tom Carson Carson Dorn, Inc. 712 West 12th Street Juneau, Alaska 99801-1528

Re: Bulk Asbestos Sample Analysis for Med-Tox Northwest Laboratory Batch # 120011, L-3506(702)

Dear Mr. Carson,

Please find enclosed the test results for the bulk sample(s) submitted to our laboratory for evaluation of possible asbestos content. Unless otherwise stated in the report, all samples analyzed were in good condition upon receipt by the laboratory. Samples are held in archive for 1 year following analysis and then properly disposed of as hazardous waste.

Analysis was performed using polarized light microscopy (PLM) in accordance with Test Method US EPA/600/R-93/116. Representative portions of your sample(s) were prepared on glass slides and analyzed at magnifications of 100X to 400X using dispersion staining and/or Becke line techniques. Unless stated otherwise on your report, fiber content was quantified by calibrated visual estimation in accordance with the method.

Any comments the analyst may wish to make with regard to your sample(s) will appear as a note directly below the sample number on your report.

The Environmental Protection Agency (EPA) does not regulate materials containing <1% (less than one percent) asbestos. The regulatory level falls at the limit of detection for EPA/600/R-93/116. Variation in data increases as the quantity of asbestos decreases toward the limit of detection. Therefore, the EPA recommends point counting for samples containing between <1% and 10% asbestos (NESHAP, 40 CFR Part 61). If your analyst has not recommended a point count but you feel that a point count might be beneficial, please feel free to call and request one.

Please note, vinyl floor tiles may contain asbestos fibers too small to be detected by PLM. For this reason, negative results and results of <1% asbestos for vinyl floor tiles analyzed by US EPA/600/R-93/116 are not considered conclusive by the EPA. More sensitive methods of analysis such as electron microscopy are recommended for these samples.

The test results on this report refer only to the samples submitted. The accuracy with which these samples represent the materials *in situ* is totally dependent on the acuity of the person who took the samples.

This test report is not valid unless it bears the signature of a NVLAP approved signatory. Any reproduction of this document must include the entire document in order to be valid. Neither the NVLAP accreditation of this laboratory nor this report can be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Thank you for choosing Med-Tox Northwest laboratory services. If you have any questions regarding this report, please feel free to contact us.

Sincerely,

F, Jane)

Laboratory Manager

RVLAÐ

NVLAP Lab Code 102021-0

Med-Tox Northwest 1701 West Valley Highway North, Suite 1 Auburn, WA 98001

Phone (253) 351-0677 Fax (253) 351-0688 E-mail medtoxnw@msn.com



ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Carson Dorn, Inc. 712 West 12th Street Juneau, Alaska 99801-1528

Attention: Tom Carson

Project: GAS

Med-Tox NW Job #: L-3506(702) Laboratory Batch #: 120011 Date Received: 1/12/2012 Samples Received: 3 Date Analyzed: 1/13/2012 Samples Analyzed: 3

Client Project #: Not Specified

	Client					No	n-Asbestos	Non-Fibrous
Lab ID	Sample ID	Layer	Description	Asb	estos Fibers		Fibers	Components
120122	GAS-001	1	Black rubbery		None		None	Synthetic binder,
Roof cor	e above		material		detected		detected	fillers
boiler roo		2	Tan mastic		None		None	Adhesive
	5111				detected		detected	compound
		3	Black tar sheet		None	50%	Glass	Bituminous
					detected			compound
		4	Black tar sheet		None	50%	Cellulose	Bituminous
					detected			compound
120123	GAS-003	1	Black rubbery		None	30%	Synthetic	Synthetic binder,
Roof cor	e on main		material		detected			fillers
		2	Yellow mastic (on		None		None	Adhesive
roof			plywood surface)		detected		detected	compound
		3	Silver paint (under	3%	Chrysotile		None	Synthetic binder,
			plywood)				detected	fillers
		4	Black tar sheets		None	25%	Glass	Bituminous
					detected			compound
							Cellulose	
		5	Brown fibrous		None	100%	Cellulose	None detected
			material		detected			
		6	Black tar sheet		None	50%	Cellulose	Bituminous
					detected			compound
120124	GAS-004	1	Black rubbery		None	30%	Synthetic	Synthetic binder,
Roof core	e on main		material		detected			fillers
roof		2	Yellow mastic (on		None		None	Adhesive
			plywood surface)		detected		detected	compound
		3	Silver paint (under	3%	Chrysotile		None	Synthetic binder,
			plywood)				detected	fillers
		4	Black tar sheets		None	25%	Glass	Bituminous
	<i>.</i>				detected			compound
	(cont.)			1		25%	Cellulose	

Note: silver seal on asphaltic roof systems are not regulated materials.



ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Carson Dorn, Inc. 712 West 12th Street Juneau, Alaska 99801-1528 Med-Tox NW Job #: L-3506(702) Laboratory Batch #: 120011 Date Received: 1/12/2012 Samples Received: 3 Date Analyzed: 1/13/2012 Samples Analyzed: 3

Attention: Tom Carson

Project: GAS

Client Project #: Not Specified

Lab ID	Client Sample ID	Layer	Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Components
120124	GAS-004	5	Brown fibrous material	None detected	100% Cellulose	None detected
	5 - 	6	Black tar sheet	None detected	50% Cellulose	Bituminous compound

inalyzed by: Carol Evans

DR. Reviewed by Garol Evans, Laboratory Manager

Med-Tox Northwest 1701 West Valley Highway North, Suite 1 Auburn, WA 98001 M:\LAB\Reports - by Batch Number\1 - 2012 Reports\120001 - 120100\120011 Carson Dorn Page 2 of 2 Phone (253) 351-0677 Fax (253) 351-0688 E-mail medtoxnw@msn.com

			Chain o	n of Custody	Number of Samples:	<u>ო</u>	
170 Aub Tele	1701 West Valley Highway North, Suite 1 Auburn, Washington 98001 Telephone (253) 351-0677, Fax (253) 351-0688	th, Suite 1	Lab Batch Number	2001 / Archive Box No	X No.	MTNW Proj. No.	. L3506/7
L						-	
8	Company: Carson Dorn, Inc.	n, Inc.	¥	2	(Select metals from list)	🗆 🛛 Barium (Ba)	🗆 Nickel (Ni)
8	Report to: Tom Carson				🗆 Lead (Pb)	Benyllium (Be)	🗆 Selenium (Se)
t,	ة بد	712 West 12th Street			Priority pollutant (13)	Cadmium (Cd)	Silver (Ag)
City:	y: Juneau	State/Zip: AK 99801			🗆 TAL (23)	Chromium (Cr)	🗆 Thallium (Tl)
Ē	one: 907-586-4447	Phone: 907-586-4447	N S		Antimony (Sb)	Copper (Cu)	
8	Cell: 907-723-9769		_		🗆 Arsenic (As)	Mercury (Hg)	
Ш	Email: tcarson@carsondorn.com	arsondorn.com	TEM - AHERA	_		TPH-G (WA/OR)	418.1 (WA/OR)
Ĕ	Project Name:		•	D AK-GRO		TPH-D (WA/OR)	□ 413.2
		Designed No. (DO Number	TEM - NIOSH 7402	D AK-DRO	🗆 BETX (by 8020)	B015 Modified	
٤l	Ject No. / FO NULLINE				-		
2	Turn-Around Times	□ 2 work days	Organic Compound				
	□ 2 hours	□ 3 work davs	B240 GCMS volatile	□ 8140 OP pesticide	□ 8080 pesticide/PCB	Aromatic VOC	8010 Halogenated/VOC
		_					
		_	15			Other (Diesee enerify)	
	☐ Sattle day X 1 work day	Other		🗆 Bulk	🛛 Tape Lift		
	Sample ID		D Comments			Special Instructions	
	GAS-001	01 120	バズズ roof core, boiler room				
N N		03	ľN	cation 1			
10		<u>/</u> ///////////////////////////////////	72 roof core long roof lo	ation 2			** *********************************
2							
4				***************************************		*****	
Ŋ							
9			-				
~							
- α						*****	
1							
50							
<u> </u>			* •			*****	***************************************
Ξ					4 01 44 04 04 04 04 04 04 04 04 04 04 04 04	**/**/*********************************	
42							
<u>2</u>							
14		<u>A</u>					
15							
		Relinquished by:		Received by	Nr 21 3	Analyzed by	8 1. 4. 2
••	0 8	Print Name: Thomas G. C	Carson	Print Name	Charles and	Print Name	
	+						
,							