PCM Analytics, Inc.
4512 Sheridan St.
Riverdale, MD 20737
301-209-2996

TRANSMITTAL SHEET

To: James Hodges, GSA Safety
CC: Trish Gretsky, GSA Safety, Ken Tunney, Interior, Larry Reed, EDS, Inc.
FROM: Brian K. Kasher
RE: Cafeteria POST Encapsulation TEM Sample Set - Pass
Date: 11-14 -02

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Lab Results	4

Attached is the second set of TEM clearance sample results for the Interior Department cafeteria. The sample set has passed the clearance criteria. No sample exceeded the USEPA AHERA pass criterion of 70 structures per millimeter squared asbestos. One additional set of TEM air samples will be collected in the Cafeteria after the Cafeteria air system has run approximately 2 hours.

EMSL Analytical, Inc.

10768 Baltimore Avenue
Beltsville, MD 20705
Phone: (301) 937-5700 Fax: (301) 937-5701

Attn.: Brian Kasher
PCM Analytics
4612 Sheridan Street
Riverdale, MD 20737

Wednesday, November 13, 2002

Ref Number: MD025944

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Project: Department Of Interior

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5µ - < 5µ	# STRUCTURES ≥ 5µ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
BK111301	1215.00	None Detected			0	0.0645	0.0049	<15.50	<0.0049
BK111302	1215.00	Chrysotile	1		0	0.0645	0.0049	15.50	0.0049
BK111303	1215.00	None Detected			0	0.0645	0.0049	<15.50	<0.0049
BK111304	1215.00	None Detected			0	0.0645	0.0049	<15.50	<0.0049
BK111305	1215.00	None Detected			0	0.0645	0.0049	<15.50	<0.0049
BK111306	1215.00	None Detected			0	0.0645	0.0049	<15.50	<0.0049

George P. Malone Jr.
Analyst

Approved Signatory

Disclaimers: This laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This laboratory is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysts' accuracy and precision) is available upon request.

Accredited for NVLAP, PLM/TEM #100783, WV Lic #LT800053, VA Lic #3333-000205

EMSL Analytical, Inc.

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Attn.: Brian Kasher
PCM Analytics
4512 Sheridan Street
Riverdale, MD 20737

Wednesday, November 13, 2002

Ref Number: MD025844

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Project: Department Of Interior

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5µ - < 5µ	# STRUCTURES ≥ 5µ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
BK111307	1215.00	None Detected			0	0.0645	0.0049	<15.50	<0.0049
BK111308	1215.00	None Detected			0	0.0645	0.0049	<15.50	<0.0049
BK111309	1215.00	Chrysotile	1		0	0.0645	0.0049	15.50	0.0049
BK111310	1215.00	None Detected			0	0.0645	0.0049	<15.50	<0.0049
BK111311	1215.00	None Detected			0	0.0645	0.0049	<15.50	<0.0049
BK111313	1215.00	None Detected			0	0.0645	0.0049	<15.50	<0.0049

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Ref Number: MD025944

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Project: Department Of Interior

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5µ - < 5µ	≥ 5µ	Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	(S/cc)
BK111314	1215.00	None Detected			0	0.0645	0.0049	<15.50	<0.0049

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Analyst

Approved Signatory

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Accredited for NVLAP PLM/TEM #200293, WV Lic # LT000053, VA Lic #0033-000205

PCM Analytics, Inc.

Working for Healthy Environments

(301)209-2996 (301) 209-2997 (FAX)

LABORATORY SAMPLE CHAIN-OF-CUSTODY

PROJECT NAME: Depart Of Interior **LOCATION:** Cafeteria

COLLECTED BY: Brian K. Kasher **Date:** 11/13/02

RECEIVED BY: _____ **Date:** _____

TURN AROUND	MATRIX	ASBESTOS	LEAD	OTHER
( ) Same Day	(X) Air	( ) PLM (EPA600)	( ) Air – NIOSH 7082	( ) Mold
(X) 8 Hours	( ) Bulk	( ) Point Count	( ) Wipe – SW846-7420	( ) Bacteria
( ) 24 Hour	( ) Paint Chips	( ) PCM (NIOSH 7400)	( ) Soil – SW846-7420	( ) Polychlorinated biphenyls
( ) 48 Hour	( ) Soil	(X) TEM AHERA	( ) Chips – SW846-7420	( ) Dust
( ) 72 Hour	( ) Waste	( )	( ) Waste TCLP – SW846-1311/7420	( ) Organic Hydrocarbons
( ) 10 Days	( ) Wipe	( ) Other:	( ) Drinking Water - EPA239.2	( ) Other:

Date	Sample Number	Time On/ Time Off	Flow Rate	Total Volume	Sample Identification	Cassette
11/13/02	BK111301	2:15-4:30	9	1215	Main Dining Hall NE	0.45 MCE 25mm
11/13/02	BK111302	2:16-4:31	9	1215	Main Dining Hall NW	0.45 MCE 25mm
11/13/02	BK111303	2:17-4:32	9	1215	Main Dining Hall SW	0.45 MCE 25mm
11/13/02	BK111304	2:18-4:33	9	1215	Main Dining Hall SE	0.45 MCE 25mm
11/13/02	BK111305	2:19-4:34	9	1215	Office Supply Store Manager Office	0.45 MCE 25mm
11/13/02	BK111306	2:20-4:35	9	1215	Office Supply Store SE	0.45 MCE 25mm
11/13/02	BK111307	2:21-4:36	9	1215	South Dining Area West	0.45 MCE 25mm
11/13/02	BK111308	2:22-4:37	9	1215	South Dining Area East	0.45 MCE 25mm
11/13/02	BK111309	2:23-4:38	9	1215	Cafeteria South Hall	0.45 MCE 25mm
11/13/02	BK111310	2:24-4:39	9	1215	Cafeteria West Hall	0.45 MCE 25mm
11/13/02	BK111311	2:25-4:40	9	1215	Cafeteria North Hall	0.45 MCE 25mm
~~11/13/02~~	~~BK111312~~	~~2:26-4:41~~	~~9~~	~~1215~~	~~Cafeteria East Hall~~ Not Collected	~~0.45 MCE 25mm~~
11/13/02	BK111313	2:27-4:42	9	1215	Vendor Stand South Café Entry	0.45 MCE 25mm
11/13/02	BK111314	2:28-4:43	9	1215	Vendor Stand North Café Entry	0.45 MCE 25mm
11/13/02	QA Blank1	NA	NA	NA	QA Field Blank	0.45 MCE 25mm
11/13/02	QA Blank2	NA	NA	NA	QA Field Blank	0.45 MCE 25mm
11/13/02	QA Blank3	NA	NA	NA	QA Lab Blank	0.45 MCE 25mm

NOTE: Analyze blanks if any sample exceeds 70 S/mm² asbestos

Received at Laboratory by: _____ DATE: 11/13/02 @ 1730hrs

4512 Sheridan Street, Riverdale, Maryland 20737

Initials+month/day+sample number