



10928 Eagle River Road, Suite 202
Eagle River AK 99577-8052

FAX

To:	Larry Grady	From:	Allen George
Company:	UAA	Company:	EHS-Alaska, Inc.
Fax:	786-6989	Fax:	694-1382
Date:	November 27, 1996	Telephone:	694-1383
Time:	11:58 AM	Reference:	Sample Results
Total Pages:	1		
		Project #:	3951-01-01

REMARKS: Urgent For your review Reply ASAP Please comment

Mr. Grady

Attached are the results for the samples collected on November 21, 1996 and November 22, 1996. Results are given in percent asbestos. ND indicates no asbestos was detected in the sample.

It was confirmed that the wormy ceiling tiles in the library contain asbestos (see letter dated Nov. 18, 1996). However, the newer ceiling tiles with the sqiggly design do not contain asbestos. It is estimated that 85 percent of the ceiling tiles in the library are of the wormy design and 15 percent are of the sqiggly design. Sampling was also reaccomplished on the fireproofing in Rm. 234A of K Building. Results indicated that no asbestos was identified in this fireproofing.

Results of the sampling accomplished on November 22, 1996 indicated that the fireproofing in the PAA Boiler Room contained asbestos. No asbestos was detected in the fireproofing of the PAA Fan Room, or K Building Boiler Room.

Please feel free to contact our office with questions or comments.

Al George
EHS-Alaska Inc.

ENVIRONMENTAL HAZARDS SERVICES, INC

7469 White Pine Road

Richmond, Virginia 23237

Phone: (804) 275-4788 Fax: (804) 275-4907

BULK ASBESTOS SAMPLE ANALYSIS SUMMARY

CLIENT: EHS Alaska, Inc. **DATE OF RECEIPT:** 26 NOV 1996
 10928 Eagle River Rd., Suite 202 **DATE OF ANALYSIS:** 26 NOV 1996
 Eagle River, AK 99577-8052 **DATE OF REPORT:** 26 NOV 1996

EHS PROJECT #: 11-96-2035 **PROJECT:** 3951-01-01

EHS SAMPLE#	CLIENT SAMPLE #/ LAB. GROSS DESCRIPTION	% ASBESTOS	OTHER MATERIALS
01	UAA1122-A01/ Gray Powder	3% Chrysotile 3% Total Asbestos	97% Non-Fibrous
02	UAA1122-A02/ Gray Powder	2% Chrysotile 2% Total Asbestos	98% Non-Fibrous
03	UAA1122-A03/ Gray Powder	3% Chrysotile 3% Total Asbestos	97% Non-Fibrous
04	UAA1122-A04/ Gray Powder, Fib.	NAD	15% Cellulose 5% Fibrous Glass 80% Non-Fibrous
05	UAA1122-A05/ Gray Powder, Fib.	NAD	15% Cellulose 5% Fibrous Glass 80% Non-Fibrous
06	UAA1122-A06/ Gray Powder, Fib.	NAD	15% Cellulose 5% Fibrous Glass 80% Non-Fibrous
07	UAA1122-A07/ Gray Powder, Fib.	NAD	40% Cellulose 60% Non-Fibrous
08	UAA1122-A08/ Gray Powder, Fib.	NAD	40% Cellulose 60% Non-Fibrous
09	UAA1122-A09/ Gray Powder, Fib.	NAD	40% Cellulose 60% Non-Fibrous

ENVIRONMENTAL HAZARDS SERVICES, INC

EHS PROJECT #: 11-96-2035 PROJECT: 3951-01-01

Method: Polarized Light Microscopy, EPA Method 600/R-93/116

Standards: The current OSHA Standard is one percent (1%) by weight.

Analyst: Feng Jiang, M.S.

Reviewed by: 
L. Miller-Buie, Environmental Geologist

NVLAP ACCREDITATION #1882

AIHA ACCREDITATION #412

NOTE: Results represent the analysis by Environmental Hazards Services, Inc., of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, Inc.

Environmental Hazards Services, Inc. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy ((TEM), for enhanced detection capabilities) for materials regulated by the EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

NAD = No Asbestos Detected
SCF = Suspected Ceramic Fibers

newrep.wps/06SEP96/LSB

- PAGE 02 of 02 -- END OF REPORT --



EHS ALASKA
INCORPORATED

EHS 11-96-2035

Environment... Alaska, Inc.
10928 Eagle River Road, Suite 202, Eagle River, AK 99577-8052
(907) 694-1383 • (907) 694-1382 fax

CHAIN OF CUSTODY RECORD/FIELD SURVEY DATA

Page 1 of 2

FIELD COLLECTION DATE: 11/22/96	JOB #: 3957-01-01	MATERIAL TYPE: (circle) ASBESTOS LEAD	TOTAL QUANTITIES: 9
PROJECT NAME: UAA Facilities		BULK ANALYSIS REQUESTED: (circle) PLM / PLM DUST / TEM BULK / LEAD TCLF / LEAD PPM	
FACILITY: PAA Boiler/Hall K-Boiler		DISPOSAL: normal	TURNAROUND: 3 days

SPECIAL INSTRUCTIONS:

COLLECTED BY (signature) ALLEN GEORGE PRINTED NAME T-51532 CERT# SHIPPING METHOD Priority mail COURIER (signature) DATE/TIME 11-22-96 5 PM	ENVIRO HAZARD SERVICES, PA SELECTED LABORATORY SAMPLES ACCEPTED BY E.H.S. DATE/TIME ANALYST'S SIGNATURE DATE	COMMENTS:
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SAMPLE ID	SAMPLE DESCRIPTION (COLOR, MATERIAL TYPE, LAYERS, FRIABILITY)	LOCATION/COMMENTS (INCLUDING PHOTOGRAPH)	RESULTS
UAA1122-A01 MATERIAL CONDITION: GOOD FAIR POOR DAMAGE POTENTIAL: (G, O, MED, H) WATER: AIR: VIBRATION: CONTACT:	White Fireproofing	PAA Boiler Rm East side PICTURES 7-12	39% C
UAA1122-A02 MATERIAL CONDITION: GOOD FAIR POOR DAMAGE POTENTIAL: (G, O, MED, H) WATER: AIR: VIBRATION: CONTACT:	White Fireproofing	PAA Boiler Rm East side	82% C
UAA1122-A03 MATERIAL CONDITION: GOOD FAIR POOR DAMAGE POTENTIAL: (G, O, MED, H) WATER: AIR: VIBRATION: CONTACT:	White Fireproofing	PAA Boiler Rm East side	30% C
UAA1122-A04 MATERIAL CONDITION: GOOD FAIR POOR DAMAGE POTENTIAL: (G, O, MED, H) WATER: AIR: VIBRATION: CONTACT:	GREY Fireproofing	PAA Fan Rm East wall 12, 13, 14 → photos	N/D
UAA1122-A05 MATERIAL CONDITION: GOOD FAIR POOR DAMAGE POTENTIAL: (G, O, MED, H) WATER: AIR: VIBRATION: CONTACT:	GREY Fireproofing	PAA Fan Rm East wall	ND
UAA1122-A06 MATERIAL CONDITION: GOOD FAIR POOR DAMAGE POTENTIAL: (G, O, MED, H) WATER: AIR: VIBRATION: CONTACT:	GREY Fireproofing	PAA Fan Rm East wall	ND
UAA1122-A07 MATERIAL CONDITION: GOOD FAIR POOR DAMAGE POTENTIAL: (G, O, MED, H) WATER: AIR: VIBRATION: CONTACT:	GREY Fireproofing	K Building Boiler Rm. west wall	ND
UAA1122-A08 MATERIAL CONDITION: GOOD FAIR POOR DAMAGE POTENTIAL: (G, O, MED, H) WATER: AIR: VIBRATION: CONTACT:	GREY Fireproofing	K Building Boiler Rm. west wall	ND

****RETURN A SIGNED COPY OF THIS FORM WITH THE FINAL REPORT TO EHS-ALASKA****



Environmental Health Sciences-Alaska, Inc.
 10928 Eagle River Road, Suite 202, Eagle River, AK 99577-8052
 (907) 694-1383 • (907) 694-1382 fax

FIELD SURVEY DATA (continued)			Page 2 of 2
PROJECT NAME: UAA Facilities		FACILITY: PAA Boiler / HALL, K - Boiler	
JOB NUMBER: 3951-01-01		DATE: 11/22/96	COLLECTED BY: AB
SAMPLE ID	SAMPLE DESCRIPTION, (COLOR, MATERIAL TYPE, LAYERS, FRIABILITY)	LOCATION/COMMENTS (INCLUDING PHOTO/VIDEO)	RESULTS
UAA122-A09	GREY FIRE PROOFING	K. Building Boiler RM West wall	ND
MATL. CONDITION: GOOD FAIR POOR	WATER: DAMAGE POTENTIAL: (L.O., MED., HI) AIR: VIBRATION: CONTACT:		
MATL. CONDITION: GOOD FAIR POOR	WATER: DAMAGE POTENTIAL: (L.O., MED., HI) AIR: VIBRATION: CONTACT:		
MATL. CONDITION: GOOD FAIR POOR	WATER: DAMAGE POTENTIAL: (L.O., MED., HI) AIR: VIBRATION: CONTACT:		
MATL. CONDITION: GOOD FAIR POOR	WATER: DAMAGE POTENTIAL: (L.O., MED., HI) AIR: VIBRATION: CONTACT:		
MATL. CONDITION: GOOD FAIR POOR	WATER: DAMAGE POTENTIAL: (L.O., MED., HI) AIR: VIBRATION: CONTACT:		
MATL. CONDITION: GOOD FAIR POOR	WATER: DAMAGE POTENTIAL: (L.O., MED., HI) AIR: VIBRATION: CONTACT:		
MATL. CONDITION: GOOD FAIR POOR	WATER: DAMAGE POTENTIAL: (L.O., MED., HI) AIR: VIBRATION: CONTACT:		
MATL. CONDITION: GOOD FAIR POOR	WATER: DAMAGE POTENTIAL: (L.O., MED., HI) AIR: VIBRATION: CONTACT:		
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MATL. CONDITION: GOOD FAIR POOR	WATER: DAMAGE POTENTIAL: (L.O., MED., HI) AIR: VIBRATION: CONTACT:		
MATL. CONDITION: GOOD FAIR POOR	WATER: DAMAGE POTENTIAL: (L.O., MED., HI) AIR: VIBRATION: CONTACT:		
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MATL. CONDITION: GOOD FAIR POOR	WATER: DAMAGE POTENTIAL: (L.O., MED., HI) AIR: VIBRATION: CONTACT:		
MATL. CONDITION: GOOD FAIR POOR	WATER: DAMAGE POTENTIAL: (L.O., MED., HI) AIR: VIBRATION: CONTACT:		

Test Report
Polarized Light Analysis Results
Project AOC611003

Sample Number / Sample Appearance	Client Sample Number	Cryochrome	Amosite	Crocidolite	Tremolite	Actinolite	Calcic	Asbestos			Nonasbestos			Rec. Date
								Mineral	Wool	Class	Fibers	Fibers	Material	
0565709BHPL Worn Ceiling Tile (Tan/White)	UAA1121-AC	2%	-	-	-	-	-	90%	-	-	-	3%	11/25/96 RTW	
Sample Location: Lib. Behind the Desk														
0565710BHPL Spiggle Ceiling Tile (Tan/White)	UAA1121-AC2	-	-	-	-	-	31%	60%	-	-	-	10%	11/25/96 BFW	
Sample Location: Lab - S.E. Side														
0565711BHPL Grey Fireproofing	UAA1121-AC3	-	-	-	-	-	5%	-	15%	-	-	20%	11/25/96 RTW	
Sample Location: K Building Rm. 234A														
0565712BHPL Grey Fireproofing	UAA1121-AC4	-	-	-	-	-	15%	-	15%	-	-	21%	11/25/96 RTW	
Sample Location: K Building Rm. 214A														
0565713BHPL Grey Fireproofing	UAA1121-AC5	-	-	-	-	-	15%	-	15%	-	-	20%	11/25/96 RTW	
Sample Location: X Building Rm. 234A														

Post-It Fax Note	7671	Date	11/25/96
To: Mr. Alvin G. Gandy		From:	RTW
Subject: AOC611003		On:	11/25/96
Phone:		Phone:	
Fax:		Fax:	

Sizes received on: Monday, November 25, 1996

RJ Lee Group, Inc.
Headquarters

350 Hochberg Road
Monroeville, PA 15146

Page: 1 of 1

Authorized Signature: _____
Date: _____

Zbarana J. Woodside, Microscopist
Monday, November 25, 1996

Phone: (412) 325-1776
Fax: (412) 733-1799