MD001798

EMSL ANALYTICAL CHAIN OF CUSTODY ASBESTOS

EMSL Representative:			
Your Company Name:	Tidewater, Inc.	EMSL-Bill to:	Same
Street:	8950 Br 103 E	Street:	
Box #:	Suite 100	Box #:	
City/State:	Columbia MD Zip: 21045	City/State:	Zip:
Verbal Results to:	Prasad Dissanayake	Fax Results to:	Prasad
Telephone #:	(410) 997 -	Fax #:	(410) 997 - 8713
Project Name/Number:		Purchase Order #	

MATRIX

- [x] Air
- [ ] Floor Tile
- [ ] Soil
- [ ] Wipe
- [ ] Bulk
- [ ] Drinking Water
- [ ] Dust
- [ ] Wastewater

TURNAROUND TIME

- [x] 6 Hours
- [ ] 3 Days before 2p
- [ ] 3 Hour**
- [ ] 5 Days
- [ ] 24 Hours
- [ ] 6-10 Days
- [ ] 48 Hours
- [ ] Same Day***

**Must call Lab for approval

*** 10:00AM delivery results by Mid-night or earlier

PCM
- [ ] NIOSH 7400
- [ ] OSHA
- [ ] Other:

TEM AIR
- [x] AHERA
- [ ] NIOSH 7402
- [ ] Level I
- [ ] Level II

PLM BULK (regular bulk)
- [ ] EPA 600
- [ ] NOB
- [ ] Point Count
- [ ] Other:

SEM
- [ ] Qualitative
- [ ] Quantitative

TEM BULK
- [ ] Drop Mount (Qualitative)
- [ ] Chatfield
- [ ] Chatfield / SEM QC
- [ ] Conventional (Quantitative)
- [ ] EMSL Method
- [ ] NOB
- [ ] NOB / SEM QC
- [ ] Micro Vac - Quantitative
- [ ] Micro Vac - Qualitative

TEM WATER
- [ ] Wastewater
- [ ] Drinking Water EPA 100.1
- [ ] Water - NY Wastewater
- [ ] Water-NY Drinking Water

TEM WIPE
- [ ] Quantitative
- [ ] Qualitative

XRD
- [ ] Asbestos
- [ ] Silica

- [ ] OTHER
- [ ] COMMENTS

Client Sample # (s)				Total Samples:	9
Relinquished:	[illegible]	Date:	4/27/00	Time:	5:00 pm
Received:	J. Harris	Date:	4/28/00	Time:	8:30
Received:		Date:		Time:	

SAMPLE DATE	SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
4/27/00	042700-01	Penthouse / Pump Hse Side (South)	1260L
	042700-02	Penthouse / Middle	
	042700-03	Penthouse / North end	
	042700-04	Penthouse / Middle	
	042700-05	Rm# 10002	
	042700-06	Rm# 10025	
	042700-07	Rm# 10201	
	042700-08	Rm# 102BG	
4/27/00	042700-09	Field Blank	1260L

TIDEWATER, Inc.

8950 Route 108, Suite 100; Columbia, Maryland 21045 (410) 997-4458 Fax: (410) 997-8713

FAX COVER SHEET

DATE: 4/27/00

No. of Pages (Including Cover Sheet) 4

TO (FIRM'S NAME): GSA- NCR

FAX NUMBER: 202-708-6618

ATTENTION: Tim Sleeth

FROM: Richard Yim

PROJECT NAME: NEOB TEMs

PROJECT NO.:

MESSAGE:

OPERATOR:

Hard copy to follow by Mail: YES _____ NO _____

EMSL Analytical, Inc.

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

EMSL

Attn.: Prasad
Tidewater Env. Engineering, Inc.
8950 Route 108
Suite 100
Columbia, MD 21045

Thursday, April 27, 2000

Ref Number: MD001785

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

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)
042600-01	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-02	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-03	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-04	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-05	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-06	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
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 analysis' accuracy and precision) is available upon request.

Accredited for NVLAP PLM/TEM #200283 WV Lic # LT000063

EMSL Analytical, Inc.

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

EMSL

Attn.: Prasad
Tidewater Env. Engineering, Inc.
8950 Route 108
Suite 100
Columbia, MD 21045

Thursday, April 27, 2000

Ref Number: MD001785

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

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)
042600-07	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-08	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-09	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-10	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
Analyst

Approved
Signatory

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Accredited for NVLAP PLM/TEM #200293 WV Lic.# LT000053

MD001785

EMSL ANALYTICAL CHAIN OF CUSTODY ASBESTOS

EMSL Representative:			
Your Company Name:	Tidewater Inc	EMSL-Bill to:	Same
Street:	8950 Dr 102 E	Street:	
Box #:	Suite 100	Box #:	
City/State:	Columbia MD Zip: 21045	City/State:	Zip:
Verbal Results to:	Prasad	Fax Results to:	Prasad
Telephone #:	(410) 997-9458	Fax #:	(410) 997-8713
Project Name/Number:		Purchase Order #	

MATRIX

- [x] Air
- [ ] Bulk
- [ ] Floor Tile
- [ ] Drinking Water
- [ ] Soil
- [ ] Dust
- [ ] Wipe
- [ ] Wastewater

TURNAROUND TIME

- [x] 6 Hours
- [ ] 3 Days
- [ ] 3 Hour**
- [ ] 5 Days
- [ ] 24 Hours
- [ ] 6-10 Days
- [ ] 48 Hours
- [ ] Same Day***

**Must call Lab for approval

*** 10:00AM delivery results by Mid-night or earlier

PCM
- [ ] NIOSH 7400
- [ ] OSHA
- [ ] Other:

TEM AIR
- [x] AHERA
- [ ] NIOSH 7402
- [ ] Level I
- [ ] Level II

PLM BULK (regular bulk)
- [ ] EPA 600
- [ ] NOB
- [ ] Point Count
- [ ] Other:

SEM
- [ ] Qualitative
- [ ] Quantitative

TEM BULK
- [ ] Drop Mount (Qualitative)
- [ ] Chatfield
- [ ] Chatfield / SEM QC
- [ ] Conventional (Quantitative)
- [ ] EMSL Method
- [ ] NOB
- [ ] NOB / SEM QC
- [ ] Micro Vac - Quantitative
- [ ] Micro Vac - Qualitative

TEM WATER
- [ ] Wastewater
- [ ] Drinking Water EPA 100.1
- [ ] Water - NY Wastewater
- [ ] Water-NY Drinking Water

TEM WIPE
- [ ] Quantitative
- [ ] Qualitative

XRD
- [ ] Asbestos
- [ ] Silica

- [ ] OTHER
- [ ] COMMENTS

Client Sample # (s)

Total Samples: 10

Relinquished:	[signature]	Date: 4/27/00	Time: 9:30
Received:	[signature]	Date: 4/27/00	Time: 9:30
Received:		Date:	Time:

SAMPLE DATE	SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
~~042600~~ 4/26/00	092600 - 01	Rm # 7202	1200 L
	092600 - 02	Rm # 7235	
	092600 - 03	Rm # 8002	
	092600 - 04	Rm # 8025 (OMB)	
	092600 - 05	Rm # 8201	
	092600 - 06	Rm # 8236	
	092600 - 07	Rm # 9001	
	092600 - 08	Rm # 9026	
	092600 - 09	Rm # 9202	
	092600 - 10	Rm # 9235	1200 L

TIDEWATER, Inc.

8950 Route 108, Suite 100; Columbia, Maryland 21045 (410) 997-4458 Fax: (410) 997-8713

FAX COVER SHEET

DATE: 4/26/00

No. of Pages (Including Cover Sheet) 4

TO (FIRM'S NAME): GSA-NCR

FAX NUMBER: 202-708-6618

ATTENTION: Tim Sleeth T.S. 4/26/00

FROM: Richard Yim

PROJECT NAME: NEOB TEMs

PROJECT NO.:

MESSAGE:

OPERATOR:

Hard copy to follow by Mail: YES _____ NO _____

EMSL Analytical, Inc.

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

EMSL

Attn.: Prasad Dissanayake
Tidewater Env. Engineering, Inc.
8950 Route 108
Suite 100
Columbia, MD 21045

Wednesday, April 26, 2000

Ref Number: MD001770

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

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)
042500-01	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-02	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-03	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-04	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-05	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-06	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
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 BULK/TEM #200293 NVLAP Lic # T000053

EMSL Analytical, Inc.

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

EMSL

Attn.: Prasad Dissanayake
Tidewater Env. Engineering, Inc.
8950 Route 108
Suite 100
Columbia, MD 21045

Wednesday, April 26, 2000

Ref Number: MD001770

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

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5μ - < 5μ	# STRUCTURES ≥ 5μ	# STRUCTURES Non-Asbestos	Area Analyzed (mm^2)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm^2)	Asbestos Concentration (S/cc)
042500-07	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-08	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-09	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-10	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
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/mm^2. 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 #200293, WV Lic #LT000053

MD001770

EMSL ANALYTICAL CHAIN OF CUSTODY ASBESTOS

EMSL Representative:			
Your Company Name:	Tidewater, Inc.	EMSL-Bill to:	Same
Street:	8950 Rte 108 E	Street:	
Box #:	Suite 100	Box #:	
City/State:	Columbia, MD Zip: 21045	City/State:	Zip:
Verbal Results to:	Prasad Dissanayake	Fax Results to:	Prasad
Telephone #:	(410) 997-4958	Fax #:	(410) 997-8713
Project Name/Number:		Purchase Order #	

MATRIX

- [x] Air
- [ ] Bulk
- [ ] Floor Tile
- [ ] Drinking Water
- [ ] Soil
- [ ] Dust
- [ ] Wipe
- [ ] Wastewater

TURNAROUND TIME

- [x] 6 Hours
- [ ] 3 Days
- [ ] 3 Hour**
- [ ] 5 Days
- [ ] 24 Hours
- [ ] 6-10 Days
- [ ] 48 Hours
- [ ] Same Day***

**Must call Lab for approval

*** 10:00AM delivery results by Mid-night or earlier

PCM
- [ ] NIOSH 7400
- [ ] OSHA
- [ ] Other:

TEM AIR
- [x] AHERA
- [ ] NIOSH 7402
- [ ] Level I
- [ ] Level II

PLM BULK (regular bulk)
- [ ] EPA 600
- [ ] NOB
- [ ] Point Count
- [ ] Other:

SEM
- [ ] Qualitative
- [ ] Quantitative

TEM BULK
- [ ] Drop Mount (Qualitative)
- [ ] Chatfield
- [ ] Chatfield / SEM QC
- [ ] Conventional (Quantitative)
- [ ] EMSL Method
- [ ] NOB
- [ ] NOB / SEM QC
- [ ] Micro Vac - Quantitative
- [ ] Micro Vac - Qualitative

TEM WATER
- [ ] Wastewater
- [ ] Drinking Water EPA 100.1
- [ ] Water - NY Wastewater
- [ ] Water-NY Drinking Water

TEM WIPE
- [ ] Quantitative
- [ ] Qualitative

XRD
- [ ] Asbestos
- [ ] Silica

- [ ] OTHER
- [ ] COMMENTS Results by 2:00PM 4/26

Client Sample # (s) Total Samples: 10

Relinquished: Date: Time:

Received: J. Harris Date: 4/25 Time: 4:55

Received: Date: Time:

SAMPLE DATE	SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
4/25/00	042500-01	Rm# 5002	1200 L
	042500-02	Rm# 5026	
	042500-03	Rm# 5202	
	042500-04	Rm# 5235	
	042500-05	Rm# 6001	
	042500-06	Rm# 6025	
	042500-07	Rm# 6201	
	042500-08	Rm# 6236	
	042500-09	Rm# 7001	
4/25/00	042500-10	Rm# 7026	1200 L

TIDEWATER, Inc.

8950 Route 108, Suite 100; Columbia, Maryland 21045 (410) 997-4458 Fax: (410) 997-8713

FAX COVER SHEET

DATE: 4/24/00

No. of Pages (Including Cover Sheet) ~~3~~ 4

TO (FIRM'S NAME): GSA

FAX NUMBER: 202-708-6618

ATTENTION: Tim Sleth T.S./WPYG 4/24/00

FROM:

PROJECT NAME:

PROJECT NO.:

MESSAGE:

OPERATOR: Fawn

Hard copy to follow by Mail: YES _____ NO _____

EMSL ANALYTICAL

CHAIN OF CUSTODY ASBESTOS

EMSL Representative:			
Your Company Name:	Tidewater Inc	EMSL-Bill to:	Same
Street:	8950 Rte 108 E	Street:	
Box #:	Suite 100	Box #:	
City/State:	Columbia, MD Zip: 21045	City/State:	Zip:
Verbal Results to:	Prasad Dissanayake	Fax Results to:	Prasad
Telephone #:	(410) 997-4458	Fax #:	(410) 997-8713
Project Name/Number:		Purchase Order #	

MATRIX

- [x] Air
- [ ] Floor Tile
- [ ] Soil
- [ ] Wipe
- [ ] Bulk
- [ ] Drinking Water
- [ ] Dust
- [ ] Wastewater

TURNAROUND TIME

- [x] 6 Hours
- [ ] 3 Hour**
- [x] 24 Hours
- [ ] 48 Hours
- [ ] 3 Days
- [ ] 5 Days
- [ ] 6-10 Days
- [ ] Same Day***

**Must call Lab for approval

*** 10:00AM delivery results by Mid-night or earlier

PCM
- [ ] NIOSH 7400
- [ ] OSHA
- [ ] Other:

TEM AIR
- [x] AHERA
- [ ] NIOSH 7402
- [ ] Level I
- [ ] Level II

PLM BULK (regular bulk)
- [ ] EPA 600
- [ ] NOB
- [ ] Point Count
- [ ] Other:

SEM
- [ ] Qualitative
- [ ] Quantitative

TEM BULK
- [ ] Drop Mount (Qualitative)
- [ ] Chatfield
- [ ] Chatfield / SEM QC
- [ ] Conventional (Quantitative)
- [ ] EMSL Method
- [ ] NOB
- [ ] NOB / SEM QC
- [ ] Micro Vac - Quantitative
- [ ] Micro Vac - Qualitative

TEM WATER
- [ ] Wastewater
- [ ] Drinking Water EPA 100.1
- [ ] Water - NY Wastewater
- [ ] Water-NY Drinking Water

TEM WIPE
- [ ] Quantitative
- [ ] Qualitative

XRD
- [ ] Asbestos
- [ ] Silica

- [ ] OTHER
- [ ] COMMENTS

Client Sample # (s) NEOB-01 NEOB-10 Total Samples: 10

Relinquished: [signature] Date: 4/21/00 Time: 345pm

Received: [signature] Date: 4/21/00 Time: 1545

Received: Date: Time:

SAMPLE DATE	SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
4/21/00	NEOB-01	Rm# SB-214	1200 L
	NEOB-02	Rm adj to SB-235	
	NEOB-03	Rm# SB-223	
	NEOB-04	Rm# 3001	
	NEOB-05	Rm# 3026 / Far Rt corner	
	NEOB-06	Rm# 3026 / middle of Rm. Area	
	NEOB-07	~~Computer Area for emp by Rm# 3236~~ → Rm# 3202	
	NEOB-08	Rm# 4013 (Conference Rm)	
	NEOB-09	Rm# 4002 (middle of area)	
4/21/00	NEOB-10	Rm# 4224 (Computer Room)	1200 L

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

Attn.:
Tidewater Env. Engineering, Inc.
8950 Route 108
Suite 100
Columbia, MD 21045

Saturday, April 22, 2000

Ref Number: MD001732

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

Project: Samples NEOB-01 to NEOB-10

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)
NEOB-07	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-08	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-09	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-10	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
Analyst

Approved Signatory

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Accredited for NVLAP PLM/TEM #200293, WV Lic.# LT000063

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

Attn.:
Tidewater Env. Engineering, Inc.
8950 Route 108
Suite 100
Columbia, MD 21045

Saturday, April 22, 2000

Ref Number: MD001732

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

Project: Samples NEOB-01 to NEOB-10

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)
NEOB-01	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-02	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-03	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-04	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-05	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-06	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
Analyst

Approved Signatory

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Accredited for NVLAP PLM/TEM #200293, WV Lic.# LT000053

cc: WPW

TIDEWATER, Inc.

8950 Route 108, Suite 100; Columbia, Maryland 21045 (410) 997-4458 Fax: (410) 997-8713

FAX COVER SHEET

DATE: 4/21/00

No. of Pages (Including Cover Sheet) 4

TO (FIRM'S NAME): GSA

FAX NUMBER: 202-708-6618

ATTENTION: Tim Sleeth T.S./WPYG 4/21/00

FROM: Tidewater/Richard Yum

PROJECT NAME:

PROJECT NO.:

MESSAGE:

OPERATOR: Faith

Hard copy to follow by Mail: YES _____ NO _____

EMSL Analytical, Inc.

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

Attn.: Richard Yin
Tidewater Env. Engineering, Inc.
8950 Route 108
Suite 100
Columbia, MD 21045

Thursday, April 20, 2000

Ref Number: MD001706

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

Project: New Executive Office Bldg.

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)
NEOB-1	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-2	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-3	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-4	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-5	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-6	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
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 #200293 WV Lic. # LT000053

EMSL Analytical, Inc.

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

Attn.: Richard Yin
Tidewater Env. Engineering, Inc.
8950 Route 108
Suite 100
Columbia, MD 21045

Thursday, April 20, 2000

Ref Number: MD001706

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

Project: New Executive Office Bldg.

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)
NEOB-7	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-8	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-9	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-10	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
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 #200293, WV Lic.# LT000053

MD001706

EMSL ANALYTICAL

CHAIN OF CUSTODY ASBESTOS

EMSL Representative:
Your Company Name: Tidewater
Street: 6950 Route 108
Box #:
City/State: Baltimore, Md. Zip: 21045
Verbal Results to: Richard Yin
Telephone #: 410-997-4458
Project Name/Number: New Executive Office Build.

EMSL-Bill to:
Street:
Box #:
City/State: Zip:
Fax Results to:
Fax #:
Purchase Order #

MATRIX
- ☐ Air ☐ Floor Tile ☐ Soil ☐ Wipe
- ☐ Bulk ☐ Drinking Water ☐ Dust ☐ Wastewater

TURNAROUND TIME
- ☑ 6 Hours ☐ 3 Hour** ☐ 24 Hours ☐ 48 Hours
- ☐ 3 Days ☐ 5 Days ☐ 6-10 Days ☐ Same Day***

**Must call Lab for approval

*** 10:00AM deliver results by Mid-nigh or earlier

PCM
- ☐ NIOSH 7400
- ☐ OSHA
- ☐ Other:

TEM AIR
- ☒ AHERA
- ☐ NIOSH 7402
- ☐ Level I
- ☐ Level II

PLM BULK (regular bulk)
- ☐ EPA 600
- ☐ NOB
- ☐ Point Count
- ☐ Other:

SEM
- ☐ Qualitative
- ☐ Quantitative

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield
- ☐ Chatfield / SEM QC
- ☐ Conventional (Quantitative)
- ☐ EMSL Method
- ☐ NOB
- ☐ NOB / SEM QC
- ☐ Micro Vac - Quantitative
- ☐ Micro Vac - Qualitative

TEM WATER
- ☐ Wastewater
- ☐ Drinking Water EPA 100.1
- ☐ Water - NY Wastewater
- ☐ Water-NY Drinking Water

TEM WIPE
- ☐ Quantitative
- ☐ Qualitative

XRD
- ☐ Asbestos
- ☐ Silica

☐ OTHER
☐ COMMENTS

Client Sample # (s) Total Samples:
Relinquished: [signature] Date: 4/20/00 Time: 1700
Received: [signature] Date: 4/20/00 Time: 17:00
Received: Date: Time:

SAMPLE DATE	SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
4-20-00	NEOB-1	Library 1st floor	1200 L
4-20-00	NEOB-2	G-202A	
4-20-00	NEOB-3	Secret Service Lock room 1st floor	
4-20-00	NEOB-4	Cafeteria 2nd floor	
4-20-00	NEOB-5	Room 2008 (Gym)	
4-20-00	NEOB-6	Room 2020 Military office	
4-20-00	NEOB-7	Room 2200A	
4-20-00	NEOB-8	Through fair / walkway	
4-20-00	NEOB-9	B-227	
4-20-00	NEOB-10	B-212	1200 L

99-[illegible]5
[illegible]/WPYG
2-17-99
DC0105ZZ
cc: WPW

WEB ENVIRONMENTAL GROUP

INDUSTRIAL HYGIENE SERVICES

January 5, 1999

Ms. Normajean P. Eleazer
General Services Administration
Safety & Environment Branch
7th & D Streets, S.W., Room 2080
Washington, D.C. 20407

Re: NEOB - 725 17th Street N.W.

Dear Ms. Eleazer:

Enclosed you will find the laboratory results for the personal, area and final clearance samples collected on December 15, 1998, form the New Executive Office Building located at 725 17th Street N. W., Washington, D.C.

The final clearance sample is less than 0.01 fibers per cubic centimeter which is within EPA re-occupancy limitations and shows the work space to be safe for re-occupancy.

If you have any questions regarding this report, please contact us at (301) 599-7959.

Sincerely,

Cynthia E. Anderson

CYNTHIA E. ANDERSON
Industrial Hygiene Division

1129 20th STREET • SUITE 400 • N.W. WASHINGTON, D.C. 20036 • 202/452-9862 • FAX 301/599-7958
9440 PENNSYLVANIA AVENUE • SUITE 305 • UPPER MARLBORO, MD 20772 • 301/599-7959 • FAX 301/599-7958

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME 725 17th Street N.W. NEOB **PROJECT** 980250 (ACT #: P72 693157)

INDUSTRIAL HYGIENIST Eric Butler **DATE** 12/15/98

ABATEMENT CONTRACTOR T & P Engineering Company, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
1	Background	760	12	2005	2105	<0.01 f/cc

LOCATION: **Elevator Lobby**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
2	Personal	50	2.5	2125	2310	<0.01 f/cc

LOCATION: **Dan Wilcox**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
3	Inside	92	2.5	2125	2310	<0.01 f/cc

LOCATION: **Containment**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
4	Final	760	12	2320	0045	<0.01 f/cc

LOCATION: **Elevator Lobby**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodolology

WEB ENVIRONMENTAL GROUP

Date Dec 15, 1998
Job No.
Job Name NEOB - Elevator Lobby
Page ____ of ____

Time	Remarks DAILY LOG SHEET
~~1800~~	Crew
2000	Crew builds mini containment. I take background.
2115	I inspect mini containment. Integrity is good.
	I give crew permission to begin removal.
	Crew consists of Dan Wilcox
	Mike Chica
2125	Crew begins Jeff Masone
	cutting through sheet metal in a
	5" x 10" area above elevator doors, using a
	saw za. Once the air cell material is
	exposed, it is removed and hepa vacuumed
2220	I inspect area, all material has been removed
	Crew moves mini containment to adjacent elevator
	and performs the same task on another
	5" x 10" area.
2315	Crew finishes both areas and encapsulates
2320	I begin final clearance sample
0045	I end final clearance sample
	Analyze sample

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building

Project: 980250 (ACT # P72693157)

Location: Elevator Lobby

Date: 12/15/98

Removal Contractor: T&P General Contractors, Inc.

Time Inspected: 2115

Monitoring Contractor: WEB Environmental Group

Time work started: 2125

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter Barrier	Yes	
	b. Decontamination Curtains	Yes	
	c. Seals around ducts, windows and doors	Yes	
	d. Vertical and horizontal openings	Yes	
	e. "Negative air machine" in use	Yes	
	f. Negative pressure > 0.02"	Yes	
2. Signs	a. Caution signs at vestibule entry	Yes	
	b. OSHA SIGN (ASBESTOS)	Yes	
0	c. Dumpster, ducts, drums, and bags labelled	Yes	

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	Yes	_____
	e. Material kept wet until bagged	Yes	_____
3. Worker protection	a. Disposable clothing used one time	Yes	_____
0			
	b. Proper NIOSH respirators	Disp _____	_____
		HEPA_Yes___	_____
		Paper_____	_____
		TYPE "C"____	_____
	c. Proper decontamination sequence followed	N/A	_____
4. Showers	a. Functioning?	N/A	_____
	b. Soap and towels?	N/A	_____
	c. Used each departure?	N/A	_____
5. Work habits in Work area	a. No smoking	Yes	_____
	b. Eating/drinking	Yes	_____

Field Notes:

*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered"

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Eric Butler Date: 12/15/98

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building Project: #980250(ACT# P72693157

Location: Elevator Lobby Date: 12/15/98

Removal Contractor: T&P General Contractor Time Inspected: 2220

Monitoring Contractor: WEB Environmental Group Time Completed: 0045

FINAL INSPECTION: The final inspection shall consist of a walk through inspection conducted accompanied by the contracting Officer's Representative or a designee, a GSA Safety and Environmental Management representative, the IH contract's Certified Industrial Hygienist, the asbestos abatement contractor, a state or local government representative, the abatement contractor's Industrial Hygienist, a tenant representative or another interested party.

OBJECTIVE: The objective is that the ASBESTOS has been removed or abated as required in the CONTRACT. All parties should familiarize themselves with the provisions of the contract and the "Asbestos Removal/Abatement Scope of Work." This check list is to serve as a guide for the final inspection.

Activity to be checked		Within Limits	Problem Encountered
1. Residual dust on:	a. Floor	YES	
	b. Horizontal surfaces	YES	
(below eye level)	c. Pipes	N/A	
	d. Ventilation equipment	N/A	
	e. Horizontal surface	YES	
(above eye level)	f. Pipes	N/A	
	g. Ductwork	N/A	
	h. Registers	N/A	
	i. Lights	YES	

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

As any dust found in the removal area is likely to be asbestos contaminated, in case of dispute, a small quantity of material may be sent to a designated laboratory for analysis.

FINAL AIR SAMPLING:

If all other tests and situations appear to be satisfactory, the final air tests will be taken.

Sample Number:	04			
Location:	Elevator Lobby			
Volume (Liters):	1020			
Flow rate: (Liters/Minute)	12			
Fibers/Filter:	3/100			
Fibers/Cubic Cm:	0.001			

ANALYSTS ANALYZING SAMPLING: Eric Butler DATE: 12/15/98

Field Notes:

* Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

REPORT PREPARED BY: Eric Butler **DATE:** 12/15/98

REPORT REVIEWED BY: **Eric Butler** **DATE:** **12/15/98**

Reviewed/Mailed
JAN 31 1996
96-167 T.S./WPMOX
DC010522
CANOFILE: 951121
CC: WPCO
WPMFW

RECEIVED
GSA/MCR
JAN 22 3 25 PM '96
SAFETY & ENVIRONMENT
BRANCH (WPMOX)

WEB ENVIRONMENTAL GROUP

INDUSTRIAL HYGIENE SERVICES

November 21, 1995

General Services Administration
Safety & Environ. Mgmt. Division
7th & D Streets, SW Room 2080
Washington, D.C. 20407

Attn: Ms. Normajean P. Eleazer

RE: ACT # P41069628 - New Executive Office Bldg. - Garage - 725 17th St. NW

Dear Ms. Eleazer:

Enclosed you will find the laboratory results of the background, area and final clearance samples collected on October 5 to October 28, 1995 in the garage of the New Executive Office Building located at 725 17th Street in NW Washington, DC.

The final clearance sample results are less than 0.01 fibers per cubic centimeter which is within EPA re-occupancy limitations and shows the work space to be safe for re-occupancy.

If you have any questions regarding this report, please contact us at (202) 452-9862.

Sincerely

Leela Oudit
for Eric W. Butler
Project Manager
Industrial Hygiene Division

2213 M STREET • SUITE 300 • N.W. WASHINGTON, D.C. 20037 • 202/452-9862 • FAX 301/599-7958
9440 PENNSYLVANIA AVENUE • SUITE 305 • UPPER MARLBORO, MD 20772 • 301/599-7959 • FAX 301/599-7958

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/05/95

Removal Contractor: Retro Environmental, Inc.

Time Inspected: 2055

Monitoring Contractor: WEB Environmental Group

Time work started: 2100

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter Barrier	YES	
	b. Decontamination Curtains	YES	
	c. Seals around ducts, windows and doors	YES	
	d. Vertical and horizontal openings	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution signs at vestibule entry	YES	
	b. OSHA SIGN (ASBESTOS)	YES	
	c. Dumpster, ducts, drums, and bags labelled	YES	

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
3. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA X Paper _____ TYPE "C"	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
4. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
5. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered"

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Donnya Milton Date: 10/05/95

WEB ENVIRONMENTAL GROUP

Date 10-5-95
Job No.
Job Name 725 17th NW
Page 1 of

Time	Remarks — DAILY LOG SHEET —
7:00 PM	I.H. Arrives at job site, security has not recieved names of WEB employees.
	I.H. speaks with Prop. Mngr. And Eric Butler. Both arrive at job site.
8:50	After talks, and filling out forms security allows I.H. through.
	Along with escort, I.H. and Eric Butler proceed to Garage area, which is the work area, and look over.
9:00	I.H. starts background, air samples, speaks with Supervisor about job. (Scope of work, work practice, and methods of their removal. (Material is sprayed on fire proofing)
10:00	I.H. inspects certs. and other licenses of workers.
	Workers still prep area.

Bids

Victor Ventura, Mercedes Diaz, Robert Phillips, Ray Deterio, Roberto Macatuno, Anastacio Sanna,

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/06/95

Removal Contractor: Retro Environmental, Inc.

Time started: 1900

Monitoring Contractor: WEB Environmental Group

Time Stopped: 0200

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (LEAD)	YES	
	c. Dumpster, ducts, drums and bags labelled	YES	
3. Work practices	a. Hammers, saws, etc. Not in use	YES	
	b. Removed material promptly bagged	YES	
	c. Debris stored in removal area	YES	

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered"

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Donnya Milton Date: 10/06/95

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Donnya Milton **DATE** 10/06/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Outside	680	2.5	2350	0700	<0.01 f/cc

LOCATION: **In garage area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	AFD	700	2.5	2350	0700	<0.01 f/cc

LOCATION: **Garage - exhaust hose**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Inside	100	2.5	2350	0700	0.218 f/cc

LOCATION: **Garage - work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Clean room	620	2.5	2350	0700	<0.01 f/cc

LOCATION: **Garage - decon area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Personal	730	2.5	2350	0700	0.113 f/cc

LOCATION: **Mercedes**

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

WEB ENVIRONMENTAL GROUP

Date 10-6-95
Job No.
Job Name 725 17th
Page 1 of

Time	Remarks	DAILY LOG SHEET	DONNYA MILTON
7:00	I. H. ARRIVES AT JOB-site, and checks in at security desk. Workers are also arriving. Prep work has not yet been completed. Workers continue where work was left off.		
8:50	Five other workers are now allowed into building.		
10:00	Break time. (10 min) Workers continue to prep, 10 neg. air machine, and set up 3 stage. There will be separate grid for bags.		
10:50	I.H. sets up equipment, inspects containment as workers put finishing touches.		
11:00	Half of number of workers leave, because containment is completed. (20 workers)		
12:50	Workers enter containment, begin removal. I.H. starts air samples, signs Helen's start-up list. Six workers remain working.		
2:00 pm	I.H. leaves job site		

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/07/95

Removal Contractor: Retro Environmental, Inc.

Time started: 0715

Monitoring Contractor: WEB Environmental Group

Time Stopped: 1900

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (LEAD)	YES	
	c. Dumpster, ducts, drums and bags labelled	YES	
3. Work practices	a. Hammers, saws, etc. Not in use	YES	
	b. Removed material promptly bagged	YES	
	c. Debris stored in removal area	YES	

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered"

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: George Bouyat Date: 10/07/95

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Bldg. **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST George Bouyat **DATE** 10/07/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Environmental	680	2.5	0715	1845	<0.002 f/cc

LOCATION: **South east corner of garage**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Environmental	580	2.5	0715	1845	<0.002 f/cc

LOCATION: **Center of garage**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Inside	560	2.5	0715	1845	0.002 f/cc

LOCATION: **Clean room**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Inside	730	2.5	0715	1845	0.088 f/cc

LOCATION: **Garage - work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Area	700	2.5	0715	1845	0.083 f/cc

LOCATION: **Garage - north west perimeter**

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Bldg. **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST George Bouyat **DATE** 10/07/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Outside	200	2.5	0745	1845	<0.01 f/cc

LOCATION: **Garage - at HEPA exhaust**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Blank					0/100

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
08	Blank					1/100

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

WEB ENVIRONMENTAL GROUP

Date 10-7-95
Job No.
Job Name New Executive Office Bldg
Page ____ of ____

DAILY LOG SHEET

Time	Remarks
7:00am	I arrive on site. I meet with Bob Griecti - Retro-Environmental, he explains the Scope of the job.
7:15am	- I set-up samples - 1 at the entrance to the decon, 1 at the HEPA exhaust, 1 in the clean Rm., 2 inside the work area and 1 other in the Garage. - Retro-Environmental is getting ready to change shifts.
8:00am	- Retro changes shifts. The new crew is coming getting. It consists of 20 members.
8:20am	- The new crew is suiting up & getting ready to enter the work area.
	Note: The 1st bay & about ½ of the second bay is done - (The gross removal is down.)
9:15am	- Dusty Rhodes - (GSA) is on site. He asks general questions about the job. - Type of removal, Fiber count, etc.
9:45am	- Eric Butler on site. He meets with Dusty Rhodes.
11:00am	- I enter the work area - for a Look see. - The 2nd & 3rd bays have been pretty well removed.
12:00noon	- Retro goes to Lunch. I re-enter the work area - Retro is using plenty of amended water. - The area is heavily misted. Negative pressure is good.
1:40pm	- Approximately 75% of the gross removal has been completed.
3:30pm	- Gross Removal complete. Retro is bagging & fine cleaning.
5:00pm	- Approximately 500 bags have been removed from the Work Area.
6:15pm	- Retro - is fine cleaning - wiping down poly, etc.
7:00pm	Eric is on site
7:30pm	I complete paperwork, sample analysis. I Leave site.

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/07/95

Removal Contractor: Retro Environmental, Inc.

Time started: 1900

Monitoring Contractor: WEB Environmental Group

Time Stopped: 0200

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (LEAD)	YES	
	c. Dumpster, ducts, drums and bags labelled	YES	
3. Work practices	a. Hammers, saws, etc. Not in use	YES	
	b. Removed material promptly bagged	YES	
	c. Debris stored in removal area	YES	

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered"

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Donnya Milton Date: 10/07/95

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/07/95

Removal Contractor: Retro Environmental, Inc.

Time Inspected: 2000

Monitoring Contractor: WEB Environmental Group

Time Completed: 0200

FINAL INSPECTION: The final inspection shall consist of a walk through inspection conducted by the IH contractor. He may at time be accompanied by the contracting Officer's Representative or a designee, a GSA Safety and Environmental Management representative, the IH contract's Certified Industrial Hygienist, the asbestos abatement contractor, a state or local government representative, the abatement contractor's Industrial Hygienist, a tenant representative or another interested party.

OBJECTIVE: The objective is that the ASBESTOS has been removed or abated as required in the CONTRACT. All parties should familiarize themselves with the provisions of the contract and the "Asbestos Removal/Abatement Scope of Work." This check list is to serve as a guide for the final inspection.

Activity to be checked		Within Limits	Problem Encountered
1. Residual dust on:	a. Floor	YES	
	b. Horizontal surfaces	YES	
(below eye level)	c. Pipes	N/A	
	d. Ventilation equipment	N/A	
	e. Horizontal surface	YES	
(above eye level)	f. Pipes	YES	
	g. Ductwork	YES	
	h. Registers	YES	
	i. Lights	YES	

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

As any dust found in the removal area is likely to be asbestos contaminated, in case of dispute, a small quantity of material may be sent to a designated laboratory for analysis.

FINAL AIR SAMPLING:

If all other tests and situations appear to be satisfactory, the final air tests will be taken.

Sample Number:	03	04	05	06	_____
Location:	A	B	C	D	_____
Volume (Liters):	1900	1900	1900	1900	_____
Flow rate: (Liters/Minute)	12	12	12	12	_____
Fibers/Filter:	0/100	2/100	2.5/100	4.5/100	_____
Fibers/Cubic Cm:	<0.01	<0.01	<0.01	<0.01	_____

ANALYSTS ANALYZING SAMPLING: Donnya Milton DATE: 10/07/95

Field Notes:

* Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

_____
_____
_____
_____
_____

REPORT PREPARED BY: Donnya Milton **DATE: 10/07/95**

REPORT REVIEWED BY: _____ **DATE:** _____

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Bldg. **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Donnya Milton **DATE** 10/07/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Outside	730	2.5	1905	2145	<0.01 f/cc

LOCATION: **Garage 1B - work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Outside	680	2.5	1905	2145	<0.01 f/cc

LOCATION: **Garage 1B - work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Final	540	12	2000	2335	<0.01 f/cc

LOCATION: **Garage 1B - (A) - inside work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Final	240	12	2000	2335	<0.01 f/cc

LOCATION: **Garage 1B - (B) - inside work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Final	280	12	2000	2335	<0.01 f/cc

LOCATION: **Garage 1B - (C) - inside work area**

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Donnya Milton **DATE** 10/07/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Final	680	12	2000	2335	<0.01 f/cc

LOCATION: **Garage JB - inside work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Blank					1/100

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
08	Blank					0/100

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

WEB ENVIRONMENTAL GROUP

Date 10-7-95
Job No.
Job Name GSA 725 17th
Page 1 of

Time	Remarks	DAILY LOG SHEET	DONNYA MILTON
7:00pm	I.h. arrives at job site, change of shift for other I.h. already at job site. I.h. resets pumps for outside area. Workers are fine cleaning work area (containment).		
8:00pm	I.h. is called for the visual inspection.		
8:30pm	work area is clean and ready enough for encapsulation. Other workers begin prep for new area.		
8:50pm	Encapsulation complete, workers take lunch break.		
9:30	Workers returning to work area.		
9:45	Workers continue ~~begin~~ prepping new work area		
10:00	I.h. starts final air samples. Workers vacuum above ducts as they prep area.		
12:45	I.h. collects air samples and analyzes them.		
1:00	I.h. lets supervisor know that work area is entry level safe and containment can be removed. I.h. analyzes other samples as workers collect equipment and store in trailer.		
1:10	Worker falls off of a ladder, does not know extent of injuries. He is taken to hospital.		
2:00	Workers leave job site. Also I.h. leaves job site.		

Supervisor: Bob Gricchi, Annastacio Sanna, Mercedes Diaz, Robert Phillips, Robert Macaturo, Pay Deleno

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/11/95

Removal Contractor: Retro Environmental, Inc.

Time Inspected: 1800

Monitoring Contractor: WEB Environmental Group

Time work started: 1830

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter Barrier	YES	
	b. Decontamination Curtains	YES	
	c. Seals around ducts, windows and doors	YES	
	d. Vertical and horizontal openings	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution signs at vestibule entry	YES	
	b. OSHA SIGN (ASBESTOS)	YES	
	c. Dumpster, ducts, drums, and bags labelled	YES	

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
3. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA X Paper _____ TYPE "C"	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
4. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
5. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered"

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Gregory Scott Date: 10/11/95

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/11/95

Removal Contractor: Retro Environmental, Inc.

Time started: 1830

Monitoring Contractor: WEB Environmental Group

Time Stopped: 0500

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (LEAD)	YES	
	c. Dumpster, ducts, drums and bags labelled	YES	
3. Work practices	a. Hammers, saws, etc. Not in use	YES	
	b. Removed material promptly bagged	YES	
	c. Debris stored in removal area	YES	

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered"

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Gregory Scott Date: 10/11/95

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Bldg. **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Brue Harris **DATE** 10/11/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Background	32	10	1900	2100	0.017 f/cc

LOCATION: **2nd column out from garage door**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Background	47	10	1900	2100	0.032 f/cc

LOCATION: **Column next to return vent**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Background	32	10	0115	0315	0.002 f/cc

LOCATION: **Last column in Phase III**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Background	47	10	0115	0315	0.02 f/cc

LOCATION: **2nd column inside Phase III**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Background	65	10	0145	0345	0.001 f/cc

LOCATION: **Escort sitting area**

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Bruce Harris **DATE** 10/11/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Blank					1/100

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Blank					1/100

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

WEB ENVIRONMENTAL GROUP

Date 10-11-95
Job No.
Job Name Exe. Office BLDG. GARAGE
Page 1 of 1

DAILY LOG SHEET

Time	Remarks
600pm	Arrived on site at the New executive office building to supervise set up of the Phase II sect of the B1 parking Garage
700	Started two Background inside the Garage under Phase II prep area.
800	Prep work contives inside the B1 Garage area No changes since the last Report
9:00	Two back groun samples are stopped as the crew contives prep work.
10:00	prep work contives as crew member vacum the tops of electrical conduits and duct work.
10:30	Crew stops work for lunch break
1030	Crew returns from lunch and resumes prep work
01:15	Started to ambient air samples to insure controls during prep work.
01:45	Started one low volume area sample in the area where escort sit. Crew take a short break, Waste's Eric Butler arrives on site
02:15	Crew Returns from break and Resumes prep work.
04:00	Crew besins clean up for the Night prep work will Resume 10-12-95.
05:00	Leave Job site

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/12/95

Removal Contractor: Retro Environmental, Inc.

Time started: 1830

Monitoring Contractor: WEB Environmental Group

Time Stopped: 0500

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (LEAD)	YES	
	c. Dumpster, ducts, drums and bags labelled	YES	
3. Work practices	a. Hammers, saws, etc. Not in use	YES	
	b. Removed material promptly bagged	YES	
	c. Debris stored in removal area	YES	

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered"

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Bruce Harris Date: 10/12/95

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Bldg. **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Bruce Harris **DATE** 10/12/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
08	Ambient	580	2.5	2030	2230	<0.01 f/cc

LOCATION: **Garage 1B - work area - Phase II**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
09	Ambient	550	2.5	2030	2230	<0.01 f/cc

LOCATION: **Garage 1B - work area - Phase II**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
10	Blank					1/100

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
11	Blank					0/100

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

Thurs

WEB ENVIRONMENTAL GROUP

Date 10-12-95
Job No.
Job Name NEW E.O.B.
Page 1 of 1

Phase II parking GARAGE B-1

DAILY LOG SHEET

Time	Remarks
6:00 pm	Arrived on site at the New E.O.B and Calibrated pumps for tonights prep work
7:00	Retro Environmental Crew contines prep work from last night
8:30	Two ambient air samples are started Near the Phase II prep area
9:30	Crew take and early lunch break all floors are cleared before leaving prep area.
10:30 pm	Ambient air samples are stopped crew returns from lunch and resumes prep work.
12:00 Am	Phase II work area still being prepped No changes since the last report
2:00	prep work contines crew begins hanging walls on the perimeter of the work area
3:00	prep work contines No changes since the last report.
4:30	Crew cleans up for the night there will be Approx 5 more hours of prep work Tomorrow 10-13-95 before Removal Begins
5:00 pm	Leave Job site B.H.

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/13/95

Removal Contractor: Retro Environmental, Inc.

Time started: 2015

Monitoring Contractor: WEB Environmental Group

Time Stopped: 0700

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (LEAD)	YES	
	c. Dumpster, ducts, drums and bags labelled	YES	
3. Work practices	a. Hammers, saws, etc. Not in use	YES	
	b. Removed material promptly bagged	YES	
	c. Debris stored in removal area	YES	

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered"

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Gregory Scott Date: 10/13/95

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Bldg. **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Gregory Scott **DATE** 10/13/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Background	32	14	2015	2130	<0.01 f/cc

LOCATION: **Garage 1B - work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Personal	58	2.5	2400	0400	0.01 f/cc

LOCATION: **Robert Phillips**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Inside	580	2.5	2330	0400	<0.01 f/cc

LOCATION: **Garage 1B- work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Outside	550	2.5	2315	1100	<0.01 f/cc

LOCATION: **Entrance to decon**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Clean room	65	2.5	2315	1100	<0.01 f/cc

LOCATION: **Inside decon**

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Gregory Scott **DATE** 10/13/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Outside	100	2.5	2335	0400	<0.01 f/cc

LOCATION: **Garage 1B - work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Inside	560	2.5	0405	1130	<0.01 f/cc

LOCATION: **Garage 1B - work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
08	Personal	58	2.5	0430	1130	0.010 f/cc

LOCATION: **Mario Santos**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
09	Ambient	240	2.5	0430	1130	<0.01 f/cc

LOCATION: **Hallway - front of elevator**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
10	Blank					0/100

LOCATION:

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Bldg. **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Gregory Scott **DATE** 10/13/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
11	Blank					1/100

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

FRI

WEB ENVIRONMENTAL GROUP

Date 10/13/95
Job No.
Job Name B-1 GARAGE
Page 1 of 2

DAILY LOG SHEET

Time	Remarks
18:00	I.H. Scott arrived at the job site. 725 17th St. N.W.
18:50	Workers and I.H. Scott passed through security desk and proceeded to level B-I parking Garage.
	Workers set up thier equipment and suplies to complete the containment and decon.
20:15	I.H. Scott set pump for backgrnd sample
21:30	I.H. pulls the sample to analyize.
23:30	I.H. Scott was asked to inspect the work area once the containment was completed. Mr. Scott and Eric Butler performed a preinspection.
	I.H. Scott set his pumps for the area and personal samples.
00:05	Workers enter the work area after suiting up and wearing full face respirators, to start the removal process.
	I.H. Scott checks the strat up and the method being used.
	I.H. checks the negetive presure in the work area. -0.32

FRI

WEB ENVIRONMENTAL GROUP

Date 10-13-95
Job No.
Job Name B-1 GARAGE
Page 2 of 2

Time	Remarks — DAILY LOG SHEET
04:00	Workers break for lunch.
	I.H. Scott change the inside and personal cassetta to avoid over loading filter.
04:30	workers return to the work area to continue the removal.
05:15	I.H. Scott has observed the workers scraping off the insulation and told Bob they need to continue spraying water while removing.
06:30	Workers are still in the work area removing the ACM.
06:35	I.H. Scott is preparing his paper wk for his departure and his relief person.
	There will be 20 workers returning this morning to work at 07:00.
07:00	I.H. Bruce has arrived on the site to relieve I.H. Scott
07:30	I.H. Scott leaves

Greg Scott

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/14/95

Removal Contractor: Retro Environmental, Inc.

Time started: 0700

Monitoring Contractor: WEB Environmental Group

Time Stopped: 1900

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (LEAD)	YES	
	c. Dumpster, ducts, drums and bags labelled	YES	
3. Work practices	a. Hammers, saws, etc. Not in use	YES	
	b. Removed material promptly bagged	YES	
	c. Debris stored in removal area	YES	

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered"

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Bruce Harris Date: 10/14/95

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Bldg. **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Bruce Harris **DATE** 10/14/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
12	Ambient	200	2.5	1200	2100	0.004 f/cc

LOCATION: **Outside work area - hallway near elevators**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
13	Inside	260	2.5	1200	2100	0.002 f/cc

LOCATION: **Work area - containment**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
14	Clean room	280	2.5	1200	2130	0.01 f/cc

LOCATION: **Inside clean room**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
15	Outside	240	2.5	1200	1600	0.04 f/cc

LOCATION: **Work area - near containment**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
16	Inside	200	2.5	1600	2115	0.01 f/cc

LOCATION: **Work area - inside containment**

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

WEB ENVIRONMENTAL GROUP

Date 10-14-95
Job No.
Job Name NEW E.O.B
Page 1 of 2

Time	Remarks	DAILY LOG SHEET
7:00am	Arrived on site at the New Exec. office Building To relieve Greg Scott and To supervise Phase II removal of spray on Fire proofing	
8:00	Removal continues inside the work area containment No changes since the last Report	
9:00	IH Enter the work area crew continues scraping spray-on fire proofing From corrugated deck and beams	
9:30	IH leaves work area samples continue to Run	
11:00	1st crew breaks for lunch air cassettes are changed.	
12:00	1st crew Returns from lunch 2nd Crew Showers out and begins lunch. air Samples are started	
1:00	Second crew suits up and returns to work area.	
2:00	Removal continues inside the work area No changes since the last report.	
3:00	All bulk Material is down, Crew begins wire brushing and power washing the Deck and I-Beams	
4:00	Crew showers out for a short break IH enters work area To inspect ceiling	
4:30	IH Leaves work area crew suits up and enters work area for additional Fine cleaning.	
5:30	Crew begins bagging any remaining Material left on the floor.	

WEB ENVIRONMENTAL GROUP

Date 10/14/95
Job No.
Job Name NEOB
Page 2 of 2

DAILY LOG SHEET

Time	Remarks
6:30	Retro Crew begins bag out from work area to the disposal trailer.
7:00 pm	Bag out contins. Greg Scott arrives on-site

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Gregory Scott **DATE** 10/28/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
11	Inside	179	2.5	0345	0730	0.01 f/cccc

LOCATION: **Rear of work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
12	Outside	710	2.5	0105	0400	<0.01 f/cc

LOCATION: **Near doors - top of stairs**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
13	Blank					1/100

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
14	Blank					0/100

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Bldg. **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Sylvia Grimes **DATE** 10/28/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
15	Final	240	15	1045	1245	<0.01f/cc

LOCATION: **Rear end of containment**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
16	Final	720	15	1045	1245	<0.01f/cc

LOCATION: **Rear end of work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
17	Final	200	15	1045	1245	<0.01f/cc

LOCATION: **Center of containment**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
18	Final	260	15	1045	1245	<0.01 f/cc

LOCATION: **Front side of containment**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
19	Final	220	15	2045	1245	<0.01 f/cc

LOCATION: **Front of containment in decon**

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/27/95

Removal Contractor: Retro Environmental, Inc.

Time started: 1900

Monitoring Contractor: WEB Environmental Group

Time Stopped: 0330

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (LEAD)	YES	
	c. Dumpster, ducts, drums and bags labelled	YES	
3. Work practices	a. Hammers, saws, etc. Not in use	YES	
	b. Removed material promptly bagged	YES	
	c. Debris stored in removal area	YES	

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered"

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Gregory Scott Date: 10/27/95

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Bldg. **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Gregory Scott **DATE** 10/27/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Background	220	14	1900	2000	<0.01 f/cc

LOCATION: **South side of garage**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Background	260	14	1900	2000	<0.01 f/cc

LOCATION: **East side of garage**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Background	240	14	1905	2005	<0.01 f/cc

LOCATION: **Top of steps of garage**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Background	230	14	1905	2005	<0.01 f/cc

LOCATION: **Hallway by elevator**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Inside	200	2.5	2330	0330	0.02 f/cc

LOCATION: **Front of work area**

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/14/95

Removal Contractor: Retro Environmental, Inc.

Time started: 2000

Monitoring Contractor: WEB Environmental Group

Time Stopped: 0400

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (LEAD)	YES	
	c. Dumpster, ducts, drums and bags labelled	YES	
3. Work practices	a. Hammers, saws, etc. Not in use	YES	
	b. Removed material promptly bagged	YES	
	c. Debris stored in removal area	YES	

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered"

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Gregory Scott Date: 10/14/95

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/14/95

Removal Contractor: Retro Environmental, Inc.

Time Inspected: 2100

Monitoring Contractor: WEB Environmental Group

Time Completed: 0200

FINAL INSPECTION: The final inspection shall consist of a walk through inspection conducted by the IH contractor. He may at time be accompanied by the contracting Officer's Representative or a designee, a GSA Safety and Environmental Management representative, the IH contract's Certified Industrial Hygienist, the asbestos abatement contractor, a state or local government representative, the abatement contractor's Industrial Hygienist, a tenant representative or another interested party.

OBJECTIVE: The objective is that the ASBESTOS has been removed or abated as required in the CONTRACT. All parties should familiarize themselves with the provisions of the contract and the "Asbestos Removal/Abatement Scope of Work." This check list is to serve as a guide for the final inspection.

Activity to be checked		Within Limits	Problem Encountered
1. Residual dust on:	a. Floor	YES	
	b. Horizontal surfaces	YES	
(below eye level)	c. Pipes	N/A	
	d. Ventilation equipment	N/A	
	e. Horizontal surface	YES	
(above eye level)	f. Pipes	YES	
	g. Ductwork	YES	
	h. Registers	YES	
	i. Lights	YES	

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

As any dust found in the removal area is likely to be asbestos contaminated, in case of dispute, a small quantity of material may be sent to a designated laboratory for analysis.

FINAL AIR SAMPLING:

If all other tests and situations appear to be satisfactory, the final air tests will be taken.

Sample Number:	01	02	03	04	
Location:	Front	Rear	Left side	Right side	
Volume (Liters):	1956	1956	1956	1956	
Flow rate: (Liters/Minute)	12	12	12	12	
Fibers/Filter:	5/100	6.5/100	8.5/100	7/100	
Fibers/Cubic Cm:	0.00125	0.00162	0.00213	0.00175	

ANALYSTS ANALYZING SAMPLING: Gregory Scott DATE: 10/14/95

Field Notes:

* Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

_____
_____
_____
_____
_____

REPORT PREPARED BY: Gregory Scott **DATE:** 10/14/95

REPORT REVIEWED BY: _____ **DATE:** _____

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Gregory Scott **DATE** 10/14/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Final	240	12	2300	0140	<0.01 f/cc

LOCATION: **Garage 1B - front of work area - inside**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Final	200	12	2300	0140	<0.01 f/cc

LOCATION: **Garage 1B - rear of work area - inside**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Final	220	12	2300	0145	<0.01 f/cc

LOCATION: **Garage 1B - left side of work area - inside**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Final	260	12	2300	0145	<0.01 f/cc

LOCATION: **Garage 1B - right side of work area - inside**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Blank					0/100

LOCATION:

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Bldg. **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Gregory Scott **DATE** 10/14/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Blank					1/100

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

SAT

WEB ENVIRONMENTAL GROUP

Date 10/14/95
Job No. [illegible]
Job Name
Page ____ of ____

Phase II - Parking Garage B-I

DAILY LOG SHEET

Time	Remarks
07:30 am	I.H. Scott arrived at the site N.E.O.B.
	After Mr. Scott was escorted down to level B-I parking Garage. Mr. Scott spoke with Terry the foreman, who informed the I.H. that the fine cleaning was near completion and they would be ready for a visual.
	I.H. Scott started setting is equipment up for the finals. And also collected the air left running by other I.H.
21:00	I.H. Scott suited up and entered the Containment to perform a visual of the work area, walls and floors. Mr. Scott was able to point out some area that need special attention to workers with him, which was taken care of right-a-way.
	GSA persons Bob R. came on site to check on the jobs progress. Mr. Scott had been told that he was there earlier.
9:40	Workers encapsulated the work area. Drying time will be 1-hour with AFD units on.
10:40	Mr Scott pulled ~~final~~ air samples.
01:35	Mr. Scott pulled ~~and~~ the sample and analyzed them
02:00	Final samples were analyzed and the are cleared.
04:00	I.H. Scott leaves the site

Greg Scott

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/18/95

Removal Contractor: Retro Environmental, Inc.

Time Inspected: 1900

Monitoring Contractor: WEB Environmental Group

Time work started: 1930

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter Barrier	YES	
	b. Decontamination Curtains	YES	
	c. Seals around ducts, windows and doors	YES	
	d. Vertical and horizontal openings	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution signs at vestibule entry	YES	
	b. OSHA SIGN (ASBESTOS)	YES	
	c. Dumpster, ducts, drums, and bags labelled	YES	

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
3. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA X Paper _____ TYPE "C"	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
4. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
5. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered"

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Gregory Scott Date: 10/18/95

Wed

WEB ENVIRONMENTAL GROUP

Date 10/18/95
Job No.
Job Name
Page 1 of 1

DAILY LOG SHEET

Time	Remarks
18:30	I.H. E. Butler arrive at the job site New Executive Office Bldg. (N.E.O.B.)
19:30	Retro workers are moving car from garge, in the work area. Other workers are preparing to set up the containment was and cover up none removables, lights electrical pipes etc. etc.
21:00	The crew takes a break. Also the GSA inspector stops by to check on the job and contractor.
21:25	I.H. Scott arrives on the site to releave Mr. E. Butler. Mr. Butler brings Mr. Scott up to date on jobs activities before he left the site.
22:00	Mr. Scott proceeds to observe the work area and workers as they prep the B-I level parking garage (phase III of the project.
00:30	Foreman Bob leaves the job site, Victor his supervisor will continue to prep the areas.
02:30	Workers take a break
02:45	I.H. Scott does a walk through of the work area to check the seals and covering of lights pipes and other non removables.
03:25	Workers to clean up and pack up trash and equipment.
04:00	Job site Closed

Doug Scott

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/19/95

Removal Contractor: Retro Environmental, Inc.

Time started: 1900

Monitoring Contractor: WEB Environmental Group

Time Stopped: 1930

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (LEAD)	YES	
	c. Dumpster, ducts, drums and bags labelled	YES	
3. Work practices	a. Hammers, saws, etc. Not in use	YES	
	b. Removed material promptly bagged	YES	
	c. Debris stored in removal area	YES	

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered"

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Gregory Scott Date: 10/19/95

Thurs

WEB ENVIRONMENTAL GROUP

Date 10/19/95
Job No.
Job Name N.E.O.B. - GSA
Page 1 of 1

Time	Remarks — DAILY LOG SHEET —
18:30	I.H. Scott arrived at the job site N.E.O.B.
19:00	I.H. Scott, Foreman Bob and crew are lead down to be B-I level parking garage.
19:30	The Retro workers are setting up the suplies and equipment needed to prep the work area.
20:15	I.H. Scott spoke with Bob G. about his work plan for tonight. Which is to continue to prep the work area for phase III.
21:00	Workers take a break (15 min)
22:00	GSA inspector Herb stop by the job site to check on the progress of the work.
23:30	I.H. set pump for a background sample * could not run background due to the welding
Note	Mr. Scott observing the progress of the workers. and sence phase III is completed the workers are prepping phase IV.
01:35	Worker continue to prep to work areas phase III — phase IV
	Workers Clean up trash and equipment
04:30	Job site Closed

Gregg Scott

* will run background sample tomorrow.

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/20/95

Removal Contractor: Retro Environmental, Inc.

Time started: 1900

Monitoring Contractor: WEB Environmental Group

Time Stopped: 0700

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (LEAD)	YES	
	c. Dumpster, ducts, drums and bags labelled	YES	
3. Work practices	a. Hammers, saws, etc. Not in use	YES	
	b. Removed material promptly bagged	YES	
	c. Debris stored in removal area	YES	

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered"

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Gregory Scott Date: 10/20/95

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Bldg. **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Gregory Scott **DATE** 10/20/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Background	680	14	2000	2100	0.003 f/cc

LOCATION: **Garage work area - front**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Background	780	14	2000	2100	0.01 f/cc

LOCATION: **Garage work area - rear**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Background	550	14	2005	2105	0.003 f/cc

LOCATION: **Garage area near ramp**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Background	540	14	2005	2105	0.004 f/cc

LOCATION: **Garage area - near exit door**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Inside	240	2.5	2355	0400	0.14 f/cc

LOCATION: **Garage - front work area**

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Gregory Scott **DATE** 10/20/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Outside	730	2.5	0010	0830	0.002 f/cc

LOCATION: **Near exit door at decon**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Clean room	710	2.5	0010	0830	0.002 f/cc

LOCATION: **At decon**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
08	Personal	58	2.5	2355	0350	0.01 f/cc

LOCATION: **Miguel Cheng**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
09	Inside	240	2.5	0015	0400	0.07 f/cc

LOCATION: **Rear of work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
10	Personal	44	2.5	0430	0830	0.042 f/cc

LOCATION: **Miguel Cheng**

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Bldg. **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Gregory Scott **DATE** 10/20/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
11	Inside	720	2.5	0430	0830	VOID

LOCATION: **Center of room - work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
12	Ambient	540	2.5	0030	0830	0.001 f/cc

LOCATION: **Outside hallway near elevator**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
13	Blank					1/100

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
14	Blank					0/100

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

WEB ENVIRONMENTAL GROUP

Date 10/20/95
Job No.
Job Name N.E.O.B.
Page 1 of 2

DAILY LOG SHEET

Time	Remarks
18:30	I.H. Scott arrives on the job site N.E.O.B. 725 17th St. N.W.
	Mr. Scott met Bob Revee and Bob G. upon arriving. Mr. Scott was given some paper work from the lab results and approved memo of another encapsulation called Fiberset PM. Bob Reave said would return.
19:15	I.H. Scott set pumps (4) for backgrnd samples, while workers completed their prepping of the work area.
	Once the prepping was finish, Victor the foreman ask the I.H. to preinspect the containment. Mr. Scott gave permission to start removal.
12:00	Twenty workers left the site, to return in the morning. 5 workers stayed to start the removal around the openings and holes in ceiling area.
12:10	I.H. Scott set all his pumps inside and outside the work area.
12:30	I.H. Scott checks the negetive pressure — 0.24

WEB ENVIRONMENTAL GROUP

Date 10/20/95
Job No.
Job Name NEOB
Page 2 of 2

DAILY LOG SHEET

Time	Remarks
	Workers continue the removal process in the containment.
01:50	I.H. checks negative presure -0.28
03:50	Workers take lunch break
04:30	The removal continues on -
	I.H. Scott changes the INside and personal samples to avoid overload.
	I.H. Scott goes over schedule with Bob G.
07:00	Retro's workers arrive and Terry the foreman for this morning shift.
	I.H. Silvia Grimes will be replacing Ms. Scott.
	I.H. Scott gave Ms. Grimes a walk through of the job site and a up date on the progress.
08:00	I.H. Scott leaves the job site
	Gary Scott

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/21/95

Removal Contractor: Retro Environmental, Inc.

Time started: 0730

Monitoring Contractor: WEB Environmental Group

Time Stopped: 1830

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (LEAD)	YES	
	c. Dumpster, ducts, drums and bags labelled	YES	
3. Work practices	a. Hammers, saws, etc. Not in use	YES	
	b. Removed material promptly bagged	YES	
	c. Debris stored in removal area	YES	

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered"

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Eric Butler Date: 10/21/95

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Bldg. **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Sylvia Grimes **DATE** 10/21/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
15	Personal	179	2.5	0820	1330	VOID

LOCATION: **Mario Estrada**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
16	Clean room	710	2.5	0900	1330	<0.01 f/cc

LOCATION: **At decon**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
17	Inside	720	2.5	0900	1330	VOID

LOCATION: **Center of room**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
18	Outside	730	2.5	0900	1330	0.001 f/cc

LOCATION: **Near exit of decon**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
19	Ambient	220	2.5	0910	1330	0.003 f/cc

LOCATION: **Outside hallway - near elevator**

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Sylvia Grimes **DATE** 10/21/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
20	Personal	179	2.5	1340	1835	0.04 f/cc

LOCATION: **Hugo Morales**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
21	Clean room	710	2.5	1340	1835	0.001 f/cc

LOCATION: **At the decon**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
22	Inside	720	2.5	1340	1835	0.01 f/cc

LOCATION: **Center of room**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
23	Outside	730	2.5	1340	1837	0.01 f/cc

LOCATION: **Near exit of decon**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
24	Ambient	220	2.5	1340	1837	VOID

LOCATION: **Outside in hallway**

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Bldg. **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Gregory Scott **DATE** 10/21/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
25	Inside	240	2.5	1340	1837	<0.01 f/cc

LOCATION: **Rear end of containment**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

WEB ENVIRONMENTAL GROUP

Date 10/2/95
Job No.
Job Name NEOB
Page 1 of

DAILY LOG SHEET

Time	Remarks
07:20	IH Sylvia arrives at worksite to Replace IH Scott
07:30	IH signs in & proceeds to work area
	Scott shows IH around and describes job operation
08:20	IH Scott leave IH Sylvia return and changes samples.
09:00	IH speaks with Supervisor Jerry.
11:00	workers break for lunch
12:40	workers return
	IH reads samples
13:00	IH set up to change sample cassettes
14:00	IH is replaced by Eric Butler

Sylvia A. Gomez

WEB ENVIRONMENTAL GROUP

Date 10/21/95
Job No.
Job Name N EOB
Page ____ of ____

Phase III

I.H. Eric Butler

DAILY LOG SHEET

Time	Remarks
1400	Eric arrives on site. Relieve Sty Sylvia.
	Sylvia changed cassettes just before I
	arrived
	Work crew is picking up debris from
	floor and wiping areas of floor with
	squeegees.
1515	Crew is power washing areas with sprayer
	Negative air readings show -0.02 inches
	of water. Removal is about 85% complete
1540	Crew begins to bag out. They roll bags
	up ramp in carts.
1630	Approximately 436 bags have been removed
1645	Crew takes break
1715	Crew continues cleaning
1725	More bags are being removed - approximately 40 bags
1815	Hygienist goes into containment for final visual
1830	Containment is cleaned very well
1835	Pull pumps
1840	Crew begins encapsulation
1905	Eric leaves site.
	replaced by Gregg Scott

bag Count 476

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/21/95

Removal Contractor: Retro Environmental, Inc.

Time started: 1900

Monitoring Contractor: WEB Environmental Group

Time Stopped: 0100

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (LEAD)	YES	
	c. Dumpster, ducts, drums and bags labelled	YES	
3. Work practices	a. Hammers, saws, etc. Not in use	YES	
	b. Removed material promptly bagged	YES	
	c. Debris stored in removal area	YES	

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered"

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Gregory Scott Date: 10/21/95

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/21/95

Removal Contractor: Retro Environmental, Inc.

Time Inspected: 2000

Monitoring Contractor: WEB Environmental Group

Time Completed: 2215

FINAL INSPECTION: The final inspection shall consist of a walk through inspection conducted by the IH contractor. He may at time be accompanied by the contracting Officer's Representative or a designee, a GSA Safety and Environmental Management representative, the IH contract's Certified Industrial Hygienist, the asbestos abatement contractor, a state or local government representative, the abatement contractor's Industrial Hygienist, a tenant representative or another interested party.

OBJECTIVE: The objective is that the ASBESTOS has been removed or abated as required in the CONTRACT. All parties should familiarize themselves with the provisions of the contract and the "Asbestos Removal/Abatement Scope of Work." This check list is to serve as a guide for the final inspection.

Activity to be checked		Within Limits	Problem Encountered
1. Residual dust on:	a. Floor	YES	
	b. Horizontal surfaces	YES	
(below eye level)	c. Pipes	YES	
	d. Ventilation equipment	YES	
	e. Horizontal surface	YES	
(above eye level)	f. Pipes	YES	
	g. Ductwork	YES	
	h. Registers	YES	
	i. Lights	YES	

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

As any dust found in the removal area is likely to be asbestos contaminated, in case of dispute, a small quantity of material may be sent to a designated laboratory for analysis.

FINAL AIR SAMPLING:

If all other tests and situations appear to be satisfactory, the final air tests will be taken.

Sample Number:	01	02	03	04	05
Location:	(A) Inside	(B) Inside	(C) Inside	(D) Inside	(E) Inside
Volume (Liters):	1956	1956	1956	1956	1956
Flow rate: (Liters/Minute)	12	12	12	12	12
Fibers/Filter:	4.5/100	8.5/100	6/100	9/100	4.5/100
Fibers/Cubic Cm:	0.00112	0.00213	0.00150	0.00225	0.00112

ANALYSTS ANALYZING SAMPLING: Gregory Scott DATE: 10/21/95

Field Notes:

* Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

_____
_____
_____
_____
_____

REPORT PREPARED BY: Gregory Scott **DATE:** 10/21/95

REPORT REVIEWED BY:_____ **DATE:** _____

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

As any dust found in the removal area is likely to be asbestos contaminated, in case of dispute, a small quantity of material may be sent to a designated laboratory for analysis.

FINAL AIR SAMPLING:

If all other tests and situations appear to be satisfactory, the final air tests will be taken.

Sample Number:	06				
Location:	(F) Outside				
Volume (Liters):	1956				
Flow rate: (Liters/Minute)	12				
Fibers/Filter:	4.5/100				
Fibers/Cubic Cm:	0.00112				

ANALYSTS ANALYZING SAMPLING: Gregory Scott DATE: 10/21/95

Field Notes:

* Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

REPORT PREPARED BY: Gregory Scott **DATE:** 10/21/95

REPORT REVIEWED BY: _____ **DATE:** _____

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Bldg. **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Gregory Scott **DATE** 10/21/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Final	220	12	2015	2205	<0.01 f/cc

LOCATION: **(A) - inside work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Final	260	12	2015	2205	<0.01 f/cc

LOCATION: **(B) - inside work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Final	200	12	2015	2205	<0.01 f/cc

LOCATION: **(C) - inside work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Final	230	12	2015	2205	<0.01 f/cc

LOCATION: **(D) - inside work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Final	240	12	2015	2205	<0.01 f/cc

LOCATION: **(E) - inside work area**

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Gregory Scott **DATE** 10/21/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Final	580	12	2010	2215	<0.01 f/cc

LOCATION: **(F) - hallway front of elevators**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Blank					0/100

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
08	Blank					1/100

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT

LOCATION:

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

SAT.

WEB ENVIRONMENTAL GROUP

Date 10/21/95
Job No.
Job Name NEOB
Page 1 of 1

PHASE III of B-1 PARKING GARAGE

DAILY LOG SHEET

Time	Remarks
NOTE	This job under the supervision of I.H. Scott
19:00	Mr. Scott arrives at the NEOB to relieve ERIC Butler.
19:25	I.H. is in the B-1 level parking garage where he talk to Terry the foreman. Terry informed the I.H. that Eric B. had done the visual inspection and gave the OK! to encapsulate the work area.
18:45	Encapsulation completed, drying time (60-min.)
20:10	I.H. Scott set the pumps for final air testing and proceeded to update logs.
20:00	Petro worker closed the flaps to the decon and the two stage bag out area.
22:30	I.H. Scott turned off the pumps and collected the final air samples.
22:45	I.H. Scott prepared the samples and analyze them on the site.
NOTE	The final clearance results were ≤0.01 F/cc for all 6 final samples. Bob Reever was on site for the final results. I.H. informed the foreman and crew they could take down the containment
NOTE	Bag Out Count for 10-21-95 (476 bags)

01:00 — MID NIGHT Job Site closed Gregg Scott

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/26/95

Removal Contractor: Retro Environmental, Inc.

Time Inspected: 1900

Monitoring Contractor: WEB Environmental Group

Time work started: 1930

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter Barrier	YES	
	b. Decontamination Curtains	YES	
	c. Seals around ducts, windows and doors	YES	
	d. Vertical and horizontal openings	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution signs at vestibule entry	YES	
	b. OSHA SIGN (ASBESTOS)	YES	
	c. Dumpster, ducts, drums, and bags labelled	YES	

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
3. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA X Paper _____ TYPE "C" ____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
4. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
5. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered"

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Gregory Scott Date: 10/26/95

WEB ENVIRONMENTAL GROUP

Date 10/26/95
Job No.
Job Name NEOB - B-1
Page 1 of

DAILY LOG SHEET

Time	Remarks
18:00	I.H. Gregg Scott arrives at the job site.
	N.E.O.B. 725 17th St. NW.
	B-1 Parking Garage
	The Retro Foreman and a (6) man crew is also on site. Once everyone is checked in we proceeded to the B-1 parking garage.
19:00	The Retro workers started pulling out their supplies and equipment, to continue to prep phase IV of the job.
	I.H. Scott walk through the work areas with Bob the foreman. We could not get into the room call the elevator pit. Calls were made and we look for someone who may have the.
	The workers break for lunch
21:00	After lunch workers will continue to prep until its completed
	I.H. Scott observe the work areas, and every thing looks good. Only one room was completed and ready for removal.
03:00	Job site is closed.

10/27/95

Gregg Scott

SAT

WEB ENVIRONMENTAL GROUP

Date 10/28/95
Job No.
Job Name
Page ____ of ____

Phase 4

DAILY LOG SHEET

Time	Remarks
06:30	The foreman tells Mr. Scott that the workers have completed the gross removal and are ready to start the bag out. This will be followed by the fine cleaning.
06:00	Bob Reaver stop by the job site this morning for an up date of the work.
7:00	IH Sylvia arrives on job site signs in at front desk.
7:15	IH meets with IH Mr. Scott who proceed to show IH Sylvia around the work area IH's discuss what needs to be done for final inspection.
8:30	IH Sylvia calibrates pumps for final
9:30	IH walked around to see how clean up was coming along. IH checked negative pressure.
9:45	IH was called to start inspection
10:15	IH completed inspection, workers proceed to encapsulate.
10:45	IH starts running final samples
12:45	IH pulls final sample, preps samples and starts counting.
1300	IH gives the OK for tear down & proceed to gather equipment.

Sylvia A. Grimes

NO. # of bags. 418

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Bldg. **PROJECT #** WB-951321

INDUSTRIAL HYGIENIST Gregory Scott **DATE** 10/27/95

ABATEMENT CONTRACTOR Retro Environmental, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Inside	240	2.5	2335	0330	0.02 f/cc

LOCATION: **Rear of work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Outside	260	2.5	2340	0335	0.001 f/cc

LOCATION: **Containment work area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
08	Clean room	220	2.5	2340	0335	<0.01 f/cc

LOCATION: **Inside decon**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
09	Ambient	230	2.5	2345	0345	<0.01 f/cc

LOCATION: **Hallway near decon**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
10	Inside	580	2.5	0345	0730	0.01 f/cc

LOCATION: **Front of work area**

Unless otherwise noted, air samples are analyzed via phase contrast microscopy in accordance with NIOSH 7400 Methodology

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building, Garage

Project: P41069628

Location: 725 17th Street, NW

Date: 10/28/95

Removal Contractor: Retro Environmental, Inc.

Time Inspected: 0945

Monitoring Contractor: WEB Environmental Group

Time Completed: 1245

FINAL INSPECTION: The final inspection shall consist of a walk through inspection conducted by the IH contractor. He may at time be accompanied by the contracting Officer's Representative or a designee, a GSA Safety and Environmental Management representative, the IH contract's Certified Industrial Hygienist, the asbestos abatement contractor, a state or local government representative, the abatement contractor's Industrial Hygienist, a tenant representative or another interested party.

OBJECTIVE: The objective is that the ASBESTOS has been removed or abated as required in the CONTRACT. All parties should familiarize themselves with the provisions of the contract and the "Asbestos Removal/Abatement Scope of Work." This check list is to serve as a guide for the final inspection.

Activity to be checked		Within Limits	Problem Encountered
1. Residual dust on:	a. Floor	YES	
	b. Horizontal surfaces	YES	
(below eye level)	c. Pipes	YES	
	d. Ventilation equipment	YES	
	e. Horizontal surface	YES	
(above eye level)	f. Pipes	YES	
	g. Ductwork	YES	
	h. Registers	YES	
	i. Lights	YES	

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

As any dust found in the removal area is likely to be asbestos contaminated, in case of dispute, a small quantity of material may be sent to a designated laboratory for analysis.

FINAL AIR SAMPLING:

If all other tests and situations appear to be satisfactory, the final air tests will be taken.

Sample Number:	15	16	17	18	19
Location:	Rear end containment	Rear end work area	Center containment	Front side containment	Front of containment
Volume (Liters):	1800	1800	1800	1800	1800
Flow rate: (Liters/Minute)	15	15	15	15	15
Fibers/Filter:	4/100	2.5/100	2.5/100	1.5/100	1/100
Fibers/Cubic Cm:	0.001	0.0006	0.0006	0.0004	0.0002

ANALYSTS ANALYZING SAMPLING: Gregory Scott DATE: 10/28/95

Field Notes:

* Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

_____

_____

_____

_____

_____

REPORT PREPARED BY: Gregory Scott **DATE:** 10/28/95

REPORT REVIEWED BY: _____ **DATE:** _____

WEB ENVIRONMENTAL GROUP

Date 10/27/95
Job No. [illegible]
Job Name NEOB-GARAGE
Page 1 of

DAILY LOG SHEET

Time	Remarks
18:30	I.H. Scott arrived at the job site "NEOB - PARK GARAGE"
	After everyone was checked through the security desk, we were escorted to the B-1 Parking GARAGE
19:00	Retro workers started to prep the work area and set up the equipment.
19:30	Bob Reaver visited the job site
	I.H. Scott set pumps for the background samples
22:20	Upon completion of the containment Mr. Scott was ask to perform a preinspection
22:35	Break Time
23:45	Workers are suited up and wearing PAPR respirators. Workers are ready to start the removal process.
0-26	I.H. Scott checked the negetive presure
03:30	Eight workers come out for a break... while 8 others continue removal.
	I.H. informed the workers going in that they should use more water during removal.
	I.H. Scott changed inside cassetts.

95-629

Aerosol Monitoring & Analysis, Inc.

Environmental Consultants

June 20, 1995

Mrs. Normajean Eleazer
GSA Safety and Environmental Management
Rm. 2080, 7th & D Sts, SW
Washington, D.C. 20407

CONTRACT# GS11P92MJD0063
PO# P1195DC0162
ACT# P29048195

Re: Fiber in air sampling

Site: NYA GPO - GOP Field Plant
Washington, D.C.

AMA JOB # 32070

Dear Mrs. Eleazer:

On June 1, 1995, Christina Vodak of Aerosol Monitoring and Analysis, Inc. (AMA) was on site to perform fiber in air sampling at the above referenced job site. The work was performed as an annual event to determine ambient fiber levels within the GPO Field Plant Building.

During the sampling period, a total of 10 phase contrast microscopy (PCM) air samples were collected from areas throughout the Government Printing Office/Department Service Office. Samples were submitted to AMA Analytical Services, Inc., an AIHA accredited laboratory, for analysis under NIOSH Method 7400 by microscopists who have completed the NIOSH 582 equivalent class "Analyzing Airborne Fibers" and who are participants in the laboratory's quality assurance/quality control program. The results are listed in Table 1.

Based on the results of the fiber in air sampling conducted by AMA in the GPO/Department Service Office fiber levels were observed after laboratory analysis to be at or below the 0.015 f/cc level. Per GSA's request sample # 320700601 (0.015 f/cc) was upgraded to transmission electron microscopy (TEM). TEM analysis positively identifies asbestos as opposed to PCM which measures all types of fibers. The results of the TEM upgrades revealed concentrations of less than below 0.010structures per cubic centimeter s/cc of air (see Table 2).

Enclosed please find the laboratory results and copies of AMA's air monitoring data sheets. If you have any questions regarding this report please contact our office.

Sincerely,

Gary L. Urban
Project Manager

Attachments

1340 Ashton Road • P.O. Box 646 • Hanover, MD 21076 • 410-684-3327 • FAX: 410-684-3384

Table 1
Fiber In Air Results
Government Printing Office, Department Service Office
June 1, 1995

Sample Number	Location	Volume (L)	Result (f/cc)
32070060101	1st floor, room 105	1202.5	0.015*
32070060102	1st floor, room 104	1202.5	0.011
32070060103	1st floor, room 103	1202.5	<0.005
32070060104	1st floor, lobby	1202.5	<0.005
32070060105	1st floor, room 124 (center)	1202.5	<0.005
32070060106	1st floor, room 124 (NW)	1202.5	0.006
32070060107	1st floor, room 124 (NE)	1202.5	<0.005
32070060108	1st floor, room 123	1202.5	<0.005
32070060109	Field blank	-	0/100
32070060110	Field blank	-	0/100

* Samples upgraded to TEM analysis

Table 2
Fiber In Air TEM Upgrade Results
Government Printing Office, Department Service Office
June 1, 1995

Sample #	PCM Result f/cc	Structures/mm^2	Structures/cc	#/Type of Asbestos
32070060101	0.015	<30	<0.0097	3% Chrysotile

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

NVLAP

TO: G. Urban

FROM: H. Cheerthem

DATE: 6/2/95

RE: Chain Of Custody # 35103

Project Number 32070

The following PHASE CONTRAST SAMPLES were analyzed by AMA Analytical Services, Inc. You will be receiving a Certificate Of Analysis in the mail that pertain to the above Chain Of Custody number. If you have any questions regarding the analysis(es) or results, please contact me at (301)459-2640.

Thank you for using AMA Analytical, Services, Inc.

H. Cheerthem (Analyst)

Client Sample ID	AMA Sample #	F/cc
320700601		0.015
2		0.011
3		<0.005
4		<0.005
5		<0.005
6		0.006
7		<0.005
8		<0.005
9		zero fibers
10		zero fibers

AIR MONITORING DATA SHEET

PROJECT: Gov't Printing Office/Dept. Service Off
ADDRESS: N/A, Bldg 136, Mst SE Washington, DC
CONTRACTOR: N/A
DATE: 6/1/95
ACTIVITY: Fiber in Air
AMA JOB #: 32070

SAMPLED FOR:
- ☐ Asbestos: METHOD ☐ 7400 ☐ TEM; CASSETTE ☐ 25mm ☐ 37mm; FILTER ☐ MCE ☐ PC
- ☑ Airborne Dust
- ☐ Gas
- ☐ Vapor
- ☐ Other

Analytical Method 7400 Ambient Temp. 70°F

Protection Worn During Sampling:
- ☐ Full Body Coveralls
- ☐ Respirator-Air Purifying
- ☐ Respirator-Power Air Purifying
- ☐ Respirator-Supplied Air

N/A

PERSONAL SAMPLING DATA

Employee Sampled
Social Security No.
Smoker: ☐ Yes ☐ No
Job Function
Description of Activity:
Signature of Employee:

N/A

SAMPLE NO.	SAMPLE DATE	SAMPLE LOCATION
32070 0601 01	6/1/95	1st Floor, Rm 103 ≈1' N of S wall. ≈5' E of W wall ≈3' high carpet + 1x1 CT
32070 0601 02	6/1/95	1st Floor Rm 104 ≈1' N of S wall ≈1' W of E wall ≈3' high carpet + 1x1 CT
32070 0601 03	6/1/95	1st Floor Rm 103 ≈2' N of S wall ≈5' E of W wall ≈3' high Carpet + 1'x1' CT
32070 0601 04	6/1/95	1st Floor, lobby at entrance to bldg. ≈1' W of E wall. ≈15' S of N wall ≈3' high. carpet + 1x1 CT
32070 0601 05	6/1/95	1st Floor, Rm 124, center of room. ≈100' S of N wall. ≈100' E of W wall ≈3' high Concrete Floor + 2'x4' CT. Exposed duct work.
32070 0601 06	6/1/95	1st Floor, Rm 124, located in the NW area of room. ≈50' N of S wall ≈75' W of E wall. ≈4' high concrete floor + 2'x4' CT
32070 0601 07	6/1/95	1st Floor, Rm 124, located in the NE area. ≈20' from the loading dock ≈1' N of S wall, ≈5' W of E wall. ≈3' high Concrete floor + 2x4' CT

FIELD SAMPLE NO.	TEST PERIOD START	TEST PERIOD STOP	TEST PERIOD TOTAL (MIN.)	FLOW RATE SETTING START (LITERS/MIN.)	FLOW RATE SETTING STOP (LITERS/MIN.)	INSTRUMENT SERIAL NO.	SAMPLE TYPE AMBIENT	AREA	PERSONAL	FINAL	SAMPLE LOCATION IN WORK AREA	OUTSIDE WORK AREA	N/A
32070060101	0726	1336	370	3.25	3.25		✓						✓
32070060102	0730	1340	370	3.25	3.25	309-13							
32070060103	0733	1343	370	3.25	3.25	309-04							
32070060104	0735	1345	370	3.25	3.25	309-10							
32070060105	0745	1355	370	3.25	3.25	309-15							
32070060106	0749	1359	370	3.25	3.25	309-08							
32070060107	0750	1400	370	3.25	3.25	309-01-02	✓						✓

COMMENTS

LOT # M08-4152
Track # 9502-22
Rotometer # SR-20

Inspector: Christy Vodak (Print)
Christy Vodak (Signature)
Date: 6/1/95

007-10/88-3

AIR MONITORING DATA SHEET

PROJECT: Gout Printing Office/Dept Service Office

ADDRESS: NVA, Bldg 136 M St, SE Washington, DC

CONTRACTOR: N/A

DATE: 6/1/95

ACTIVITY:

AMA JOB #: 37070

SAMPLED FOR:

	METHOD	CASSETTE	FILTER
☐ Asbestos:	☐ 7400 ☐ TEM	☐ 25mm ☐ 37mm	☐ MCE ☐ PC
☑ Airborne Dust			
☐ Gas			
☐ Vapor			
☐ Other			

Analytical Method 7400 Ambient Temp. 70°F

Protection Worn During Sampling:

- ☐ Full Body Coveralls
- ☐ Respirator-Air Purifying
- ☐ Respirator-Power Air Purifying
- ☐ Respirator-Supplied Air

N/A

PERSONAL SAMPLING DATA

Employee Sampled
Social Security No.
Smoker: ☐ Yes ☐ No
Job Function
Description of Activity:

Signature of Employee:

N/A

SAMPLE NO.	SAMPLE DATE	SAMPLE LOCATION
32070 0601 08	6/1/95	1st Floor, Rm 123 ≈ 1' E of W wall x 6' N of S wall ≈ 4' high. Exposed duct work carpet + 2'x4' CT
32070 0601 09	6/1/95	Field Blank
32070 0601 10	6/1/95	Lab Blank
AND NO OTHERS		

FIELD SAMPLE NO.	TEST PERIOD START	TEST PERIOD STOP	TEST PERIOD TOTAL (MIN.)	FLOW RATE SETTING START (LITERS/MIN.)	FLOW RATE SETTING STOP (LITERS/MIN.)	INSTRUMENT SERIAL NO.	SAMPLE TYPE AMBIENT	SAMPLE TYPE AREA	SAMPLE TYPE PERSONAL	SAMPLE TYPE FINAL	SAMPLE LOCATION IN WORK AREA	SAMPLE LOCATION OUTSIDE WORK AREA	SAMPLE LOCATION N/A
32070060108	0952	1402	370	3.25	3.25	309-06	1						1
32070060109	— Field Blank												
32070060110	— Lab Blank												

COMMENTS

See Pg 1

Inspector: Christy Vodak (Print)

Christy Vodak (Signature)

Date: 6/1/95

007-10/88-3

PAGE 1 of 1

COC NUMBER 35103

PROJECT OR JOB SITE 32070

CLIENT Aerosol

CONTACT Gary Urban

AMA Analytical Services, Inc.

TRANSMISSION ELECTRON MICROSCOPY
ANALYTICAL RESULTS

DATE 6 / 15 / 95

SAMPLE TYPE PCM upgrade

ANALYSIS TYPE AHERA STYLE

CLIENT's RELEASE CRITERIA 0.0100 s/cc

CLIENT ID	AMA ID	ANALYTICAL SENSITIVITY s/mm²	s/cc	f/cc	s/ft²	ASBESTOS # / TYPE	ASBESTOS CONCENTRATION s/mm²	s/cc	ng/m3	wt%	s/ft²
32070601-01	9526092	8	0.0024			3-Chrysotile	<30	<0.0097			

ELECTRON MICROSCOPIST Ed Carnes

AVERAGE CONCENTRATION: (AHERA use only)

NOTE: For AHERA samples, the response action is complete and no further analysis is needed if the concentration of the samples within the work area is less than or equal to 70 structures per mm² (s/mm²). If no asbestos structures are detected in a sample, the number zero (0) will be used when computing the asbestos concentration. If asbestos is detected in a sample, the actual concentration, in s/mm², is used. On the Certificate of Analysis, the reported concentration will be stated at a 95% upper confidence limit for samples which are at or below your stated release criteria.

THESE SAMPLES WERE ANALYZED BY TRANSMISSION ELECTRON MICROSCOPY. A CERTIFICATE OF ANALYSIS WILL BE SENT TO YOU BY MAIL. IF YOU HAVE ANY QUESTIONS REGARDING THIS ANALYSIS, CONTACT AMA ANALYTICAL SERVICES AT (800) 346-0961 or (301) 459-2640.

JOB ASSIGNMENTS

FROM: **WPX**
TO: **Kelly A. Holland**
JOB NUMBER: **629**
BUILDING: **NYA GPO**
PROJECT: **F-I-A**
REMARKS:

DATE ASSIGNED: **06/23/95**
DATE DUE: **07/14/95**
DATE COMPLETED: __/__/__

94-728 CF
DC0105ZZ

Aerosol Monitoring & Analysis, Inc.

Environmental Consultants

JUN 21 9 ...

June 17, 1994

Mrs. Normajean Eleazer
GSA Safety and Environmental Management
Rm. 2080, 7th & D Sts, SW
Washington, D.C. 20407

CONTRACT# GS11P92MJD0063
PO# P1194DC9214
ACT# P19848813

Re: Fiber in air sampling

Site: New Executive Office Building
17th & H Streets, NW
Washington, DC

AMA JOB # 22092

Dear Mrs. Eleazer:

On June 6, 7 and 8, 1994, Bill Round of Aerosol Monitoring and Analysis, Inc. (AMA) was on site to perform fiber in air sampling at the above referenced job site. The work was performed as an annual event to determine ambient fiber levels. Upon completion of sample analysis, 2 of the 60 samples collected and analyzed by AMA were observed to be above 0.010 fibers per cubic centimeter of air (f/cc). The 2 samples were in turn analyzed by transmission electron microscopy (TEM) methods to determine if asbestos was present.

During the sampling period, a total of 60 phase contrast microscopy (PCM), and 2 transmission electron microscopy (TEM) air samples were collected from areas throughout the building. Samples were submitted to AMA Analytical Services, Inc., an AIHA accredited laboratory for analysis under NIOSH Method 7400 by microscopists who have completed the NIOSH 582 equivalent class "Analyzing Airborne Fibers" and who are participants in the laboratory's quality assurance/quality control program.

The results of the fiber in air sampling are as follows:

Sample #	Location	Volume (L)	Result (f/cc)
2092060601	10th floor, room 10202	1260	<0.005
2092060602	10th floor, room 10236	1260	<0.005
2092060603	10th floor, corridor, outside elevator #6	1260	<0.005
2092060604	10th floor, room 10103	1260	<0.005
2092060605	10th floor, room 10017	1260	<0.005
2092060606	9th floor, corridor, between elevators 2 and 3	1260	<0.005
2092060607	9th floor, room 9104	1260	<0.005

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Sample #	Location	Volume (L)	Result (f/cc)
2092060608	9th floor, room 9026	1260	<0.005
2092060609	9th floor, room 9208J	1260	<0.005
2092060610	9th floor, room 9226	1260	<0.005
2092060611	8th floor, corridor, outside elevator 5	1260	0.015*
2092060612	8th floor, room 8103	1260	0.007
2092060613	8th floor, room 8013	1260	0.008
2092060614	8th floor, room 8206	1260	0.013*
2092060615	8th floor, room 8221	1260	<0.005
2092060616	7th floor, room 7103	1260	<0.005
2092060617	7th floor, room 7026	1260	0.005
2092060618	7th floor, room 7203	1260	<0.005
2092060619	Field blank	-	0/100
2092060620	Field blank	-	0/100
2092060701	6th floor, corridor, beside elevator #6	1260	<0.005
2092060702	6th floor, health center	1260	<0.005
2092060703	6th floor, room 6025	1260	<0.005
2092060704	6th floor, room 6212	1260	<0.005
2092060705	6th floor, room 6225	1260	<0.005
2092060706	5th floor, corridor, by elevator #5	1260	<0.005
2092060707	5th floor, room 500	1260	<0.005
2092060708	5th floor, room 5013	1260	<0.005
2092060709	5th floor, room 5113	1260	<0.005
2092060710	5th floor, room 5227	1260	<0.005
2092060711	4th floor, corridor, by elevator #5	1260	<0.005
2092060712	4th floor, room 4216	1260	<0.005
2092060713	4th floor, room 4208	1260	<0.005
2092060714	4th floor, room 1013	1260	<0.005
2092060715	4th floor, room 4005	1260	<0.005
2092060716	3rd floor, corridor, by elevator #6	1260	<0.005

Sample #	Location	Volume (L)	Result (f/cc)
2092060717	3rd floor, room 3114	1260	<0.005
2092060718	3rd floor,	1260	<0.005
2092060719	Field blank	-	0/100
2092060720	Field blank	-	0/100
2092060801	Basement B-2, control room 206	1260	<0.005
2092060802	Basement B-2, mechanical room	1260	0.006
2092060803	Basement B-2, corridor, outside elevator #6	1260	<0.005
2092060804	Basement B-1, corridor, outside elevator #6	1260	<0.005
2092060805	Basement B-2, office SB-234	1260	<0.005
2092060806	Basement B-1 accross room B228	1260	<0.005
2092060807	Basement, room B-236	1260	<0.005
2092060808	Ground floor, corridor, outside elevator #3	1260	<0.005
2092060809	Ground floor, library	1260	<0.005
2092060810	Ground floor, G-203	1260	<0.005
2092060811	Ground floor, G-236	1260	<0.005
2092060812	Ground floor, G-220	1260	<0.005
2092060813	2nd floor, corridor, outside elevator #3	1260	<0.005
2092060814	2nd floor, room 2020	1260	<0.005
2092060815	2nd floor, gym	1260	<0.005
2092060816	2nd floor, main lobby (west)	1260	0.006
2092060817	2nd floor, room 2200	1260	<0.005
2092060818	2nd floor, cafeteria	1260	<0.005
2092060819	Field blank	-	0/100
2092060820	Field blank	-	0/100

* Sample numbers 2092060611 and 2092060614 were both <0.010 structures per cubic centimeter of air (s/cc) after TEM analysis.

Based on the results of the fiber in air sampling conducted by AMA at the New Executive Office Building fiber levels were observed to be at or below the 0.010 f/cc level by PCM or <0.010 s/cc for TEM.

Enclosed please find the laboratory results and copies of AMA's air monitoring data sheets. If you have any questions regarding this report please contact our office.

Sincerely,

Gary L. Urban
Project Manager

Attachments

AIR MONITORING DATA SHEET

PROJECT: New Executive Office Bldg.

ADDRESS: 17th and H Streets Washington, D.C. NW

CONTRACTOR: GSA

DATE: 6/6/94

ACTIVITY: Fiber-in-Air

AMA JOB #: 22092

SAMPLED FOR: METHOD / CASSETTE / FILTER

☒ Asbestos: ☒ 7400 ☐ TEM ☒ 25mm ☐ 37mm ☒ MCE ☐ PC

☐ Airborne Dust

☐ Gas

☐ Vapor

☐ Other

Analytical Method PCM Ambient Temp.

Protection Worn During Sampling:

☐ Full Body Coveralls

☐ Respirator-Air Purifying

☐ Respirator-Power Air Purifying

☐ Respirator-Supplied Air

PERSONAL SAMPLING DATA

Employee Sampled

Social Security No.

Smoker: ☐ Yes ☐ No

Job Function

Description of Activity:

Signature of Employee:

SAMPLE NO.	SAMPLE DATE	SAMPLE LOCATION
1092 0602 01 X	6/6/94	10th Floor, Rm 10202; ≈ 15' N of South ≈ 2' W of E wall, ≈ 4' high (Carpet, Drop Ceiling)
02 X	6/6/94	10th Floor, Rm 10236; ≈ 10' S of N wall ≈ 2' E of W wall, ≈ 4' high (Carpet, Drop Ceiling)
03 X	6/6/94	10th Floor, Corridor; Outside Elevator #6, ≈ 3' W of E #6, ≈ 4' high (Spray-on Ceiling, Floor Tile, Marble Walls)
04 X	6/6/94	10th Floor, Rm 10103; ≈ 2' E of W wall ≈ 15' S of N wall, ≈ 4' high (Carpet, Drop Ceiling)
05 X	6/6/94	10th Floor, Rm 10017; ≈ 2' N of S wall ≈ 3' W of E wall, ≈ 4' high (Carpet, Drop Ceiling)
06 X	6/6/94	9th Floor, Corridor; Between Elevators #2 and #3, ≈ 4' high (Spray-on Ceiling, Tile Floor, Marble Wall)
07 X	6/6/94	9th Floor, Rm 91041; ≈ 15' S of N wall ≈ 2' W of E wall, ≈ 5' high (Carpet, Drop Ceiling)

FIELD SAMPLE NO.	TEST PERIOD START	TEST PERIOD STOP	TEST PERIOD TOTAL (MIN.)	FLOW RATE SETTING START (LITERS/MIN.)	FLOW RATE SETTING STOP (LITERS/MIN.)	INSTRUMENT SERIAL NO.	SAMPLE TYPE AMBIENT	SAMPLE TYPE AREA	SAMPLE TYPE PERSONAL	SAMPLE TYPE FINAL	SAMPLE LOCATION IN WORK AREA	SAMPLE LOCATION OUTSIDE WORK AREA	SAMPLE LOCATION N/A
01	7:50	1:50	360	3.5	3.5			X					X
02	7:53	1:53	360	3.5	3.5			X					X
03	7:57	1:57	360	3.5	3.5			X					X
04	8:00	2:00	360	3.5	3.5			X					X
05	8:10	2:10	360	3.5	3.5			X					X
06	8:15	2:15	360	3.5	3.5			X					X
07	8:18	2:18	360	3.5	3.5			X					X

COMMENTS

Inspector: Bill Ronnd (Print)

Bill Ronnd (Signature)

Date: 6/6/94

~~22095~~

AIR MONITORING DATA SHEET

~~Mike Harmon~~
~~(202) 854-2086~~

PROJECT: New Exec Office Building
ADDRESS: 17th & H Streets

CONTRACTOR: GSA
DATE: 6/6/94
ACTIVITY: Fiber-in-Air
AMA JOB #: 22092

SAMPLED FOR:
- ☒ Asbestos: METHOD ☒ 7400 ☐ TEM; CASSETTE ☒ 25mm ☐ 37mm; FILTER ☒ MCE ☐ PC
- ☐ Airborne Dust
- ☐ Gas
- ☐ Vapor
- ☐ Other

Analytical Method PCM Ambient Temp.

Protection Worn During Sampling:
- ☐ Full Body Coveralls
- ☐ Respirator-Air Purifying
- ☐ Respirator-Power Air Purifying
- ☐ Respirator-Supplied Air

PERSONAL SAMPLING DATA
Employee Sampled
Social Security No.
Smoker: ☐ Yes ☐ No
Job Function
Description of Activity:

Signature of Employee:

SAMPLE NO.	SAMPLE DATE	SAMPLE LOCATION
08 X	6/6/94	9th Floor, Rm 9026; ≈ 10' S of N wall ≈ 2' E of W wall, ≈ 3' high (Carpet, Drop Ceiling)
09 X	6/6/94	9th Floor, Outside Rm 9208-J; ≈ 4' high (Carpet, Drop Ceiling)
10 X	6/6/94	9th Floor, Rm 9226; ≈ 15 S of N wall ≈ 10' W of Door, ≈ 4' high (Carpet, Drop Ceiling)
11 X	6/6/94	8th Floor, Corridor; Outside Elevator #5, ≈ 4' high (Tile Floor, Spray-on Ceiling, Marble Walls)
12 X	6/6/94	8th Floor, Rm 8103; ≈ 4' S of N wall ≈ 5' E of W wall, ≈ 4' high (Carpet, Drop Ceiling, * Construction in Rm)
13 X	6/6/94	8th Floor, Rm 8013; ≈ 10' E of W wall ≈ 3' high. Carpet Drop Ceiling
14 X	6/6/94	8th Floor, Rm 8206; ≈ 2' W of E wall ≈ 3' N of S wall, ≈ 4' high Carpet Drop Ceiling

FIELD SAMPLE NO.	TEST PERIOD START	TEST PERIOD STOP	TEST PERIOD TOTAL (MIN.)	FLOW RATE SETTING START (LITERS/MIN.)	FLOW RATE SETTING STOP (LITERS/MIN.)	INSTRUMENT SERIAL NO.	SAMPLE TYPE AMBIENT	SAMPLE TYPE AREA	SAMPLE TYPE PERSONAL	SAMPLE TYPE FINAL	SAMPLE LOCATION IN WORK AREA	SAMPLE LOCATION OUTSIDE WORK AREA	SAMPLE LOCATION N/A
08	8:22	2:22	360	3.5	3.5			X					X
09	8:27	2:27	360	3.5	3.5			X					X
10	8:33	2:33	360	3.5	3.5			X					X
11	8:37	2:37	360	3.5	3.5			X					X
12	8:40	2:40	360	3.5	3.5			X					X
13	8:45	2:45	360	3.5	3.5			X					X
14	8:50	2:50	360	3.5	3.5			X					X

COMMENTS

Inspector: Bill Round (Print)
Bill Round (Signature)
Date: 8/6/94

AIR MONITORING DATA SHEET

PROJECT: New Exec Office Bldg

ADDRESS: 77th & H St

CONTRACTOR: GSA

DATE: 6/6/94

ACTIVITY: Fiberglass Air

AMA JOB #: 22092

SAMPLED FOR:

- [x] Asbestos: METHOD [x] 7400 ☐ TEM; CASSETTE [x] 25mm ☐ 37mm; FILTER [x] MCE ☐ PC
- ☐ Airborne Dust
- ☐ Gas
- ☐ Vapor
- ☐ Other

Analytical Method PCM Ambient Temp.

Protection Worn During Sampling:

- ☐ Full Body Coveralls
- ☐ Respirator-Air Purifying
- ☐ Respirator-Power Air Purifying
- ☐ Respirator-Supplied Air

PERSONAL SAMPLING DATA

Employee Sampled

Social Security No.

Smoker: ☐ Yes ☐ No

Job Function

Description of Activity:

Signature of Employee:

SAMPLE NO.	SAMPLE DATE	SAMPLE LOCATION
15 X		8th Floor, Rm 8221; N wall, ≈ 15' W of E ≈ 4' high Carpet Drop Ceiling
16 X		7th Floor, Rm 7103; ≈ 1' W of E wall ≈ 10' N of S wall, ≈ 4' high (Carpet, Drop Ceiling)
17 X		7th Floor, Rm 7026; ≈ 3' N of S ≈ 3' W of E wall, ≈ 4' high (Carpet Drop Ceiling)
18 X		7th Floor, Rm 7203; ≈ 2' N of S wall ≈ 5' E of W wall (Carpet, Drop Ceiling)
19		BLANK
20		BLANK

FIELD SAMPLE NO.	TEST PERIOD START	TEST PERIOD STOP	TEST PERIOD TOTAL (MIN.)	FLOW RATE SETTING START (LITERS/MIN.)	FLOW RATE SETTING STOP (LITERS/MIN.)	INSTRUMENT SERIAL NO.	SAMPLE TYPE AMBIENT	SAMPLE TYPE AREA	SAMPLE TYPE PERSONAL	SAMPLE TYPE FINAL	SAMPLE LOCATION IN WORK AREA	SAMPLE LOCATION OUTSIDE WORK AREA	SAMPLE LOCATION N/A
15	8:55	2:55	360	3.5	3.5			X					X
16	8:58	2:58	360	3.5	3.5			X					X
17	9:02	3:02	360	3.5	3.5			X					X
18	9:05	3:05	360	3.5	3.5			X					X
19	BLANK			BLANK				X					X
20	BLANK			BLANK				X					X
								X					X

COMMENTS

Inspector: Bill Round (Print)

Bill Round (Signature)

Date: 6/6/94

007-10/88-3

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

NVLAP

TO: Gary Urban

FROM: Dmitri A. Reavis

DATE: 6/7/94

RE: Chain Of Custody # 28800

The following PHASE CONTRAST SAMPLES were analyzed by AMA Analytical Services, Inc. You will be receiving a Certificate Of Analysis in the mail that pertain to the above Chain Of Custody number. If you have any questions regarding the analysis(es) or results, please contact me at (301)459-2640.

Thank you for using AMA Analytical, Services, Inc.

Dmitri A. Reavis (Analyst)

Client Sample ID	AMA Sample #	F/cc
20920606 01		< 0.005
02		< 0.005
03		< 0.005
04		< 0.005
05		< 0.005
06		< 0.005
07		< 0.005
08		< 0.005
09		< 0.005
10		< 0.005
11		0.015
12		0.007

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AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

NVLAP

TO: Gary Urbam

FROM: Dmitri A. Reavis

DATE: 6/7/94

RE: Chain Of Custody # 28800

The following PHASE CONTRAST SAMPLES were analyzed by AMA Analytical Services, Inc. You will be receiving a Certificate Of Analysis in the mail that pertain to the above Chain Of Custody number. If you have any questions regarding the analysis(es) or results, please contact me at

Thank you for using AMA Analytical, Services, Inc.

(Analyst)

Client Sample ID	AMA Sample #	F/cc
13		0.008
14		0.013
15		<0.005
16		<0.005
17		0.005
18		<0.005
19		Blank 1/100
20		Blank 0/100

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PAGE 1 of 1

COC NUMBER 28800

PROJECT OR JOB SITE 22092

CLIENT AEROSOL MONITORING

CONTACT GARY URBAN

AMA Analytical Services, Inc.

TRANSMISSION ELECTRON MICROSCOPY
ANALYTICAL RESULTS

DATE 6 / 17 / 94

SAMPLE TYPE AIR

ANALYSIS TYPE TEM

CLIENT's RELEASE CRITERIA 0.010 S/cc

CLIENT ID	AMA ID	ANALYTICAL SENSITIVITY s/mm²	s/cc	f/cc	s/ft²	ASBESTOS # / TYPE	ASBESTOS CONCENTRATION s/mm²	s/cc	ng/m3	wt%	s/ft²
2092060614		8	0.0025			2 CHRYSOTILE	<32	<0.0099			
2092060614		8	0.0025			0	<32	<0.0099			

ELECTRON MICROSCOPIST LUIS BUSTILLOS

AVERAGE CONCENTRATION: (AHERA use only)

NOTE: For AHERA samples, the response action is complete and no further analysis is needed if the concentration of the samples within the work area is less than or equal to 70 structures per mm² (s/mm²). If no asbestos structures are detected in a sample, the number zero (0) will be used when computing the asbestos concentration. If asbestos is detected in a sample, the actual concentration, in s/mm², is used. On the Certificate of Analysis, the reported concentration will be stated at a 95% upper confidence limit for samples which are at or below your stated release criteria.

THESE SAMPLES WERE ANALYZED BY TRANSMISSION ELECTRON MICROSCOPY. A CERTIFICATE OF ANALYSIS WILL BE SENT TO YOU BY MAIL. IF YOU HAVE ANY QUESTIONS REGARDING THIS ANALYSIS, CONTACT AMA ANALYTICAL SERVICES AT (800) 346-0961 or (301) 459-2640.

AIR MONITORING DATA SHEET

PROJECT: New Exec Office Bldg

ADDRESS: 17th & H St NW
Washington, D.C.

CONTRACTOR: GSA

DATE: 6/7/94

ACTIVITY: Fiberous Air

AMA JOB #: 22092

SAMPLED FOR: (METHOD: 7400 ☐ TEM; CASSETTE: 25mm ☐ 37mm; FILTER: MCE ☐ PC)

- ☒ Asbestos:
- ☐ Airborne Dust
- ☐ Gas
- ☐ Vapor
- ☐ Other

Analytical Method PCM Ambient Temp.

Protection Worn During Sampling:

- ☐ Full Body Coveralls
- ☐ Respirator-Air Purifying
- ☐ Respirator-Power Air Purifying
- ☐ Respirator-Supplied Air

PERSONAL SAMPLING DATA

Employee Sampled
Social Security No.
Smoker: ☐ Yes ☐ No
Job Function
Description of Activity:

Signature of Employee:

SAMPLE NO.	SAMPLE DATE	SAMPLE LOCATION
2092 0607 01 X	6/7/94	6th Floor, Corridor; ≈4' high, beside #6 elevator (Floor Tile, Spray-on Ceiling, Mask Wall)
2092 0607 02 X	6/7/94	6th Floor, Health Center; ≈10' E of W wall ≈6' N of S wall, ≈4' high (Carpet, Ceiling Tile)
2092 0607 03 X	6/7/94	6th Floor, Rm 6025; ≈6 E of W ≈14' N of S & ≈5' high (Carpet, Ceiling Tile)
2092 0607 04 X	6/7/94	6th Floor, Rm 6212; ≈4' W of E ≈4' N of S; ≈4' high Carpet, Ceiling Tile
2092 0607 05 X	6/7/94	6th Floor, Rm 6225; ≈12' W of E ≈6' N of S, ≈4' high (Carpet, Ceiling Tile)
2092 0607 06 X	6/7/94	5th Floor, Corridor; By Elevator #5 ≈4' high (Floor Tile, Spray-on Ceiling, Mask Wall)
2092 0607 07 X	6/7/94	5th Floor, Rm 5001; ≈8' S of N, ≈10' W of E, ≈4' high Carpet, Ceiling Tile

FIELD SAMPLE NO.	TEST PERIOD START	TEST PERIOD STOP	TEST PERIOD TOTAL (MIN.)	FLOW RATE SETTING START (LITERS/MIN.)	FLOW RATE SETTING STOP (LITERS/MIN.)	INSTRUMENT SERIAL NO.	SAMPLE TYPE AMBIENT	SAMPLE TYPE AREA	SAMPLE TYPE PERSONAL	SAMPLE TYPE FINAL	SAMPLE LOCATION IN WORK AREA	SAMPLE LOCATION OUTSIDE WORK AREA	SAMPLE LOCATION N/A
20920607 01	8:00	2:00	360	3.5	3.5			X					X
20920607 02	8:03	2:03	360	3.5	3.5			X					X
20920607 03	8:07	2:07	360	3.5	3.5			X					X
20920607 04	8:10	2:10	360	3.5	3.5			X					X
20920607 05	8:13	2:13	360	3.5	3.5			X					X
20920607 06	8:16	2:16	360	3.5	3.5			X					X
20920607 07	8:20	2:20	360	3.5	3.5			X					X

COMMENTS

Inspector: Bill Rand (Print)
Bill Rand (Signature)

Date: 6/7/94

AIR MONITORING DATA SHEET

PROJECT: New Exec Office Bldg

ADDRESS: 17th & H st NW Washington, D.C.

CONTRACTOR: GSA

DATE: 6/7/94

ACTIVITY: Fiber-in-Air

AMA JOB #: 22092

SAMPLED FOR:

☒ Asbestos: METHOD ☑ 7400 ☐ TEM CASSETTE ☑ 25mm ☐ 37mm FILTER ☑ MCE ☐ PC

☐ Airborne Dust

☐ Gas

☐ Vapor

☐ Other

Analytical Method PCM Ambient Temp.

Protection Worn During Sampling:

☐ Full Body Coveralls

☐ Respirator-Air Purifying

☐ Respirator-Power Air Purifying

☐ Respirator-Supplied Air

PERSONAL SAMPLING DATA

Employee Sampled

Social Security No.

Smoker: ☐ Yes ☐ No

Job Function

Description of Activity:

Signature of Employee:

SAMPLE NO.	SAMPLE DATE	SAMPLE LOCATION
2092 0607 08	6/7/94 X	5th Floor, Rm 5013; ≈ 6' W of E ≈ 12' N of S ≈ 4' high (Carpet, Ceiling Tile)
2092 0607 09	6/7/94 X	5th Floor, Rm 5113; ≈ 2' N of S ≈ 10' E of W, Storage (Floor Tile)
2092 0607 10	6/7/94 X	5th Floor, Rm 5223; ≈ 10' S of N ≈ 16' E of W ≈ 4' high (Carpet, Ceiling Tile)
2092 0607 11	6/7/94 X	4th Floor, Corridor, by Elevator #5 ≈ 4' high (Floor Tile, Spray-on Ceiling, Marble Walls)
2092 0607 12	6/7/94 X	4th Floor, Rm 4216; ≈ 10' N of S ≈ 4' E of W, ≈ 4' high (Carpet Ceiling Tile)
2092 0607 13	6/7/94 X	4th Floor, Rm 4208; ≈ 6' S of N ≈ 5' E of W, ≈ 3' high (Carpet Ceiling Tile)
2092 0607 14	6/7/94 X	4th Floor, Rm 4013; ≈ 5' E of W ≈ 6' N of S; ≈ 4' high (Carpet, Ceiling Tile)

FIELD SAMPLE NO.	TEST PERIOD START	TEST PERIOD STOP	TEST PERIOD TOTAL (MIN.)	FLOW RATE SETTING START (LITERS/MIN.)	FLOW RATE SETTING STOP (LITERS/MIN.)	INSTRUMENT SERIAL NO.	SAMPLE TYPE AMBIENT	SAMPLE TYPE AREA	SAMPLE TYPE PERSONAL	SAMPLE TYPE FINAL	SAMPLE LOCATION IN WORK AREA	SAMPLE LOCATION OUTSIDE WORK AREA	SAMPLE LOCATION N/A
20920607 08	8:24	2:24	360	3.5	3.5			X					X
20920607 09	8:26	2:26	360	3.5	3.5			X					X
20920607 10	8:30	2:30	360	3.5	3.5			X					X
20920607 11	8:33	2:33	360	3.5	3.5			X					X
20920607 12	8:37	2:37	360	3.5	3.5			X					X
20920607 13	8:40	2:40	360	3.5	3.5			X					X
20920607 14	8:44	2:44	360	3.5	3.5			X					X

COMMENTS

Inspector: Bill Reed (Print)

Bill Reed (Signature)

Date: 6/7/94

AIR MONITORING DATA SHEET

PROJECT: New Exec Office Bldg

ADDRESS: 17th & H St. NW Washington, D.C.

CONTRACTOR: GSA

DATE: 6/7/94

ACTIVITY: Fiber-in-Air

AMA JOB #: 22892

SAMPLED FOR: METHOD 7400 ☐ TEM; CASSETTE 25mm ☐ 37mm; FILTER MCE ☐ PC

- ☒ Asbestos: ☒ 7400 ☐ TEM ☒ 25mm ☐ 37mm ☒ MCE ☐ PC
- ☐ Airborne Dust
- ☐ Gas
- ☐ Vapor
- ☐ Other

Analytical Method PCM Ambient Temp.

Protection Worn During Sampling:

- ☐ Full Body Coveralls
- ☐ Respirator-Air Purifying
- ☐ Respirator-Power Air Purifying
- ☐ Respirator-Supplied Air

PERSONAL SAMPLING DATA

Employee Sampled

Social Security No.

Smoker: ☐ Yes ☐ No

Job Function

Description of Activity:

Signature of Employee:

SAMPLE NO.	SAMPLE DATE	SAMPLE LOCATION
2092 0607 15 X	6/7/94	4th Floor, Rm 4005; ≈ 1' West; ≈ 3' E of W; ≈ 3' high (Carpet, Ceiling Tile)
2092 0607 16 X	6/7/94	3rd Floor, Corridor, by Elevator #6 ≈ 4' high (Floor Tile, Spray-on Ceiling, Mastic Valve)
2092 0607 17 X	6/7/94	3rd Floor, Rm 3114; ≈ 6' West; ≈ 4' E of W, ≈ 5' high (Carpet, ceiling Tile)
2092 0607 18	6/7/94	3rd Floor, Rm 3208; ≈ 16' North; ≈ 10 W of E, ≈ 4' high Carpet Ceiling Tile
2092 0607 19	6/7/94	BLANK
2092 0607 20	6/7/94	BLANK

FIELD SAMPLE NO.	TEST PERIOD START	TEST PERIOD STOP	TEST PERIOD TOTAL (MIN.)	FLOW RATE SETTING START (LITERS/MIN.)	FLOW RATE SETTING STOP (LITERS/MIN.)	INSTRUMENT SERIAL NO.	SAMPLE TYPE AMBIENT	SAMPLE TYPE AREA	SAMPLE TYPE PERSONAL	SAMPLE TYPE FINAL	SAMPLE LOCATION IN WORK AREA	SAMPLE LOCATION OUTSIDE WORK AREA	SAMPLE LOCATION N/A
20920607 15	8:47	2:47	360	3.5	3.5			X					X
20920607 16	8:51	2:51	360	3.5	3.5			X					X
20920607 17	8:55	2:55	360	3.5	3.5			X					X
20920607 18	8:59	2:59	360	3.5	3.5			X					X
20920607 19	BLANK		360	3.5	3.5			X					X
20920607 20	BLANK		360	3.5	3.5			X					X

COMMENTS

Inspector: Bill Renard (Print)

Bill Renard (Signature)

Date: 6/7/94

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

NVLAP

TO: Gary Urban

FROM: [illegible] A. Reavis

DATE: 6/8/94

RE: Chain Of Custody # 28805

The following PHASE CONTRAST SAMPLES were analyzed by AMA Analytical Services, Inc. You will be receiving a Certificate Of Analysis in the mail that pertain to the above Chain Of Custody number. If you have any questions regarding the analysis(es) or results, please contact me at (301)459-2640.

Thank you for using AMA Analytical, Services, Inc.

[illegible] (Analyst)

Client Sample ID	AMA Sample #	F/cc
13		<0.005
14		<0.005
15		<0.005
16		<0.005
17		<0.005
18		<0.005
19		Blank 1.5/100
20		Blank 1/100

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AIR MONITORING DATA SHEET

PROJECT: New Exec Office Bldg
ADDRESS: 17th & H Street NW
Washington, D.C.
CONTRACTOR: GSA
DATE: 6/8/94
ACTIVITY: Fiber-in-Air
AMA JOB #: 22092

SAMPLED FOR: METHOD CASSETTE FILTER
☒ Asbestos: ☒ 7400 ☐ TEM ☒ 5mm ☐ 37mm ☒ MCE ☐ PC
☐ Airborne Dust
☐ Gas
☐ Vapor
☐ Other
Analytical Method PCM Ambient Temp.

Protection Worn During Sampling:

☐ Full Body Coveralls
☐ Respirator-Air Purifying
☐ Respirator-Power Air Purifying
☐ Respirator-Supplied Air

PERSONAL SAMPLING DATA

Employee Sampled
Social Security No.
Smoker: ☐ Yes ☐ No
Job Function
Description of Activity:
Signature of Employee:

SAMPLE NO.	SAMPLE DATE	SAMPLE LOCATION
2092 0608 01	6/8/94	Mechanical Room, Basement B2 SB 204; Control Room, ≈ 2' West E, ≈ 4' North S, ≈ 4' high Floor Tile, Drop ceiling
2092 0608 02	6/8/94	Basement B-2, Mechanical Room; ≈ 10' West Door, ≈ 4' Line (Tile Floor, Pipes, HVAC units)
2092 0608 03	6/8/94	Basement B-2, corridor, Outside Elevator #6 ≈ 4' high, (Floor Tile, Spray-on Ceiling)
2092 0608 04 X	6/8/94	Basement B-1, corridor; Outside Elevator #6 ≈ 4' high
2092 0608 05 X	6/8/94	Basement B-2, Office SB-234 ≈ 10' North S wall, ≈ 2' E of W, ≈ 4' high (Carpet Drop Ceiling)
2092 0608 06 X	6/8/94	Basement B-1, across from Rm B-228 ≈ 4' high Ceiling Tile, Plaster Ceiling
2092 0608 07 X	6/8/94	Basement B-1, Rm B-226 ≈ 4' North wall, ≈ 10' E of West ≈ 4' high Floor Tile

FIELD SAMPLE NO.	TEST PERIOD START	TEST PERIOD STOP	TEST PERIOD TOTAL (MIN.)	FLOW RATE SETTING START (LITERS/MIN.)	FLOW RATE SETTING STOP (LITERS/MIN.)	INSTRUMENT SERIAL NO.	SAMPLE TYPE AMBIENT	SAMPLE TYPE AREA	SAMPLE TYPE PERSONAL	SAMPLE TYPE FINAL	SAMPLE LOCATION IN WORK AREA	SAMPLE LOCATION OUTSIDE WORK AREA	SAMPLE LOCATION N/A
209206 0801	8:00	2:00	360	3.5	3.5			X					X
209206 0802	8:03	2:03	360	3.5	3.5			X					X
209206 0803	8:07	2:07	360	3.5	3.5			X					X
209206 0804	8:11	2:11	360	3.5	3.5			X					X
209206 0805	8:15	2:15	360	3.5	3.5			X					X
209206 0806	8:18	2:18	360	3.5	3.5			X					X
209206 0807	8:22	2:22	360	3.5	3.5			X					X

COMMENTS

Inspector: Bill Round (Print)
Bill Round (Signature)
Date: 6/8/94

007-10/88-3

AIR MONITORING DATA SHEET

PROJECT: New Exec Office Building
ADDRESS: 17th & H St NW Washington, D.C.
CONTRACTOR: GSA
DATE: 6/8/94
ACTIVITY: Fiber-in-Air
AMA JOB #: 22092

SAMPLED FOR:
☒ Asbestos: METHOD ☒ 7400 ☐ TEM CASSETTE ☒ 25mm ☐ 37mm FILTER ☒ MCE ☐ PC
☐ Airborne Dust
☐ Gas
☐ Vapor
☐ Other
Analytical Method PCM Ambient Temp.

Protection Worn During Sampling:
☐ Full Body Coveralls
☐ Respirator-Air Purifying
☐ Respirator-Power Air Purifying
☐ Respirator-Supplied Air

PERSONAL SAMPLING DATA
Employee Sampled
Social Security No.
Smoker: ☐ Yes ☐ No
Job Function
Description of Activity:
Signature of Employee:

SAMPLE NO.	SAMPLE DATE	SAMPLE LOCATION
2092 0608 08 X	6/8/94	Ground Floor, Corridor; Outside Elevator #3 ≈4' high Floor Tile, Sprayon Ceiling, Marble Wall
2092 0608 09 X	6/8/94	Ground Floor, Library; ≈ 30' N of S DD #JK468 ≈ 15' E of W wall, ≈5' high Carpet, Drop Ceiling
2092 0608 10 X	6/8/94	Ground Floor, G-203, ≈ 1' E of W wall ≈ 20' S of N wall, ≈ 5' high Drop Ceiling, Floor Tile
2092 0608 11 X	6/8/94	Ground Floor, G-236; ≈ 2' E of W ≈ 5 S of N wall, ≈ 5' high Carpet, Drop Ceiling
2092 0608 12 X	6/8/94	Ground Floor, G-220; ≈ 2' S of N ≈ 25' E of W ≈ 5' high (Carpet, Floor Tile, Drop Ceiling)
2092 0608 13 X	6/8/94	2nd Floor, Corridor; Outside Elevator #3, ≈ 4' high (Floor Tile, Wood and Plaster Ceiling)
2092 0608 14 X	6/8/94	2nd Floor, Rm 2020; ≈ 20 E of W ≈ 1' N of S ≈ 4' high Carpet Drop Ceiling

FIELD SAMPLE NO.	TEST PERIOD START	TEST PERIOD STOP	TEST PERIOD TOTAL (MIN.)	FLOW RATE SETTING START (LITERS/MIN.)	FLOW RATE SETTING STOP (LITERS/MIN.)	INSTRUMENT SERIAL NO.	SAMPLE TYPE AMBIENT	SAMPLE TYPE AREA	SAMPLE TYPE PERSONAL	SAMPLE TYPE FINAL	SAMPLE LOCATION IN WORK AREA	SAMPLE LOCATION OUTSIDE WORK AREA	SAMPLE LOCATION N/A
209206 0808	8:27	2:27	360	3.5	3.5			X					X
209206 0809	8:30	2:30	360	3.5	3.5			X					X
209206 0810	8:33	2:33	360	3.5	3.5			X					X
209206 0811	8:36	2:36	360	3.5	3.5			X					X
209206 0812	8:39	2:39	360	3.5	3.5			X					X
209206 0813	8:43	2:43	360	3.5	3.5			X					X
209206 0814	8:46	2:46	360	3.5	3.5			X					X

COMMENTS
Rm 2020, Occupants complain of Black Dust nuggets (charcoal) Falling periodically

Inspector: Bill Round (Print)
Bill Round (Signature)
Date: 6/8/94

007-10/88-3

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

NVLAP

TO: Gary Urban

FROM: Dmitri A. Reavis

DATE: 6/8/94

RE: Chain Of Custody # 28805

The following PHASE CONTRAST SAMPLES were analyzed by AMA Analytical Services, Inc. You will be receiving a Certificate Of Analysis in the mail that pertain to the above Chain Of Custody number. If you have any questions regarding the analysis(es) or results, please contact me at (301)459-2640.

Thank you for using AMA Analytical, Services, Inc.

Dmitri A. Reavis (Analyst)

Client Sample ID	AMA Sample #	F/cc
20920607 01		<0.005
02		<0.005
03		<0.005
04		<0.005
05		<0.005
06		<0.005
07		<0.005
08		<0.005
09		<0.005
10		<0.005
11		<0.005
12		<0.005

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AIR MONITORING DATA SHEET

PROJECT: New Exec Office Bldg
ADDRESS: 17th & H St NW Washington, D.C.
CONTRACTOR: GSA
DATE: 6/8/94
ACTIVITY: Fiberglass Air
AMA JOB #: 22092

SAMPLED FOR: METHOD / CASSETTE / FILTER
- [x] Asbestos: [x] 7400 ☐ TEM [x] 25mm ☐ 37mm [x] MCE ☐ PC
- ☐ Airborne Dust
- ☐ Gas
- ☐ Vapor
- ☐ Other

Analytical Method PCM Ambient Temp.

Protection Worn During Sampling:
- ☐ Full Body Coveralls
- ☐ Respirator-Air Purifying
- ☐ Respirator-Power Air Purifying
- ☐ Respirator-Supplied Air

PERSONAL SAMPLING DATA
Employee Sampled
Social Security No.
Smoker: ☐ Yes ☐ No
Job Function
Description of Activity:
Signature of Employee:

SAMPLE NO.	SAMPLE DATE	SAMPLE LOCATION
2092 0608 15	6/8/94 X	2nd Floor, Gym; ≈ 4' W of E ≈ 12' S of W ≈ 5' high (Carpet, Plaster Ceiling)
2092 0608 16	6/8/94 X	2nd Floor, Main Lobby; (West) ≈ 4' high, South Pillar Facing North (Floor Tile, Plaster Ceiling)
2092 0608 17	6/8/94 X	2nd Floor, R2200; ≈ 10' N of S, ≈ 8' E of W ≈ 5' high Carpet, Plaster Ceiling
2092 0608 18	6/8/94 X	2nd Floor, Cafeteria; ≈ 15' West E ≈ 10' N of S ≈ 5' high (Carpet, ½ Floor Tile, ½ Plaster Ceiling, ½ Tile)
2092 0608 19	6/8/94	Blank
2092 0608 20	6/8/94	Blank

FIELD SAMPLE NO.	TEST PERIOD START	TEST PERIOD STOP	TEST PERIOD TOTAL (MIN.)	FLOW RATE SETTING START (LITERS/MIN.)	FLOW RATE SETTING STOP (LITERS/MIN.)	INSTRUMENT SERIAL NO.	SAMPLE TYPE AMBIENT	SAMPLE TYPE AREA	SAMPLE TYPE PERSONAL	SAMPLE TYPE FINAL	SAMPLE LOCATION IN WORK AREA	SAMPLE LOCATION OUTSIDE WORK AREA	SAMPLE LOCATION N/A
209206 0815	8:49	2:49	360	3.5	3.5			X					X
209206 0816	8:53	2:53	360	3.5	3.5			X					X
209206 0817	8:57	2:57	360	3.5	3.5			X					X
209206 0818	9:00	3:00	360	3.5	3.5			X					X
209206 0819	Blank			Blank									
209206 0820	Blank			Blank									

COMMENTS

Inspector: Bill Round (Print)
Bill Round (Signature)
Date: 6/8/94

007-10/88-3

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

NVLAP

TO: Gary Urban

FROM: Dmitri A. Reavis

DATE: 6/9/94

RE: Chain Of Custody # 20881

The following PHASE CONTRAST SAMPLES were analyzed by AMA Analytical Services, Inc. You will be receiving a Certificate Of Analysis in the mail that pertain to the above Chain Of Custody number. If you have any questions regarding the analysis(es) or results, please contact me at (301)459-2640.

Thank you for using AMA Analytical, Services, Inc.

(Analyst)

Client Sample ID	AMA Sample #	F/cc
20920608 01		<0.005
02		0.006
03		<0.005
04		<0.005
05		<0.005
06		<0.005
07		<0.005
08		<0.005
09		<0.005
10		<0.005
11		<0.005
12		<0.005

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4485 Forbes Boulevard · Lanham, MD 20706 · (301)459-2640 · (800)346-0961 · FAX (301)459-2643

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

NVLAP

TO: Gary Urban

FROM: Dmitri A. Reavis

DATE: 6/9/94

RE: Chain Of Custody # 20881

The following PHASE CONTRAST SAMPLES were analyzed by AMA Analytical Services, Inc. You will be receiving a Certificate Of Analysis in the mail that pertain to the above Chain Of Custody number. If you have any questions regarding the analysis(es) or results, please contact me at (301)459-2640.

Thank you for using AMA Analytical, Services, Inc.

(Analyst)

Client Sample ID	AMA Sample #	F/cc
13		<0.005
14		<0.005
15		<0.005
16		0.006
17		<0.005
18		<0.005
19		Blank 1/100
20		Blank 2.5/100

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JOB ASSIGNMENTS

FROM: **WPX**
TO: **Kelly A. Holland**
JOB NUMBER: **728**
BUILDING: **NEOB**
PROJECT: **F-I-A**
REMARKS:

==========

DATE ASSIGNED: **06/22/94**
DATE DUE: **07/14/94**
DATE COMPLETED: __/__/__

D. McCauley

JUN 27 1994

JUN 21 1995

Aerosol Monitoring & Analysis, Inc.

Environmental Consultants

June 5, 1995

Mrs. Normajean Eleazer
GSA Safety and Environmental Management
Rm. 2080, 7th & D Sts, SW
Washington, D.C. 20407

CONTRACT# GS11P92MJD0063
PO# P1195DC0166
ACT# P29048085

Re: Fiber in air sampling

Site: New Executive Office Building
725 17th Street, NW
Washington, D.C.

AMA JOB # 32052

Dear Mrs. Eleazer:

On May 22 and 23, 1995, William Round of Aerosol Monitoring and Analysis, Inc. (AMA) was on site to perform fiber in air sampling at the above referenced job site. The work was performed as an annual event to determine ambient fiber levels. All samples collected and analyzed by AMA were below 0.010 f/cc within the New Executive Office Building.

During the sampling period, a total of 50 phase contrast microscopy (PCM) air samples were collected from areas throughout the building. The areas included the ground, basements 1, 2 and floors 1-10. Samples were submitted to AMA Analytical Services, Inc., an AIHA accredited laboratory, for analysis under NIOSH Method 7400 by microscopists who have completed the NIOSH 582 equivalent class "Analyzing Airborne Fibers" and who are participants in the laboratory's quality assurance/quality control program. The results are listed in Table 1.

Based on the results of the fiber in air sampling conducted by AMA at the New Executive Office Building, fiber levels were observed after laboratory analysis to be below the 0.01 f/cc level.

Enclosed please find the laboratory results and copies of AMA's air monitoring data sheets. If you have any questions regarding this report please contact our office.

Sincerely,

Gary L. Urban
Project Manager

Attachments

1340 Ashton Road • P.O. Box 646 • Hanover, MD 21076 • 410-684-3327 • FAX: 410-684-3384

Table 1
Fiber In Air Results
New Executive Office Building
May 22 and 23, 1995

Sample #	Location	Volume (L)	Result (f/cc)
32052052201	10th floor, room 10235	1203	<0.005
32052052202	10th floor, room 10021	1203	<0.005
32052052203	10th floor, room 10002	1203	<0.005
32052052204	10th floor, elevator lobby	1203	<0.005
32052052205	9th floor, room 9116	1203	<0.005
32052052206	9th floor, west corridor	1203	<0.005
32052052207	9th floor, room 9002	1203	<0.005
32052052208	9th floor,,elevator lobby	1203	<0.005
32052052209	8th floor, room 8104	1203	<0.005
32052052210	8th floor, east corridor	1203	<0.005
32052052211	8th floor, elevator lobby	1203	<0.005
32052052212	7th floor, room 7002	1203	<0.005
32052052213	7th floor, room 7025	1203	<0.005
32052052214	7th floor, room 7211	1203	<0.005
32052052215	7th floor, elevator lobby	1203	<0.005
32052052216	6th floor, room 6225	1203	<0.005
32052052217	6th floor, west corridor	1203	<0.005
32052052218	6th floor, room 6011	1203	<0.005
32052052219	6th floor, elevator lobby	1203	<0.005
32052052220	5th floor, room 5013	1203	<0.005
32052052221	5th floor, west corridor	1203	<0.005
32052052222	5th floor, elevator lobby	1203	<0.005
32052052223	8th floor, room 8215	1203	<0.005
32052052224	Field blank	-	0/100
32052052225	Field blank	-	0/100
32052052301	4th floor, room 4116	1203	<0.005

Sample #	Location	Volume (L)	Result (f/cc)
32052052302	4th floor, corridor	1203	<0.005
32052052303	4th floor, room 4013	1203	<0.005
32052052304	4th floor, elevator lobby	1203	<0.005
32052052305	3rd floor, 3000 corridor	1203	<0.005
32052052306	3rd floor, room 3202	1203	<0.005
32052052307	3rd floor, 3200 corridor	1203	<0.005
32052052308	3rd floor, elevator lobby	1203	<0.005
32052052309	2nd floor, east lobby	1203	<0.005
32052052310	2nd floor, cafeteria	1203	<0.005
32052052311	2nd floor, west lobby	1203	<0.005
32052052312	2nd floor, elevator lobby	1203	<0.005
32052052313	Ground floor, east lobby	1203	<0.005
32052052314	Ground floor, outside 607	1203	<0.005
32052052315	Ground floor, elevator lobby	1203	<0.005
32052052316	Ground floor, guards desk	1203	<0.005
32052052317	Basement 1, west corridor	1203	<0.005
32052052318	Basement 1, outside room B-231	1203	<0.005
32052052319	Basement 1, elevator lobby	1203	<0.005
32052052320	Basement 1, garage	1203	<0.005
32052052321	Basement 2, garage	1203	<0.005
32052052322	Basement 2, outside room B-221	1203	<0.005
32052052323	Basement 2, elevator lobby	1203	<0.005
32052052324	Field blank	-	0/100
32052052325	Lab blank	-	0/100

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

NVLAP

TO: G. Urban

FROM: H. Cheatham

DATE: 5/24/95

RE: Chain Of Custody # 35085

Project Number 32052

The following PHASE CONTRAST SAMPLES were analyzed by AMA Analytical Services, Inc. You will be receiving a Certificate Of Analysis in the mail that pertain to the above Chain Of Custody number. If you have any questions regarding the analysis(es) or results, please contact me at (301)459-2640.

Thank you for using AMA Analytical, Services, Inc.

H. Cheatham (Analyst)

Client Sample ID	AMA Sample #	F/cc
320520522 01		<0.005
2		<0.005
3		<0.005
4		<0.005
5		<0.005
6		<0.005
7		<0.005
8		<0.005
9		<0.005
10		<0.005
11		<0.005

An AIHA (#8863), NVLAP (#1143) & New York ELAP (#10920) Accredited Laboratory

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AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

NVLAP

TO: G. Urban

FROM: H. Cheatham

DATE: 5/24/95

RE: Chain Of Custody # 35085

Project Number 32052

The following PHASE CONTRAST SAMPLES were analyzed by AMA Analytical Services, Inc. You will be receiving a Certificate Of Analysis in the mail that pertain to the above Chain Of Custody number. If you have any questions regarding the analysis(es) or results, please contact me at (301)459-2640.

Thank you for using AMA Analytical, Services, Inc.

H. Cheatham (Analyst)

Client Sample ID	AMA Sample #	F/cc
32052052212		<0.005
13		<0.005
14		<0.005
15		<0.005
16		<0.005
17		<0.005
18		<0.005
19		<0.005
20		<0.005
21		<0.005
22		<0.005

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AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

NVLAP

TO: G. Urban

FROM: H. Cheatham

DATE: 5/24/95

RE: Chain Of Custody # 35085

Project Number 32052

The following PHASE CONTRAST SAMPLES were analyzed by AMA Analytical Services, Inc. You will be receiving a Certificate Of Analysis in the mail that pertain to the above Chain Of Custody number. If you have any questions regarding the analysis(es) or results, please contact me at (301)459-2640.

Thank you for using AMA Analytical, Services, Inc.

H. Cheatham (Analyst)

Client Sample ID	AMA Sample #	F/cc
32052052223		<0.005
24		zero fibers
25		zero fibers

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AIR MONITORING DATA SHEET

PROJECT: NEOB / FIA

ADDRESS: 725 17th St N.W

CONTRACTOR: N/A

DATE: 5-22-95

ACTIVITY: FIA

AMA JOB #: 32052

SAMPLED FOR:
- ☐ Asbestos: METHOD ☒ 7400 ☐ TEM; CASSETTE ☒ 25mm ☐ 37mm; FILTER ☒ MCE ☐ PC
- ☐ Airborne Dust
- ☐ Gas
- ☐ Vapor
- ☐ Other

Analytical Method PCM Ambient Temp.

Protection Worn During Sampling:
- ☐ Full Body Coveralls
- ☐ Respirator-Air Purifying
- ☐ Respirator-Power Air Purifying
- ☐ Respirator-Supplied Air

PERSONAL SAMPLING DATA

Employee Sampled

Social Security No.

Smoker: ☐ Yes ☐ No

Job Function

Description of Activity:

Signature of Employee:

SAMPLE NO.	SAMPLE DATE	SAMPLE LOCATION
32052 0522 01	5-22-95	10th Floor, Rm 10235, ≈ 20' S of N, ≈ 6' E of W, ≈ 3' high
32052 0522 02	5-22-95	10th Floor, Rm 10021, ≈ 5' N of S, ≈ 5' E of W, ≈ 4' high 9" x 9" Grey W/ White Steaks FT, 2' x 4' CT
32052 0522 03	5-22-95	10th Floor, Rm 10002, ≈ 10' N of S, ≈ 17' E of W, ≈ 4' high Carpet, 2' x 4' CT
32052 0522 04	5-22-95	10th Floor, Elevator Lobby, South Wall, ≈ 15' E of W, ≈ 4' high
32052 0522 05	5-22-95	9th Floor, Rm 9116, ≈ 10' N of S ≈ 15' W of E, ≈ 4' high Carpet, 2' x 4' CT
32052 0522 06	5-22-95	9th Floor, West Corridor, ≈ 50' N of S, ≈ 2' W of E, ≈ 3' high 1' x 1' FT, Plaster Ceiling
32052 0522 07	5-22-95	9th Floor, Rm 9002, ≈ 20' W of Entrance, ≈ 20' N of S, ≈ 3' high Carpet, 2' x 4' CT

FIELD SAMPLE NO.	TEST PERIOD START	TEST PERIOD STOP	TEST PERIOD TOTAL (MIN.)	FLOW RATE SETTING START (LITERS/MIN.)	FLOW RATE SETTING STOP (LITERS/MIN.)	INSTRUMENT SERIAL NO.	SAMPLE TYPE AMBIENT	SAMPLE TYPE AREA	SAMPLE TYPE PERSONAL	SAMPLE TYPE FINAL	SAMPLE LOCATION IN WORK AREA	SAMPLE LOCATION OUTSIDE WORK AREA	SAMPLE LOCATION N/A
3205205 2201	0815	1425	370 ~~12025~~	3.25	3.25	309-11							
3205205 2202	0820	1430	370	3.25	3.25	SKC-1							
3205205 2203	0827	1433	370	3.25	3.25	309-06							
3205205 2204	0825	1435	370	3.25	3.25	309-16							
3205205 2205	0828	1438	370	3.25	3.25	SKC							
3205205 2206	0832	1442	370	3.25	3.25	14927-6							
3205205 2207	0836	1446	370	3.25	3.25	309-09							

COMMENTS

Lot no -

Tracks. -

Inspector: Bill Round (Print)

Bill Round (Signature)

Date: 5-22-95

007-10/88-3

AIR MONITORING DATA SHEET

PROJECT: WEOB / FIA

ADDRESS: 725 17th St N.W

CONTRACTOR: N/A

DATE: 5-22-95

ACTIVITY: FIA

AMA JOB #: 32052

SAMPLED FOR: METHOD / CASSETTE / FILTER

- [x] Asbestos: [x] 7400 ☐ TEM [x] 25mm ☐ 37mm ☐ MCE ☐ PC
- ☐ Airborne Dust
- ☐ Gas
- ☐ Vapor
- ☐ Other

Analytical Method PCM Ambient Temp. 65°

Protection Worn During Sampling:

- ☐ Full Body Coveralls
- ☐ Respirator-Air Purifying
- ☐ Respirator-Power Air Purifying
- ☐ Respirator-Supplied Air

PERSONAL SAMPLING DATA

Employee Sampled

Social Security No.

Smoker: ☐ Yes ☐ No

Job Function

Description of Activity:

Signature of Employee:

SAMPLE NO.	SAMPLE DATE	SAMPLE LOCATION
32052 0522 08	5-22-95	9th Floor, Elevator Lobby, south wall : 4' E of Elevator 3, : 4' high Plaster Ceiling Marble FT
32052 0522 09	5-22-95	8th Floor, Rm 8104, : 4' S of N, : 5' W of E, : 6' high Carpet, 2'x4' CT
32052 0522 10	5-22-95	8th Floor, East Corridor, South Wall, : 3' E of W, : 5' high 1'x1' FT, Plaster Ceiling
32052 0522 11	5-22-95	8th Floor, Elevator Lobby, : 2' E of Elevator #2, : 4' high
32052 0522 12	5-22-95	7th Floor, Rm 7002, : 10' S of N : 1' W of E, : 3' high Carpet 2x4 CT
32052 0522 13	5-22-95	7th Floor, Rm 7025, : 10' S of N : 2' W of E, : 3' high Carpet, 2'x4' CT
32052 0522 14	5-22-95	7th Floor, Rm 7211, : 5' S of N, : 5' E of W, : 4' high 9"x9" FT, 2'x4' CT

FIELD SAMPLE NO.	TEST PERIOD START	TEST PERIOD STOP	TEST PERIOD TOTAL (MIN.)	FLOW RATE SETTING START (LITERS/MIN.)	FLOW RATE SETTING STOP (LITERS/MIN.)	INSTRUMENT SERIAL NO.	SAMPLE TYPE AMBIENT	SAMPLE TYPE AREA	SAMPLE TYPE PERSONAL	SAMPLE TYPE FINAL	SAMPLE LOCATION IN WORK AREA	SAMPLE LOCATION OUTSIDE WORK AREA	SAMPLE LOCATION N/A
3205205 2208	0839	1449	370	3.25	3.25	SKC-20	1						1
3205205 2209	0842	1452	370	3.25	3.25	SKC-22							
3205205 2210	0845	1455	370	3.25	3.25	SKC-22							
3205205 2211	0849	1459	370	3.25	3.25	309 01 02							
3205205 2212	0852	1502	370	3.25	3.25	309-12							
3205205 2213	0856	1506	370	3.25	3.25	309-10							
3205205 2214	0859	1509	370	3.25	3.25	SKC 9201							

COMMENTS

Inspector: Bill Round (Print)

Bill Round (Signature)

Date: 5-22-95

007-10/88-3

AIR MONITORING DATA SHEET

PROJECT: NBOB / FIA

ADDRESS: 725, 17th St. N.W.

CONTRACTOR: N/A

DATE: 5-22-95

ACTIVITY: FIA

AMA JOB #: 32052

SAMPLED FOR:

	METHOD	CASSETTE	FILTER
☒ Asbestos:	☒ 7400 ☐ TEM	☒ 25mm ☐ 37mm	☒ MCE ☐ PC

☐ Airborne Dust

☐ Gas

☐ Vapor

☐ Other

Analytical Method Pcm Ambient Temp. 65-70°F

Protection Worn During Sampling:

☐ Full Body Coveralls

☐ Respirator-Air Purifying

☐ Respirator-Power Air Purifying

☐ Respirator-Supplied Air

PERSONAL SAMPLING DATA

Employee Sampled

Social Security No.

Smoker: ☐ Yes ☐ No

Job Function

Description of Activity:

Signature of Employee:

SAMPLE NO.	SAMPLE DATE	SAMPLE LOCATION
32052 0522 15	5-22-95	7th Floor, Elevator Lobby, South wall, ≈ 2' East Elevator #6, ≈ 4' high Plaster ceiling
32052 0522 16	5-22-95	6th Floor, Rm 6225, ≈ 3' E of Entrance ≈ 30' S of W, ≈ 4' high Carpet, 2'x4' CT
32052 0522 17	5-22-95	6th Floor, West Corridor, South Wall, ≈ 2' E of W, ≈ 4' high 9"x9" FT, Plaster ceiling
32052 0522 18	5-22-95	6th Floor, Rm 6011, ≈ 5' N of S ≈ 3' E of W, ≈ 4' high Carpet, 2'x4' CT
32052 0522 19	5-22-95	6th Floor, Elevator Lobby, North Wall, ≈ 2' East Elevator #3, ≈ 5' high
32052 0522 20	5-22-95	5th Floor, Rm 5013, ≈ 5' S of N, ≈ 2' E of W, ≈ 4' high Carpet, 2'x4' CT
32052 0522 21	5-22-95	5th Floor, West corridor, East wall ≈ 70' S of N, ≈ 4' high 1'x1' FT, Plaster ceiling

FIELD SAMPLE NO.	TEST PERIOD START	TEST PERIOD STOP	TEST PERIOD TOTAL (MIN.)	FLOW RATE SETTING START (LITERS/MIN.)	FLOW RATE SETTING STOP (LITERS/MIN.)	INSTRUMENT SERIAL NO.	SAMPLE TYPE AMBIENT	SAMPLE TYPE AREA	SAMPLE TYPE PERSONAL	SAMPLE TYPE FINAL	SAMPLE LOCATION IN WORK AREA	SAMPLE LOCATION OUTSIDE WORK AREA	SAMPLE LOCATION N/A
3205205 2215	0903	1513	370	3.25	3.25	Stc-16	✓						✓
3205205 2216	0907	1517	370	3.25	3.25	309-08							
3205205 2217	0910	1520	370	3.25	3.25	Stc							
3205205 2218	0912	1522	370	3.25	3.25	stcQ12							
3205205 2219	0915	1525	370	3.25	3.25	309-01							
3205205 2220	0918	1528	370	3.25	3.25	309-14							
3205205 2221	0921	1531	370	3.25	3.25	309-02							

COMMENTS

Inspector: Bill Round (Print)

(Signature)

Date: 5-22-95

007-10/88-3

AIR MONITORING DATA SHEET

PROJECT: NEOB / FIA

ADDRESS: 375 17th St N.W.

CONTRACTOR: N/A

DATE: 5-22-95

ACTIVITY: FIA

AMA JOB #: 32052

SAMPLED FOR: METHOD / CASSETTE / FILTER

☒ Asbestos: ☒ 7400 ☐ TEM ☒ 25mm ☐ 37mm ☒ MCE ☐ PC

☐ Airborne Dust

☐ Gas

☐ Vapor

☐ Other

Analytical Method PCM Ambient Temp.

Protection Worn During Sampling:

☐ Full Body Coveralls

☐ Respirator-Air Purifying

☐ Respirator-Power Air Purifying

☐ Respirator-Supplied Air

PERSONAL SAMPLING DATA

Employee Sampled

Social Security No.

Smoker: ☐ Yes ☐ No

Job Function

Description of Activity:

Signature of Employee:

SAMPLE NO.	SAMPLE DATE	SAMPLE LOCATION
32052 0522 22	5-22-95	5th Floor, Elevator Lobby, South Wall : 2' E of Elevator #6, : 4' high
32052 0522 23	5-22-95	8th Floor, Rm 8215, Secretary's Area, : 1' North, : 3' E of W, : 4' high Carpet, 2'x4' CT
32052 0522 24	5-22-95	Field Blank
32052 0522 25	5-22-95	Lab Blank
32052 0522 26		
32052 0522 27		
32052 0522 28		

FIELD SAMPLE NO.	TEST PERIOD START	TEST PERIOD STOP	TEST PERIOD TOTAL (MIN.)	FLOW RATE SETTING START (LITERS/MIN.)	FLOW RATE SETTING STOP (LITERS/MIN.)	INSTRUMENT SERIAL NO.	SAMPLE TYPE AMBIENT	AREA	PERSONAL	FINAL	SAMPLE LOCATION IN WORK AREA	OUTSIDE WORK AREA	N/A
3205205 2222	0927	1537	370	3.25	3.25	309-08	✓						✓
3205205 2223	0931	1541	370	3.25	3.25	309-13	✓						
3205205 2224	—	Field Blank		—									
3205205 2225	—	Lab Blank		—									

COMMENTS

Inspector: Bill Renard (Print)

Bill Renard (Signature)

Date: 5-22-95

007-10/88-3

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

NVLAP

TO: G. Urban

FROM: H. Cheatham

DATE: 5/24/95

RE: Chain Of Custody # 35086

Project Number 32052

The following PHASE CONTRAST SAMPLES were analyzed by AMA Analytical Services, Inc. You will be receiving a Certificate Of Analysis in the mail that pertain to the above Chain Of Custody number. If you have any questions regarding the analysis(es) or results, please contact me at (301)459-2640.

Thank you for using AMA Analytical, Services, Inc.

H. Cheatham (Analyst)

Client Sample ID	AMA Sample #	F/cc
320520523 01		<0.005
2		<0.005
3		<0.005
4		<0.005
5		<0.005
6		<0.005
7		<0.005
8		<0.005
9		<0.005
10		<0.005
11		<0.005

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AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

NVLAP

TO: G. Urban

FROM: H. Cheatham

DATE: 5/24/95

RE: Chain Of Custody # 35086

Project Number 32052

The following PHASE CONTRAST SAMPLES were analyzed by AMA Analytical Services, Inc. You will be receiving a Certificate Of Analysis in the mail that pertain to the above Chain Of Custody number. If you have any questions regarding the analysis(es) or results, please contact me at (301)459-2640.

Thank you for using AMA Analytical, Services, Inc.

H. Cheatham (Analyst)

Client Sample ID	AMA Sample #	F/cc
32052052312		<0.005
13		<0.005
14		<0.005
15		<0.005
16		<0.005
17		<0.005
18		<0.005
19		<0.005
20		<0.005
21		<0.005
22		<0.005

An AIHA (#8863), NVLAP (#1143) & New York ELAP (#10920) Accredited Laboratory

4485 Forbes Boulevard • Lanham, MD 20706 • (301)459-2640 • (800)346-0961 • FAX (301)459-2643

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

NVLAP

TO: G. Urban

FROM: H. Cheatham

DATE: 5/24/95

RE: Chain Of Custody # 35086

Project Number 32052

The following PHASE CONTRAST SAMPLES were analyzed by AMA Analytical Services, Inc. You will be receiving a Certificate Of Analysis in the mail that pertain to the above Chain Of Custody number. If you have any questions regarding the analysis(es) or results, please contact me at (301)459-2640.

Thank you for using AMA Analytical, Services, Inc.

H. Cheatham (Analyst)

Client Sample ID	AMA Sample #	F/cc
32052052323		<0.005
24		Zero fibers
25		Zero fibers

An AIHA (#8863), NVLAP (#1143) & New York ELAP (#10920) Accredited Laboratory

4485 Forbes Boulevard • Lanham, MD 20706 • (301)459-2640 • (800)346-0961 • FAX (301)459-2643

AIR MONITORING DATA SHEET

PROJECT: NEOB

ADDRESS: 22517th St

CONTRACTOR: N/A

DATE: 5-23-95

ACTIVITY: FIA

AMA JOB #: 32052

SAMPLED FOR: METHOD / CASSETTE / FILTER

- [x] Asbestos: [x] 7400 ☐ TEM / [x] 25mm ☐ 37mm / [x] MCE ☐ PC
- ☐ Airborne Dust
- ☐ Gas
- ☐ Vapor
- ☐ Other

Analytical Method Pcm Ambient Temp. 70°F

Protection Worn During Sampling:

- ☐ Full Body Coveralls
- ☐ Respirator-Air Purifying
- ☐ Respirator-Power Air Purifying
- ☐ Respirator-Supplied Air

PERSONAL SAMPLING DATA

Employee Sampled

Social Security No.

Smoker: ☐ Yes ☐ No

Job Function

Description of Activity:

Signature of Employee:

SAMPLE NO.	SAMPLE DATE	SAMPLE LOCATION
32052 0523 01	5-23-95	4th Floor, Rm 4116, ≈ 5' S of N, ≈ 3' E of W, ≈ 4' high 9'x9' FT, 2'x4' CT
32052 0523 02	5-23-95	4th Floor, Corridor, across from 4216 ≈ 60' N of S, ≈ 2' W of E, ≈ 6' high 1'x1' FT plaster ceil.
32052 0523 03	5-23-95	4th Floor, Rm 4013, ≈ 3' N of S ≈ 20' E of W, ≈ 4' high carpet, 2'x4' CT
32052 0523 04	5-23-95	4th Floor, Elevator Lobby, ≈ 2' E of Elevator 6, ≈ 5' high, South wall Plaster ceil, marble Floor
32052 0523 05	5-23-95	3rd Floor, 3000 corridor, south wall, ≈ 3' E of W, ≈ 5' high Offices vacated
32052 0523 06	5-23-95	3rd Floor, Rm 3202, ≈ 2' W of E, ≈ 30' N of S, ≈ 4' high carpet, 2'x4' CT
32052 0523 07	5-23-95	3rd Floor, 3200 corridor, ≈ 60' S of N, E wall, ≈ 5' high mostly vacant, some renovation

FIELD SAMPLE NO.	TEST PERIOD START	TEST PERIOD STOP	TEST PERIOD TOTAL (MIN.)	FLOW RATE SETTING START (LITERS/MIN.)	FLOW RATE SETTING STOP (LITERS/MIN.)	INSTRUMENT SERIAL NO.	SAMPLE TYPE AMBIENT	AREA	PERSONAL	FINAL	SAMPLE LOCATION IN WORK AREA	OUTSIDE WORK AREA	N/A
3205205 2301	0830	1440	370	3.25	3.25	514-22							
3205205 2302	0832	1442	370	3.25	3.25	309-15							
3205205 2303	0835	1445	370	3.25	3.25	309-01-0							
3205205 2304	0840	1450	370	3.25	3.25	514-16							
3205205 2305	0843	1453	370	3.25	3.25	514-1							
3205205 2306	0846	1456	370	3.25	3.25	309.07							
3205205 2307	0849	1459	370	3.25	3.25	309-11							

COMMENTS

Inspector: Bill Round (Print)

Bill Round (Signature)

Date: 5-23-95

007-10/88-3

AIR MONITORING DATA SHEET

PROJECT: VE03

ADDRESS: 725 17th St, N.W

CONTRACTOR: N/A

DATE: 5-23-95

ACTIVITY: FIA

AMA JOB #: 32052

SAMPLED FOR:

	METHOD	CASSETTE	FILTER
☒ Asbestos:	☒ 7400 ☐ TEM	☒ 25mm ☐ 37mm	☒ MCE ☐ PC

☐ Airborne Dust
☐ Gas
☐ Vapor
☐ Other

Analytical Method PCM Ambient Temp. 70°F

Protection Worn During Sampling:

☐ Full Body Coveralls
☐ Respirator-Air Purifying
☐ Respirator-Power Air Purifying
☐ Respirator-Supplied Air

PERSONAL SAMPLING DATA

Employee Sampled
Social Security No.
Smoker: ☐ Yes ☐ No
Job Function
Description of Activity:

Signature of Employee:

SAMPLE NO.	SAMPLE DATE	SAMPLE LOCATION
32052 0523 08	5-23-95	3d Floor, Elevator Lobby, North Wall = 2' E of Elevator #2, = 5' high
32052 0523 09	5-23-95	2nd Floor, East Lobby, = 30' W of E = 20' North, = 5' high
32052 0523 10	5-23-95	2d Floor, cafeteria, = 30' S of N = 30' E of W, = 5' high
32052 0523 11	5-23-95	2d Floor, West Lobby, = 15' S of N, = 40' E of W, = 5' high
32052 0523 12	5-23-95	2d Floor, Elevator Lobby, South Wall = 2' E of Elevator 6, = 4' high
32052 0523 13	5-23-95	Ground Floor, East Lobby, = 40' W of E = 30' N of S, = 5' high
32052 0523 14	5-23-95	Ground Floor, East office area, Outside door, = 1' W of E, = 30' N of S. = 5' high Plaster ceiling, carpet

FIELD SAMPLE NO.	TEST PERIOD START	TEST PERIOD STOP	TEST PERIOD TOTAL (MIN.)	FLOW RATE SETTING START (LITERS/MIN.)	FLOW RATE SETTING STOP (LITERS/MIN.)	INSTRUMENT SERIAL NO.	SAMPLE TYPE AMBIENT	SAMPLE TYPE AREA	SAMPLE TYPE PERSONAL	SAMPLE TYPE FINAL	SAMPLE LOCATION IN WORK AREA	SAMPLE LOCATION OUTSIDE WORK AREA	SAMPLE LOCATION N/A
3205205 2308	0853	1503	370	3.25	3.25	309-06							
3205205 2309	0857	1507	370	3.25	3.25	SKC-11							
3205205 2310	0900	1510	370	3.25	3.25	SKC-23							
3205205 2311	0904	1514	370	3.25	3.25	SKC							
3205205 2312	0907	1517	370	3.25	3.25	309-04							
3205205 2313	0910	1520	370	3.25	3.25	SKC-20							
3205205 2314	1913	1523	370	3.25	3.25								

COMMENTS

Inspector: Bill Round (Print)

(Signature)

Date: 5-23-95

007-10/88-3

AIR MONITORING DATA SHEET

PROJECT: NEOB

ADDRESS: 225 17th St N.W

CONTRACTOR: N/A

DATE: 5-23-95

ACTIVITY: FTA

AMA JOB #: 32052

SAMPLED FOR:

	METHOD	CASSETTE	FILTER
☒ Asbestos:	☒ 7400 ☐ TEM	☒ 25mm ☐ 37mm	☒ MCE ☐ PC

☐ Airborne Dust
☐ Gas
☐ Vapor
☐ Other

Analytical Method PCM Ambient Temp. 70°F

Protection Worn During Sampling:

☐ Full Body Coveralls
☐ Respirator-Air Purifying
☐ Respirator-Power Air Purifying
☐ Respirator-Supplied Air

PERSONAL SAMPLING DATA

Employee Sampled
Social Security No.
Smoker: ☐ Yes ☐ No
Job Function
Description of Activity:
Signature of Employee:

SAMPLE NO.	SAMPLE DATE	SAMPLE LOCATION
32052 0523 15	5-23-95	Ground Floor, Elevator Lobby, North Wall, 3' W of Elevator #2, 5' high
32052 0523 16	5-23-95	Ground Floor, Guards Desk, 40' E of W, 30' N of S, 4' high
32052 0523 17	5-23-95	B-1, West Corridor, 20' S of W, 2' E of W, 4' high
32052 0523 18	5-23-95	B-1, Corridor, Outside B-23, East Wall, 5' high, 1' x 1' FT, Plaster Ceiling
32052 0523 19	5-23-95	B-1 Elevator Lobby, 2' W of El #2, 5' high, North Wall
32052 0523 20	5-23-95	B-1, Garage, 5' W of Entrance, 5' high
32052 0523 21	5-23-95	B-2, Garage, 5' W of Entrance, 4' high

FIELD SAMPLE NO.	TEST PERIOD START	TEST PERIOD STOP	TEST PERIOD TOTAL (MIN.)	FLOW RATE SETTING START (LITERS/MIN.)	FLOW RATE SETTING STOP (LITERS/MIN.)	INSTRUMENT SERIAL NO.	SAMPLE TYPE AMBIENT	AREA	PERSONAL	FINAL	SAMPLE LOCATION IN WORK AREA	OUTSIDE WORK AREA	N/A
32052052315	0916	1526	370	3.25	3.25	309-19							
32052052316	0919	1529	370	3.25	3.25	309-08							
32052052317	0923	1533	370	3.25	3.25	309-12							
32052052318	0925	1535	370	3.25	3.25	SKC 9201							
32052052319	0929	1539	370	3.25	3.25	29723							
32052052320	0931	1541	370	3.25	3.25								
32052052321	0934	1544	370	3.25	3.25	309-17							

COMMENTS

Inspector: Bill Rand (Print)

Bill Rand (Signature)

Date: 5-23-95

007-10/88-3

AIR MONITORING DATA SHEET

PROJECT: NEOB / FIA

ADDRESS: 725 17th St

CONTRACTOR: N/A

DATE: 5-23-95

ACTIVITY: FIA

AMA JOB #: 32052

SAMPLED FOR: METHOD / CASSETTE / FILTER

- [x] Asbestos: [x] 7400 ☐ TEM / [x] 25mm ☐ 37mm / [x] MCE ☐ PC
- ☐ Airborne Dust
- ☐ Gas
- ☐ Vapor
- ☐ Other

Analytical Method PCM Ambient Temp. 70°F

Protection Worn During Sampling:

- ☐ Full Body Coveralls
- ☐ Respirator-Air Purifying
- ☐ Respirator-Power Air Purifying
- ☐ Respirator-Supplied Air

PERSONAL SAMPLING DATA

Employee Sampled

Social Security No.

Smoker: ☐ Yes ☐ No

Job Function

Description of Activity:

Signature of Employee:

SAMPLE NO.	SAMPLE DATE	SAMPLE LOCATION
32052 0523 22	5-23-95	B-2, Corridor, Outside SB-221, = 5' Left, = 4' S of Entrance
32052 0523 23	5-23-95	B-2, Elevator Lobby, = 2' W of Elevator 6, = 5' Left
32052 0523 24	5-23-95	Field Blank
32052 0523 25	5-23-95	Lab Blank

FIELD SAMPLE NO.	TEST PERIOD START	TEST PERIOD STOP	TEST PERIOD TOTAL (MIN.)	FLOW RATE SETTING START (LITERS/MIN.)	FLOW RATE SETTING STOP (LITERS/MIN.)	INSTRUMENT SERIAL NO.	SAMPLE TYPE AMBIENT	SAMPLE TYPE AREA	SAMPLE TYPE PERSONAL	SAMPLE TYPE FINAL	SAMPLE LOCATION IN WORK AREA	SAMPLE LOCATION OUTSIDE WORK AREA	SAMPLE LOCATION N/A
3205205 2322	0937	1547	370	3.25	3.25	309-08	✓						✓
3205205 2323	0941	1551	370	3.25	3.25		✓						✓
3205205 2324	0945	1555	3	Field Blank									
3205205 2325	0947	1557		Lab Blank									

COMMENTS

Inspector: Bill Rand (Print)

Bill Rand (Signature)

Date: 5-23-95

007-10/88-3

JOB ASSIGNMENTS

FROM: **WPX**
TO: **Kelly A. Holland**
JOB NUMBER: **608**
BUILDING: **NEOB**
PROJECT: **F-I-A**
REMARKS:

DATE ASSIGNED: **06/13/95**
DATE DUE: **07/03/95**
DATE COMPLETED: __/__/__

JUN 21 1995

Ken Green
WPMFW

DC0105ZZ

92-1107
Reviewed 6/22 KH
faxed 6/23

OCCUPATIONAL • ENVIRONMENTAL • ANALYTICAL
A SUBSIDIARY OF PRINCETON TESTING LABORATORY, INC.

4451-G Parliament Place
Lanham, MD 20706
301/306/0632
FAX: 301/306/9354

Plymouth Greene Office Campus A-1
801 E. Germantown Pike
Norristown, PA 19401
215/277/4520
FAX: 215/277/6099

June 9, 1992

Ambient Air Sampling
New Executive Office Building
OMC PROJECT #: 038-NEOBDC-33

JUN 10 1 00 PM '92

Performed for:

GSA, NCR, WPX
7th and D Streets, S.W.
Room 2036
Washington, DC 20407

Contract #: GS11P87MJD0030

Order #: P1192DC9184
Pay #: P98887112

Attn: Ms. Normajean Eleazer

Fifty-six (56) air samples were collected inside the New Executive Office Building, Washington, DC. One sample was added to the New Executive Office Building and deleted from the Old Executive Office Building for the purpose of a re-test at Mr. Dean McCauley's request.

Mr. McCaulley provided a list of rooms to be sampled and requested that testing be done at night. Samples were collected inside rooms when possible and in hallways by the room door when room was locked. This was done as directed by Mr. McCauley.

The sample in Hall by room 8012 resulted in 0.02 f/cc on 5/29/92. The area was retested 6/2/92 and sample resulted in less than .01 f/cc. The remaining air sample results show that the fiber concentrations are less than National Institute for Occupational Safety and Health's (NIOSH) recommended limit of 0.01 fibers per cubic centimeter (f/cc) of air for non-industrial environments. Please refer to laboratory analysis sheets for details.

PROCEDURES

Sampling and analysis were conducted in accordance with the Occupational Safety and Health Administration (OSHA) reference method as outlined in Occupational Exposure to Asbestos, Tremolite, Anthophyllite and Actinolite; Final Rules (29 CFR Parts 1910.1001). Samples were collected by drawing air through a membrane filter by means of a calibrated air sampling pump. Samples were analyzed by OMC Laboratories, an American Industrial Hygiene Association (AIHA)

accredited laboratory. Sections of filters were mounted on slides and analyzed by phase contrast microscopy. One hundred fields or one hundred fibers were counted and a fiber concentration computed.

Should you have any questions concerning this matter, please do not hesitate to contact this office.

Sincerely,

Carla J. DeWolf

Carla J. DeWolf
Industrial Hygienist

L. A. Bunelli, IM, for

David M. Kichula, CIH
Manager, Industrial Hygiene Services

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA,NCR,WPX ROOM 2036 7TH & D STREETS, SW WASHINGTON, DC 20407

06/03/92

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on **05/26 at NEW EXECUTIVE OFFICE BLDG.**

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-33-05/26-A0001	600.00	2.0	100	**0.01**
LOCATION: **INSIDE SB COMPRESSOR ROOM CENT COL**				
038-NEOBDC-33-05/26-A0002	600.00	1.5	100	**0.01**
LOCATION: **SB INSIDE RM 214**				
038-NEOBDC-33-05/26-A0003	600.00	3.5	100	**0.01**
LOCATION: **G 201 INSIDE**				
038-NEOBDC-33-05/26-A0004	600.00	2.0	100	**0.01**
LOCATION: **LOADING DOCK AREA**				
038-NEOBDC-33-05/26-A0005	600.00	4.5	100	**0.01**
LOCATION: **INSIDE SQUAD RM BY G236**				
038-NEOBDC-33-05/26-A0006	600.00	2.0	100	**0.01**
LOCATION: **RM 3019 INSIDE**				
038-NEOBDC-33-05/26-A0007	600.00	3.0	100	**0.01**
LOCATION: **RM 3020 INSIDE**				
038-NEOBDC-33-05/26-A0008	600.00	2.0	100	**0.01**
LOCATION: **RM 4101 INSIDE**				
038-NEOBDC-33-05/26-A0009	600.00	2.0	100	**0.01**
LOCATION: **RM 6013 INSIDE**				
038-NEOBDC-33-05/26-A0010	600.00	2.0	100	**0.01**
LOCATION: **HALL BY 6113**				
038-NEOBDC-33-05/26-A0011	600.00	2.5	100	**0.01**
LOCATION: **RM 6226 INSIDE**				
038-NEOBDC-33-05/26-A0012	600.00	6.0	100	**0.01**
LOCATION: **HALL BY RM 7215**				
038-NEOBDC-33-05/26-A0013	600.00	3.0	100	**0.01**
LOCATION: **RM 7236 INSIDE**				

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA,NCR,WPX ROOM 2036 7TH & D STREETS, SW WASHINGTON, DC 20407

06/03/92

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on **05/26 at NEW EXECUTIVE OFFICE BLDG.**

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-33-05/26-A0014 LOCATION: **RM 8104 INSIDE**	600.00	3.5	100	**0.01**

This analysis was conducted in accordance with the mandatory OSHA Reference Method [Occupational Exposure To Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules; 29 CFR Parts 1910.1001 and 1926.58, Appendices A and B], and the NIOSH 7400. The OMC Industrial Hygiene Laboratory ensures quality data exercising the interlaboratory/intralaboratory quality control programs described int the OSHA refrence method.

Reference : 167 085533 RECEIVED: 05/26/92 ANALYZED: 05/27/92

David Kichula, C.I.H. Analyst: CJD CJD Reviewed By:
LAB DIRECTOR

ACCREDITATION Number 321

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA,NCR,WPX ROOM 2036 7TH & D STREETS, SW WASHINGTON, DC 20407

06/03/92

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on **05/27 at NEW EXECUTIVE OFFICE BLDG.**

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-33-05/27-A0001	600.00	5.0	100	**0.01**
LOCATION: **HALL BY LOCKED SB227**				
038-NEOBDC-33-05/27-A0002	600.00	2.0	100	**0.01**
LOCATION: **1B GARAGE**				
038-NEOBDC-33-05/27-A0003	600.00	1.0	100	**0.01**
LOCATION: **HALL BY LOCKED B225**				
038-NEOBDC-33-05/27-A0004	600.00	2.0	100	**0.01**
LOCATION: **HALL BY LOCKED B233**				
038-NEOBDC-33-05/27-A0005	600.00	7.0	100	**0.01**
LOCATION: **HALL BY LOCKED B239**				
038-NEOBDC-33-05/27-A0006	600.00	2.0	100	**0.01**
LOCATION: **HALL BY LOCKED B112**				
038-NEOBDC-33-05/27-A0007	600.00	2.0	100	**0.01**
LOCATION: **HALL BY LOCKED G005**				
038-NEOBDC-33-05/27-A0008	600.00	2.0	100	**0.01**
LOCATION: **HALL BY LOCKED COURIER DEL. G1**				
038-NEOBDC-33-05/27-A0009	600.00	1.5	100	**0.01**
LOCATION: **HALL BY LOCKED G236**				
038-NEOBDC-33-05/27-A0010	600.00	6.0	100	**0.01**
LOCATION: **HALL BY LOCKED RM 2008**				
038-NEOBDC-33-05/27-A0011	600.00	6.0	100	**0.01**
LOCATION: **HALL BY LOCKED CAFETERIA**				
038-NEOBDC-33-05/27-A0012	600.00	3.5	100	**0.01**
LOCATION: **HALL BY LOCKED RECORDS AND PUBLICATIONS 2200A**				
038-NEOBDC-33-05/27-A0013	600.00	7.0	100	**0.01**
LOCATION: **HALL BY LOCKED CAFETERIA FOOD PREP AREA**				

)MC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA,NCR,WPX ROOM 2036 7TH & D STREETS, SW WASHINGTON, DC 20407

06/03/92 PAGE: 002

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on **05/27 at NEW EXECUTIVE OFFICE BLDG.**

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-33-05/27-A0014 LOCATION: **HALL BY LOCKED RM 3002**	600.00	5.5	100	**0.01**

This analysis was conducted in accordance with the mandatory OSHA Reference Method [Occupational Exposure To Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules; 29 CFR Parts 1910.1001 and 1926.58, Appendices A and B], and the NIOSH 7400. The OMC Industrial Hygiene Laboratory ensures quality data exercising the interlaboratory/intralaboratory quality control programs described int the OSHA refrence method.

Reference : 167 085547 RECEIVED: 05/27/92 ANALYZED: 05/28/92

David Kichula, C.I.H. Analyst: CJD CJD Reviewed By:
LAB DIRECTOR

ACCREDITATION Number 321

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA,NCR,WPX ROOM 2036 7TH & D STREETS, SW WASHINGTON, DC 20407

06/03/92

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on **05/28 at NEW EXECUTIVE OFFICE BLDG.**

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-33-05/28-A0001 LOCATION: **HALL IN CARPENTER AREA B1**	600.00	7.0	100	**0.01**
038-NEOBDC-33-05/28-A0002 LOCATION: **INSIDE RM 3113**	600.00	1.0	100	**0.01**
038-NEOBDC-33-05/28-A0003 LOCATION: **HALL BY LOCKED RM 4005**	600.00	5.0	100	**0.01**
038-NEOBDC-33-05/28-A0004 LOCATION: **HALL BY LOCKED RM 4026**	600.00	5.0	100	**0.01**
038-NEOBDC-33-05/28-A0005 LOCATION: **HALL BY LOCKED RM 5113**	600.00	2.0	100	**0.01**
038-NEOBDC-33-05/28-A0006 LOCATION: **HALL BY LOCKED RM 5005**	600.00	1.5	100	**0.01**
038-NEOBDC-33-05/28-A0007 LOCATION: **HALL BY LOCKED RM 5025**	600.00	5.0	100	**0.01**
038-NEOBDC-33-05/28-A0008 LOCATION: **HALL BY LOCKED RM 6101**	600.00	7.5	100	**0.01**
038-NEOBDC-33-05/28-A0009 LOCATION: **HALL BY LOCKED RM 7002**	600.00	4.0	100	**0.01**
038-NEOBDC-33-05/28-A0010 LOCATION: **INSIDE RM 7019**	600.00	3.0	100	**0.01**
038-NEOBDC-33-05/28-A0011 LOCATION: **HALL BY LOCKED RM 7201**	600.00	7.0	100	**0.01**
038-NEOBDC-33-05/28-A0012 LOCATION: **HALL BY LOCKED RM 8210**	600.00	2.5	100	**0.01**
038-NEOBDC-33-05/28-A0013 LOCATION: **HALL BY LOCKED RM 8234**	600.00	4.0	100	**0.01**

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA,NCR,WPX ROOM 2036 7TH & D STREETS, SW WASHINGTON, DC 20407

06/03/92

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on **05/28 at NEW EXECUTIVE OFFICE BLDG.**

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-33-05/28-A0014 LOCATION: **HALL BY LOCKED RM 8025**	600.00	3.0	100	**0.01**

This analysis was conducted in accordance with the mandatory OSHA Reference Method [Occupational Exposure To Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules; 29 CFR Parts 1910.1001 and 1926.58, Appendices A and B], and the NIOSH 7400. The OMC Industrial Hygiene Laboratory ensures quality data exercising the interlaboratory/intralaboratory quality control programs described int the OSHA refrence method.

Reference : 166 085561 RECEIVED: 05/28/92 ANALYZED: 05/29/92

David Kichula, C.I.H. Analyst: CJD CJD Reviewed By:
LAB DIRECTOR

ACCREDITATION Number 321

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA,NCR,WPX ROOM 2036 7TH & D STREETS, SW WASHINGTON, DC 20407

06/03/92

AIR SAMPLES ANALYSIS

Sample(s) taken on **05/29 at NEW EXECUTIVE OFFICE BLDG.**

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-33-05/29-A0001 LOCATION: **HALL BY LOCKED RM 8012**	600.00	24.5	100	**0.02**
038-NEOBDC-33-05/29-A0002 LOCATION: **HALL BY LOCKED ROOM 10026**	600.00	4.0	100	**0.01**
038-NEOBDC-33-05/29-A0003 LOCATION: **HALL BY LOCKED ROOM 10007**	600.00	3.0	100	**0.01**
038-NEOBDC-33-05/29-A0004 LOCATION: **HALL BY LOCKED RM 9025**	600.00	2.0	100	**0.01**
038-NEOBDC-33-05/29-A0005 LOCATION: **HALL BY LOCKED RM 9002**	600.00	2.5	100	**0.01**
038-NEOBDC-33-05/29-A0006 LOCATION: **HALL BY LOCKED RM 9202**	600.00	11.0	100	**0.01**
038-NEOBDC-33-05/29-A0007 LOCATION: **HALL BY LOCKED ROOM 9236**	600.00	6.5	100	**0.01**
038-NEOBDC-33-05/29-A0008 LOCATION: **STAIRWELL #1 TO LOCKED PENTHOUSE**	600.00	5.0	100	**0.01**
038-NEOBDC-33-05/29-A0009 LOCATION: **HALL BY LOCKED RM 10211**	600.00	6.0	100	**0.01**
038-NEOBDC-33-05/29-A0010 LOCATION: **STAIRWELL #3 TO LOCKED PENTHOUSE**	600.00	1.0	100	**0.01**

This analysis was conducted in accordance with the mandatory OSHA Reference Method [Occupational Exposure To Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules; 29 CFR Parts 1910.1001 and 1926.58, Appendices A and B], and the NIOSH 7400. The OMC Industrial Hygiene Laboratory ensures quality data exercising the interlaboratory/intralaboratory quality control programs described int the OSHA refrence method.

Reference : 166 085571 RECEIVED: 05/29/92 ANALYZED: 05/30/92

David Kichula, C.I.H. Analyst: CJD CJD Reviewed By:
LAB DIRECTOR

ACCREDITATION Number 321

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA,NCR,WPX ROOM 2036 7TH & D STREETS, SW WASHINGTON, DC 20407

06/09/92

AIR SAMPLES ANALYSIS

Sample(s) taken on **06/02 at NEW EXECUTIVE OFFICE BLDG.**

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-33-06/02-A0001 LOCATION: **RM 8012 INSIDE**	600.00	4.0	100	**0.01**
038-NEOBDC-33-06/02-A0002 LOCATION: **HALL ACROSS FROM 8012**	600.00	9.0	100	**0.01**

This analysis was conducted in accordance with the mandatory OSHA Reference Method [Occupational Exposure To Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules; 29 CFR Parts 1910.1001 and 1926.58, Appendices A and B], and the NIOSH 7400. The OMC Industrial Hygiene Laboratory ensures quality data exercising the interlaboratory/intralaboratory quality control programs described int the OSHA refrence method.

Reference : 166 085804 RECEIVED: 06/02/92 ANALYZED: 06/02/92

David Kichula, C.I.H. Analyst: CJD CJD Reviewed By:
LAB DIRECTOR

ACCREDITATION Number 321

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA,NCR,WPX ROOM 2036 7TH & D STREETS, SW WASHINGTON, DC 20407

06/09/92 PAGE: 001

AIR SAMPLES ANALYSIS

Sample(s) taken on **06/03 at NEW EXECUTIVE OFFICE BLDG.**

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-33-06/03-A0001 LOCATION: **B1 GARAGE RIGHT SIDE**	600.00	2.5	100	**0.01**
038-NEOBDC-33-06/03-A0002 LOCATION: **B1 GARAGE LEFT SIDE**	600.00	3.0	100	**0.01**

This analysis was conducted in accordance with the mandatory OSHA Reference Method [Occupational Exposure To Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules; 29 CFR Parts 1910.1001 and 1926.58, Appendices A and B], and the NIOSH 7400. The OMC Industrial Hygiene Laboratory ensures quality data exercising the interlaboratory/intralaboratory quality control programs described int the OSHA refrence method.

Reference : 166 085806 RECEIVED: 06/03/92 ANALYZED: 06/03/92

David Kichula, C.I.H. Analyst: CJD CJD Reviewed By:
LAB DIRECTOR

ACCREDITATION Number 321

UNITED STATES GENERAL SERVICES ADMINISTRATION

NATIONAL CAPITAL REGION

SAFETY AND ENVIRONMENTAL MANAGEMENT DIVISION

FACSIMILE TRANSMISSION COVER SHEET

Transmitted To: Dean McCauley 6/22/92
(NAME) (DATE)

WPMXW
(ORGANIZATION)

ADDRESS: (BUILDING, ROOM #, ETC.)

(OFFICE TELEPHONE) ! 395-4546 (FAX TELEPHONE)

==========

Transmitted From: Kelly Holland
WPXE

(202) 708-5236 ! (202) 708-6618
(OFFICE TELEPHONE) (FAX TELEPHONE)

Pages Transmitted: 12 (COUNT INCLUDES COVER SHEET)

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Contents/Comments/Notes:

Fibers-in-air data for NEOB.

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NOTE: If the number of pages transmitted have not been received, please contact sender and request re-transmission of the unreceived pages.

(wpx/fax/900529)

W.W. TAYLOR & ASSOCIATES, INC.

ENVIRONMENTAL AND INDUSTRIAL HYGIENE CONSULTING SERVICES

10902 Timberline Drive, Upper Marlboro, Maryland 20772
Telephone: (301) 372-1654 • FAX (301) 372-1753

June 24, 1991

Mr. Dennis Duley
President
D & D Construction
10532 Storch Drive
Seabrook, Maryland 20706

SUBJECT: CIH SUPERVISION AND CLEARANCE AIR MONITORING (5/24/91)
NEW EXECUTIVE OFFICE BUILDING
WASHINGTON, D.C.
GSA SOLICITATION #GS-11P90MKC0132

Dear Mr. Duley:

W. W. Taylor & Associates, Inc. is pleased to submit the attached New Executive Office Building (NEOB) Project Oversight Report for the above-referenced project effort undertaken May 24, 1991.

Pursuant to authorization provided by D & D Construction Company, Walter W. Taylor & Associates, Inc. provided Certified Industrial Hygienist (CIH) asbestos project supervision during removal of asbestos by Certified Abatement Services, Inc. (CASI) and asbestos air monitoring by Quental Compliance Group, Inc. at the following locations:

- Abatement of space above East Lobby in the New Executive Office Building for installation of firewall.
- Abatement of space above West Lobby in the New Executive Office Building for installation of firewall.

Attachment 1 is an integral part of this Oversight Report and is representative of the asbestos air monitoring clearance results obtained during the duration of this project. Quental Compliance Group, Inc. under the direction of Mr. Jason Drake, Registered Asbestos Analyst, provided air monitoring technician support for this project.

W. W. Taylor & Associates, Inc. appreciates having an opportunity to work with D & D Construction and Certified Abatement Services, Inc. on this project. If you have any questions or need clarification regarding any of the information contained herein, please don't hesitate to contact us at (301) 372-1654.

Sincerely,

Walter W. Taylor, President
Certified Industrial Hygienist

THE AMERICAN BOARD OF INDUSTRIAL HYGIENE INCORPORATED
CERT NO 1987
PENNSYLVANIA—1960
WALTER W. TAYLOR

WWT:ebt
Attachments

cc: Mr. Curtis Hardison, President
Certified Abatement Services, Inc.

Mr. Jason Drake, President
Quental Compliance Group, Inc.

NEOB - WASHINGTON, D.C.
GSA SOLICITATION #GS-11P90MKC0132

CERTIFIED INDUSTRIAL HYGIENIST (CIH) PROJECT OVERSIGHT REPORT

1.0 PROJECT SCOPE OF WORK

This project was undertaken to provide mechanical contractor access to areas where friable sprayed-on asbestos-containing materials (ACM) were in close proximity to renovation areas. The purpose of asbestos abatement for this effort was to assure that all asbestos-containing materials inadvertently released from sprayed-on fireproofing would be controlled while cutting access panels for installing firewall above new automatic doors.

Activities for this project did not involve direct removal of friable asbestos-containing fireproofing on the ceiling areas; however, the primary purpose was to control any incidental release of fibers during demolition of access areas. Certified Abatement Services, Inc. (CASI), the abatement contractor for this project, began project mobilization on the evening of May 24, 1991. Certified Industrial Hygienist (CIH) project abatement support began at 8:00 P.M.on May 24, 1991 and was completed with agreement of Dennis Duley at 1:00 A.M. on May 25, 1991.

2.0 ASBESTOS CONTROL PROCEDURES

Certified Abatement Services, Inc. (CASI) utilized, with permission granted on-site from Certified Industrial Hygienist (Walter W. Taylor, CIH), the following asbestos control procedures:

2.1 West Lobby & East Lobby

- Full containment was erected in West and East Lobby above doorway for removal of plaster for access to installation of firewall in both areas. Mini-containment areas were established on each side of doorway wall for installation of firewall above doorway and control of released construction debris. All installation work occurred under negative pressurization to assure control and collection of released plaster dust and any incidental asbestos material.

  Only after abatement workers cut appropriate ceiling opening was D & D Construction personnel allowed to enter the containment area. Mr. Dennis Duley worked inside of containment regulated area with Tyvek protective clothing and a respirator approved for asbestos exposures.

Personal protective equipment, including Tyvek suits, respirators, etc., were used by all project personnel. Additionally, special precautions were utilized to minimize release of asbestos-containing fibers during establishment of containment work area and mechanical contractor installation of new firewall. All exposed plaster surfaces were wetted with amended water during renovation and at completion all exposed surfaces were encapsulated to assure sealing of residual asbestos fibers.

3.0 AIR MONITORING

Asbestos air sampling strategy for monitoring this project involved collection of area, personal, and final clearance samples for release and re-occupancy of renovated areas. Because of the limited amount of time utilized to access space above doorway (approximately two (2) hours), personal worker sampling was conducted during entire abatement access timeframe.

3.1 Air Monitoring Results

Air monitoring results (Attachment 1) indicate personnel asbestos fiber levels were slightly elevated during removal of ceiling plaster. However, this is not unusual and is probably a result of plaster dust generated during ceiling removal. Workers were properly protected during this period with respirators.

Clearance samples (Attachment 1 - Sample #910524DD04 and Sample #910524DD05) for the West Lobby and East Lobby areas indicate that the air fiber level is below the EPA recommended value of 0.01 F/cc. Air monitoring clearance level results are provided herein (Attachment 1). Air monitoring was provided by Jason Drake, Registered Asbestos Analyst for Quental Compliance Group, Inc., 1916 Wilson Boulevard, Suite 203, Arlington, Virginia 22201.

Based on abatement work practices, CIH supervision and air monitoring of activities at the New Executive Office Building, D & D Construction and Certified Abatement Services, Inc. have successfully achieved project requirements in accordance with GSA Solicitation No. GS-11P90MKC0132 for safely accessing West Lobby and East Lobby areas without releasing friable asbestos-containing materials. The West and East Lobby were cleared for reoccupancy on May 25, 1991 (see Attachment 1 from Quental Compliance Group, Inc. for personal and final clearance air monitoring results).

ATTACHMENT 1

ASBESTOS AIR MONITORING RESULTS
FOR
NEW EXECUTIVE OFFICE BUILDING
WASHINGTON, D.C.

FROM

QUENTAL COMPLIANCE GROUP, INC.
1916 WILSON BOULEVARD
SUITE 203
ARLINGTON, VIRGINIA 22201

MAY 25, 1991

QUENTAL
COMPLIANCE GROUP INC.

1916 WILSON BOULEVARD
SUITE 203
ARLINGTON, VIRGINIA 22201
TELEPHONE: (703) 841-1710
FACSIMILE: (703) 841-1713

CERTIFICATE OF ANALYSIS

Client:
D&D Construction, C/O
W.W. Taylor & Assocs.

Attention:
Dennis Duley

Job Site:
Main Lobby
New Executive Office Building
17 & PA, NW
Washington, D.C.

Date Analyzed:
May 25, 1991

Submitted By:
Jason Drake

Blank samples were submitted

Date Sampled	Lab Number	Client Number	Volume Sampled	Fibers per MM2	Fibers per CC	Sample Location
5/24/91	A911925	910524DD01	220 L	30.57	0.05	Personal-John Daniels
5/24/91	A911926	910524DD02	240 L	52.23	0.08	Personal-John Daniels
5/24/91	A911927	910524DD03	600 L	6.92	<0.010	Inside area- Final, east enclosure
5/24/91	A911928	910524DD04	600 L	11.46	<0.010	Inside area- Final, west enclosure
5/24/91	A911929	910524DD05	0 L	1.27	0.01 fpf	Blank

MM2= Millimeters Squared
CC= Cubic Cetimeters
L= Liters of air
fpf= Fibers Per Field
NFO= No Fibers Observed In Counting One Hundred Fields

C 1991.01

Analyst Jason Drake

This report applies only to the analyses performed and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in part or in whole, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them, and unless collected by personnel of Quental Compliance Group, Inc., we expressly disclaim any knowledge and liability for the accuracy and completeness of this information.

mailed out 11/20/91 91-1233

DC0105ZZ

OCCUPATIONAL • ENVIRONMENTAL • ANALYTICAL
A SUBSIDIARY OF PRINCETON TESTING LABORATORY, INC.

4451-G Parliament Place
Lanham, MD 20706
301/306/0632
FAX: 301/306/9354

Plymouth Greene Office Campus A-1
801 E. Germantown Pike
Norristown, PA 19401
215/277/4520
FAX: 215/277/6099

RECEIVED
GSA-NCR
SAFETY & ENVIRONMENTAL
MANAGEMENT DIV. (WPX)
AUG 7 3 42 PM '91

June 13, 1991

Asbestos Abatement Monitoring
New Executive Office Building
OMC Project #: 038-NEOBDC-29

Performed For:

GSA, NCR, WPX
General Services Administration
Safety and Environmental Management
ROB Room 2036
7th and D Streets, SW
Washington, DC 20407

Contract #: GS-11P87MJD-0030 Work Order #: P1191DC9452

Attention: Normajean Eleazer

On May 24, 1991, OMC conducted air sampling and visual surveillance during the removal of asbestos containing insulation at the New Executive Office Building, 17th and Pennsylvania Avenue, NW, Washington, DC.

The abatement operation, conducted in the ceiling area between the east and west first floor lobbies, utilized several engineering methods to control fiber release: a plastic containment, a two-stage airlock entrance, a water source, and the establishment of negative air with high efficiency particulate absolute (HEPA) filtration. Worker protection consisted of disposable coveralls (2) and power air purifying respirators. Procedural problems were not encountered during this operation.

Area air samples were collected throughout the removal process. Air sampling and analysis was conducted in accordance with the Occupational Safety and Health Administration (OSHA) reference method as outlined in Occupational Exposure to Asbestos, Tremolite, Anthophyllite and Actinolite; Final Rules (29 CFR Parts 1910.1001). Samples were collected by drawing air through a membrane filter by means of a calibrated air sampling pump. Samples were analyzed by OMC Laboratories, an American Industrial Hygiene Association (AIHA) accredited laboratory. Sections of filters were mounted on slides and analyzed by phase contrast microscopy. One hundred fields or one hundred fibers were counted and a fiber concentration computed. Sample locations and analytical results, expressed as fibers per cubic centimeter (f/cc) of air, are summarized on the accompanying laboratory analysis sheets.

mg 8/12/91

The National Institute for Occupational Safety and Health (NIOSH) recommended standard for airborne asbestos in non-industrial environments is 0.01 f/cc. Outside area samples collected during the removal process and the final air sample collected after successful visual inspections and subsequent encapsulation met the NIOSH standard.

Should you have any questions concerning this matter, please do not hesitate to contact this office.

Sincerely,

Alex Taylor

Alex Taylor
Industrial Hygienist

David M Kichula

David M. Kichula, CIH
Manager, Industrial Hygiene Services

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

06/17/91

AIR SAMPLES ANALYSIS

Sample(s) taken on **05/24 at NEW EXECUTIVE OFFICE BLDG.**

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-29-05/24-A0001	675.00	6.5	100	0.01
LOCATION: **OUTSIDE CONTAINMENT OF EAST FIREDOOR (EAST LOBBY)**				
038-NEOBDC-29-05/24-A0002	675.00	3.0	100	0.01
LOCATION: **OUTSIDE CONTAINMENT OF EAST FIREDOOR (HEPA VAC FILTRATION)**				
038-NEOBDC-29-05/24-A0003	600.00	4.0	100	0.01
LOCATION: **FINAL INSIDE CONTAINMENT OF EAST FIREDOOR**				
038-NEOBDC-29-05/24-A0004	600.00	0.0	100	0.01
LOCATION: **OUTSIDE CONTAINMENT OF WEST FIREDOOR (WEST LOBBY)**				
038-NEOBDC-29-05/24-A0005	600.00	6.0	100	0.01
LOCATION: **FINAL INSIDE CONTAINMENT OF WEST FIREDOOR**				
038-NEOBDC-29-05/24-A0006	N/A	0.0	100	**BLANK**
LOCATION: **BLANK SAMPLE**				

This analysis was conducted in accordance with the mandatory OSHA Reference Method [Occupational Exposure To Asbestos, Tremolite, Anthophyllite, and Actinolite; *Final Rules*; 29 CFR Parts 1910.1001 and 1926.58, Appendices A and B], and the NIOSH 7400. The OMC Industrial Hygiene Laboratory ensures quality data exercising the interlaboratory/intralaboratory quality control programs described int the OSHA refrence method.

Reference : 155 071900 RECEIVED: 05/28/91 ANALYZED: 05/25/91

Dave M. Kichula, C.I.H. AnalystAT Reviewed By:
LAB DIRECTOR

ACCREDITATION Number 321

L A P

AIR SAMPLE SHEET

Project Number: 038 - NEOBDC-29

Page ___ of ___ Pages

Location: NEW EXECUTIVE OFFICE BLDG

Date: MAY 24, 1991

Address: 17TH & PENNSYLVANIA AVE. NW WASHINGTON D.C.

IH #: T - 0894

Lab ID #: 70674 To 70678

Management Contact: JETER MORRIS

Phone: 202-395-3675

SAMPLE ID # / LAB ID # LOCATION	PUMP	MEDIA	TIME ON	TIME OFF	TOTAL TIME	FLOW RATE	VOL.	RESULT	
SAMPLE-ID-NUMBER 038NEOBDC-29-5-24-A1 70674		MCEF	8:15	12:45	270M	2.5l/m	675l	<0.01	6.5/100
	Outside containment of EAST FIREDOOR (EAST LOBBY)								
SAMPLE-ID-NUMBER 038NEOBDC-29-5-24-A2 70675		MCEF	8:15	12:45	270M	2.5l/m	675l	<0.01	3/100
	Outside Containment of EAST FIREDOOR (HEPA VAC FILTRATION)								
SAMPLE-ID-NUMBER 038NEOBDC-29-5-24-A3 70676		MCEF	1:00	2:00	60M	10l/m	600l	<0.01	4.0/100
	Final - Inside containment of EAST FIREDOOR								
SAMPLE-ID-NUMBER 038NEOBDC-29-5-24-A4 70677		MCEF	1:45	5:45	240M	2.5l/m	600l	<0.01	0/100
	Outside containment of WEST FIREDOOR (WEST LOBBY)								
SAMPLE-ID-NUMBER 038NEOBDC-29-5-24-A5 70678		MCEF	3:41	4:41	60M	10l/m	600l	<0.01	6.0/100
	Final - Inside containment of WEST FIREDOOR								

Analysis Requested: DCM

Laboratory Used: OMC-LANHAM

Analyst/Date Analyzed: A.T. 5/25

Reference (Vol./Page): 1551 pg 19 & 20

Date Received: 1551 pg 44 + 45

SAMPLE TYPE

X AIR (A)

___ Aeroallergens (G)

___ Formaldehyde (F)

___ Other (O) ___

038NEOBDC-29-5-24-A6 - BLANK sample 0/100

71900

CA

ASBESTOS ABATEMENT INITIAL INSPECTION CHECKLIST

BUILDING: NEW EXECUTIVE OFFICE BUILDING **PROJECT:** SPRAYED-ON INSULATION REMOVAL (APPROXIMATELY 60 SQ FEET

LOCATION: FIRST FLOOR (EAST & WEST FIREDOORS) **DATE:** FRIDAY, MAY 24 1991

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	PROBLEM ENCOUNTERED
WORK SITE ISOLATION:	A) Perimeter Barrier	✓	
	B) Decontamination entry curtains	✓	
	C) Seals around ducts, windows, doors, shafts	✓	
	D) Vertical & horizontal openings	✓	
	E) All non-removable items covered with 6 mil plastic	HEPA	
	F) Micro-trap in use (min. pressure obtained) to start work according to contract specifications	VNC USED	
SIGNS/ LABELS:	A) Caution sign at control area entry*	✓	
	B) Bags/drums/dumpster labeled		
PERMITS/ LICENCES:	A) Applicable Company Licensing*	1	
	B) Applicable Employee Licensing*	1	
	C) Applicable Proof of Employee Training	1	
	D) Worker Training Provided by (Company, Agency Name(s)): 1		
	E) Any additional Permits for Storage, Hauling & Disposal of wastes*	1	
	F) Name of Company Transporting Wastes: 1		
	G) Location of landfill or other approved means of disposal according to federal, state or local regulations: 1		
WORKER PROTECTION CLOTHING:	A) Disposable clothing used once		
	B) Proper NIOSH respirators		
	C) Proper decontamination chamber set-up		
SHOWERS:	A) Functioning	WATER	
	B) Soap and towels	SPORT IN	
	C) Appropriate water filtration devices	CLEAN ROOM	
WORK HABITS:	A) No smoking	✓	
	B) No eating/drinking	✓	

* Federal, State, Local

1 Information submitted as part of PREBID PACKAGE

ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEW EXECUTIVE OFFICE BUILDING PROJECT: SPRAYED-ON INSULATION REmoval (APPROX. SQ.FEET

LOCATION: FIRST FLOOR DATE: FRIDAY, MAY 24, 1991

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	PROBLEM ENCOUNTERED
WORK SITE ISOLATION:	A) Perimeter barrier	✓	
	B) Decontamination entry curtains	✓	
	C) Seals around ducts, windows, doors, shafts	✓	
	D) Vertical & horizontal openings	✓	
	E) All non-removable items covered with 6 mil plastic	✓	
	F) Micro-trap in use (min. pressure maintained)	HEPA VAC	
SIGNS/ LABELS:	A) Caution sign at control area entry	✓	
	B) Bags/drums/dumpster labeled	✓	
WORK PRACTICES:	A) Non-controlled high-speed abrasive disc saws not in use	✓	
	B) Compressed air/sweeping not in use	✓	
	C) Removed material promptly bagged	✓	
	D) Bags/drums stored in secured areas	✓	
	E) HEPA vacuum cleaning in use	✓	
	F) Material wetted and kept wet until bagged	✓	
WORKER PROTECTION CLOTHING:	A) Disposable clothing used once	WORKERS	
	B) Proper NIOSH respirators	BOOTS	
	C) Proper decontamination sequence	SUITS	
SHOWERS:	A) Functioning		
	B) Soap and towels		
	C) Used each departure		
WORK HABITS:	A) No smoking	✓	
	B) No eating/drinking	✓	

Water source from in room

FIELD NOTES - *Record any problems encountered here. The above checklist questions require either "YES" or explanations below.

6:00 - OMC HYGIENIST ALEX P. TAYLOR AT JOB SITE. MET WITH PRIMARY CONTRACTOR. JOB WAS EXPLAINED AS FOLLOWED: (1) SET UP TWO SEPERATE TWO STAGE ENCLOSURES AT THE EAST & WEST FIREDOORS (2) REMOVE APPROXIMATELY 30 SQUARE FEET OF ASBESTOS SPRAY-ON INSULATION. (3) CLEAN ONLY THE WORK AREA WITHIN THE INSULATED CEILING AREA (4) DECONTAMINATE TWO STAGE CHAMBERS.

7:15 - SUB-CONTRACTOR (ASBESTOS REMOVING) ARRIVE AT WORK LOCATION.

7:38 > 9:30 - TWO STAGE BARRIER AT THE EAST FIREDOOR IN THE PROCESS OF BEING CONSTRUCTED.

9:35 - INITIAL INSPECTION OF EAST FIREDOOR CONTAINMENT CONDUCTED. WORKERS NEED TO DESIGNATE IMMEDIATE WORK AREA TO AVOID ANY UNCERTAINTIES OF "PRE-EXISTING" CONDITIONS.

10:47 - REMOVAL PROCESS TAKING PLACE AT THIS HOUR.

11:25 - WORKERS ARE BAGGING-OUT ASBESTOS MATERIALS & CLEANING CONTAINMENT BARRIERS. AFTERWARDS, CONTAINMENT IS ENCAPSULATED

1:00 - FINAL AIR SAMPLE PICKED UP.

1:39 - WEST FIREDOOR CONTAINMENT CONSTRUCTION HAS BEEN COMPLETED

Copies to:

Removal contractor: _____ Date: _____

Building Mgr.: _____ Date: _____

Main Office contact: _____ Date: _____

Job file: _____ Date: _____

1:50 - WORK BEGINS

3:25 - FINAL INSPECTION OF WEST FIREDOOR CONTAINMENT CONDUCTED.

4:41 - FINAL AIR SAMPLE COLLECTED.

FINAL AIR SAMPLING RESULTS:

Sample Number:	038NEOBX-29-5-24-A3			038NEOBX-29-5-24-A5		
Location:						
Volume (Liters):	600			600		
Fibers/Filter:						
Fibers/Cubic Cm:						

FIELD NOTES:

*Record any problems encountered here. The above checklist questions require either "YES" or "Problem Explanation" answers.

NO PROBLEMS ENCOUNTERED; HOWEVER, ALL WORK in the suspended CEILING THROUGHOUT THE FIRST FLOOR LOBBY SHOULD BE CONDUCTED UNDER ASBESTOS CONDITIONS DUE TO THE PRESENCE OF ASBESTOS APPLICATION.

Report Prepared by: _____ Date: _____

Report Reviewed by: _____ Date: _____

COPIES TO:

Removal Contractor: _____ Date: _____

Main Office Contact: _____ Date: _____

Job File: _____ Date: _____

FACILITY FILE
DC010522

MEMORANDUM FOR WILLIAM COBBS, BUILDINGS MANAGER
WHITE HOUSE FIELD OFFICE (WPBXW)

FROM: WILLIAM H. HART
ACTING DIRECTOR, SAFETY AND ENVIRONMENTAL MANAGEMENT DIVISION (WPX)

SUBJECT: Asbestos Air Sample Results, New Executive Office Building

This is to formally transmit the letter from OMC Inc., which was faxed to you in draft form on May 9, 1990. The letter explains the difference in the results of the asbestos fiber-in-air samples collected on February 20 from those collected on February 21, 1990. They conclude the results stem from the sampling method and low fiber count rather than laboratory analytical procedures.

Please provide copies to the concerned parties and notify us if they want to meet with GSA and/or OMC to discuss the results further.

If you have any questions regarding this matter, please call Marian Nuckolls or Steven Richard at 708-5236.

Attachment

The FIA report was previously faxed to WPBX on 3/12/90, and also provided with this memorandum.

Steve Richard

cc: Official, Reading, Facility
WPXE: S. Richard:6/02/90:708-5236
Title<SR>MEM.ASB.NEOB.STATS

AUTHOR: _____ DATE: _____
STEVEN RICHARD

CONCUR: _____ DATE: _____
MARIAN NUCKOLLS

CONCUR: _____ DATE: _____
FRED SISSON

4451 Parliament Place
Lanham, MD 20706
301/306-0632
FAX: 301/306-9354

Plymouth Greene Office Campus A-1
801 E. Germantown Pike
Norristown, PA 19401
215/277-4520
FAX: 215/277-6099

March 8, 1990

Ambient Asbestos Air Sampling
New Executive Office Building (NEOB)
OMC Project #: 038-NEOBDC-25

Performed for:

GSA/NCR/WPX
Safety and Environmental Management
ROB Room 2036
7th and D Streets, S.W.
Washington, D.C. 20407

Contract #: GS-11P87MJD-0030 Work Order #: P1190DC9160

Attn: Marion Nuckolls

On February 20 and 21, 1990, OMC conducted ambient asbestos air sampling at the New Executive Building located at 725 17th Street, N.W., Washington, D.C. The results of sample analysis and sample locations are summarized in the attached laboratory reports.

Methodology

Ambient air sampling was conducted in accordance with the sampling protocol suggested in OMC's report submitted to GSA on January 23, 1990 to include the following parameters:

1. The sampling was conducted over a two day period, and the floors were staggered over the two days - even numbered floors on one day, and odd numbered floors the next.

2. The sampling period was run during peak activity hours: between 9 AM and 5 PM.

3. The sampling was done in randomly chosen occupied areas, except for several areas which were designated by NEOB as "must sample."

4. The sampling plan placed at least 2 pumps in each air handler zone on each of the first ten floors. There are 4 main air handling units (AHUs). Due to the configuration and size of

AHU zones #1 and #4, more than two pumps were used per floor in those areas.

Analysis and Results

Sampling and analysis was conducted in accordance with the Occupational Safety and Health Administration (OSHA) reference method as outlined in Occupational Exposure to Asbestos, Tremolite, Anthophyllite and Actinolite; Final Rules (29 CFR Parts 1910.1001). Samples were collected by drawing air through a membrane filter by means of a calibrated air sampling pump. Samples were analyzed by OMC Laboratories, an American Industrial Hygiene Association (AIHA) accredited laboratory. Sections of filters were mounted on slides and analyzed by phase contrast microscopy. One hundred fields or one hundred fibers were counted and a fiber concentration computed.

Air sampling results show fiber concentrations met the National Institute for Occupational Safety and Health (NIOSH) recommended limit of 0.01 fibers per cubic centimeter (f/cc) of air for non-industrial environments.

Should you have any questions concerning this matter, please do not hesitate to contact this office.

Sincerely,

Kelly Grubb
Industrial Hygienist

Michael A. Cecil, CIH
Manager, Industrial Hygiene Services

KG/cy

OMC, Inc. ANALYTICAL LABORATORY

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

03/05/90

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 02/20 at NEW EXECUTIVE OFFICE BUILDING

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-25-02/20-A0001 LOCATION : ROOM # 4026	865.00	8.5	100	0.01
038-NEOBDC-25-02/20-A0002 LOCATION : ROOM # 4013	862.50	13.0	100	0.01
038-NEOBDC-25-02/20-A0003 LOCATION : ROOM # 4003	862.50	7.5	100	0.01
038-NEOBDC-25-02/20-A0004 LOCATION : ROOM # 4102	860.00	3.0	100	0.01
038-NEOBDC-25-02/20-A0005 LOCATION : ROOM # 4201	850.00	0.0	100	0.01
038-NEOBDC-25-02/20-A0006 LOCATION : ROOM #4202	852.50	3.0	100	0.01
038-NEOBDC-25-02/20-A0007 LOCATION : ROOM #4212	855.00	5.0	100	0.01
038-NEOBDC-25-02/20-A0008 LOCATION : 4TH FLOOR COMPUTER AREA - LEFT SIDE	852.50	2.0	100	0.01

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A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 02/20 at NEW EXECUTIVE OFFICE BUILDING

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-25-02/20-A0009	852.50	0.5	100	0.01
LOCATION : 4TH FLOOR COMPUTER AREA - RIGHT SIDE				
038-NEOBDC-25-02/20-A0010	842.50	1.0	100	0.01
LOCATION : PENTHOUSE WEST - BY AHU A-11-1				
038-NEOBDC-25-02/20-A0011	842.50	4.5	100	0.01
LOCATION : PENTHOUSE EAST - BY A-11-3				
038-NEOBDC-25-02/20-A0012	847.50	4.5	100	0.01
LOCATION : ROOM #10026				
038-NEOBDC-25-02/20-A0013	410.00	1.5	100	0.01
LOCATION : ROOM #10025				
038-NEOBDC-25-02/20-A0014	837.50	3.0	100	0.01
LOCATION : ROOM #10007				
038-NEOBDC-25-02/20-A0015	830.00	2.5	100	0.01
LOCATION : ROOM #10002				
038-NEOBDC-25-02/20-A0016	837.50	3.0	100	0.01
LOCATION : ROOM #10202				

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Sample(s) taken on 02/20 at NEW EXECUTIVE OFFICE BUILDING

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-25-02/20-A0017 LOCATION : ROOM #10201	827.50	7.5	100	0.01
038-NEOBDC-25-02/20-A0018 LOCATION : ROOM #10208	762.50	2.0	100	0.01
038-NEOBDC-25-02/20-A0019 LOCATION : ROOM #10213	830.00	1.5	100	0.01
038-NEOBDC-25-02/20-A0020 LOCATION : ROOM #10228	825.00	2.0	100	0.01
038-NEOBDC-25-02/20-A0021 LOCATION : ROOM # 10235	825.00	3.0	100	0.01
038-NEOBDC-25-02/20-A0022 LOCATION : ROOM #8025	832.50	4.5	100	0.01
038-NEOBDC-25-02/20-A0023 LOCATION : ROOM #8013	817.50	2.5	100	0.01
038-NEOBDC-25-02/20-A0024 LOCATION : ROOM #8002	830.00	10.5	100	0.01

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Sample(s) taken on 02/20 at NEW EXECUTIVE OFFICE BUILDING

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-25-02/20-A0025 LOCATION : ROOM #8001	825.00	5.0	100	0.01
038-NEOBDC-25-02/20-A0026 LOCATION : ROOM #8201	815.00	3.0	100	0.01
038-NEOBDC-25-02/20-A0027 LOCATION : ROOM # 8208	827.50	1.5	100	0.01
038-NEOBDC-25-02/20-A0028 LOCATION : ROOM # 8215	825.00	2.0	100	0.01
038-NEOBDC-25-02/20-A0029 LOCATION : ROOM #8222	807.50	4.0	100	0.01
038-NEOBDC-25-02/20-A0030 LOCATION : ROOM #8225	805.00	4.5	100	0.01
038-NEOBDC-25-02/20-A0031 LOCATION : ROOM #8236	810.00	2.0	100	0.01
038-NEOBDC-25-02/20-A0032 LOCATION : ROOM #6026	802.50	3.0	100	0.01

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Sample(s) taken on 02/20 at NEW EXECUTIVE OFFICE BUILDING

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-25-02/20-A0033 LOCATION : ROOM #1775	797.50	3.0	100	0.01
038-NEOBDC-25-02/20-A0034 LOCATION : ROOM #6101 - HEALTH UNIT	797.50	9.5	100	0.01
038-NEOBDC-25-02/20-A0035 LOCATION : ROOM #6104	797.50	4.0	100	0.01
038-NEOBDC-25-02/20-A0036 LOCATION : ROOM #6206	790.00	0.5	100	0.01
038-NEOBDC-25-02/20-A0037 LOCATION : ROOM #6214	810.00	1.0	100	0.01
038-NEOBDC-25-02/20-A0038 LOCATION : ROOM #6215	797.50	2.0	100	0.01
038-NEOBDC-25-02/20-A0039 LOCATION : ROOM #6225	800.00	2.5	100	0.01
038-NEOBDC-25-02/20-A0040 LOCATION : ROOM #6235	797.50	0.5	100	0.01

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A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 02/20 at NEW EXECUTIVE OFFICE BUILDING

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-25-02/20-A0041 LOCATION : ROOM #6236	790.00	5.5	100	0.01
038-NEOBDC-25-02/20-A0042 LOCATION : 2ND FLOOR CAFETERIA - SW CORNER	807.50	1.0	100	0.01
038-NEOBDC-25-02/20-A0043 LOCATION : 2ND FLOOR CAFETERIA - NW CORNER NEA COAT RACK	807.50	0.0	100	0.01
038-NEOBDC-25-02/20-A0044 LOCATION : KITCHEN AREA	805.00	0.5	100	0.01
038-NEOBDC-25-02/20-A0045 LOCATION : ROOM #2200	777.50	2.0	100	0.01
038-NEOBDC-25-02/20-A0046 LOCATION : ROOM #2010 - CONFERENCE ROOM	775.00	8.0	100	0.01
038-NEOBDC-25-02/20-A0047 LOCATION : ROOM #2008 - ATHLETIC CENTER	805.00	6.0	100	0.01
038-NEOBDC-25-02/20-A0048 LOCATION : ROOM LD1 NEOB MAILROOM - BASEMENT	710.00	11.0	100	0.01

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A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 02/20 at NEW EXECUTIVE OFFICE BUILDING

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-25-02/20-A0049	785.00	3.0	100	0.01
LOCATION : BASEMENT - CARPENTRY SHOP - LUNCH ROOM				
038-NEOBDC-25-02/20-A0050	780.00	15.0	100	0.01
LOCATION : 1B GARAGE - NORTH END FIRE ALARM BOX - AREA UNDER CONSTRUCTION				
038-NEOBDC-25-02/20-A0051	782.50	7.0	100	0.01
LOCATION : 1B GARAGE - SOUTH END - AREA UNDER CONSTRUCTION				
038-NEOBDC-25-02/20-A0052	745.00	6.5	100	0.01
LOCATION : 2B GARAGE - BY SUMP STATION - AREA UNDER CONSTRUCTION				
038-NEOBDC-25-02/20-A0053	770.00	10.0	100	0.01
LOCATION : 2B GARAGE - SOUTH SIDE - AREA UNDER CONSTRUCTION				
038-NEOBDC-25-02/20-A0054	770.00	4.0	100	0.01
LOCATION : SB214 - GSA MECH. SPACE - STEAM ROOM				

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03/05/90 PAGE 008

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 02/20 at NEW EXECUTIVE OFFICE BUILDING

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC

This analysis was conducted in accordance with the mandatory OSHA Reference Method [Occupational Exposure To Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules; 29 CFR Parts 1910.1001 and 1926.58, Appendices A and B, and the NIOSH 7400]. The OMC Industrial Hygiene Laboratory ensures quality data exercising the interlaboratory/intralaboratory quality control programs described in the OSHA Reference Method.

Reference : 110 044322 RECEIVED: 02/21/90 ANALYZED: 02/22/90 3-6-90

Michael A. Cecil, CIH
LAB DIRECTOR

Analyzed By : JB

Reviewed By : Vicki Moldovan

ACCREDITED BY AIHA ACCREDITATION No. 321

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03/05/90

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 02/21 at NEW EXECUTIVE OFFICE BUILDING

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-25-02/21-A0001 LOCATION : RM.#9026	1000.00	6.0	100	0.01
038-NEOBDC-25-02/21-A0002 LOCATION : RM.#9013-RECEPTION AREA	995.00	2.5	100	0.01
038-NEOBDC-25-02/21-A0003 LOCATION : RM.#9002	992.50	0.5	100	0.01
038-NEOBDC-25-02/21-A0004 LOCATION : BETWEEN RMS.#9007 -#9001	997.50	0.5	100	0.01
038-NEOBDC-25-02/21-A0005 LOCATION : RM.#9201	982.50	1.5	100	0.01
038-NEOBDC-25-02/21-A0006 LOCATION : RM.#9208	982.50	0.0	100	0.01
038-NEOBDC-25-02/21-A0007 LOCATION : RM.#9215	1005.00	2.0	100	0.01
038-NEOBDC-25-02/21-A0008 LOCATION : RM.#9224	1005.00	0.0	100	0.01

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Sample(s) taken on 02/21 at NEW EXECUTIVE OFFICE BUILDING

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-25-02/21-A0009 LOCATION : RM.#9235	880.00	1.0	100	0.01
038-NEOBDC-25-02/21-A0010 LOCATION : RM.#9202	980.00	0.5	100	0.01
038-NEOBDC-25-02/21-A0011 LOCATION : RM.#7026	987.50	1.5	100	0.01
038-NEOBDC-25-02/21-A0012 LOCATION : RM. 7025	982.50	2.5	100	0.01
038-NEOBDC-25-02/21-A0013 LOCATION : RM. 7007	980.00	1.5	100	0.01
038-NEOBDC-25-02/21-A0014 LOCATION : RM. 7002	980.00	3.0	100	0.01
038-NEOBDC-25-02/21-A0015 LOCATION : RM. 7201	980.00	3.0	100	0.01
038-NEOBDC-25-02/21-A0016 LOCATION : RM. 7208	977.50	1.0	100	0.01

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Sample(s) taken on 02/21 at NEW EXECUTIVE OFFICE BUILDING

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-25-02/21-A0017 LOCATION : RM. 7220	975.00	3.5	100	0.01
038-NEOBDC-25-02/21-A0018 LOCATION : RM. 7225	977.50	0.0	100	0.01
038-NEOBDC-25-02/21-A0019 LOCATION : RM. 7230	972.50	0.0	100	0.01
038-NEOBDC-25-02/21-A0020 LOCATION : RM. 7236	972.50	0.0	100	0.01
038-NEOBDC-25-02/21-A0021 LOCATION : RM. 7215 - CREDIT UNION	847.50	0.0	100	0.01
038-NEOBDC-25-02/21-A0022 LOCATION : RM. 5020	942.50	0.0	100	0.01
038-NEOBDC-25-02/21-A0023 LOCATION : RM. 5025	942.50	0.5	100	0.01
038-NEOBDC-25-02/21-A0024 LOCATION : RM. 5005	922.50	0.5	100	0.01

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Sample(s) taken on 02/21 at NEW EXECUTIVE OFFICE BUILDING

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-25-02/21-A0025 LOCATION : RM. 5002	947.50	1.0	100	0.01
038-NEOBDC-25-02/21-A0026 LOCATION : RM. 5113 - SNACK BAR	905.00	0.0	100	0.01
038-NEOBDC-25-02/21-A0027 LOCATION : RM. 5208	930.00	2.5	100	0.01
038-NEOBDC-25-02/21-A0028 LOCATION : RM. 5216	940.00	0.0	100	0.01
038-NEOBDC-25-02/21-A0029 LOCATION : RM. 5217	57.50	0.0	100	0.01
038-NEOBDC-25-02/21-A0030 LOCATION : RM. 5228	937.50	0.0	100	0.01
038-NEOBDC-25-02/21-A0031 LOCATION : RM. 5235 (SUBSTITUTE ROOM FOR 5227-A WHICH WAS LOCKED)	945.00	1.0	100	0.01
038-NEOBDC-25-02/21-A0032 LOCATION : RM. 3001	940.00	0.0	100	0.01

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Sample(s) taken on 02/21 at NEW EXECUTIVE OFFICE BUILDING

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-25-02/21-A0033 LOCATION : RM. 3002	942.50	3.0	100	0.01
038-NEOBDC-25-02/21-A0034 LOCATION : RM. 3018 - CONFERENCE ROOM	935.00	0.0	100	0.01
038-NEOBDC-25-02/21-A0035 LOCATION : RM. 3019	940.00	0.0	100	0.01
038-NEOBDC-25-02/21-A0036 LOCATION : RM. 3201	920.00	1.0	100	0.01
038-NEOBDC-25-02/21-A0037 LOCATION : RM. 3208	932.50	0.0	100	0.01
038-NEOBDC-25-02/21-A0038 LOCATION : RM. 3218	840.00	0.0	100	0.01
038-NEOBDC-25-02/21-A0039 LOCATION : RM. 3221	832.50	1.5	100	0.01
038-NEOBDC-25-02/21-A0040 LOCATION : RM. 3235	907.50	0.0	100	0.01

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Sample(s) taken on 02/21 at NEW EXECUTIVE OFFICE BUILDING

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-25-02/21-A0041 LOCATION : RM. 3236	907.50	0.0	100	0.01
038-NEOBDC-25-02/21-A0042 LOCATION : LIBRARY - GROUND FLOOR	907.50	0.5	100	0.01
038-NEOBDC-25-02/21-A0043 LOCATION : GROUND FLOOR - G201 UNIFORMED DIVISION	890.00	1.0	100	0.01
038-NEOBDC-25-02/21-A0044 LOCATION : G-1 COURIER DELIVERY	890.00	1.0	100	0.01
038-NEOBDC-25-02/21-A0045 LOCATION : OFFICE AREA NEXT TO SQUAD ROOM	890.00	0.0	100	0.01
038-NEOBDC-25-02/21-A0046 LOCATION : G007 - OFFICE SPACE [MOVED DUE TO OCCUPANT COMPLAINT]	882.50	2.0	100	0.01
038-NEOBDC-25-02/21-A0047 LOCATION : SB 227 - GSA STORE - STORAGE AREA	880.00	2.0	100	0.01
038-NEOBDC-25-02/21-A0048 LOCATION : SB 226 - COPY CENTER	890.00	1.0	100	0.01

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Sample(s) taken on 02/21 at NEW EXECUTIVE OFFICE BUILDING

SAMPLE NUMBER	VOLUME (LITER)	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-25-02/21-A0049	915.00	1.5	100	0.01
LOCATION : SB - ENGINEER'S OFFICE IN COMPRESSOR ROOM				
038-NEOBDC-25-02/21-A0050	872.50	2.5	100	0.01
LOCATION : SB 234 - OFFICE SPACE				
038-NEOBDC-25-02/21-Z0051	N/A	1.0	100	BLANK
038-NEOBDC-25-02/21-Z0052	N/A	0.5	100	BLANK
038-NEOBDC-25-02/21-Z0053	N/A	0.0	100	BLANK
038-NEOBDC-25-02/21-Z0054	N/A	1.0	100	BLANK
038-NEOBDC-25-02/21-Z0055	N/A	3.0	100	BLANK

This analysis was conducted in accordance with the mandatory OSHA Reference Method [Occupational Exposure To Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules; 29 CFR Parts 1910.1001 and 1926.58, Appendices A and B, and the NIOSH 7400]. The OMC Industrial Hygiene Laboratory ensures quality data exercising the interlaboratory/intralaboratory quality control programs described in the OSHA Reference Method.

Reference : 110 044432 RECEIVED: 02/22/90 ANALYZED: 02/26/90

Michael A. Cecil, CIH
LAB DIRECTOR

Analyzed By : SED Vicki Moldover 3-6-90

Reviewed By : Amy L. Burgess

ACCREDITED BY AIHA ACCREDITATION No. 321

DC010522

SEP 21 1989

MEMORANDUM FOR WILLIAM COBBS
BUILDINGS MANAGER, WHITE HOUSE FIELD OFFICE (WFFX)

FROM: GUY D. BOSTON
DIRECTOR, SAFETY AND ENVIRONMENTAL
MANAGEMENT DIVISION (WPX)

SUBJECT: Transmission Electron Microscopy Analysis,
New Executive Office Building, 725 17th Street, NW

Ambient asbestos air monitoring was performed at the New Executive Office Building on May 12, 1989, by the Occupational Medical Center. Three sample results from that analysis showed levels slightly above 0.01 fibers per cubic centimeter (f/cc) of air, the National Institute for Occupational Safety and Health (NIOSH) recommended asbestos standard for non-industrial environments.

Elevated sample results from the original analysis using Phase Contrast Microscopy were re-analyzed using Transmission Electron Microscopy (TEM). The TEM values for these samples were examined and not found to contain any asbestos. No follow-up action is currently planned or recommended at this time.

Please keep this report with the building asbestos file. If you have any further concerns regarding this matter, please contact Ms. Charmayne Kirkland on 453-5236.

Attachment

cc:
Official, Reading
WPXE:CKirkland:my:09/19/89:453-5236
Title<neob tem 8/29/89>char

Author: C. Kirkland Date 9/18/89
Charmayne Kirkland, IH

Concur: _____ Date _____
Marian Nuckolls, Supv. IH

Concur: _____ Date _____
Fred Sisson, Branch Chief WPXE

RECEIVED 9/1/89

ENVIRONMENTAL • MEDICAL • ANALYTICAL

4451 Parliament Place
Lanham, MD 20706
301/306-0632
FAX: 301/306-9354

Plymouth Greene Office Campus A-1
801 E. Germantown Pike
Norristown, PA 19401
215/277-4520
FAX: 215/277-6099

August 29, 1989

TEM RESULTS
OMC PROJECT: #038-NEOBDC-19

PERFORMED FOR:

GSA, NCR, WPX
General Services Administration
Safety and Environment Management
Room 2036
7th & D Sts. S.W.
Washington, DC 20407

Contract: #GS-11P-87MJD0030 Work Order: #P1189DC6252

Attn: M. Nuckolls

At your request, OMC conducted an ambient air survey for airborne asbestos fibers at the New Executive Office Building.

Per discussion with GSA Safety and Environmental Management officials, three samples were submitted for transmission electron microscopy (TEM) as detected fiber levels were above the GSA recommended response level of 0.03 fibers per cubic centimeter (f/cc) of air. Analytical results for these samples are enclosed.

Should you have any questions concerning this matter, do not hesitate to contact this office.

Sincerely,

Christopher Beza

Christopher Beza
Supervisor, Asbestos Laboratory Services

CB/pw
Enclosure

TEM SAMPLE RESULTS

SAMPLE NUMBER	AIR VOLUME (LITERS)	ASBESTOS RESULTS	MDL
038-NEOBDC-17-05/12-A4	652.5	NO ASBESTOS DETECTED	0.007 f/cc
038-NEOBDC-17-05/12-A7	662.5	NO ASBESTOS DETECTED	0.007 f/cc
038-NEOBDC-17-05/12-A14	642.5	NO ASBESTOS	0.007 f/cc

DC010522

FACT SHEET

ISSUE: New Executive Office Building (NEOB) Ambient Air Sampling

DATE OF INITIAL REPORT: AUGUST 22, 1989

DISCUSSION: In accordance with GSA policy outlined in PBS P 5900.2C, the General Services Administration, National Capital Region (NCR) performs periodic ambient air sampling for asbestos fibers in air.

Attached is a June 2, 1989, report of the ambient air monitoring performed on May 12 and 15, 1989, in the New Executive Office Building (NEOB). During this sampling period, 61 air samples were taken. Fifty-eight of the samples were below 0.01 fibers per cubic centimeter (f/cc), the lower limit of detection for phase contrast microscopy. The National Institute for Occupational Safety and Health (NIOSH) has recommended to NCR that 0.01 f/cc be used as a limit of exposure for office exposure.

The three air samples taken at NEOB which were above 0.01 f/cc were examined as to location, the locations were not near damaged asbestos containing materials, or active asbestos abatement sites. Analysis of the three samples by Transmission Electron Microscope (TEM), a more definitive, but much more expensive asbestos detection method, was ordered on a routine basis as the building does contain sprayed on asbestos fireproofing. The results will be available August 31, 1989.

The three samples that are to be analyzed by TEM, are:

1. The first sample at 0.09 f/cc (038-NEOBDC-17-05/12-A0007) was located in the carpenter shop, a good source of fibrous, but non-asbestos material.

2. The second sample at 0.03 f/cc (038-NEOBDC-17-05/12-A0004) was in the SB 214 mechanical room where extensive quantities of fiberglass pipe insulation were reported to be present.

3. The third sample at 0.02 f/cc (038-NEOBDC-17-05/12-A0014) was in the G1 Courier Delivery area, an area where paper materials are handled daily.

Attachment:

June 2, 1989, Ambient Air Sample Results

LEAD ORGANIZATION: Safety and Environmental Management Division-WPX

CONTACT PERSON: Guy D. Boston PHONE: 453-5236

ENVIRONMENTAL • MEDICAL • ANALYTICAL

4451 Parliament Place
Lanham, MD 20706
301/306-0632
FAX: 301/306-9354

Plymouth Greene Office Campus A-1
801 E. Germantown Pike
Norristown, PA 19401
215/277-4520
FAX: 215/277-6099

June 2, 1989

Ambient Asbestos Air Sampling
New Executive Office BUilding (NEOB)
OMC Project: 038-NEOBDC-17

Performed For:

General Services Administration
Safety and Environmental Management
ROB Room 2034
7th and D Streets, S.W.
Washington, D.C. 20407

Contract: #GS-11P87MJD-0030 Work Order: #P1189DC-5822

Attn: Mr. Fred Sisson

On May 12 and 15, 1989, OMC conducted ambient asbestos air sampling at the New Executive Office Building located at 725 17th Street, N.W., Washington, D.C. The results of sample analysis and sample locations are summarized in the attached laboratory reports.

Sampling and analysis was conducted in accordance with the Occupational Safety and Health Administration (OSHA) reference method as outlined in Occupational Exposure to Asbestos, Tremolite, Anthophyllite and Actinolite; Final Rules (29 CFR Parts 1910.1001). Samples were collected by drawing air through a membrane filter by means of a calibrated air sampling pump. Samples were analyzed by OMC Laboratories, an American Industrial Hygiene Association (AIHA) accredited laboratory. Sections of filters were mounted on slides and analyzed by phase contrast microscopy. One hundred fields or one hundred fibers were counted and a fiber concentration computed.

Air sampling results show fiber concentrations met the National Institute for Occupational Safety and Health (NIOSH) recommended limit of 0.01 fibers per cubic centimeter (f/cc) of air for non-industrial environments. Exceptions were sample results for 1B Carpentry Shop (0.09 f/cc) and SB 214 Mechanical Room (0.03 f/cc). It is recommended

that these samples be submitted for analysis by scanning electron microscopy (SEM) in order to further identify fibers present on the sample filters.

Should you have any questions concerning this matter, please do not hesitate to contact this office.

Sincerely,

Timothy Sleeth
Industrial Hygienist

Michael A. Cecil, CIH
Manager, Industrial Hygiene Services

TS:bm

OMC, Inc. ANALYTICAL LABORATORY

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

05/16/89

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 05/12 at NEW EXECUTIVE BUILDING

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-17-05/12-A0001	662.50	2.0	100.0	0.01
LOCATION : SB COMPRESSOR ROOM CENTER COL.				
038-NEOBDC-17-05/12-A0003	665.00	0.0	100.0	0.01
LOCATION : SB 227 GSA STORE				
038-NEOBDC-17-05/12-A0004	652.50	29.0	100.0	0.03
LOCATION : SB 214 MECH ROOM				
038-NEOBDC-17-05/12-A0005	660.00	2.5	100.0	0.01
LOCATION : SB GARAGE ON ER LIGHTS				
038-NEOBDC-17-05/12-A0006	412.50	6.5	100.0	0.01
LOCATION : 1B LEVEL OUTSIDE LOADING DOCK				
038-NEOBDC-17-05/12-A0007	662.50	106.5	100.0	0.09
LOCATION : 1B CARPENTRY SHOP BY FIRST AID				
038-NEOBDC-17-05/12-A0008	657.50	1.0	100.0	0.01
LOCATION : 1B VAULT AREA B112				
038-NEOBDC-17-05/12-A0009	647.50	0.5	100.0	0.01
LOCATION : 1B BY B239 LUNCH ROOM				

OMC, Inc. ANALYTICAL LABORATORY

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

05/16/89

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 05/12 at NEW EXECUTIVE BUILDING

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-17-05/12-A0010 LOCATION : 1B 233	647.50	2.0	100.0	0.01
038-NEOBDC-17-05/12-A0011 LOCATION : 1B GSA CONTRACT CLEANERS B225	647.50	4.0	100.0	0.01
038-NEOBDC-17-05/12-A0012 LOCATION : G005 PERIODICALS SECTION OF LIBRARY	645.00	2.0	100.0	0.01
038-NEOBDC-17-05/12-A0013 LOCATION : G201 UNIFORMED DIVISION	620.00	1.0	100.0	0.01
038-NEOBDC-17-05/12-A0014 LOCATION : G1 COURIER DELIVERY	642.50	13.5	100.0	0.02
038-NEOBDC-17-05/12-A0015 LOCATION : G OFFICE AREA BEFORE G236	642.50	7.5	100.0	0.01
038-NEOBDC-17-05/12-A0016 LOCATION : G236 SPECIAL PROGRAMS BRANCH/MOVED	635.00	0.0	100.0	0.01
038-NEOBDC-17-05/12-A0017 LOCATION : RM 2008	632.50	3.5	100.0	0.01

OMC, Inc. ANALYTICAL LABORATORY

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

05/16/89

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 05/12 at NEW EXECUTIVE BUILDING

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-17-05/12-A0018	635.00	0.0	100.0	0.01
LOCATION : RM 2010 CONFERENCE ROOM				
038-NEOBDC-17-05/12-A0019	635.00	0.0	100.0	0.01
LOCATION : 2ND FLOOR CAFETERIA NORTH END				
038-NEOBDC-17-05/12-A0020	635.00	1.0	100.0	0.01
LOCATION : 2ND FLOOR CAFETERIA SOUTH END				
038-NEOBDC-17-05/12-A0021	617.50	2.0	100.0	0.01
LOCATION : 2ND FLOOR RECORDS AND PUBLICATIONS BRANCH 2ND FL				
038-NEOBDC-17-05/12-A0022	615.00	1.0	100.0	0.01
LOCATION : 3RD FLOOR ROOM 3002				
038-NEOBDC-17-05/12-A0023	612.50	0.0	100.0	0.01
LOCATION : ROOM 3020 COPY CENTER				
038-NEOBDC-17-05/12-A0024	612.50	0.0	100.0	0.01
LOCATION : ROOM 3019 OFFICE AREA				
038-NEOBDC-17-05/12-A0025	617.50	0.5	100.0	0.01
LOCATION : ROOM 3113 COPY ROOM				

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

05/16/89

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 05/12 at NEW EXECUTIVE BUILDING

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-17-05/12-A0026	627.50	1.0	100.0	0.01
LOCATION : ROOM 3221 ON FILE CABINET ROOM				
038-NEOBDC-17-05/12-A0027	612.50	1.0	100.0	0.01
LOCATION : ROOM 4102 OFFICE AREA				
038-NEOBDC-17-05/12-A0028	610.00	0.0	100.0	0.01
LOCATION : ROOM 4026 OFFICE CORR. ON COAT RACK				
038-NEOBDC-17-05/12-A0029	602.50	3.0	100.0	0.01
LOCATION : ROOM 4005 OFFICE AREA REC.				
038-NEOBDC-17-05/12-A0030	607.50	1.0	100.0	0.01
LOCATION : 4TH FLOOR COMPUTER CENTER NORTH END				
038-NEOBDC-17-05/12-A0031	602.50	1.0	100.0	0.01
LOCATION : 4TH FLOOR COMPUTER CENTER SOUTH END OFFICE				
038-NEOBDC-17-05/12-A0032	600.00	1.0	100.0	0.01
LOCATION : ROOM 5025 OFFICE SPACE				
038-NEOBDC-17-05/12-A0033	600.00	0.5	100.0	0.01
LOCATION : ROOM 5005 OFFICE SPACE				

OMC, Inc. ANALYTICAL LABORATORY

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

05/16/89

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 05/12 at NEW EXECUTIVE BUILDING

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-17-05/12-A0034 LOCATION : ROOM 5113 SNACK BAR	600.00	3.0	100.0	0.01
038-NEOBDC-17-05/12-A0035 LOCATION : ROOM 5227A COMPUTER TRAINING ROOM	600.00	1.0	100.0	0.01
038-NEOBDC-17-05/12-A0036 LOCATION : 5208 DATA CENTER	605.00	1.0	100.0	0.01

This analysis was conducted in accordance with the mandatory OSHA Reference Method [Occupational Exposure To Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules; 29 CFR Parts 1910.1001 and 1926.58, Appendices A and B]. The OMC Industrial Hygiene Laboratory ensures quality data exercising the interlaboratory/intralaboratory quality control programs described in the OSHA Reference Method.

Reference : 083 033561 RECEIVED: 05/12/89 ANALYZED: 05/16/89

Michael A. Cecil, CIH
LAB DIRECTOR

Analyzed By : CB Chris Bey

Reviewed By : Valerie Gray 5/17/89

ACCREDITED BY AIHA ACCREDITATION No. 321

MC, Inc. ANALYTICAL LABORATORY

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

05/22/89

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 05/15 at NEW EXECUTIVE BUILDING

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-17-05/15-A0001	677.50	0.0	100.0	0.01
LOCATION : PENTHOUSE AHU ROOM AHU #2				
038-NEOBDC-17-05/15-A0002	677.50	0.0	100.0	0.01
LOCATION : PENTHOUSE WEST AHU #4				
038-NEOBDC-17-05/15-A0003	675.00	0.0	100.0	0.01
LOCATION : 10 FL ROOM 10026				
038-NEOBDC-17-05/15-A0004	667.50	4.0	100.0	0.01
LOCATION : 10 FL ROOM 10007				
038-NEOBDC-17-05/15-A0005	670.00	0.5	100.0	0.01
LOCATION : 10 FL ROOM 10211 COPY CENTER				
038-NEOBDC-17-05/15-A0006	660.00	0.0	100.0	0.01
LOCATION : 10 FL ROOM 10225				
038-NEOBDC-17-05/15-A0007	665.00	1.5	100.0	0.01
LOCATION : 10 FL ROOM 10201 (SMOKER IN AREA)				
038-NEOBDC-17-05/15-A0008	655.00	2.5	100.0	0.01
LOCATION : 9 FL ROOM 9025				

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

05/22/89

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 05/15 at NEW EXECUTIVE BUILDING

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-17-05/15-A0009 LOCATION : 9 FL ROOM 9002	662.50	2.5	100.0	0.01
038-NEOBDC-17-05/15-A0010 LOCATION : 9 FLR ROOM 9236	657.50	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0011 LOCATION : 9 FL ROOM 9202	662.50	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0012 LOCATION : 8 FL ROOM 8025	650.00	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0013 LOCATION : 8 FL ROOM 8012	650.00	2.5	100.0	0.01
038-NEOBDC-17-05/15-A0014 LOCATION : 8 FL ROOM 8104	647.50	5.0	100.0	0.01
038-NEOBDC-17-05/15-A0015 LOCATION : 8 FLR ROOM 8234	647.50	1.0	100.0	0.01
038-NEOBDC-17-05/15-A0016 LOCATION : 8 FL ROOM 8201	650.00	0.5	100.0	0.01

MC, Inc. ANALYTICAL LABORATORY

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

05/22/89

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 05/15 at NEW EXECUTIVE BUILDING

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-17-05/15-A0017 LOCATION : 7 FL ROOM 7019	652.50	1.0	100.0	0.01
038-NEOBDC-17-05/15-A0018 LOCATION : 7 FL ROOM 7002	650.00	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0019 LOCATION : 7 FL ROOM CORRIDOR BY 7215	650.00	1.0	100.0	0.01
038-NEOBDC-17-05/15-A0020 LOCATION : 7 FL ROOM 7236 PUMP FAULTED AT 195	487.50	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0021 LOCATION : 7 FL ROOM 7201 SINGLE UNIT AIR CLEANER IN AREA SMOKERS IN AREA	637.50	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0022 LOCATION : 6 FL ROOM 6026	612.50	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0023 LOCATION : 6 FL ROOM 6013	635.00	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0024 LOCATION : 6 FL ROOM 6101 HEALTH UNIT	630.00	0.5	100.0	0.01

OMC, Inc. ANALYTICAL LABC TORY

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

05/22/89

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 05/15 at NEW EXECUTIVE BUILDING

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-17-05/15-A0025 LOCATION : 6 FL CORR BY ROOM 6113	632.50	1.0	100.0	0.01
038-NEOBDC-17-05/15-A0026 LOCATION : 6 FL ROOM 6226	632.50	0.5	100.0	0.01

This analysis was conducted in accordance with the mandatory OSHA Reference Method [Occupational Exposure To Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules; 29 CFR Parts 1910.1001 and 1926.58, Appendices A and B]. The OMC Industrial Hygiene Laboratory ensures quality data exercising the interlaboratory/intralaboratory quality control programs described in the OSHA Reference Method.

Reference : 084 033604 RECEIVED: 05/15/89 ANALYZED: 05/16/89

Michael A. Cecil, CIH
LAB DIRECTOR

Analyzed By : CB

Reviewed By : 5/25/89

ACCREDITED BY AIHA ACCREDITATION No. 321

REC'D 3/19/87-mks
74759

DC0105ZZ

ENVIRONMENTAL • MEDICAL • ANALYTICAL

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202/488-7990

200 Hospital Drive
Suite 202
Glen Burnie, MD 21061
301/760-7560

2055 Chemical Road
Plymouth Meeting, PA 19462
215/825-7130

March 18, 1987

New Executive Office Building
Asbestos Air Sampling **DC0105ZZ**

PERFORMED FOR:

General Services Administration
Safety and Environmental Management
ROB Room 2034
7th and D Sts., S.W.
Washington, D.C. 20407

Contract #GS-11C-40323 Work Request #87-041-78

ATTN: Marybeth Stewart

At the request of GSA's Safety and Environmental Management Division, OMC conducted asbestos air monitoring and bulk sampling as part of an an asbestos assessment at the New Executive Office Building, 17th and H Streets, N.W., Washington, D.C.

Twenty two (22) air samples were collected from the air plenum above the suspended ceiling on all ten floors. Locations were chosen randomly. Two background samples were collected below the suspended ceiling.

Bulk samples were collected from ceiling plaster (elevator lobbies, hallways) and suspended ceiling tiles.

Sampling and analysis was conducted in accordance with the Occupational Safety and Health Association (OSHA) reference method as outlined in Occupational Exposure to Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules (29 CFR parts 1910.1001). Samples were collected by drawing air through a membrane filter by means of a calibrated air sampling pump. Samples were analyzed by OMC Laboratories an American Industrial Hygiene Association (AIHA) accredited laboratory. Sections of filters were mounted on slides and analyzed by phase contrast microscopy. One hundred fields or 100 fibers were counted and a fiber concentration computed. All results are attached hereto.

Bulk sampling was performed according to the NIOSH recommended method for bulk sampling asbestos containing materials. Analysis of the samples was performed according to the EPA Interim Method for Identification of Asbestos in Bulk Samples. This method employs polarized light microscopy to identify a sample's fibrous components. Analytical results have been summarized in the attached laboratory sheets.

The National Institute for Occupational Safety and Health (NIOSH) recommends that airborne asbestos fiber levels remain below 0.01 fibers per cubic centimeter (f/cc) of air. All samples were well below this level. However, debris from the asbestos containing spray-on insulation was observed on the suspended ceiling tiles throughout the building. It is recommended that any work performed above the suspended ceiling be done in accordance with GSA and OSHA asbestos abatement guidelines.

Bulk sample results indicate the ceiling plaster of the elevator lobbies (including the freight elevator lobbies) on all floors contains asbestos.

Should you have any questions concerning this matter, please do not hesitate to contact this office.

Sincerely,

Mike

Brian Duggan
Industrial Hygienist

Michael A. Cecil

Michael A. Cecil, C.I.H.
Manager, Industrial Hygiene Services

Results for Bulk Sampling for Asbestos
New Executive Office Building
February 24, 1986

Sample Number	Description	Result
NEOBDCØ4-2-24-B1	Suspended ceiling tile, Room SB-221-A	NAD
NEOBDCØ4-2-24-B2	Same as B1	NAD
NEOBDCØ4-2-24-B3	Same as B1	NAD
NEOBDCØ4-2-24-B4	Ceiling Plaster, ~~sub-~~ SB elevator lobby	5-1Ø% Chrysotile
NEOBDCØ4-2-24-B5	Same as B4	1Ø-15% Chrysotile
NEOBDCØ4-2-24-B6	Ceiling plaster, ground floor elevator lobby	NAD
NEOBDCØ4-2-24-B7	Same as B6	5-1Ø% Chrysotile
NEOBDCØ4-2-24-B8	Same as B6	5-1Ø% Chrysotile
NEOBDCØ4-2-24-B9	Ceiling plaster, fifth floor elevator lobby	1Ø-15% Chrysotile
NEOBDCØ4-2-24-B1Ø	Same as B9	15-2Ø% Chrysotile
NEOBDCØ4-2-24-B11	Same as B9	15-2Ø% Chrysotile
NEOBDCØ4-2-24-B12	Ceiling plaster, eighth floor elevator lobby	2Ø-25% Chrysotile
NEOBDCØ4-2-24-B13	Same as B12	15-2Ø% Chrysotile

NAD = No Asbestos Detected

O M C ANALYTICAL LABORATORY

490 L'ENFANT PLAZA
SUITE 4300
WASHINGTON, DC 20024
TEL. (202) 488-7990

CUSTOMER :

NEW EXECUTIVE OFFICE BUILDING
,

03/03/87

POLARIZED LIGHT MICROSCOPY ANALYSIS

JOB ID : 001-NEOBDC-04
LAB ID : 001-NEOBDC-04-02/24-B001

DATE RECEIVED : 02/24/87
DATE ANALYZED : 03/02/87

LOCATION : 2X4 CEILING TILE ROOM SB-221A (FIBERGLASS)

APPEARANCE : HOMOGENEOUS, FIBROUS AND FRIABLE.
COLOR : YELLOW

WHITE SURFACE

ASBESTOS CONCENTRATION IS 0%

CHRYSOTILE :	NONE	TREMOLITE :	NONE
AMOSITE :	NONE	ANTHOPHLLITE :	NONE
CROCIDOLITE :	NONE	ACTINOLITE :	NONE

FIBROUS, NON-ASBESTOS MATERIALS		NON-FIBROUS MATERIALS
FIBERGLASS	80% - 85%	CARBONATES
ORGANIC FIBER	1% - 3%	VARIOUS OTHER MATERIALS
		ADHESIVE

FIBROUS : 81% - 88% NON-FIBROUS : 15.0% - 20.0%

MICHAEL J. LARSEN C.I.H.
LAB DIRECTOR

Analyzed By :DAH 3-7-87

CHECKED BY : 3-4-87

REFRENCE : 8 4 N

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O M C ANALYTICAL LABORATORY

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CUSTOMER :

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POLARIZED LIGHT MICROSCOPY ANALYSIS

JOB ID : 001-NEOBDC-04
LAB ID : 001-NEOBDC-04-02/24-B002

DATE RECEIVED : 02/24/87
DATE ANALYZED : 03/02/87

LOCATION : SAME AS B001

APPEARANCE : HOMOGENEOUS, FIBROUS AND FRIABLE.
COLOR : YELLOW

WHITE PARTICLES INCLUDED

ASBESTOS CONCENTRATION IS 0%

CHRYSOTILE :	NONE	TREMOLITE :	NONE
AMOSITE :	NONE	ANTHOPHLLITE :	NONE
CROCIDOLITE :	NONE	ACTINOLITE :	NONE

FIBROUS, NON-ASBESTOS MATERIALS		NON-FIBROUS MATERIALS
FIBERGLASS	80% - 85%	CARBONATES
ORGANIC FIBER	1% - 3%	ADHESIVE

FIBROUS : 81% - 88% NON-FIBROUS : 15.0% - 20.0%

MICHAEL J. LARSEN C.I.H.
LAB DIRECTOR

Analyzed By :DAH DAH 3-4-87

CHECKED BY : EJK 3-4-87

REFRENCE : 8 5 N

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POLARIZED LIGHT MICROSCOPY ANALYSIS

JOB ID : 001-NEOBDC-04
LAB ID : 001-NEOBDC-04-02/24-B003

DATE RECEIVED : 02/24/87
DATE ANALYZED : 03/02/87

LOCATION : SAME AS B001

APPEARANCE : HOMOGENEOUS, FIBROUS AND FRIABLE.
COLOR : YELLOW

WHITE PARTICLES INCLUDED

ASBESTOS CONCENTRATION IS 0%

CHRYSOTILE :	NONE	TREMOLITE :	NONE
AMOSITE :	NONE	ANTHOPHLLITE :	NONE
CROCIDOLITE :	NONE	ACTINOLITE :	NONE

FIBROUS, NON-ASBESTOS MATERIALS		NON-FIBROUS MATERIALS
FIBERGLASS	80% - 85%	GLASS
ORGANIC FIBER	1% - 5%	CARBONATES
		ADHESIVE

FIBROUS : 81% - 90% NON-FIBROUS : 10.0% - 15.0%

MICHAEL J. LARSEN C.I.H.
LAB DIRECTOR

Analyzed By :DAH DAH 3-4-87

CHECKED BY : ESK 3-4-87

REFRENCE : 8 6 N

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POLARIZED LIGHT MICROSCOPY ANALYSIS

JOB ID : 001-NEOBDC-04
LAB ID : 001-NEOBDC-04-02/24-B004

DATE RECEIVED : 02/24/87
DATE ANALYZED : 03/02/87

LOCATION : CEILING PLASTER SB ELEVATOR LOBBY

APPEARANCE : HOMOGENEOUS, FIBROUS AND FRIABLE.
COLOR : LIGHT GRAY

ASBESTOS CONCENTRATION IS 5.0% - 10.0%

CHRYSOTILE :	5.0% - 10.0%	TREMOLITE :	NONE
AMOSITE :	NONE	ANTHOPHLLITE :	NONE
CROCIDOLITE :	NONE	ACTINOLITE :	NONE

FIBROUS, NON-ASBESTOS MATERIALS		NON-FIBROUS MATERIALS
ORGANIC FIBER	1% - 5%	GLASS
BRUCITE	5% - 10%	SILICATES
		CARBONATES
		OPAQUES

FIBROUS : 6% - 15% NON-FIBROUS : 75.0% - 80.0%

MICHAEL J. LARSEN C.I.H.
LAB DIRECTOR

Analyzed By :DAH DAH 3-4-87

CHECKED BY : EJK 3-4-87

REFRENCE : 8 7 N

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POLARIZED LIGHT MICROSCOPY ANALYSIS

JOB ID : 001-NEOBDC-04
LAB ID : 001-NEOBDC-04-02/24-B005

DATE RECEIVED : 02/24/87
DATE ANALYZED : 03/02/87

LOCATION : SAME AS B004

APPEARANCE : HOMOGENEOUS, FIBROUS AND FRIABLE.
COLOR : LIGHT GRAY

ASBESTOS CONCENTRATION IS 10.0% - 15.0%

CHRYSOTILE :	10.0% - 15.0%	TREMOLITE :	NONE
AMOSITE :	NONE	ANTHOPHLLITE :	NONE
CROCIDOLITE :	NONE	ACTINOLITE :	NONE

FIBROUS, NON-ASBESTOS MATERIALS		NON-FIBROUS MATERIALS
WOLLASTONITE	5% - 10%	GLASS
ORGANIC FIBER	1% - 5%	SILICATES
		CARBONATES
		OPAQUES

FIBROUS : 6% - 15%

NON-FIBROUS : 70.0% - 75.0%

MICHAEL J. LARSEN C.I.H.
LAB DIRECTOR

Analyzed By : DAH 3-4-87

CHECKED BY : ESK 3-4-87

REFRENCE : 8 8 N

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POLARIZED LIGHT MICROSCOPY ANALYSIS

JOB ID : 001-NEOBDC-04
LAB ID : 001-NEOBDC-04-02/24-B006

DATE RECEIVED : 02/24/87
DATE ANALYZED : 03/02/87

LOCATION : GROUND FLOOR ELEVATOR LOBBY

APPEARANCE : HOMOGENEOUS, FIBROUS AND FRIABLE.
COLOR : LIGHT BUFF

WHITE PAINT ON ONE SURFACE

ASBESTOS CONCENTRATION IS 0%

CHRYSOTILE :	NONE	TREMOLITE :	NONE
AMOSITE :	NONE	ANTHOPHLLITE :	NONE
CROCIDOLITE :	NONE	ACTINOLITE :	NONE

FIBROUS, NON-ASBESTOS MATERIALS		NON-FIBROUS MATERIALS
ORGANIC FIBER	1% - 5%	SILICATES CARBONATES

FIBROUS : 1% - 5% NON-FIBROUS : 95.0% - 99.0%

MICHAEL J. LARSEN C.I.H.
LAB DIRECTOR

Analyzed By :DAH DAH 3-4-87

CHECKED BY : ESK 3-4-87

REFRENCE : 8 9 N

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POLARIZED LIGHT MICROSCOPY ANALYSIS

JOB ID : 001-NEOBDC-04
LAB ID : 001-NEOBDC-04-02/24-B007

DATE RECEIVED : 02/24/87
DATE ANALYZED : 03/02/87

LOCATION : GROUND FLOOR ELEVATOR LOBBY

APPEARANCE : HOMOGENEOUS, FIBROUS AND FRIABLE.
COLOR : LIGHT BUFF

ASBESTOS CONCENTRATION IS 5.0% - 10.0%

CHRYSOTILE : 5.0% - 10.0%
AMOSITE : NONE
CROCIDOLITE : NONE

TREMOLITE : NONE
ANTHOPHLLITE : NONE
ACTINOLITE : NONE

FIBROUS, NON-ASBESTOS MATERIALS	
WOLLASTONITE	5% - 10%
FIBERGLASS	5% - 10%
ORGANIC FIBER	< 1 %

NON-FIBROUS MATERIALS

GLASS
SILICATES
CARBONATES
OPAQUES

FIBROUS : 10% - 20%

NON-FIBROUS : 70.0% - 75.0%

MICHAEL J. LARSEN C.I.H.
LAB DIRECTOR

Analyzed By :DAH DAH 3-4-87

CHECKED BY : EAC 3-4-87

REFRENCE : 8 10 N

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POLARIZED LIGHT MICROSCOPY ANALYSIS

JOB ID : 001-NEOBDC-04
LAB ID : 001-NEOBDC-04-02/24-B008

DATE RECEIVED : 02/24/87
DATE ANALYZED : 03/02/87

LOCATION : GROUND FLOOR JACKSON PLACE LOBBY

APPEARANCE : HOMOGENEOUS, FIBROUS AND FRIABLE.
COLOR : LIGHT BUFF

ASBESTOS CONCENTRATION IS 5.0% - 10.0%

CHRYSOTILE :	5.0% - 10.0%	TREMOLITE :	NONE
AMOSITE :	NONE	ANTHOPHLLITE :	NONE
CROCIDOLITE :	NONE	ACTINOLITE :	NONE

FIBROUS, NON-ASBESTOS MATERIALS		NON-FIBROUS MATERIALS
WOLLASTONITE	5% - 10%	FOAM
ORGANIC FIBER	1% - 5%	SILICATES
		CARBONATES
		OPAQUES

FIBROUS : 6% - 15% NON-FIBROUS : 75.0% - 80.0%

MICHAEL J. LARSEN C.I.H.
LAB DIRECTOR

Analyzed By :DAH 3-4-87

CHECKED BY : ESK 3-4-87

REFRENCE : 8 11 N

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POLARIZED LIGHT MICROSCOPY ANALYSIS

JOB ID : 001-NEOBDC-04
LAB ID : 001-NEOBDC-04-02/24-B009

DATE RECEIVED : 02/24/87
DATE ANALYZED : 03/02/87

LOCATION : 5TH FLOOR ELEVATOR LOBBY

APPEARANCE : HOMOGENEOUS, FIBROUS AND FRIABLE.
COLOR : LIGHT BUFF

ASBESTOS CONCENTRATION IS 10.0% - 15.0%

CHRYSOTILE :	10.0% - 15.0%	TREMOLITE :	NONE
AMOSITE :	NONE	ANTHOPHLLITE :	NONE
CROCIDOLITE :	NONE	ACTINOLITE :	NONE

FIBROUS, NON-ASBESTOS MATERIALS		NON-FIBROUS MATERIALS
WOLLASTONITE	5% - 10%	FOAM
ORGANIC FIBER	1% - 5%	SILICATES
		CARBONATES
		OPAQUES

FIBROUS : 6% - 15% NON-FIBROUS : 70.0% - 75.0%

MICHAEL J. LARSEN C.I.H.
LAB DIRECTOR

Analyzed By :DAH DAH 3-4-87

CHECKED BY : ESK 3-4-87

REFRENCE : 8 12 N

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POLARIZED LIGHT MICROSCOPY ANALYSIS

JOB ID : 001-NEOBDC-04
LAB ID : 001-NEOBDC-04-02/24-B010

DATE RECEIVED : 02/24/87
DATE ANALYZED : 03/02/87

LOCATION : 5TH FLOOR ELEVATOR LOBBY

APPEARANCE : HOMOGENEOUS, FIBROUS AND FRIABLE.
COLOR : LIGHT BUFF

ASBESTOS CONCENTRATION IS 15.0% - 20.0%

CHRYSOTILE :	15.0% - 20.0%	TREMOLITE :	NONE
AMOSITE :	NONE	ANTHOPHLLITE :	NONE
CROCIDOLITE :	NONE	ACTINOLITE :	NONE

FIBROUS, NON-ASBESTOS MATERIALS		NON-FIBROUS MATERIALS
WOLLASTONITE	5% - 10%	FOAM
ORGANIC FIBER	1% - 5%	SILICATES
		CARBONATES
		OPAQUES

FIBROUS : 6% - 15% NON-FIBROUS : 65.0% - 70.0%

MICHAEL J. LARSEN C.I.H.
LAB DIRECTOR

Analyzed By :DAH DAH 3-4-87

CHECKED BY : ESK 3-4-87

REFRENCE : 8 13 N

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POLARIZED LIGHT MICROSCOPY ANALYSIS

JOB ID : 001-NEOBDC-04
LAB ID : 001-NEOBDC-04-02/24-B011

DATE RECEIVED : 02/24/87
DATE ANALYZED : 03/02/87

LOCATION : 5TH FLOOR ELEVATOR LOBBY

APPEARANCE : HOMOGENEOUS, FIBROUS AND FRIABLE.
COLOR : LIGHT BUFF

ASBESTOS CONCENTRATION IS 15.0% - 20.0%

CHRYSOTILE : 15.0% - 20.0%
AMOSITE : NONE
CROCIDOLITE : NONE

TREMOLITE : NONE
ANTHOPHLLITE : NONE
ACTINOLITE : NONE

FIBROUS, NON-ASBESTOS MATERIALS	
WOLLASTONITE	1% - 5%
ORGANIC FIBER	1% - 5%

NON-FIBROUS MATERIALS

GLASS
SILICATES
CARBONATES
OPAQUES

FIBROUS : 2% - 10%

NON-FIBROUS : 70.0% - 75.0%

MICHAEL J. LARSEN C.I.H.
LAB DIRECTOR

Analyzed By :DAH DAH 3-4-87

CHECKED BY : EJK 3-4-87

REFRENCE : 8 14 N

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POLARIZED LIGHT MICROSCOPY ANALYSIS

JOB ID : 001-NEOBDC-04
LAB ID : 001-NEOBDC-04-02/24-B012

DATE RECEIVED : 02/24/87
DATE ANALYZED : 03/02/87

LOCATION : 8TH FLOOR ELEVATOR LOBBY

APPEARANCE : HOMOGENEOUS, FIBROUS AND FRIABLE.
COLOR : LIGHT BUFF

WHITE PAINT CHIP INCLUDED

ASBESTOS CONCENTRATION IS 20.0% - 25.0%

CHRYSOTILE :	20.0% - 25.0%	TREMOLITE :	NONE
AMOSITE :	NONE	ANTHOPHLLITE :	NONE
CROCIDOLITE :	NONE	ACTINOLITE :	NONE

FIBROUS, NON-ASBESTOS MATERIALS		NON-FIBROUS MATERIALS
WOLLASTONITE	1% - 5%	FOAM
ORGANIC FIBER	1% - 5%	SILICATES
		CARBONATES
		OPAQUES

FIBROUS : 2% - 10% NON-FIBROUS : 65.0% - 70.0%

MICHAEL J. LARSEN C.I.H.
LAB DIRECTOR

Analyzed By :DAH 3-4-87

CHECKED BY : ESK 3-4-87

REFRENCE : 8 15 N

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POLARIZED LIGHT MICROSCOPY ANALYSIS

JOB ID : 001-NEOBDC-04
LAB ID : 001-NEOBDC-04-02/24-B013

DATE RECEIVED : 02/24/87
DATE ANALYZED : 03/02/87

LOCATION : SAME AS B012

APPEARANCE : HOMOGENEOUS, FIBROUS AND FRIABLE.
COLOR : LIGHT BUFF

WHITE PAINT CHIP INCLUDED

ASBESTOS CONCENTRATION IS 15.0% - 20.0%

CHRYSOTILE : 15.0% - 20.0%
AMOSITE : NONE
CROCIDOLITE : NONE

TREMOLITE : NONE
ANTHOPHLLITE : NONE
ACTINOLITE : NONE

FIBROUS, NON-ASBESTOS MATERIALS	
WOLLASTONITE	1% - 5%
ORGANIC FIBER	1% - 5%

NON-FIBROUS MATERIALS

FOAM
SILICATES
CARBONATES
OPAQUES

FIBROUS : 2% - 10%

NON-FIBROUS : 70.0% - 75.0%

MICHAEL J. LARSEN C.I.H.
LAB DIRECTOR

Analyzed By :DAH 3-4-87

CHECKED BY : ESK 3-4-87

REFRENCE : 8 16 N

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03/17/87

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on : 03/12/87

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
001-NEOBDC-04-03/12-A001	645.00	2.0	100	< 0.01
LOCATION : rm 10015 above ceiling (no spray on ins. present)				
001-NEOBDC-04-03/12-A002	640.00	2.0	100	< 0.01
LOCATION : 10015 background				
001-NEOBDC-04-03/12-A003	630.00	4.5	100	< 0.01
LOCATION : rm 10211 above ceiling (no spray on ins. present)				
001-NEOBDC-04-03/12-A004	630.00	0.0	100	< 0.01
LOCATION : rm 9113 above ceiling				
001-NEOBDC-04-03/12-A005	615.00	0.0	100	< 0.01
LOCATION : rm 9026 above ceiling				
001-NEOBDC-04-03/12-A006	2050.00	0.0	100	< 0.01
LOCATION : rm 7217 above ceiling (locked in room)				
001-NEOBDC-04-03/12-A007	620.00	0.0	100	< 0.01
LOCATION : rm 7020 above ceiling				

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03/17/87

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on : 03/12/87

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
001-NEOBDC-04-03/12-A008	630.00	0.0	100	< 0.01
LOCATION : rm 8203 above ceiling				
001-NEOBDC-04-03/12-A009	625.00	0.0	100	< 0.01
LOCATION : rm 8104 above ceiling				
001-NEOBDC-04-03/12-A010	600.00	0.0	100	< 0.01
LOCATION : rm 6013 above ceiling				
001-NEOBDC-04-03/12-A011	610.00	0.0	100	< 0.01
LOCATION : rm 6203 above ceiling				
001-NEOBDC-04-03/12-A012	600.00	0.0	100	< 0.01
LOCATION : rm 5113				
001-NEOBDC-04-03/12-A013	605.00	0.0	100	< 0.01
LOCATION : 5th flr Off of Sci & Pol, copy rm, above ceiling				
001-NEOBDC-04-03/12-A014	605.00	0.0	100	< 0.01
LOCATION : rm 4026 above ceiling				

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A I R S A M P L E S A N A L Y S I S

Sample(s) taken on : 03/12/87

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
001-NEOBDC-04-03/12-A015	610.00	0.5	100	< 0.01
LOCATION : rm 4116 above ceiling				
001-NEOBDC-04-03/12-A016	600.00	1.0	100	< 0.01
LOCATION : rm 3020 above ceiling				
001-NEOBDC-04-03/12-A017	615.00	0.0	100	< 0.01
LOCATION : rm 3113 above ceiling				
001-NEOBDC-04-03/12-A018	610.00	1.0	100	< 0.01
LOCATION : rm 2008 sink rm (construction area)				
001-NEOBDC-04-03/12-A019	620.00	1.0	100	< 0.01
LOCATION : rm 2115 above ceiling				
001-NEOBDC-04-03/12-A020	630.00	1.0	100	< 0.01
LOCATION : rm G115 above ceiling				
001-NEOBDC-04-03/12-A021	625.00	0.0	100	< 0.01
LOCATION : rm G102 above ceiling				

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A I R S A M P L E S A N A L Y S I S

Sample(s) taken on : 03/12/87

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
001-NEOBDC-04-03/12-A022	620.00	4.0	100	< 0.01
LOCATION : freight elev lobby outside rm G115 (background)				
001-NEOBDC-04-03/12-BLK1	0.00	1.0	100	BLANK

This analysis was conducted in accordance with the mandatory OSHA Reference Method [Occupational Exposure to Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules; 29 CFR Parts 1910.1001 and 1926.58, Appendices A and B]. The OMC Industrial Hygiene Laboratory ensures quality data by exercising the interlaboratory/intralaboratory quality control programs described in the OSHA Reference Method.

MICHAEL J. LARSEN C.I.H.
LAB DIRECTOR

Analyzed By : CB DAH 3-18-87

CHECKED BY : 3-19-87

REFRENCE :N

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215/277-4520
FAX: 215/277-6099

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1989 JUN 12 AM 8 29
PREVENTION BRANCH (WPSA)

June 2, 1989

Ambient Asbestos Air Sampling
New Executive Office BUilding (NEOB)
OMC Project: 038-NEOBDC-17

Performed For:

General Services Administration
Safety and Environmental Management
ROB Room 2034
7th and D Streets, S.W.
Washington, D.C. 20407

Contract: #GS-11P87MJD-0030 Work Order: #P1189DC-5822

Attn: Mr. Fred Sisson

On May 12 and 15, 1989, OMC conducted ambient asbestos air sampling at the New Executive Office Building located at 725 17th Street, N.W., Washington, D.C. The results of sample analysis and sample locations are summarized in the attached laboratory reports.

Sampling and analysis was conducted in accordance with the Occupational Safety and Health Administration (OSHA) reference method as outlined in Occupational Exposure to Asbestos, Tremolite, Anthophyllite and Actinolite; Final Rules (29 CFR Parts 1910.1001). Samples were collected by drawing air through a membrane filter by means of a calibrated air sampling pump. Samples were analyzed by OMC Laboratories, an American Industrial Hygiene Association (AIHA) accredited laboratory. Sections of filters were mounted on slides and analyzed by phase contrast microscopy. One hundred fields or one hundred fibers were counted and a fiber concentration computed.

Air sampling results show fiber concentrations met the National Institute for Occupational Safety and Health (NIOSH) recommended limit of 0.01 fibers per cubic centimeter (f/cc) of air for non-industrial environments. Exceptions were sample results for 1B Carpentry Shop (0.09 f/cc) and SB 214 Mechanical Room (0.03 f/cc). It is recommended

that these samples be submitted for analysis by scanning electron microscopy (SEM) in order to further identify fibers present on the sample filters.

Should you have any questions concerning this matter, please do not hesitate to contact this office.

Sincerely,

Timothy Sleeth
Industrial Hygienist

Michael A. Cecil, CIH
Manager, Industrial Hygiene Services

TS:bm

(:, Inc. ANALYTICAL LABORA: .Y

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

05/16/89

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 05/12 at NEW EXECUTIVE BUILDING

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-17-05/12-A0001	662.50	2.0	100.0	0.01
LOCATION : SB COMPRESSOR ROOM CENTER COL.				
038-NEOBDC-17-05/12-A0003	665.00	0.0	100.0	0.01
LOCATION : SB 227 GSA STORE				
038-NEOBDC-17-05/12-A0004	652.50	29.0	100.0	0.03
LOCATION : SB 214 MECH ROOM				
038-NEOBDC-17-05/12-A0005	660.00	2.5	100.0	0.01
LOCATION : SB GARAGE ON ER LIGHTS				
038-NEOBDC-17-05/12-A0006	412.50	6.5	100.0	0.01
LOCATION : 1B LEVEL OUTSIDE LOADING DOCK				
038-NEOBDC-17-05/12-A0007	662.50	106.5	100.0	0.09
LOCATION : 1B CARPENTRY SHOP BY FIRST AID				
038-NEOBDC-17-05/12-A0008	657.50	1.0	100.0	0.01
LOCATION : 1B VAULT AREA B112				
038-NEOBDC-17-05/12-A0009	647.50	0.5	100.0	0.01
LOCATION : 1B BY B239 LUNCH ROOM				

( ), Inc. ANALYTICAL LABORA[illegible]Y

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

05/16/89

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 05/12 at NEW EXECUTIVE BUILDING

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-17-05/12-A0010 LOCATION : 1B 233	647.50	2.0	100.0	0.01
038-NEOBDC-17-05/12-A0011 LOCATION : 1B GSA CONTRACT CLEANERS B225	647.50	4.0	100.0	0.01
038-NEOBDC-17-05/12-A0012 LOCATION : G005 PERIODICALS SECTION OF LIBRARY	645.00	2.0	100.0	0.01
038-NEOBDC-17-05/12-A0013 LOCATION : G201 UNIFORMED DIVISION	620.00	1.0	100.0	0.01
038-NEOBDC-17-05/12-A0014 LOCATION : G1 COURIER DELIVERY	642.50	13.5	100.0	0.02
038-NEOBDC-17-05/12-A0015 LOCATION : G OFFICE AREA BEFORE G236	642.50	7.5	100.0	0.01
038-NEOBDC-17-05/12-A0016 LOCATION : G236 SPECIAL PROGRAMS BRANCH/MOVED	635.00	0.0	100.0	0.01
038-NEOBDC-17-05/12-A0017 LOCATION : RM 2008	632.50	3.5	100.0	0.01

C, Inc. ANALYTICAL LABORA' :Y

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05/16/89

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 05/12 at NEW EXECUTIVE BUILDING

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-17-05/12-A0018	635.00	0.0	100.0	0.01
LOCATION : RM 2010 CONFERENCE ROOM				
038-NEOBDC-17-05/12-A0019	635.00	0.0	100.0	0.01
LOCATION : 2ND FLOOR CAFETERIA NORTH END				
038-NEOBDC-17-05/12-A0020	635.00	1.0	100.0	0.01
LOCATION : 2ND FLOOR CAFETERIA SOUTH END				
038-NEOBDC-17-05/12-A0021	617.50	2.0	100.0	0.01
LOCATION : 2ND FLOOR RECORDS AND PUBLICATIONS BRANCH 2ND FL				
038-NEOBDC-17-05/12-A0022	615.00	1.0	100.0	0.01
LOCATION : 3RD FLOOR ROOM 3002				
038-NEOBDC-17-05/12-A0023	612.50	0.0	100.0	0.01
LOCATION : ROOM 3020 COPY CENTER				
038-NEOBDC-17-05/12-A0024	612.50	0.0	100.0	0.01
LOCATION : ROOM 3019 OFFICE AREA				
038-NEOBDC-17-05/12-A0025	617.50	0.5	100.0	0.01
LOCATION : ROOM 3113 COPY ROOM				

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05/16/89

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 05/12 at NEW EXECUTIVE BUILDING

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-17-05/12-A0026	627.50	1.0	100.0	0.01
LOCATION : ROOM 3221 ON FILE CABINET ROOM				
038-NEOBDC-17-05/12-A0027	612.50	1.0	100.0	0.01
LOCATION : ROOM 4102 OFFICE AREA				
038-NEOBDC-17-05/12-A0028	610.00	0.0	100.0	0.01
LOCATION : ROOM 4026 OFFICE CORR. ON COAT RACK				
038-NEOBDC-17-05/12-A0029	602.50	3.0	100.0	0.01
LOCATION : ROOM 4005 OFFICE AREA REC.				
038-NEOBDC-17-05/12-A0030	607.50	1.0	100.0	0.01
LOCATION : 4TH FLOOR COMPUTER CENTER NORTH END				
038-NEOBDC-17-05/12-A0031	602.50	1.0	100.0	0.01
LOCATION : 4TH FLOOR COMPUTER CENTER SOUTH END OFFICE				
038-NEOBDC-17-05/12-A0032	600.00	1.0	100.0	0.01
LOCATION : ROOM 5025 OFFICE SPACE				
038-NEOBDC-17-05/12-A0033	600.00	0.5	100.0	0.01
LOCATION : ROOM 5005 OFFICE SPACE				

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05/16/89

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 05/12 at NEW EXECUTIVE BUILDING

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-17-05/12-A0034 LOCATION : ROOM 5113 SNACK BAR	600.00	3.0	100.0	0.01
038-NEOBDC-17-05/12-A0035 LOCATION : ROOM 5227A COMPUTER TRAINING ROOM	600.00	1.0	100.0	0.01
038-NEOBDC-17-05/12-A0036 LOCATION : 5208 DATA CENTER	605.00	1.0	100.0	0.01

This analysis was conducted in accordance with the mandatory OSHA Reference Method [Occupational Exposure To Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules; 29 CFR Parts 1910.1001 and 1926.58, Appendices A and B]. The OMC Industrial Hygiene Laboratory ensures quality data exercising the interlaboratory/intralaboratory quality control programs described in the OSHA Reference Method.

Reference : 083 033561 RECEIVED: 05/12/89 ANALYZED: 05/16/89

Michael A. Cecil, CIH
LAB DIRECTOR

Analyzed By : CB Chris Bey

Reviewed By : Valerie Gray 5/17/89

ACCREDITED BY AIHA ACCREDITATION No. 321

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05/22/89

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 05/15 at NEW EXECUTIVE BUILDING

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-17-05/15-A0001 LOCATION : PENTHOUSE AHU ROOM AHU #2	677.50	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0002 LOCATION : PENTHOUSE WEST AHU #4	677.50	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0003 LOCATION : 10 FL ROOM 10026	675.00	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0004 LOCATION : 10 FL ROOM 10007	667.50	4.0	100.0	0.01
038-NEOBDC-17-05/15-A0005 LOCATION : 10 FL ROOM 10211 COPY CENTER	670.00	0.5	100.0	0.01
038-NEOBDC-17-05/15-A0006 LOCATION : 10 FL ROOM 10225	660.00	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0007 LOCATION : 10 FL ROOM 10201 (SMOKER IN AREA)	665.00	1.5	100.0	0.01
038-NEOBDC-17-05/15-A0008 LOCATION : 9 FL ROOM 9025	655.00	2.5	100.0	0.01

C ', Inc. ANALYTICAL LABORAT Y

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05/22/89 PAGE 002

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 05/15 at NEW EXECUTIVE BUILDING

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-17-05/15-A0009 LOCATION : 9 FL ROOM 9002	662.50	2.5	100.0	0.01
038-NEOBDC-17-05/15-A0010 LOCATION : 9 FLR ROOM 9236	657.50	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0011 LOCATION : 9 FL ROOM 9202	662.50	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0012 LOCATION : 8 FL ROOM 8025	650.00	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0013 LOCATION : 8 FL ROOM 8012	650.00	2.5	100.0	0.01
038-NEOBDC-17-05/15-A0014 LOCATION : 8 FL ROOM 8104	647.50	5.0	100.0	0.01
038-NEOBDC-17-05/15-A0015 LOCATION : 8 FLR ROOM 8234	647.50	1.0	100.0	0.01
038-NEOBDC-17-05/15-A0016 LOCATION : 8 FL ROOM 8201	650.00	0.5	100.0	0.01

(`, Inc. ANALYTICAL LABORAT Y

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

05/22/89

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 05/15 at NEW EXECUTIVE BUILDING

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-17-05/15-A0017 LOCATION : 7 FL ROOM 7019	652.50	1.0	100.0	0.01
038-NEOBDC-17-05/15-A0018 LOCATION : 7 FL ROOM 7002	650.00	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0019 LOCATION : 7 FL ROOM CORRIDOR BY 7215	650.00	1.0	100.0	0.01
038-NEOBDC-17-05/15-A0020 LOCATION : 7 FL ROOM 7236 PUMP FAULTED AT 195	487.50	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0021 LOCATION : 7 FL ROOM 7201 SINGLE UNIT AIR CLEANER IN AREA SMOKERS IN AREA	637.50	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0022 LOCATION : 6 FL ROOM 6026	612.50	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0023 LOCATION : 6 FL ROOM 6013	635.00	0.0	100.0	0.01
038-NEOBDC-17-05/15-A0024 LOCATION : 6 FL ROOM 6101 HEALTH UNIT	630.00	0.5	100.0	0.01

(C, Inc. ANALYTICAL LABORAT Y

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

05/22/89 PAGE 004

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on 05/15 at NEW EXECUTIVE BUILDING

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
038-NEOBDC-17-05/15-A0025 LOCATION : 6 FL CORR BY ROOM 6113	632.50	1.0	100.0	0.01
038-NEOBDC-17-05/15-A0026 LOCATION : 6 FL ROOM 6226	632.50	0.5	100.0	0.01

This analysis was conducted in accordance with the mandatory OSHA Reference Method [Occupational Exposure To Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules; 29 CFR Parts 1910.1001 and 1926.58, Appendices A and B]. The OMC Industrial Hygiene Laboratory ensures quality data exercising the interlaboratory/intralaboratory quality control programs described in the OSHA Reference Method.

Reference : 084 033604 RECEIVED: 05/15/89 ANALYZED: 05/16/89

Michael A. Cecil, CIH
LAB DIRECTOR

Analyzed By : CB

Reviewed By : 5/25/89

ACCREDITED BY AIHA ACCREDITATION No. 321

RECEIVED
7/20/87
73535

ENVIRONMENTAL • MEDICAL • ANALYTICAL

490 L'Enfant Plaza East, S.W.
Suite 4300
Washington, D.C. 20024
202/488-7990

200 Hospital Drive
Suite 202
Glen Burnie, MD 21061
301/760-7560

2055 Chemical Road
Plymouth Meeting, PA 19462
215/825-7130

July 16, 1987

Air Sampling
White House-East and West Wings

PERFORMED FOR:

General Services Administration
Safety and Environmental Management
ROB Room 2034
7th and D Streets, S.W.
Washington, D.C. 20407

Contract GS-11C-40323 Work Request # 87-100-135

Attn: Roy Thomas

At the request of GSA's Safety and Environmental Management Division, OMC conducted ambient air sampling at the East and West Wings of the White House, 1600 Pennsylvania Avenue, N.W., Washington, D.C. The survey strategy of 48 samples to represent the entire building was established by GSA personnel. Samples were collected in the East wing on June 20, 1987, and in the West Wing on July 11, 1987.

Air sampling and analysis were conducted in accordance with the Occupational Safety and Health Administration's (OSHA) Reference Method as outlined in Occupational Exposure to Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules (29 CFR Parts 1910.1001). Samples were collected by drawing air through a membrane filter by means of a battery powered calibrated sampling pump. Samples were submitted to the OMC Laboratory for analysis. Sections of sample filters were mounted on slides and analyzed by phase contrast microscopy. One hundred fields or 100 fibers were counted and a fiber concentration computed for each sample. Sample results and locations are summarized in the attached laboratory analysis sheets.

The National Institute for Occupational Safety and Health (NIOSH) recommended standard for airborne asbestos fibers in office environments is 0.01 fibers per cubic centimeter (f/cc) of air. All airborne fiber concentrations detected were below this standard.

Should you have any questions concerning this matter, please do not hesitate to contact this office.

Sincerely,

MHC

Barry J. Hemler
Industrial Hygienist

Michael A. Cecil

Michael A. Cecil, C.I.H.
Manager, Industrial Hygiene Services

C M C ANALYTICAL LABORATORY

490 L'ENFANT PLAZA
SUITE 4300
WASHINGTON, DC 20024
TEL. (202) 488-7990

CLIENT : BEN PAYNE
WHITE HOUSE (EAST WING)
1600 PENNSYLVANIA AVE., N.W.
,
( ) 395-3675

07/16/87

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on : 07/11/87

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
001-WHITEH-03-07/11-A001	800.00	1.5	100	< 0.01
LOCATION : SITUATION ROOM				
001-WHITEH-03-07/11-A002	820.00	0.0	100	< 0.01
LOCATION : NAVY MESS 1I				
001-WHITEH-03-07/11-A003	600.00	1.0	100	< 0.01
LOCATION : OUTSIDE HALL TO NAVY MESS				
001-WHITEH-03-07/11-A004	777.50	2.0	100	< 0.01
LOCATION : PHOTOGRAPHIC ROOM (REAR)				
001-WHITEH-03-07/11-A005	607.50	1.5	100	< 0.01
LOCATION : PHOTOGRAPHIC ROOM (L) REAR				
001-WHITEH-03-07/11-A006	805.00	0.0	100	< 0.01
LOCATION : WARD OFFICE				
001-WHITEH-03-07/11-A007	755.00	1.0	100	< 0.01
LOCATION : XEROX ROOM				

--MORE--

O M C ANALYTICAL LABORATORY

490 L'ENFANT PLAZA
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TEL. (202) 488-7990

CLIENT : BEN PAYNE
WHITE HOUSE (EAST WING)
1600 PENNSYLVANIA AVE., N.W.
,
( ) 395-3675

07/16/87

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on : 07/11/87

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
001-WHITEH-03-07/11-A008	752.50	1.5	100	< 0.01
LOCATION : WEST WING MECH. ROOM				
001-WHITEH-03-07/11-A009	752.50	0.0	100	< 0.01
LOCATION : TELEPHONE WT7 ROOM				
001-WHITEH-03-07/11-A010	680.00	0.0	100	< 0.01
LOCATION : CATHY OSBORN'S OFFICE				
001-WHITEH-03-07/11-A011	645.00	0.0	100	< 0.01
LOCATION : CABINET OFFICE				
001-WHITEH-03-07/11-A012	647.50	4.5	100	< 0.01
LOCATION : ROOSEVELT ROOM				
001-WHITEH-03-07/11-A013	657.50	1.0	100	< 0.01
LOCATION : PRES. OFFICE				
001-WHITEH-03-07/11-A014	655.00	0.0	100	< 0.01
LOCATION : PRES. STUDY				

--MORE--

D M C ANALYTICAL ABORATORY

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TEL. (202) 488-7990

CLIENT : BEN PAYNE
WHITE HOUSE (EAST WING)
1600 PENNSYLVANIA AVE., N.W.
,
( ) 395-3675

07/16/87

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on : 07/11/87

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
001-WHITEH-03-07/11-A015	617.50	0.0	100	< 0.01
LOCATION : VICE PRES. OFFICE				
001-WHITEH-03-07/11-A016	617.50	0.0	100	< 0.01
LOCATION : CHIEF OF STAFF OFFICE				
001-WHITEH-03-07/11-A017	632.50	0.0	100	< 0.01
LOCATION : RECEPT. TO NSC				
001-WHITEH-03-07/11-A018	615.00	2.0	100	< 0.01
LOCATION : PRESS ROOM				
001-WHITEH-03-07/11-A019	615.00	0.0	100	< 0.01
LOCATION : JOAN LEE SWEETLAND'S OFFICE				
001-WHITEH-03-07/11-A020	610.00	1.0	100	< 0.01
LOCATION : OUTSIDE JOAN LEE SWEETLAND'S OFFICE				
001-WHITEH-03-07/11-A021	612.50	0.0	100	< 0.01
LOCATION : OPP. HALL FROM #A20				

--MORE--

O M C ANALYTICAL LABORATORY

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WHITE HOUSE (EAST WING)
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07/16/87

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on : 07/11/87

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
001-WHITEH-03-07/11-A022	610.00	0.5	100	< 0.01
LOCATION : BACK ROOM TO A21				
001-WHITEH-03-07/11-A023	607.50	1.0	100	< 0.01
LOCATION : COUNCIL OF THE PRES.				
001-WHITEH-03-07/11-A024	607.50	0.0	100	< 0.01
LOCATION : BACK OFFICE TO A23				
001-WHITEH-03-07/11-A025	607.50	0.0	100	< 0.01
LOCATION : CRIBB'S OFFICE				
001-WHITEH-03-07/11-A026	132.50	0.0	100	< 0.01
LOCATION : HON. GARY BAUER				

This analysis was conducted in accordance with the mandatory OSHA Reference Method [Occupational Exposure to Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules; 29 CFR Parts 1910.1001 and 1926.58, Appendices A and B]. The OMC Industrial Hygiene Laboratory ensures quality data by exercising the interlaboratory/intralaboratory quality control programs described in the OSHA Reference Method.

MICHAEL J. LARSEN C.I.H.
LAB DIRECTOR

Analyzed By :DAH 7-15-87

CHECKED BY : 7-16-87

REFRENCE :N

O M C LABORATORY IS ACCREDITED BY THE A.I.H.A.

D M C ANALYTICAL LABORATORY

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TEL. (202) 488-7990

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,
( ) 395-3675

06/28/87

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on : 06/20/87

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
001-WHITEH-03-06/20-A001	725.00	3.0	100	< 0.01
LOCATION : BASEMENT SEC. SVCE. SQUAD RM ON SNACK MACHINE				
001-WHITEH-03-06/20-A002	725.00	4.0	100	< 0.01
LOCATION : ABOVE CEILING, SAME AS A1				
001-WHITEH-03-06/20-A003	725.00	7.0	100	< 0.01
LOCATION : MEN'S LOCKER RM (BASEMENT) ON LOCKER				
001-WHITEH-03-06/20-A004	725.00	10.0	100	< 0.01
LOCATION : ABOVE CEILING, SAME LOCATION AS A3				
001-WHITEH-03-06/20-A005	720.00	3.0	100	< 0.01
LOCATION : WOMEN'S LOCKER RM BELOW CEILING ON LOCKER				
001-WHITEH-03-06/20-A006	720.00	2.0	100	< 0.01
LOCATION : SAME LOCATION AS A5, ABOVE CEILING				
001-WHITEH-03-06/20-A007	695.00	1.0	100	< 0.01
LOCATION : IN MAIN CORR ON CANDY MACHINE (BASEMENT)				

--MORE--

D M C ANALYTICAL LABORATORY

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( ) 395-3675

06/28/87

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on : 06/20/87

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
001-WHITEH-03-06/20-A008	695.00	0.5	100	< 0.01
LOCATION : IN MECH RM. INTAKE FOR A11-10 AHU (BASEMENT)				
001-WHITEH-03-06/20-A009	700.00	3.0	100	< 0.01
LOCATION : IN CONDENSER RM ON PANEL BOX PNLB (BASEMENT)				
001-WHITEH-03-06/20-A012	675.00	1.0	100	< 0.01
LOCATION : IN CORR OUTSIDE RM 100 COAT RACK				
001-WHITEH-03-06/20-A013	675.00	0.0	100	< 0.01
LOCATION : IN VEST. NEAR GUARD DESK (1ST FL)				
001-WHITEH-03-06/20-A014	670.00	0.0	100	< 0.01
LOCATION : IN RM (SW CORNER) RECEPT. ABOVE CEILING				
001-WHITEH-03-06/20-A015	670.00	0.0	100	< 0.01
LOCATION : BELOW CEILING				
001-WHITEH-03-06/20-A016	675.00	0.0	100	< 0.01
LOCATION : IN RM (SE CORNER) RECEPT BELOW CEILING ON FILE CABINET				

--MORE--

D M C ANALYTICAL LABORATORY

490 L'ENFANT PLAZA
SUITE 4300
WASHINGTON, DC 20024
TEL. (202) 488-7990

CLIENT : BEN PAYNE
WHITE HOUSE (EAST WING)
1600 PENNSYLVANIA AVE., N.W.
,
( ) 395-3675

06/28/87

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on : 06/20/87

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
001-WHITEH-03-06/20-A017	650.00	0.0	100	< 0.01
LOCATION : SECOND FLOOR LOBBY AT STAIRWELL				
001-WHITEH-03-06/20-A018	645.00	3.5	100	< 0.01
LOCATION : SECOND FLOOR CORRIDOR ON H2O FOUNTAIN				
001-WHITEH-03-06/20-A019	645.00	0.0	100	< 0.01
LOCATION : PRINTING OFFICE (NE CORNER) RECEPT AREA ON CABINET				
001-WHITEH-03-06/20-A020	645.00	3.0	100	< 0.01
LOCATION : SAME AS A19, NE CORNER ON SHELF				
001-WHITEH-03-06/20-A021	635.00	1.0	100	< 0.01
LOCATION : RM ACROSS H2O FOUNTAIN BACK OFFICE ON TV				
001-WHITEH-03-06/20-A022	635.00	1.5	100	< 0.01
LOCATION : BACK OFICE SE CORNER OF BLDG ON BK SHELF				
001-WHITEH-03-06/20-A023	630.00	0.0	100	< 0.01
LOCATION : SM RECEPTION AREA ON BOOKSHELF (WEST SIDE)				

--MORE--

O M C ANALYTICAL LABORATORY

490 L'ENFANT PLAZA
SUITE 4300
WASHINGTON, DC 20024
TEL. (202) 488-7990

CLIENT : BEN PAYNE
WHITE HOUSE (EAST WING)
1600 PENNSYLVANIA AVE., N.W.
,
( ) 395-3675

06/28/87

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on : 06/20/87

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
001-WHITEH-03-06/20-A024	630.00	1.5	100	< 0.01

LOCATION : WEST SIDE MRS REAGAN DRUG CAMPAIGN LOUNGE ON BOOKSHELF

This analysis was conducted in accordance with the mandatory OSHA Reference Method [Occupational Exposure to Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules; 29 CFR Parts 1910.1001 and 1926.58, Appendices A and B]. The OMC Industrial Hygiene Laboratory ensures quality data by exercising the interlaboratory/intralaboratory quality control programs described in the OSHA Reference Method.

MICHAEL J. LARSEN C.I.H.
LAB DIRECTOR

Analyzed By : VG 7-16-8

CHECKED BY : 7/16/87

REFRENCE :N

O M C LABORATORY IS ACCREDITED BY THE A.I.H.A.

RECEIVED 6/5/87

73508

20-21

ENVIRONMENTAL • MEDICAL • ANALYTICAL

490 L'Enfant Plaza East, S.W.
Suite 4300
Washington, D.C. 20024
202/488-7990

200 Hospital Drive
Suite 202
Glen Burnie, MD 21061
301/760-7560

2055 Chemical Road
Plymouth Meeting, PA 19462
215/825-7130

June 1, 1987

New Executive Office Building
Air Sampling-Room 4202 **DC0105ZZ**

PERFORMED FOR:

General Services Administration
Safety and Environmental Management
ROB Room 2034
7th and D Streets, S.W.
Washington, D.C. 20407

Contract #GS-11C-40323 Work Request #87-083-105

Attn: Marybeth Stewart

At the request of GSA's Safety and Environmental Management Division, OMC conducted ambient air sampling in the 4th floor computer room of the New Executive Office Building, 726 Jackson Place, N.W., Washington, D.C. Nine air samples were collected on May 18, 1987 between 4:00 pm and 2:00 am as requested.

Sampling and analysis was conducted in accordance to the Occupational Safety and Health Administration's (OSHA) reference method as outlined in Occupational Exposure to Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules (29 CFR Parts 1910.1001). Samples were collected by drawing air through a membrane filter by means of a calibrated air sampling pump. Samples were analyzed by OMC Laboratories an American Industrial Hygiene Association (AIHA) accredited laboratory. Sections of filters were mounted on slides and analyzed by phase contrast microscopy. One hundred fields or 100 fibers were counted and a fiber concentration computed. All results are attached hereto.

The National Institute for Occupational Safety and Health (NIOSH) recommends that indoor airborne asbestos levels remain below 0.01 fibers per cubic centimeter (f/cc) of air. All air samples were below this level.

Should you have any questions concerning this matter, please do not hesitate to contact this office.

Sincerely,

PAW

Patricia A. White
Industrial Hygienist

Michael A. Cecil

Michael A. Cecil, C.I.H.
Manager, Industrial Hygiene Services

D M C ANALYTICAL LABORATORY

490 L'ENFANT PLAZA
SUITE 4300
WASHINGTON, DC 20024
TEL. (202) 488-7990

CLIENT : GUY BOSTON
MANAGEMENT DIVISION
GSA, SAFETY & ENVIRONMENTAL
,

06/03/87

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on : 05/18/87

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
001-NEOBDC-05-05/18-A001	1500.00	0.5	100	< 0.01
LOCATION : COMPUTER ROOM - TAPE ROOM				
001-NEOBDC-05-05/18-A002	1500.00	0.0	100	< 0.01
LOCATION : COMPUTER ROOM - SEE DIAGRAM				
001-NEOBDC-05-05/18-A003	1500.00	0.0	100	< 0.01
LOCATION : COMPUTER ROOM - SEE DIAGRAM				
001-NEOBDC-05-05/18-A004	1412.50	0.0	100	< 0.01
LOCATION : COMPUTER ROOM - SEE DIAGRAM				
001-NEOBDC-05-05/18-A005	1490.00	0.0	100	< 0.01
LOCATION : COMPUTER ROOM - SEE DIAGRAM				
001-NEOBDC-05-05/18-A006	1242.50	0.0	100	< 0.01
LOCATION : COMPUTER ROOM - SEE DIAGRAM				
001-NEOBDC-05-05/18-A007	1500.00	0.0	100	< 0.01
LOCATION : COMPUTER ROOM - SEE DIAGRAM				

--MORE--

O M C ANALYTICAL LABORATORY

490 L'ENFANT PLAZA
SUITE 4300
WASHINGTON, DC 20024
TEL. (202) 488-7990

CLIENT : GUY BOSTON
MANAGEMENT DIVISION
GSA, SAFETY & ENVIRONMENTAL
,

06/03/87

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on : 05/18/87

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
001-NEOBDC-05-05/18-A008	1500.00	0.0	100	< 0.01
LOCATION : COMPUTER ROOM - SEE DIAGRAM				
001-NEOBDC-05-05/18-A009	1390.00	1.0	100	< 0.01
LOCATION : COMPUTER ROOM - SEE DIAGRAM				

This analysis was conducted in accordance with the mandatory OSHA Reference Method [Occupational Exposure to Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules; 29 CFR Parts 1910.1001 and 1926.58, Appendices A and B]. The OMC Industrial Hygiene Laboratory ensures quality data by exercising the interlaboratory/intralaboratory quality control programs described in the OSHA Reference Method.

6-4-87

MICHAEL J. LARSEN C.I.H.
LAB DIRECTOR

Analyzed By :GS JE DAH MJH PLG BH PAW

CHECKED BY : CB 6-4-87

REFRENCE :N

O M C LABORATORY IS ACCREDITED BY THE A.I.H.A.

DC010522

OCCUPATIONAL
MEDICAL CENTER, INC.

490 L'Enfant Plaza East, S.W., Suite 4300, P.O. Box 23580, Washington, D.C. 20026 (202) 488-7990

January 13, 1986

Random Air Samples
New Executive Office Building **Building No. DC-0105ZZ**

2021

PERFORMED FOR:

General Services Administration
Accident and Fire Prevention Branch - WPSA
ROB Room 2034
7th and D Streets, S.W.
Washington, DC 20407

Contract #GS-11C - 40323 Work Request #52775

ATTN: Jesse Walter

On September 23 and October 23, 1985, the Occupational Medical Center collected random air samples within the New Executive Office Building, 726 Jackson Place N.W., Washington, DC. Structural members above the ceilings have been reported by GSA Personnel to be insulated with sprayed-on asbestos fireproofing. Therefore air monitoring was scheduled at six month intervals throughout the building to ensure that airborne asbestos fiber levels remain within acceptable limits. Two samples were collected at opposite ends of the building on floors three through ten. Samples were not collected on the first and second floors.

Sampling and analysis were conducted in accordance with the National Institute for Occupational Safety and Health (NIOSH) Manual of Analytical Methods, method P and CAM 239. Samples were collected by drawing air through a membrane filter by means of a battery powered calibrated sampling pump. All samples were submitted to EAL Laboratories which are accredited by the American Industrial Hygiene Association. One hundred fields or 100 fibers were counted for each sample and a fiber concentration computed.

The NIOSH recommended standard for asbestos is 0.01 fibers per cubic centimeter (f/cc) of air for office environments. Fiber concentrations detected during this sampling program were well below this standard. Please be reminded that asbestos containing materials above the ceilings should not be disturbed unless GSA asbestos abatement guidelines are followed. Scheduled air monitoring should be continued to assure fiber concentrations remain below the NIOSH limit.

If there are any further questions concerning data presented in this report please do not hesitate to contact this office.

Sincerely,

Michael Cecil
Supervisory Industrial Hygienist

Michael A. Larsen, C.I.H.
Director, Industrial Hygiene Services

cc: Christopher Weis

CW/cd

New Executive Office Building
Random Samples
Floors 3-10
September 23, 1985

Sample No.	Location	Volume of Air Sampled (liters)	Results
NEOB923A1	Room 3113	1500	<0.001
NEOB923A2	Outside room 3001 extinguisher closet	1500	0.001
NEOB923A3	Outside room 4201 extinguisher closet	1500	0.001
NEOB923A4	Outside room 4201 extinguisher closet	916	<0.001
NEOB923A5	Outside room 5001 extinguisher closet	1560	0.007
NEOB923A6	Outside room 5202 extinguisher closet	1470	0.004
NEOB923A7	Outside room 6235 extinguisher closet	1500	<0.001
NEOB923A8	Outside room 6002 extinguisher closet	Pump Faulted	
NEOB928A9	Outside room 7026 extinguisher closet	1728	0.001
NEOB923A10	Outside room 7202 extinguisher closet	1656	<0.001
NEOB923A11	Outside room 8026 extinguisher closet	1500	<0.001
NEOB923A12	Outside room 8236 extinguisher closet	1410	0.001
NEOB1023A1	Outside room 9026 extinguisher closet	1500	<0.001
NEOB1023A2	Outside room 9202 extinguisher closet	1500	<0.001
NEOB1023A3	Outside room 10026 extinguisher closet	1500	<0.001
NEOB1023A4	Outside room 10202 extinguisher closet	1050	<0.001

DC010522
.0-00

[redacted] 31 1980

facility

Chief, Accident and Fire Prevention Branch (WPOA)

New Executive Office Building (NEOB)
Dust Sample

Buildings Manager, White House Field Office (WPFX)
Thru: Manager, White House Area (WPFX)

This is to confirm previous telephone conversations regarding the sample of dust taken from the New Executive Office Building elevator shaft. The sample, serial number 80-16, consisted of 90 percent cellulose fiber. No asbestos was detected in the sample.

If you have any questions regarding this sample please contact Jesse Walter on 472-1618.

/s/ [redacted]

JAMES A. HAWKINS
Chief
Accident and Fire Prevention Branch

cc:Official file
Reading file
~~Facility~~ - NEOB Facility File
Subject file
WPOA:JWALTER:bc:3/27/80:21618
JWalter

General Service Administration | National Capital Region | Washington, DC 20407

Date : February 25, 1980

Reply to Attn of : Buildings Manager
White House Area (WPFX)

Subject: Safety Items - NEOB and OEOB

To : Manager, White House Area (WPFX)
Chief, Accident and Fire Prevention Branch (WPOA)
Attn: Mr. Gillson

2/26

Pete Gillson

Reference is made to our telephone conversation of February 22, 1980, concerning three (3) safety items Office of Management and Budget is inquiring about at the subject buildings.

The items are as follows:

1. Asbestos sample from OEOB is enclosed. It is requested that a lab analysis be performed and a copy of the report submitted to WPFX.

2. Martin Marietta Report 79-122, dated October 1979, regarding Asbestos Contaminant Study at NEOB and OEOB. I would like to have a copy of the NIOSH Review and/or date report is scheduled to be completed.

3. NEOB has a history of fumes entering the building during winter months. What is the feasibility of installing remote sensors to monitor the problem?

A reply to this memorandum is requested by March 20, 1980. If I can be of further assistance, contact me on 395-3675.

CB Respass

CHARLES B. RESPASS
Buildings Manager
White House Area (WPFX)

Enclosures

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF MANAGEMENT AND BUDGET
WASHINGTON D.C. 20503

February 20, 1980

MEMORANDUM

TO: Buddy Respass

FROM: Linda Smith Linda S.

SUBJECT: Administrative Services in EOP Complex

I appreciated the opportunity to meet with you last week and welcome you to the EOP complex. I look forward to working together on improving services to the Office of Management and Budget.

As I mentioned briefly at our meeting, there are a series of administrative details that I believe need attention. They include:

Asbestos - Earlier this year, OMB requested that GSA ask the National Institute for Occupational Safety and Health to review the results of the Airborne Contaminant Study done by Martin Marietta Corp. in Oct, 1979. (copy attached). It would be helpful to have an update on the NIOSH review, including when it is likely to be completed.

Cleaning - Cleaning services in both the new and old EOB's are lax. Dusting must be by request, even in the Director's office and vacumming is very hap-hazard. I was pleased to hear you share this concern. Improved services could start with a thorough cleaning (including the windows) of the Director's Conference Room, 248 OEOB. Regarding the revised vacuuming schedule in NEOB, I have heard nothing but compliments from the NEOB staff who no longer have to cope with vacuum cleaners in the middle of their meetings. Thanks!

Clocks - Clocks in the NEOB -- Fourth floor for example, has been broken for months. Can't we get them repaired? Further, none of the clocks have the same time. Is there any way to synchronize them?

Fumes - Attached are background materials on the NEOB fumes problem. This has been a health issue with the staff in that building for 5 years. I understand that you and Dick Jones have discussed the feasibility of obtaining remote sensors to facilitate monitoring the fume problem. We need to agree on a course of action and a timetable for rectifying the situation. I would hope we could agree on our next steps by early March.

Bathrooms - The bathrooms in the New and Old Buildings are insufficiently stocked with toilet paper. Further there are no sanitary aids provided in the ladies' rooms of either building. These are basic necessities! In addition, we would suggest that the schedule for cleaning the bathrooms in the NEOB should be revised as follows:

	Ladies	Men
Odd Floors	11:00 - 11:30	1:30 - 2:00
Even Floors	1:30 - 2:00	11:00 - 11:30

Heating and Cooling - You heard plenty about this during our meeting. I can appreciate the constraints that you have to work within, however, this is the largest single problem I receive complaints on. We need to explore methods whereby we can keep most of the people happy most of the time.

Security - I share the concern, raised by others at our meeting, about the poor performance of the NEOB Guard Service. We want to reexamine the current guard staffing arrangements and initiate changes that will better suit our needs. OMB would be glad to participate in a review of a new contract for security services.

Elevators - I am glad to see that work has commenced on putting Elevator No. 3 in the Old EOB back into operation. This will make a real difference to several 4th floor employees who have difficulty climbing stairs.

I know we all share a desire to make the EOP a model of administrative efficiency. Please feel free to contact me or Dick Jones of my staff whenever we can assist you with this goal.

Attachments

General Services Administration - Region 3
Washington, DC 20407

DEC 28 1978

Mr. David R. Leuthold
Budget and Management Officer
Office of Management and Budget
Washington, DC 20503

Dear Mr. Leuthold:

This is in response to your letter of November 8, 1978, addressed to Mr. R. Costanzo, Acting Manager, White House Area, concerning the fume problem in the New Executive Office Building.

As we indicated in our earlier correspondence, we have conducted extensive tests to determine whether a health hazard exists. The results of the testing indicate the hydro-carbons are below hazardous levels.

We realize the estimated construction cost for the proposed air filtration system to remove the polutant is high. However, you may be assured that during the conceptual and design stages for the proposed system, we will explore all alternate solutions, in order to provide the most cost effective system to control this problem.

Because this does not appear to be a health problem, we do not see the funding as a General Services Administration responsibility. As such, I suggest that you prepare a Reimbursable Work Authorization (Form 2957) for modifying the two air handlers serving the west perimeter.

Sincerely,

John T. Myers

JOHN T. MYERS
Regional Commissioner
Public Buildings Service

Peterson

FYI

January 29, 1979

Memo to Mr. David Leuthold:

Subject: Fume problem in New Executive Office Building.

I have today spoken with Jim Frey about the attached letter you got from Mr. John T. Myers, Regional Commissioner, Public Buildings Service.

I explained to him that our 1979 budget did not carry funds for such an expenditure and that it would be unwise for us to obligate such an amount until we are more certain of where we stand financially. Mr. Frey agreed that we should not now ask GSA to make the necessary modifications for $76,000. However, he does think the expenditure is well worth it when OMB's budget can provide the money.

Therefore, will you keep this in mind, and in August and September, 1979, figure whether we can obligate the amount this year. If not, we should plan to use that amount early in 1980.

Velma N Baldwin

cc: Mr. Frey ✓
Mr. Peterson

2/21/80

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF MANAGEMENT AND BUDGET

Note: To Buddy Respasse
From: Linda Smith
Subject: Asbestos in OEOB

I appreciated your note & follow-up actions re the asbestos material I gave you. Would it be possible for me to get a copy of the laboratory report that documents the content of the material I gave you; I understand that a lab sample analysis is done which identifies the types + quantities of ~~materials~~ particles in the material. If necessary we would be willing to pay the costs of duplicating the lab report.

Thanks
Linda L Smith
x7790

OFFICE OF MANAGEMEN ND BUDGET

ROUTE SLIP

TO Joyce Smendra

- Take necessary action ☐
- Approval or signature ☐
- Comment ☐
- Prepare reply ☐
- Discuss with me ☐
- For your information ☐
- See remarks below ☐

FROM Linda L Smith DATE 1/17/80

REMARKS

I appreciate your assistance on the Asbestos issue in the NEOB. I suspect you will get a heavy response to your seminars. I myself intend to attend.

Could I also ask you to have the lab analyze the attached sample of material to determine if it contains any asbestos particles? Thanks

OMB FORM 4
REV AUG 70

Emil Kish

472-2390

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF MANAGEMENT AND BUDGET
ROUTE SLIP

TO Dennis Johnson
395-4790
cafeteria & dish room
room 23 recent service
a couple room on 4th floor
approx 405 & 408

Take necessary action	☐
Approval or signature	☐
Comment	☐
Prepare reply	☐
Discuss with me	☐
For your information	☐
See remarks below	☐

FROM Linda L Smith DATE 2/1/80

REMARKS

The material came from the Old EOB, Ground Floor office. It was brought to me by one of the cleaning staff who is concerned about working conditions in this building. The staff person doesn't want to get into trouble with their supervisor, so I'd prefer not to discuss names. I trust this information is sufficient to ~~do~~ perform an analysis of the material

OMB FORM 4
REV AUG 70

GENERAL SERVICES ADMINISTRATION

ROUTING SLIP

TO	CO	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10

	NAME/TITLE	CORRESPONDENCE SYMBOL
1.	Linda Smith	OMB
2.		OEOB 243
3.		
4.		
5.		

- [ ] ALLOTMENT SYMBOL
- [ ] APPROVAL
- [ ] AS REQUESTED
- [ ] CONCURRENCE
- [ ] CORRECTION
- [ ] FILING
- [ ] FULL REPORT
- [ ] ANSWER OR ACKNOWLEDGE ON OR BEFORE _____
- [ ] PREPARE REPLY FOR THE SIGNATURE OF _____
- [ ] HANDLE DIRECT
- [ ] IMMEDIATE ACTION
- [ ] INITIALS
- [ ] NECESSARY ACTION
- [ ] NOTE AND RETURN
- [ ] PER OUR CONVERSATION
- [ ] PER TELEPHONE CONVERSATION
- [ ] READ AND DESTROY
- [ ] RECOMMENDATION
- [ ] SEE ME
- [ ] SIGNATURE
- [ ] YOUR COMMENT
- [x] YOUR INFORMATION
- [ ]

REMARKS

If this material came out of the NEOB, it is most likely asbestos. However, we will need to know from where it was taken. Analysis has already been made of the entire Bldg.

FROM	CO	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10

NAME/TITLE	CORR. SYMBOL	BUILDING, ROOM, ETC.
D. Johnson	GSA	OEOB 44
	TELEPHONE 3675	DATE 1/31/80

☆U.S.GPO:1978-0-261-359/6

GSA FORM JUN 67 14

General Services Administration
National Capital Region
Washington, DC 20407

DC001ZZ

AUG 2

MEMORANDUM FOR WILLIAM COBBS
BUILDINGS MANAGER, WHITE HOUSE FIELD OFFICE (WPFX)

FROM: GUY D. BOSTON
DIRECTOR, SAFETY AND ENVIRONMENTAL
MANAGEMENT DIVISION (WPX)

SUBJECT: Ambient Asbestos Air Monitoring, The White House, 1600 Pennsylvania Avenue, NW

The attached Occupational Medical Center report is forwarded for your information. Ambient asbestos air monitoring was performed at the White House on May 20, 1989. Sample results indicated asbestos fiber levels below 0.01 fibers per cubic centimeters of air, the National Institute for Occupational Safety and Health recommended asbestos standard for non-industrial environments. No follow-up action is planned or required at this time.

Please keep this report with the building asbestos file. If you have any further concerns regarding this matter, please contact Ms. Charmayne Kirkland on 453-5236.

Attachment

JUL 2 1979

Martin Marietta Laboratories
1450 South Rolling Road
Baltimore, Maryland 21227

Gentlemen:

The offer submitted by you in the amount of $3310 in response to Solicitation GS-03C90861 to provide air analysis services at three Government Buildings in the White House Area, has been accepted on behalf of the United States Government. A signed copy of contract GS-03C90861 is enclosed.

The contract is effective July 30, 1979. Mr. Jesse Walters is hereby designated as the contracting officer's representative to administer this contract. He is located in the Accident and Fire Prevention Branch and may be reached on phone (202) 472-1618.

Sincerely,

John C Falls

JOHN C. FALLS
Chief
Contract Services Branch

Enclosure
cc: WPOC - Official File
Reading File
Contract File
WBCPP - Accounts Payable Branch
WPFX - White House Field Office
WPFX - Manager, White House Area
WPOC:MDZISKIND:cal/7-13-79

SOLICITATION, OFFER, AND AWARD (Contract for Building Services)	CONTRACT NUMBER GS-03C90861	SOLICITATION NUMBER	PAGE 1 OF 22 PAGES

ISSUING OFFICE	OFFER RECEIVING OFFICE	
General Services Administration National Capital Region , (WPOC) Public Buildings Service Washington, DC 20407	General Services Administration Bid Room # 1701 7th & D Streets, S.W. Washington, DC 20407	☐ ADVERTISED (IFB) ☒ NEGOTIATED (RFP)

Solicitation Date: June 18, 1979

SECTION I - SOLICITATION

SUBMIT SEALED OFFER IN ORIGINAL AND one COPIES	OFFERS MUST BE RECEIVED BY →	TIME 4 P.M.	ZONE Eastern	DATE July 9, 1979
Sealed offers for furnishing the supplies or services described in the Schedule will be received in the Offer Receiving Office specified above, or may be hand-carried to the depository.		DEPOSITORY LOCATION	Adjacent to Bid Room #1701	

If this is an advertised solicitation, offers will be publicly opened at the time specified above.
All offers are subject to the following:

1. The Schedule included below and/or attached.
2. The Contract Requirements.
3. Such other provisions, terms, conditions, representations, certifications, specifications, and exhibits as are attached.

Offers which exceed $2,500 are subject to the following additional provisions:

1. Solicitation, Instructions, Terms, and Conditions, GSA Form 1467-A. CAUTION—LATE OFFERS, see pars. 6 or 7.
2. The General Provisions, GSA Form 1468.

CONTACT FOR INFORMATION (No collect calls)	NAME Michael D. Ziskind	TELEPHONE NUMBER (202) 472-1682

SECTION II - SCHEDULE

BRIEF DESCRIPTION AND LOCATION OF WORK

Furnish all labor, supervision, materials and equipment to analyze the air in three Government-owned buildings in Washington, DC to determine levels of asbestos and other hazardous substances and make recommendations to alleviate potential hazardous conditions which are discovered

PERIOD OF SERVICE (DATES) FROM: 30 days from Notice to Proceed

SECTION III - OFFER (NOTE: Reverse must also be completed by Offeror)

IN COMPLIANCE WITH the above, the undersigned agrees that, if this offer is accepted within 60 days (60 calendar days unless a different period is inserted by the offeror) from the date of opening, he will within 15 calendar days (unless a longer period is allowed), after receipt of acceptance by the Government furnish performance bond and insurance if required and, upon receipt of notice from the Government to proceed thereafter provide the services described in the Contract Requirements, in strict accordance with all provisions of the Solicitation as set forth below.

AMT. OF OFFER: $3310

DISCOUNT TERMS: None

NAME AND ADDRESS OF OFFEROR (Type or print—number, street, city, state, zip code, and telephone no.)
Martin Marietta Laboratories, 1450 South Rolling Road, Baltimore, MD 21227 (301) 247-0700

PERSON AUTHORIZED TO SIGN OFFER
SIGN HERE → David C. Miller

SIGNER'S NAME AND TITLE (Type or print)
David C. Miller
Controller, Martin Marietta Laboratories

SECTION IV - AWARD (For Government use only)

☐ YOU ARE DIRECTED TO PROCEED WITH THE WORK

EFFECTIVE DATE →

NOTICE TO PROCEED WILL BE ISSUED UPON RECEIPT OF ACCEPTABLE:

☐ PERFORMANCE BOND (If required)

☐ EVIDENCE OF INSURANCE (If required)

DATE OF AWARD

OFFER ACCEPTED FOR $

☒ NEGOTIATED PURSUANT TO 41 U.S.C. 252 (C) (3)

ACCOUNTING INFORMATION
192X.79.54.P0310001.N11.25.516
.DC0105ZZ

THE UNITED STATES OF AMERICA
By John C Falls
(Contracting Officer)
Chief, Contract Services Branch (WPOC)
(Title)

GS-03C9-0861
Industrial Hygiene Services

REPRESENTATIONS AND CERTIFICATIONS

Offeror makes the following representations and certifications as part of his proposal. *(Check or complete all appropriate boxes or blocks.)*

By submission of this proposal, the offeror acknowledges that he has a complete understanding of the requirements of the contract, and is familiar with the physical conditions under which it will be performed.

SMALL BUSINESS *(See Code of Federal Regulations, Title 41, Subpart 1-1.7.)*
He ☐ is ☒ is not, a small business concern. If offeror is a small business concern and is not the manufacturer of the supplies offered, he also represents that all supplies to be furnished hereunder ☐ will, ☐ will not, be manufactured or produced by a small business concern in the United States, its possessions, or Puerto Rico.

MINORITY BUSINESS ENTERPRISE
He ☐ is, ☒ is not, a minority business enterprise. A minority business enterprise is defined as a "business, at least 50 percent of which is owned by minority group members or, in case of publicly owned businesses, at least 51 percent of the stock of which is owned by minority group members." For the purpose of this definition, minority group members are Negroes, Spanish-speaking American persons, American-Orientals, American-Indians, American-Eskimos, and American-Aleuts."

CONTINGENT FEE
(a) He ☐ has, ☒ has not, employed or retained any company or person *(other than a full-time, bona fide employee working solely for the offeror)* to solicit or secure this contract, and (b) he ☐ has, ☒ has not, paid or agreed to pay any company or person *(other than a full-time, bona fide employee working solely for the offeror)* any fee, commission, percentage or brokerage fee, contingent upon or resulting from the award of this contract; and agrees to furnish information relating to (a) and (b) above as requested by the Contracting Officer. *(For interpretation of the representation, including the term "bona fide employee," see Code of Federal Regulations, Title 41, Subpart 1-1.5.)*

TYPE OR ORGANIZATION
He operates an an ☐ individual, ☐ partnership, ☒ corporation, incorporated in the State of Maryland

CERTIFICATION OF INDEPENDENT PRICE DETERMINATION *(See par. 8 on GSA Form 1467-A) (applicable only to offers in excess of $2,500)*
(a) By submission of this offer, the offeror certifies, and in the case of a joint offer, each party thereto certifies as to its own organization, that in connection with this procurement:

(1) The prices in this offer have been arrived at independently, without consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other offeror or with any competitor;

(2) Unless otherwise required by law, the prices which have been quoted in this offer have not been knowingly disclosed by the offeror and will not knowingly be disclosed by the offeror prior to opening in the case of an advertised procurement or prior to award in the case of a negotiated procurement, directly or indirectly to any other offeror or to any competitor; and

(3) No attempt has been made or will be made by the offeror to induce any other person or firm to submit or not to submit an offer for the purpose of restricting competition.

(b) Each person signing this offer certifies that:

(1) He is the person in the offeror's organization responsible within that organization for the decision as to the prices being offered herein and that he has not participated, and will not participate, in any action contrary to (a)(1) through (a)(3) above; or

(2) (i) He is not the person in the offeror's organization responsible within that organization for the decision as to the prices being offered herein but that he has been authorized in writing to act as agent for the persons responsible for such decision in certifying that such persons have not participated, and will not participate, in any action contrary to (a)(1) through (a)(3) above, and as their agent does hereby so certify; and (ii) he has not participated, and will not participate, in any action contrary to (a)(1) through (a)(3) above.

THE FOLLOWING NEED BE CHECKED ONLY IF OFFER EXCEEDS $10,000.00 IN AMOUNT

PARENT COMPANY AND EMPLOYER IDENTIFICATION NUMBER
Each offeror shall furnish the following information by filling in the appropriate blocks:
(a) Is the offeror owned or controlled by a parent company as described below? ☐ Yes ☐ No. *(For the purpose of this proposal, a parent company is defined as one which either owns or controls the activities and basic business policies of the offeror. To own another company means the parent company must own at least a majority (more than 50 percent) of the voting rights in that company. To control another company, such ownership is not required; if another company is able to formulate, determine, or veto basic business policy decisions of the offeror, such other company is considered the parent company of the offeror. This control may be exercised through the use of dominant minority voting rights, use of proxy voting, contractual arrangements, or otherwise.)*
(b) If the answer to (a) above, is "Yes," offeror shall insert in the space below the name and main office address of the parent company.

E OF PARENT COMPANY	MAIN OFFICE ADDRESS

(c) Offeror shall insert in the applicable space below, if he has no parent company, his own Employer's Identification Number (E.I.No) *(Federal Social Security Number used on Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941)*, or, if he has a parent company, the E.I. No. of his parent company.

EMPLOYER NTIFICATION NUMBER OF	PARENT COMPANY	OFFEROR

EQUAL OPPORTUNITY
He ☐ has, ☐ has not, participated in a previous contract or subcontract subject to the Equal Opportunity Clause herein, the clause originally contained in section 301 of Executive order No. 10925, or the clause contained in section 201 of Executive Order No. 11114; that he ☐ has ☐ has not, filed all required compliance reports; and that representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained prior to subcontract awards. *(The above representation need not be submitted in connection with contracts or subcontracts which are exempt from the clause.)*

AFFIRMATIVE ACTION PROGRAM
The offeror represents that (1) he ☐ has developed and has on file, ☐ has not developed and does not have on file, at each establishment affirmative action programs as required by the rules and regulations of the Secretary of Labor *(41 CFR 60-1 and 60-2)*; or (2) he ☐ has not previously had contracts subject to the written affirmative action program requirement of the rules and regulations of the Secretary of Labor.

CLEAN AIR AND WATER
The bidder or offeror certifies as follows:
(a) Any facility to be utilized in the performance of this proposed contract has ☐, has not ☐, been listed on the Environmental Protection Agency List of Violating Facilities.
(b) He will promptly notify the Contracting Officer, prior to award, of the receipt of any communication from the Director, Office of Federal Activities, Environmental Protection Agency, indicating that any facility which he proposes to use for the performance of the contract is under consideration to be listed on the EPA List of Violating Facilities.
(c) He will include substantially this certification, including this paragraph (c), in every nonexempt subcontract.

NOTE.-Proposals must set forth full, accurate, and complete information as required by this Solicitation (including attachments). The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

GS-03C9-0861
Industrial Hygiene Services

SUPPLEMENT TO REPRESENTATIONS AND CERTIFICATIONS
(GSA Form 1467, Back)

Add the following new items:

11. "This concern is_____ is not__x__ a woman-owned business; is__x__an exempted business.

A woman-owned business is a business which is at least 51 percent owned, controlled, and operated by a woman or women. Control is defined as exercising the power to make policy decisions. Operated is defined as actively involved in the day-to-day management.

For the purpose of this definition, businesses which are publicly owned, joint stock associations, or business trusts are exempted. Exempted businesses may voluntarily represent whether they are, or are not, woman-owned if this information is available."

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12. "DUNS" CONTRACTOR ESTABLISHMENT NUMBER: 06-938-6480

+ + + + + + + + + + + + + + +

B I D S H E E T

TO BID ON THIS SOLICITATION, PLEASE SUBMIT PAGES 1,2,3, AND 4 TO THE OFFER RECEIVING OFFICE INDICATED ON PAGE ONE. BE SURE TO SIGN PAGE 1,SECTION III. ALSO EXECUTE PAGES 2,3,and 4, WHERE INDICATED. AFFIX THE GUMMED STICKER TO THE ENVELOPE BEFORE MAILING.

AWARD OF THIS CONTRACT WILL BE MADE TO THE LOWEST RESPONSIVE AND RESPONSIBLE OFFEROR.

PROVIDE ASBESTOS TESTING SERVICES AS OUTLINED IN THE SCOPE OF WORK FOR THE SUM OF.....$ 3310

TABLE OF CONTENTS

GSA Form 1467 - Solicitation, Offer and Award (1 pg).

Representations and Certifications (2 pgs)

Bid sheet - (1 pg)

GSA Form 1467(A) - Solicitation Instructions and Conditions (2 pgs)

GSA Form 1468 - General Provisions - (5 pgs)

GSA Form 1714 - Equal Employment Opportunity Clause (1 pg)

GSA Form 2166 - Service Contract Act of 1965 (2 pgs)

Official Wage Determination - (1 pg)

GSA Form 3369 - Value Engineering Incentive Clause (2 pgs)

Schedule of Requirements - (3 pgs)

Scope of Work -One page

SOLICITATION INSTRUCTIONS AND CONDITIONS

(Contract for Building Services)

1. DEFINITIONS

(a) The term "solicitation" as used in this GSA Form 1467A and in GSA Form 1467 means either an invitation for bids (IFB) when a contract is formally advertised with public opening of bids, or, a request for proposals (RFP) when a contract is negotiated without formal advertising.

(b) The term "offer" means either a bid as submitted in response to an IFB or a proposal submitted in response to a RFP, depending on whether the contract is formally advertised or competitively or otherwise negotiated.

(c) The term "offeror" means a person or concern who submits either a bid in response to an IFB or as proposal in response to a RFP.

2. PREPARATION OF OFFERS

Each offeror shall furnish the information required by the solicitation form and submit the entire package as specified therein. The offeror shall sign the offer and print or type his name on the Schedule and each Continuation Sheet thereof on which he makes an entry. Erasures or other changes must be initialed by the person signing the offer. Offers signed by an agent are to be accompanied by evidence of his authority unless such evidence has been previously furnished to the issuing office.

3. VISIT TO THE BUILDING

Offerors should visit the building and take such other steps as may be reasonably necessary to ascertain the nature and location of the services to be performed and the general and local conditions which can affect the services or the cost thereof. Failure to do so will not relieve offerors from responsibility for estimating properly the difficulty of cost of successfully performing the services. The Government will assume no responsibility for any understanding or representations concerning conditions made by any of its officers or agents prior to the execution of the contract, unless included in the solicitation, the requirements and specifications, or related documents.

4. QUALIFICATIONS OF OFFERORS

Offers will be considered only from responsible organizations or individuals now or recently engaged in the performance of building service contracts comparable to those described in the attached schedule. In order to determine his qualifications, each offeror may be requested to furnish a narrative statement listing comparable contracts which he has performed; the general history of his operating organization; and his complete experience. Each offeror may also be required to furnish a statement of his financial resources; show that he has the ability to maintain a staff of regular employees adequate to insure continuous performance of the work; and, demonstrate that his equipment and/or plant capacity for the work contemplated is sufficient, adequate, and suitable.

Competency in performing comparable building service contracts, demonstration of acceptable financial resources, personnel staffing, plant, equipment, and supply sources will be considered in determining the offer to be accepted.

Prospective offerors are advised that in evaluating those areas involving the capacity and credit of any small business concern or group of such concerns, any negative determinations are subject to the Certificate of Competency procedures set forth in the Federal Procurement Regulations (41 CFR 1-1.708).

5. EXPLANATION TO OFFERORS

(In formally advertised solicitations the following provision is applicable.)

Any explanation desired by a offeror regarding the meaning or interpretation of the solicitation, Contract Requirements, etc must be requested in writing and with sufficient time allowed for a reply to reach offerors before the submission of their offers. Any information given to a prospective offeror concerning a solicitation will be furnished to all prospective offerors as an amendment to the solicitation, if such information is necessary to offerors in submitting offers on the solicitation or if the lack of such information would be prejudic to uninformed offerors. Receipt of amendments by an offeror must acknowledged on the offer or by letter or telegram received before t time set for receipt of offers. Oral explanation or instructions giv before the award of the contract will not be binding.

6. LATE BIDS, MODIFICATION OF BIDS, OR WITHDRAWAL OF BIDS (IFB)

(In advertised solicitations, the following provision is applicable

(a) Any bid received at the office designated in the solicitati after the exact time specified for receipt will not be considered unle it is received before award is made and either:

(1) It was sent by registered or certified mail not later than t fifth calendar day prior to the date specified for the receipt of bi (e.g., a bid submitted in response to a solicitation requiring recei of bids by the 20th of the month must have been mailed by the 15 or earlier); or

(2) It was sent by mail (or telegram if authorized) and it is d termined by the Government that the late receipt was due solely mishandling by the Government after receipt at the Governme installation.

(b) Any modification or withdrawal of a bid is subject to the sam conditions as in (a), above. A bid may also be withdrawn in perso by a bidder or his authorized representative, provided his identi is made known and he signs a receipt for the bid, but only if th withdrawal is made prior to the exact time set for receipt of bids.

(c) The only acceptable evidence to establish:

(1) The date of mailing of a late bid, modification or withdraw sent either by registered or certified mail is the U.S. Postal Servic postmark on the wrapper or on the original receipt from the U. Postal Service. If neither postmark shows a legible date, the bi modification, or withdrawal shall be deemed to have been mailed lat (The term "postmark" means a printed, stamped or otherwise place impression that is readily identifiable without further action as havin been supplied and affixed on the date of mailing by the employe of the U.S. Postal Service.)

(2) The time of receipt at the Goverment installation is the time date stamp of such installation on the bid wrapper or other documen tary evidence of receipt maintained by the installation.

(d) Notwithstanding (a) and (b) of this provision, a late modifica tion of an otherwise successful bid which makes its terms more favor able to the Goverment will be considered at any time it is receive and may be accepted.

7. LATE PROPOSALS, MODIFICATIONS OF PROPOSALS AND WITHDRAWALS OF PROPOSALS (RFP)

(In negotiated solicitations, the following provision is applicable.

(a) Any proposal received at the office designated in the solicitatio after the exact time specified for receipt will not be considered unles it is received before award is made, and:

(1) It was sent by registered or certified mail not later than th fifth calendar day prior to the date specified for receipt of offer (e.g., an offer submitted in response to a solicitation requiring receip of offers by the 20th day of the month must have been mailed b the 15th or earlier);

(2) It was sent by mail (or telegram it authorized) and it determined by the Government that the late receipt was due solel to mishandling by the Government after receipt at the Governmen installation;

(3) It is the only proposal received; or

(4) It offers significant cost or technical advantages to the Govern ment; and it is received before a determination of the competitiv range has been made.

(b) Any modification of a proposal is subject to the same con ditions as in (a) of this provision.

(c) The only acceptable evidence to establish:

(1) The date of mailing of a late proposal or modification sen either by registered mail or certified mail is the U.S. Postal Service postmark on the wrapper or on the original receipt from the U.S

Postal Service. If neither postmark shows a legible date, the proposal or modification of proposal shall be deemed to have been mailed later. (The term "postmark" means a printed, stamped, or otherwise placed impression that is readily identifiable without further action as having been supplied and affixed on the date of mailing by employees of the U.S. Postal Service.)

(2) The time of receipt at the Government installation is the time-date stamp of such installation on the proposal wrapper or other documentary evidence of receipt maintained by the installation.

(d) Notwithstanding (a) and (b) of this provision, a late modification of an otherwise successful proposal which makes its terms more favorable to the Government will be considered at any time it is received and may be accepted.

(e) Proposals may be withdrawn by written or telegraphic notice received at any time prior to award. Proposals may be withdrawn in person by an offeror or his authorized representative, provided his identity is made known and he signs a receipt for the proposal prior to award.

8. CERTIFICATION OF INDEPENDENT PRICE DETERMINATION

(a) An offer will not be considered for award where (a) (1), (a) (3), or (b) of the certification deleted or modified. Where (a) (2) of the certification has been deleted or modified, the offer will not be considered for award unless the offeror furnishes with the offer a signed statement which sets forth in detail the circumstances of the disclosure and the Contracting Officer determines that such disclosure was not made for the purpose of restricting competition.

9. AWARD OF CONTRACT

(a) The contract will be awarded to that responsible offeror whose offer, conforming to the solicitation, will be most advantageous to the Government, price and other factors considered.

(b) The Government reserves the right to reject any or all offers and to waive informalities and minor irregularities in offers received.

(c) A written award mailed (or otherwise furnished) to the successful offeror within the time of acceptance specified in the offer shall be deemed to result in a binding contract without further action by either party.

10. ORDER OF PRECEDENCE

In the event of an inconsistency between provisions of this solicitation, the inconsistency shall be resolved by giving precedence in the following order: (a) Contract Requirements; (b) solicitation instructions, terms and conditions of the solicitation: (c) general provisions; and (d) other provisions of the contract, where incorporated by reference or otherwise.

11. DISCOUNTS

(a) Prompt payment discounts offered for payment within less than thirty (30) calendar days will not be considered in evaluating offers for award unless otherwise specified in the solicitation. For the purpose of bid evaluation, any prompt payment discount which is eligible (i.e., for a period of 30 days or more) for consideration in the evaluation of offers will be applied directly to the price(offered.

(b) For the purpose of payment, when the pro payment discount is earned, the full discount will be deducted. A prompt payment discount excess of 5 percent will be considered by the Government only as a prompt payment discount 5 percent will be considered as a special dis count which the bidder or offeror agrees that the Government will be entitled to regardless of when payment is made.

(c) In connection with any discount offered time will be computed from the date of acceptance or from the date correct invoice or voucher is received in the office specifie by the Government, whichever date is later. Payment is deemed to be made for the purpose of earning the discount on the date of mailin the Government check.

GENERAL PROVISIONS
(Contract for Building Services)

1. WORKMANSHIP AND MATERIALS

The Contractor shall furnish all labor, materials and equipment necessary for satisfactory contract performance. When not specifically identified in the specifications, such materials and equipment shall be of a suitable type and grade for the purpose. Each item or article shall be subject to inspection and/or test and approved by the Contracting Officer when he so requires.

2. SUPERVISION

The Contractor shall arrange for satisfactory supervision of the contract work. The Contractor or his supervisors shall be available at all times, when the contract work is in progress, to receive instructions from the Contracting Officer or his representative. It is policy of the General Services Administration that Government direction or supervision of contractor's employees, directly or indirectly, shall not be exercised.

3. QUALIFICATIONS OF EMPLOYEES

The Contracting Officer may require dismissal from the work of employees which he deems incompetent, careless, insubordinate, unsuitable or otherwise objectionable, or whose continued employment he deems contrary to the public interest or inconsistent with the best interests of national security. The Contractor shall fill out and cause each of his employees on the contract work to fill out, for submission to the Government, such forms as may be necessary for security or other reasons. Upon request of the Contracting Officer; he and his employees shall be fingerprinted by Government personnel assigned to that duty. Each employee of the contractor shall be a citizen of the United States of America, or an alien who has been lawfully admitted for permanent residence as evidenced by Alien Registration Receipt Card Form I-151, or, who presents other evidence from the Immigration and Naturalization Service that employment will not affect his immigration status.

4. CONTRACT WORK HOURS—OVERTIME COMPENSATION

This contract, to the extent that it is of a character specified in the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-333), is subject to the following provisions and to all other applicable provisions and exceptions of such Act and the regulations of the Secretary of Labor thereunder.

(a) **Overtime requirements.** No Contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers, mechanics, apprentices, trainees, watchmen, and guards shall require or permit any laborer, mechanic, apprentice, trainee, watchman, or guard in any workweek in which he is employed on such work to work in excess of 8 hours in any calendar day or in excess of 40 hours in such workweek on work subject to the provisions of the Contract Work Hours and Safety Standards Act unless such laborer, mechanic, apprentice, trainee, watchman, or guard receives compensation at a rate not less than one and one-half times his basic rate of pay for all such hours worked in excess of 8 hours in any calendar day or in excess of 40 hours in such workweek, whichever is the greater number of overtime hours.

(b) **Violation; liability for unpaid wages; Liquidated damages.** In the event of any violation of the provisions of paragraph (a), the Contractor and any subcontractor responsible therefor shall be liable to any affected employee for his unpaid wages. In addition, such Contractor and subcontractor shall be liable to the United States for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer, mechanic, apprentice, trainee, watchman, or guard employed in violation of the provisions of paragraph (a) in the sum of $10 for each calendar day on which such employee was required or permitted to be employed on such work in excess of 8 hours or in excess of his standard workweek of 40 hours without payment of the overtime wages required by paragraph (a).

(c) **Withholding for unpaid wages and liquidated damages.** The Contracting Officer may withhold from the Government Prime Contractor, from any moneys payable on account of work performed by the Contractor or subcontractor, such sums as may administratively be determined to be necessary to satisfy any liabilities of such Contractor or subcontractor for unpaid wages and liquidated damages as provided in the provisions of paragraph (b).

(d) **Subcontracts.** The Contractor shall insert paragraphs (a) through (d) of this clause in all subcontracts, and shall require their inclusion in all subcontracts of any tier.

(e) **Records.** The Contractor shall maintain payroll records containing the information specified in 29 CFR 516.2(a). Such records shall be preserved for 3 years from the completion of the contract.

5. COVENANT AGAINST CONTINGENT FEES

The Contractor warrants that no person or selling agency has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by the Contractor for the purpose of securing business. For breach or violation of this warranty the Government shall have the right to annul this contract without liability or in its discretion to deduct from the contract price or consideration, or otherwise recover, the full amount of such commission, percentage, brokerage, or contingent fee.

6. OFFICIALS NOT TO BENEFIT

No member of or delegate to Congress, or resident Commissioner shall be admitted to any share or part of the contract or to any benefit that may arise therefrom, but this provision shall not be construed to extend to the contract if made with a corporation for its general benefit.

7. DEFAULT

(a) The Government may, by written notice to the Contractor, terminate the Contractor's right to proceed with the whole or any part of the contract (1) if the Contractor fails to perform the services within the time specified or any extension thereof, or (2) so fails to make progress as to endanger performance of the contract in accordance with its terms or (3) the Contractor fails to perform any other provisions of the contract. In the event of such termination, the Govermnent may procure or furnish, upon such terms and in such manner as the Contracting Officer may deem appropriate, services similar to those so terminated, the Contractor shall be liable to the Government for any excess costs for such services: Provided, that the contractor shall not be liable for any increased costs if failure to perform the contract arises out of cause beyond his control and without his fault or negligence and that of his subcontractors or suppliers.

(b) (1) In the case of failure by the Contractor to perform daily or weekly scheduled work or if any operation is omitted or unsatisfactorily performed, the attention of the contractor shall be called to this failure or omission and a deduction will be made covering the cost of service omitted or not satisfactorily performed from any monies due or to become due the Contractor.

(2) In the case that services scheduled for performance monthly or less frequently are omitted or not satisfactorily performed when scheduled for performance, the contracting officer shall, in writting, call to the attention of the Contractor this failure or omission and request that the unperformed work be completed within such time as the contracting officer deems reasonable. If the contractor does not comply with this request in the time stipulated the omitted services shall be subject to deduction in full.

(3) Amounts to be deducted under this sub-paragraph will be determined by using item unit costs shown in a schedule of deductions which may be attached. In the absence of an attached schedule of deduction for this contract, or in the event the Government and the Contractor fail to agree on the scope, or value of the unperformed or unsatisfactory work, the dispute shall be disposed of as provided for in paragraph 9 below.

(c) In the event of termination in part pursuant to (a) above, or if deductions are made pursuant to (b) above, the contractor shall continue the performance of this contract to the extent that it is not affected by these actions.

(d) If, after notice of termination of this contract under the provisions of this clause, it is determined for any reason that the Contractor was not in default under the provisions of this clause or that the default was excusable under the provisions of this clause, the rights and obligations of the parites shall, if the contract contains a clause providing for termination for convenience of the Government, be the same as if notice of termination had been issued pursuant to such clause.

8. TERMINATION FOR THE CONVENIENCE OF THE GOVERNMENT

The Contracting Officer, by written notice, may terminate performance of work under this contract, in whole or in part, when it is in the best interest of the Government. The termination of the contract and compensation to the Contractor shall be governed by the Federal Procurement Regulations in effect on the date of the contract (41 CFR 1-8).

9. DISPUTES

(a) Except as otherwise provided in this contract, any dispute concerning a question of fact arising under this contract which is not disposed of by agreement shall be decided by the Contracting Officer, who shall reduce his decision to writing and mail or otherwise furnish a copy therof to the Contractor. The decision of the Contracting Officer shall be final and conclusive unless within 30 days from the date or receipt of such copy, the Contractor mails or otherwise furnishes to the Contracting Officer a written appeal addressed to the Administrator of General Services. The decision of the Administrator or his duly authorized representative for the determination of such appeals shall be final and conclusive unless determined by a court of competent jurisdiction to have been fraudulent, or capricious, or abritrary, or so grossly erroneous as necessarily to imply bad faith, or not supported by substantial evidence. In connection with any appeal proceeding under this clause, the Contractor shall be afforded an opportunity to be heard and to offer evidence in support of his appeal. Pending final decision of a dispute hereunder, the Contractor shall proceed diligently with the performance of the contract and in accordance with the Contracting Officer's decision.

(b) This "Disputes" clause does not preclude consideration of law questions in connection with decision provided for in paragraph (a) above: *Provided*, That nothing in this contract shall be construed as making final the decision of any administrative official, representative, or board on a question of law.

10. CONVICT LABOR

In connection with the performance of work under this contract, the Contractor agrees not to employ any person undergoing sentence of imprisonment except as provided by Public Law 89-176, September 10, 1965 (18 U.S.C. 4082(c)(2)) and Executive Order 11755, December 29, 1973.

11. ASSIGNMENT OF CLAIMS

(a) Pursuant to the provisions of the Assignment of Claims Act of 1940, as amended (31 U.S.C. 203, 41 U.S.C. 16), if this contract provides for payments aggregating $1,000 or more, claims for moneys due or to become due the Contractor from the Government under this contract may be assigned to a bank, trust company, or other financing institution, including any Federal lending agency, and may thereafter be further assigned and reassigned to any such institution. Any such assignment or reassignment shall cover all amounts payable under this contract and not already paid, and shall not be made to more than one party, except that any such assignment or reassignment may be made to one party as agent or trustee for two or more parties participating in such financing. Unless otherwise provided in this contract, payments to assignee or any moneys due or to become due under this contract shall not, to the extent provided in said Act, as amended, be subject to reduction or setoff. (The preceding sentence applies only if this contract is made in time of war or national emergency as defined in said Act and is with the Department of Defense, the General Services Administration, the Atomic Energy Commission, the National Aeronautics and Space Administration, the Federal Aviation Agency or any other department or agency of the United States designated by the President pursuant to Clause 4 of the provision of section 1 of the Assignment of Claims Act of 1940, as amended by the Act of May 15, 1951, 65 Stat. 41.)

(b) In no event shall copies of this contract or of any plans, specifications, or other similar documents relating to work under this contract, if marked "Top Secret," "Secret" or "Confidential," be furnished to any assignee of any claim arising under this contract or to any other person not entitled to receive the same. However, a copy of any part or all of this contract so marked may be furnished, or any information contained therein may be disclosed, to such assignee upon the prior written authorization of the Contracting Officer.

12. SAVE HARMLESS AND INDEMNITY AGREEMENT

The Contractor shall save and keep harmless and indemnify the Government against any and all liability, claims, and costs of whatsoever kind and nature for injury to or death of any person or persons and for loss or damage to any property (Government or otherwise) occurring in connection with or in any way incident to or arising out of the occupancy, use, service, operations, or performance of work in connection with this contract, resulting in whole or in part from the negligent acts, fault or omissions of Contractor, any subcontractor, or any employee, agent, or representative of Contractor or any subcontractor.

13. INSURANCE

Unless otherwise provided in the solicitation for offers this paragraph applies only to contracts of $10,000 or more. Contractor shall procure and maintain at his expense during the contract term, and any extension thereof, such insurance as herein stipulated. Insurance shall be written by companies acceptable to, and policies shall include such terms and provisions as may be required by General Services Administration. Contractor shall provide and furnish evidence of the following insurance:

General public liability insurance covering all duties, services, and work to be performed under this contract: insurance shall provide limits of liability for bodily injury of not less than $50,000 for each person and $100,000 for each occurrence and property damage limits of liability of not less than $25,000 for each accident. The general liability policy shall name "The United States of America, acting by and through General Services Administration", as an additional insured with respect to operations performed under this contract.

Each policy shall include the following provisions:

It is a condition of this policy that the Company shall furnish written notice to General Services Administration, in care of the issuing office, thirty (30) days in advance of the effective date of any reduction in or cancellation of this policy.

Insurance shall be effective and evidence of acceptable insurance furnished prior to commencing operations under this contract. Contractor shall furnish the General Services Administration as evidence of required insurance, certified true copies of liability policies and manually contersigned endorsements of any changes thereto. Renewal policies shall be furnished not less than five (5) days prior to the expiration of current policies.

Contractor also agrees to maintain Workmen's Compensation and Employers' Liability Insurance for the protection of employees.

14. UTILIZATION OF SMALL BUSINESS CONCERNS

(a) It is the policy of the Government as declared by the Congress that a fair proportion of the purchases and contracts for supplies and services for the Government be placed with small business concerns.

(b) The Contractor agrees to accomplish the maximum amount of subcontracting to small business concerns that the Contractor finds to be consistent with the efficient performance of this contract.

15. EQUAL OPPORTUNITY CLAUSE (See attached GSA Form 1714)

16. SERVICE CONTRACT ACT OF 1965 (See attached GSA Form 2168)

17. CLEAR AIR AND WATER

(Applicable only if the contract exceeds $100,000, or the Contracting Officer has determined that the orders under an indefinite quantity contract in any one year will exceed $100,000, or a facility to be used has been the subject of a conviction under the Clean Air Act (42 U.S.C. 1857c 8(c)(1) or the Federal Water Pollution Control Act (33 U.S.C. 1319(c)) and is listed by EPA, or the contract is not otherwise exempt.)

(a) The Contractor agrees as follows:

(1) To comply with all the requirements of section 114 of the Clean Air Act, as amended (42 U.S.C. 1857, et seq., as amended by Public Law 91-604) and section 308 of the Federal Water Pollution Control Act (33 U.S.C. 1251, et seq., as amended by Public Law 92-500), respectively, relating to inspection, monitoring, entry, reports, and information, as well as other requirements specified in section 114 and section 308 of the Air Act and the Water Act, respectively, and all regulations and guidelines issued thereunder before the award of this contract.

(2) That no portion of the work required by this prime contract will be performed in a facility listed on the Environmental Protection Agency List of Violating Facilities on the date when this contract was awarded unless and until the EPA eliminates the name of such facility or facilities from such listing.

(3) To use his best efforts to comply with clean water standards at the facilities in which the contract is being performed.

(4) To insert the substance of the provisions of this clause in any nonexempt subcontract, including this paragraph (a)(4).

(b) The terms used in this clause have the following meanings:

(1) The term "Air Act" means the Clean Air Act, as amended (42 U.S.C. 1857 et seq., as amended by Public Law 91-604).

(2) The term "Water Act means Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et seq., as amended by Public Law 92-500).

(3) The term "Clean Air Standards" means any enforceable rules, regulations, guidelines, standards, limitations, orders, controls, prohibitions, or other requirements which are contained in, issued under, or otherwise adopted pursuant to the Air Act or Executive Order 11738, an applicable implementation plan as described in section 110(d) of the Clean Air Act (42 U.S.C. 1857 c-5(d)), an approved implementation procedure or plan under section 111(c) or section 111(d), respectively, of the Air Act (42 U.S.C. 1857 c-6(c) or (d)), or an approved implementation procedure under section 112 (d) of the Air Act (42 U.S.C. 1857 c-7(d)).

(4) The term "Clean Water Standards" means any enforceable limitation, control, condition, prohibition, standard, or other requirement which is promulgated pursuant to the Water Act or contained in a permit issued to a discharger by the Environmental Protection Agency or by a State under an approved program, as authorized by section 402 of the Water Act (33 U.S.C. 1342), or by local government to ensure compliance with pretreatment regulations as required by section 307 of the Water Act (33 U.S.C. 1317).

(5) The term "compliance" means compliance with clean air or water standards. Compliance shall also mean compliance with a schedule or plan ordered or approved by a court of competent jurisdiction, the Environmental Protection Agency or an Air Water Pollution Control Agency in accordance with the requirements of the Air Act or Water Act and regulations issued pursuant thereto.

(6) The term "facility" means any building, plant, installation, structure, mine, vessel, or other floating craft, location, or sites of operations, owned, leased, or supervised by a Contractor or subcontractor, to be utilized in the performance of a contract or subcontracts. Where a location or site of operations contains or includes more than one building, plant, installation, or structure, the entire location or site shall be deemed to be a facility except where the Director, Office of Federal Activities, Environmental, Protection Agency, determines that independent facilities are co-located in one geographical area.

18. EXAMINATION OF RECORDS

The following applies if this contract is negotiated:

(a) The Contractor agrees that the Comptroller General of the United States and the Administrator of General Services or any of their duly authorized representatives shall, until expiration of 3 years after final payment under this contract, or of the time periods for the particular records specified in Part 1-20 of the Federal Procurement Regulations (41 CFR Part 1-20) whichever expires earlier, have access to and the right to examine any books, documents, papers, and records of the Contractor involving transactions related to this contract, or compliance with any clauses thereunder.

(b) The contractor further agrees to include in all his subcontracts hereunder a provision to the effect that the subcontractor agrees that the Comptroller General of the United States and the Administrator of General Services or any of their duly authorized representatives shall, until expiration of 3 years after final payment under the subcontract, or of the time periods for the particular records specified in Part 1-20 of the Federal Procurement Regulations (41 CFR Part 1-20), whichever expires earlier, have access to and the right to examine any books, documents, papers, and records of such subcontractor, involving transactions related to the subcontract, or compliance with any clauses thereunder. The term "subcontract" as used in this clause excludes (1) purchase orders not exceeding $10,000 and (2) subcontracts or purchase orders for public utility services at rates established for uniform applicability to the general public.

(c) The cost principles and procedures set forth in the Federal Procurement Regulations (41 CFR 1-15.2) shall govern the accounting, auditing and administration of this contract. These regulations are incorporated herein by reference. Any deviation from these regulations shall be approved by the Contracting Officer.

19. DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA

(a) The contractor will not discriminate against any employee or applicant for employment because he or she is a disabled veteran or veteran of the Vietnam era in regard to any position for which the employee or applicant for employment is qualified. The contractor agrees to take affirmative action to employ, advance in employment, and otherwise treat qualified disabled veterans and veterans of the Vietnam era without discrimination based upon their disability or veterans status in all employment practices such as the following: employment upgrading, demotion or transfer, recruitment, advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship.

(b) The contractor agrees that all suitable employment openings of the contractor which exist at the time of the execution of this contract and those which occur during the performance of this contract, including those not generated by this contract and including those occurring at an establishment of the contractor other than the one wherein the contract is being performed but excluding those of independently operated corporate affiliates, shall be listed at an appropriate local office of the State employment service system wherein the opening occurs. The contractor further agrees to provide such reports to such local office regarding employment openings and hires as may be required.

State and local government agencies holding Federal contracts of $10,000 or more shall also list all their suitable openings with the appropriate office of the State employment service, but are not required to provide those reports set forth in paragraphs (d) and (e).

(c) Listing of employment openings with the employment service system pursuant to this clause shall be made at least concurrently with the use of any other recruitment source or effort and shall involve the normal obligations which attach to the placing of a bona fide job order, including the acceptance of referrals of veterans and nonveterans. The listing of employment openings does not require the hiring of any particular job applicants, and nothing herein is intended to relieve the contractor from any requirements in Executive orders or regulations regarding nondiscrimination in employment.

(d) The reports required by paragraph (b) of this clause shall include, but not be limited to, periodic reports which shall be filed at least quarterly with the appropriate local office or, where the contractor has more than one hiring location in a State, with the central office of that State employment service. Such reports shall indicate for each hiring location (1) the number of individuals hired during the reporting period, (2) the number of nondisabled veterans of the Vietnam era hired, (3) the number of disabled veterans of the Vietnam era hired, and (4) the total number of disabled veterans hired. The reports should include covered veterans hired for on-the-job training under 38 U.S.C. 1787. The contractor shall submit a report within 30 days after the end of each reporting period wherein any performance is made on this contract identifying data for each hiring location. The contractor shall maintain at each hiring location copies of the reports submitted until the expiration of one year after final payment under the contract, during which time these reports and related documentation shall be made available, upon request, for examination by any authorized representatives of the contracting officer or of the Secretary of Labor. Documentation would include personnel records respecting job openings, recruitment, and placement.

(e) Whenever the contractor becomes contractually bound to the listing provisions of this clause, it shall advise the employment service system in each State where it has establishments of the name and location of each hiring location in the State. As long as the contractor is contractually bound to these provisions and has so advised the State system, there is no need to advise the State system when it is no longer bound by this contract clause.

(f) This clause does not apply to the listing of employment openings which occur and are filled outside the 50 States, the District of Columbia, Puerto Rico, Guam, and the Virgin Islands.

(g) The provisions of paragraphs (b), (c), (d), and (e) of this clause do not apply to openings which the contractor proposes to fill from within his own organization or to fill pursuant to a customary and traditional employer-union hiring arrangement. This exclusion does not apply to a particular opening once an employer decides to consider

applicants outside of his own organization or employer-union arrangement for that opening.

(i) As used in this clause: (1) "All suitable employment openings" includes, but is not limited to, openings which occur in the following job categories: production and non-production; plant and office; laborers and mechanics; supervisory and nonsupervisory; technical; and executive, administrative, and professional openings that are compensated on a salary basis of less than $25,000 per year. This term includes full-time employment, temporary employment of more than 3 days' duration, and part-time employment. It does not include openings which the contractor proposes to fill from within his own organization or to fill pursuant to a customary and traditional employer-union hiring arrangement nor openings in an educational institution which are restricted to students of that institution. Under the most compelling circumstances an employment opening may not be suitable for listing, including such situations where the needs of the Government cannot reasonably be otherwise supplied, where listing would be contrary to national security, or where the requirement of listing would otherwise not be for the best interest of the Government.

(2) "Appropriate office of the State employment service system" means the local office of the Federal/State national system of public employment offices with assigned responsibility for serving the area where the employment opening is to be filled, including the District of Columbia, Guam, Puerto Rico, and the Virgin Islands.

(3) "Openings which the contractor proposes to fill from within his own organization" means employment openings for which no consideration will be given to persons outside the contractor's organization (including any affiliates, subsidiaries, and the parent companies) and includes any openings which the contractor proposes to fill from regularly established "recall" lists.

(4) "Openings which the contractor proposes to fill pursuant to a customary and traditional employer-union hiring arrangement" means employment openings which the contractor proposes to fill from union halls, which is part of the customary and traditional hiring relationship which exists between the contractor and representatives of his employees.

(i) The contractor agrees to comply with the rules, regulations, and relevant orders of the Secretary of Labor issued pursuant to the Act.

(j) In the event of the contractor's noncompliance with the requirements of this clause, actions for noncompliance may be taken in accordance with the rules, regulations, and relevant orders of the Secretary of Labor issued pursuant to the Act.

(k) The contractor agrees to post in conspicuous places available to employees and applicants for employment notices in a form to be prescribed by the Director, provided by or through the contracting officer. Such notice shall state the contractor's obligation under the law to take affirmative action to employ and advance in employment qualified disabled veterans and veterans of the Vietnam era for employment, and the rights of applicants and employees.

(l) The contractor will notify each labor union or representative of workers with which it has a collective bargaining agreement or other contract understanding that the contractor is bound by terms of the Vietnam Era Veteran's Readjustment Assistance Act and is committed to take affirmative action to employ and advance in employment qualified disabled veterans and veterans of the Vietnam era.

(m) The contractor will include the provisions of this clause in every subcontract or purchase order of $10,000 or more unless exempted by rules, regulations, or orders of the Secretary issued pursuant to the Act, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the Director of the Office of Federal Contract Compliance Programs may direct to enforce such provisions, including action for noncompliance.

20. AFFIRMATIVE ACTION FOR HANDICAPPED WORKERS

(a) The contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap in regard to any position for which the employee or applicant for employment is qualified. The contractor agrees to take affirmative action to employ, advance in employment and otherwise treat qualified handicapped individuals without discrimination based upon their physical or mental handicap in all employment practices such as the following: employment, upgrading, demotion or transfer, recruitment, advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship.

(b) The contractor agrees to comply with the rules, regulations, and relevant orders of the Secretary of Labor issued pursuant to the Act.

(c) In the event of the contractor's noncompliance with the requirements of this clause, actions for noncompliance may be taken in accordance with the rules, regulations and relevant orders of the Secretary of Labor issued pursuant to the Act.

(d) The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices in a form to be prescribed by the Director, provided by or through the contracting officer. Such notices shall state the contractor's obligation under the law to take affirmative action to employ and advance in employment qualified handicapped employees and applicants for employment, and the rights of applicants and employees.

(e) The contractor will notify each labor union or representative of workers with which it has a collective barganing agreement or other contract understanding, that the contract is bound by the terms of section 503 of the Rehabilitation Act of 1973, and is committed to take affirmative action to employ and advance in employment physically and mentally handicapped individuals.

(f) The contractor will include the provisions of this clause in every subcontract or purchase order of $2,500 or more unless exempted by rules, regulations, or orders of the Secretary issued pursuant to section 503 of the Act, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the Director of the Office of Federal Contract Compliance Programs may direct to enforce such provisions, including action for noncompliance.

21. FAIR LABOR STANDARDS ACT

The Fair Labor Standards Act of 1938 as amended applies to all employers and employees, unless exempted, who are engaged in interstate or foreign commerce, in producing goods for such commerce, or in any closely related process or occupation for such production. When applicable, it requires that employees be paid wages at not less than rates prescribed by law; regulates the compensation for overtime work and places restrictions on the employment of minors. Inquiries concerning application of the Act should be directed to the appropriate field office of the Wage and Hour Division, Department of Labor. If this contract is subject to the Fair Labor Standards Act and the minimum wage rate is increased by operation of law during the life of the contract, the amount payable to the contractor may be adjusted to compensate for such increase.

22. UTILIZATION OF MINORITY BUSINESS ENTERPRISES

(a) It is the policy of the Government that minority business enterprises shall have the maximum practicable opportunity to participate in the performance of Government contracts.

(b) The Contractor agrees to use his best efforts to carry out this policy in the award of his subcontracts to the fullest extent consistent with the efficient performance of this contract. As used in this contract, the term "minority business enterprise" means a business, at least 50 percent of which is owned by minority group members or, in case of publicly owned businesses, at least 51 percent of the stock of which is owned by minority group members. For the purposes of this definition, minority group members are Negroes, Spanish-speaking American persons, American-Orientals, American-Indians, American- Eskimos, and American-Aleuts. Contractors may rely on written representations by subcontractors regarding their status as minority business enterprises in lieu of an independent investigation.

23. CHANGES

The Contracting Officer may at any time by a written order, and without notice to the surities, make changes, within the general scope of this contract. If any such change causes an increase or decrease in the cost of, or the time required for, the performance of any part of the work under this contract, whether changed or not changed by any such order, an equitable adjustment shall be made in the contract price, schedule, or both, and the contract shall be modified in writing accordingly. Any claim by the Contractor for adjustment under this clause must be asserted within 30 days from the date of receipt by the Contractor of the notification of change: *Provided, however*, That the Contracting Officer, if he decides that the facts justify such action may receive and act upon any such claim asserted at any time prior to final payment under this contract. Where the cost of properly made obsolete or excess as a result of a change is included in the Contracting Officer shall have the right to prescribe the manner of disposition of such property. Failure to agree to any adjustment shall be a dispute concerning a question of fact within the meaning of the clause of this contract entitled "Disputes." However, nothing in this clause shall excuse the Contractor from proceeding with the contract as changed.

PAYMENT OF INTEREST ON CONTRACTORS' CLAIMS

(a) If an appeal is filed by the contractor from a final decision of the Contracting Officer under the Disputes clause of this contract, denying a claim arising under the contract, simple interest on the amount of the claim finally determined owned by the Government shall be payable to the Contractor. Such interest shall be at the rate determined by the Secretary of the Treasury pursuant to Public Law 92-41, 85 Stat. 97, from the date the Contractor furnishes to the Contracting Officer his written appeal under the Disputes clause of this contract, to the date of (1) a final judgement by a court of competent jurisdiction, or (2) mailing to the Contractor of a supplemental agreement for execution either confirming completed a decision of a board of contract appeals.

(b) Notwithstanding (a), above, (1) interest shall be applied only from the date payment was due, if such date is later than the filing of appeal, and (2) interest shall not be paid for any period of time that the Contracting Officer determines the Contractor has unduly delayed in pursuing his remedies before a board of contract appeals or a court of competent jurisdiction.

25. EXTRAS

Except as otherwise provided in this contract, no payment for extras shall be made unless such extras and the price therefor have been authorized in writing by the Contracting Officer.

26. PRICING OF ADJUSTMENTS

When costs are a factor in any determination of a contract price adjustment pursuant to the "Changes" cause or any other provision of this contract, such costs shall be in accordance with the contract cost principles and procedures in Part 1-15 of the Federal Procurement Regulations (41 CFR 1-15) of the Federal section XV of the Armed Services Procurement Regulation in effect on the date of this contract.

27. UTILIZATION OF LABOR SURPLUS AREA CONCERNS

(The following clause is applicable if this contract exceeds $10,000.)

(a) It is the policy of the Government to award contracts to labor surplus area concerns that (1) have been certified by the Secretary of Labor (thereafter referred to as certified-eligible concerns with first or second preferences) regarding the employment of a proportionate number of disadvantaged individuals and have agreed to perform substantially (i) in or near sections of concentrated unemployment or underemployment or in persistent or substantial labor surplus areas or (ii) in other areas of the United States, respectively, or (2) are noncertified concerns which have agreed to perform substantially in persistent or substantial labor surplus areas, where this can be done consistent with the efficient performance of the contract and at prices no higher than are obtainable elsewhere. The Contractor agrees to use his best efforts to place his subcontracts in accordance with this policy.

(b) In complying with paragraph (a) of this clause and with paragraph (b) of the clause of this contract entitled "Utilization of Small Business Concerns" the Contractor in placing his subcontracts shall observe the following order of preference: (1) Certified-eligible concerns with a first preference which are also small business concerns; 92) other certified-eligible concerns with a first preference; (3) certified-eligible concerns with a second preference which are also small business concerns; (4) other certified-eligible concerns with a second preference; (5) persistent or substantial labor surplus area concerns which are also small business concerns; (6) other persistent or substantial labor surplus area concerns; and (7) small business concerns which are not labor surplus area concerns.

28. BUY AMERICAN ACT SUPPLY AND SERVICE CONTRACTS

(a) In acquiring end products, the Buy American Act (41 U.S. Code 10a-d) provides that the Government give preference to domestic source end products. For the purpose of this clause:

(i) "Components" means those articles, materials, and supplies which are directly incorporated in the end products;

(ii) "End products" means those articles, materials, and supplies which are to be acquired under this contract for public use; and

(iii) A "domestic source end product" means (A) an unmanufactured end product which has been mined or produced in the United States and (B) an end product manufactured in the United States if the cost of the components thereof which are mined, produced, or manufactured in the United States exceeds 50 percent of the cost of all its components. For the purposes of this (a) (iii) (B), components of foreign origin of the same type or kind as the products referred to in (b) (ii) or (iii) or this clause shall be treated as components mined, produced, or manufactured in the United States.

(b) The Contractor agrees that there will be delivered under this contract only domestic source end products, except end products:

(i) Which are for use outside the United States;

9ii) Which the Government determines are not mined, produced, or manufactured in the United States in sufficient and reasonably available commercial quantities and of a satisfactory quality;

(iii) As to which the Secretary determines the domestic preference to be inconsistent with the public interest; or

(iv) As to which the Secretary determines the cost to the Government to be unreasonable.

(The foregoing requirements are administered in accordance with Executive Order No. 10582, dated December 17, 1954.)

(For contracts under $10,000, the following paragraphs do not apply: 13, 14, 15, 17, 18, 19, 22, 27)

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EQUAL OPPORTUNITY CLAUSE

(The following clause is applicable unless this contract is exempt under the rules, regulations, and relevant orders of the Secretary of Labor (41 CFR, Ch. 60))

During the performance of this contract, the Contractor agrees as follows:

(a) The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to, the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Contracting Officer setting forth the provisions of this Equal Opportunity clause.

(b) The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.

(c) The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency Contracting Officer, advising the labor union or workers' representative of the Contractor's commitments under this Equal Opportunity clause, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(d) The Contractor will comply with all provisions of Executive Order No. 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(e) The Contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(f) In the event of the Contractor's noncompliance with the Equal Opportunity clause of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part, and the Contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order No. 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(g) The Contractor will include the provisions of paragraphs (a) through (g) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the contracting agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: Provided, however, That in the event the Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

SERVICE CONTRACT ACT OF 1965 (AS AMENDED)

This contract, to the extent that it is of the character to which the Service Contract Act of 1965 (79 Stat. 1034, 41 U.S.C. 351) applies, is subject to the following provisions and to all other applicable provisions of the Act and regulations of the Secretary of Labor thereunder.

(a) *Compensation*. Each service employee employed in the performance of this contract by the Contractor or any subcontractor shall be paid not less than the minimum monetary wage and shall be furnished fringe benefits in accordance with the wages and fringe benefits determined by the Secretary of Labor or his authorized representative, as specified in any attachment to this contract. If there is such an attachment, any class of service employees which is not listed therein, but which is to be employed under this contract, shall be classified by the Contractor so as to provide a reasonable relationship between such classifications and those listed in the attachment, and shall be paid such monetary wages and furnished such fringe benefits as are determined by agreement of the interested parties, who shall be deemed to be the contracting agency, the Contractor, and the employees who will perform on the contract or their representatives. If the interested parties do not agree on a classification or reclassification which is, in fact, conformable, the Contracting Officer shall submit the question, together with his recommendation, to the Office of Special Wage Standards, Employment Standards Administration (ESA), of the Department of Labor for final determination. Failure to pay such employees the compensation agreed upon by the interested parties or finally determined by the Administrator or his authorized representative shall be a violation of this contract. No employee engaged in performing work on this contract shall in any event be paid less than the minimum wage specified under section 6(a)(1) of the Fair Labor Standards Act of 1938, as amended.

(b) *Adjustment*. If, as authorized pursuant to section 4(d) of the Service Contract Act of 1965, as amended, the term of this contract is more than 1 year, the minimum monetary wages and fringe benefits required to be paid or furnished thereunder to service employees shall be subject to adjustment after 1 year and not less often than once every 2 years, pursuant to wage determinations to be issued by the Employment Standards Administration of the Department of Labor as provided in such Act.

(c) *Obligation to furnish prime benefits*. The Contractor or subcontractor may discharge the obligation to furnish fringe benefits specified in the attachment or determined conformably thereto by furnishing any equivalent combinations of fringe benefits, or by making equivalent or differential payments in cash in accordance with the applicable rules set forth in 29 CFR Part 4, Subparts B and C, and not otherwise.

(d) *Minimum wage*. In the absence of a minimum wage attachment for this contract, neither the Contractor nor any subcontractor under this contract shall pay any of his employees performing work under the contract (regardless of whether they are service employees) less than the minimum wage specified by section 6(a)(1) of the Fair Labor Standards Act of 1938. Nothing in this provision shall relieve the Contractor or any subcontractor of any other obligation under law or contract for the payment of a higher wage to any employee.

(e) *Obligations attributable to predecessor contracts*. If this contract succeeds a contract, subject to the Service Contract Act of 1965, as amended, under which substantially the same services were furnished and service employees were paid wages and fringe benefits provided for in a collective bargaining agreement, then in the absence of a minimum wage attachment for this contract neither the Contractor nor any subcontractor under this contract shall pay any service employee performing any of the contract work less than ~~the~~ wages and fringe benefits, provided for in such collective bargaining agreements, to which such employee would be entitled if employed under the predecessor contract, including accrued wages and fringe benefits and any prospective increases in wages and fringe benefits provided for under such agreement. No Contractor or subcontractor under this contract may be relieved of the foregoing obligation unless the Secretary of Labor or his authorized representative determines that the collective bargaining agreement applicable to service employees employed under the predecessor contract was not entered into as a result of arms-length negotiations, or finds, after a hearing as provided in Department of Labor regulations, 29 CFR 4.10, that the wages and fringe benefits provided for in such agreement are substantially at variance with those which prevail for services of a character similar in the locality.

(f) *Notification to employees*. The Contractor and any subcontractor under this contract shall notify each service employee commencing work on this contract of the minimum monetary wage and any fringe benefits required to be paid pursuant to this contract, or shall post a notice of such wages and benefits in a prominent and accessible place at the worksite, using such poster as may be provided by the Department of Labor.

(g) *Safe and sanitary working conditions*. The Contractor or subcontractor shall not permit any part of the services called for by this contract to be performed in buildings or surroundings or under working conditions provided by or under the control or supervision of the Contractor or subcontractor which are unsanitary or hazardous or dangerous to the health or safety of service employees engaged to furnish these services, and the Contractor or subcontractor shall comply with the safety and health standards applied under 29 CFR Part 1925.

(h) *Records*. The Contractor and each subcontractor performing work subject to the Act shall make and maintain for 3 years from the completion of the work records containing the information specified in subparagraphs (1) through (5) of this paragraph for each employee subject to the Act and shall make them available for inspection and transcription by authorized representatives of the Employment Standards Administration of the U.S. Department of Labor.

(1) His name and address.

(2) His work classification or classifications, rate or rates of monetary wages and fringe benefits provided, rate or rates of fringe benefit payments in lieu thereof, and total daily and weekly compensation.

(3) His daily and weekly hours so worked.

(4) Any deductions, rebates, or refunds from his total daily or weekly compensation.

(5) A list of monetary wages and fringe benefits for those classes of service employees not included in the minimum wage attachment to this contract, but for which such wage rates or fringe benefits have been determined by the interested parties or by the Administrator or his authorized representative pursuant to the Labor Standards clause in paragraph (a) of this clause. A copy of the report required in paragraph (m)(1) of this clause shall be deemed to be such a list.

(i) *Withholding of payment and termination of contract*. The Contracting Officer shall withhold or cause to be withheld from the Government Prime Contractor under this or any other Government contract with the Prime Contractor such sums as he, or an appropriate officer of the Department of Labor, decides may be necessary to pay underpaid employees. Additionally, any failure to comply with the requirements of this clause relating to the Service Contract Act of 1965 may be grounds for termination of the right to proceed with the contract work. In such event, the Government may enter into other contracts or arrangements for completion of the work, charging the Contractor in default with any additional cost.

(j) *Subcontractors*. The Contractor agrees to insert this clause relating to the Service Contract Act of 1965 in all subcontracts. The term "Contractor" as used in this clause in any subcontract, shall be deemed to refer to the subcontractor, except in the term "Government Prime Contractor."

(k) *Service employee*. [illegible]sed in this clause relating [illegible] Service Contract Act of 1965, the [illegible] service em[illegible]eans guards, [illegible]men, and [illegible] engaged [illegible]ized trad[illegible] or other skilled [illegible] or [illegible]skilled, s[illegible]ed, or skilled [illegible]al labor occ[illegible], and any other employee [illegible]ing a foreman or supervisor in a po[illegible] having trade, craft, or laboring [illegible] the paramount requirement and shall [illegible] such persons regardless of any [illegible]ual relationship that may be alle[illegible] to exist between a Contractor or subcontractor [illegible] such persons.

MODIFICATION SEE REVERSE [illegible]

(l) *Comparable rates*. The following classes of service employees expected to be employed under the contract with the Government would be subject, if employed by the contracting agency, to the provisions of 5 U.S.C. 5341 and would, if so employed, be paid not less than the following rates of wages and fringe benefits:

Employee class.

Monetary Wage—Fringe Benefits.

(m) *Contractor's report*. (1) If there is a wage determination attachment to this contract and one or more classes of service employees which are not listed thereon are to be employed under the contract, the Contractor shall report to the Contracting Officer the monetary wages to be paid and the fringe benefits to be provided each such class of service employee. Such report shall be made promptly as soon as such compensation has been determined, as provided in paragraph (a) of this clause.

(2) If wages to be paid or fringe benefits to be furnished any service employees employed by the Government prime Contractor or any subcontractor under the contract are provided for in a collective bargaining agreement which is or will be effective during any period in which the contract is being performed, the Government prime Contractor shall report such fact to the Contracting Officer, together with full information as to the application and accrual of such wages and fringe benefits, including any prospective increases, to service employees engaged in work on the contract, and a copy of the collective bargaining agreement. Such report shall be made upon commencing performance of the contract, in the case of collective bargaining agreements effective at such time, and in the case of such agreements or provisions or amendments thereof effective at a later time during the period of contract performance, such agreements shall be reported promptly after negotiation thereof.

(n) *Exemptions.* This clause relating to the Service Contract Act of 1965 shall not apply to the following:

(1) Any contract of the United States or District of Columbia for construction, alteration, and or repair, including painting and decorating of public buildings or public works;

(2) Any work required to be done in accordance with the provisions of the Walsh-Healey Public Contracts Act (49 Stat. 2036);

(3) Any contract for the carriage of freight or personnel by vessel, airplane, bus, truck, express, railway line, or oil or gas pipeline where published tariff rates are in effect, or where such carriage is subject to rates covered by section 22 of the Interstate Commerce Act;

(4) Any contract for the furnishing of services by radio, telephone, telegraph, or cable companies, subject to the Communications Act of 1934;

(5) Any contract for public utility services, including electric light and power, water, steam, and gas;

(6) Any employment contract providing for direct services to a Federal agency by an individual or individuals;

(7) Any contract with the Post Office Department (U.S. Postal Service), the principal purpose of which is the operation of postal contract stations;

(8) Any services to be furnished outside the United States. For geographic purposes, the "United States" is defined in section 8(d) of the Service Contract Act to include any State of the United States, the District of Columbia, Puerto Rico, the Virgin Islands, Outer Continental Shelf Lands, as defined in the Outer Continental Shelf Lands Act, American Samoa, Guam, Wake Island, Eniwetok Atoll, Kwajalein Atoll, and Johnston Island. It does not include any other territory under the jurisdiction of the United States or any United States base or possession within a foreign country;

(9) Any of the following contracts exempted from all provisions of the Service Contract Act of 1965, pursuant to section 4(b) of the Act, which exemptions the Secretary of Labor, prior to amendment of such section by Public Law 92-473, found to be necessary and proper in the public interest or to avoid serious impairment of the conduct of Government business:

(i) Contracts entered into by the United States with common carriers for the carriage of mail by rail, air (except air star routes), bus, and ocean vessel, where such carriage is performed on regularly scheduled runs of the trains, airplanes, buses, and vessels over regularly established routes and accounts for an insubstantial portion of the revenue therefrom;

(ii) Any contract entered into by the U.S. Postal Service with an individual owner-operator for mail service where it is not contemplated at the time the contract is made that such owner-operator will hire any service employee to perform the services under the contract except for short periods of vacation time or for unexpected contingencies or emergency situations such as illness or accident.

(o) *Special employees.* Notwithstanding any of the provisions in paragraphs (b) through (1) of this clause, relating to the Service Contract Act of 1965, the following employees may be employed in accordance with the following variations, tolerances, and exemptions, which the Secretary of Labor, pursuant to section 4(b) of the Act prior to its amendment by Public Law 92-473, found to be necessary and proper in the public interest or to avoid serious impairment of the conduct of Government business:

(1)(i) Apprentices, student-learners, and workers whose earning capacity is impaired by age, physical, or mental deficiency or injury may be employed at wages lower than the minimum wages otherwise required by section 2(a)(1) or 2(b)(1) of the Service Contract Act of 1965, without diminish: any fringe benefits or cash payments in li thereof required under section 2(a)(2) that Act, in accordance with the procedu: prescribed for the employment of appre tices, student-learners, handicapped perso: and handicapped clients of sheltered wor shops under section 14 of the Fair Lab Standards Act of 1938, in the regulatic issued by the Administrator.

(ii) The Administrator will issue cert: cates under the Service Contract Act of 1: for the employment of apprentices, studer learners, handicapped persons, or han capped clients of sheltered workshops : subject to the Fair Labor Standards Act 1938, or subject to different minimum ra of pay under the two acts, authorizing a propriate rates of minimum wages (but wit out changing requirements concerni fringe benefits or supplementary cash pa ments in lieu thereof), applying procedu: prescribed by the applicable regulations sued under the Fair Labor Standards Act 1938 (29 CFR Parts 520, 521, 524, and 52

(iii) The Administrator will also wit draw, annul, or cancel such certificates accordance with the regulations in Pa 525 and 528 of Title 29 of the Code of Fe eral Regulations.

(2) An employee engaged in an occup tion in which he customarily and regula receives more than $20 a month in tips n have the amount of his tips credited by employer against the minimum wage quired by section 2(a)(1) or section 2(b) of the Act in accordance with the regu tions in 29 CFR Part 531: *Provided, ho ever,* That the amount of such credit n not exceed 80 cents per hour.

REFERENCE paragraph (a): WAGE DETERMINATION: The wage determination in this contract was issued under the provisions of the McNamara-O'Hara Service Contract Act (79 Stat. 1034), and 29 CFR Part 4.3, to establish the minimum wages and fringe benefits which must be paid.

REFERENCE paragraph (k): MODIFICATION: (k), Service Employee is deleted and following inserted in lieu thereof: "Service Employee. As used in this clause relative to the Service Contract Act of 1965, the term "Service Employee" means any person engaged in the performance o: a contract entered into by the United States and not exempted under section 7 of the Act, whether negotiated or advertised, the principle purpose of which is to furnish services in the United States (other than any personemployed in a bona fide executive, administrative, or professional capacity, as those terms are defined in part 541 of title 29, Code of Federal Regulations, as of July 30, 1976, and any subsequent revision of those regulations); and shall include all such persons regardless of any contractual relationship that may be allege to exist between a contractor or subcontractor and such perons."

REFERENCE paragraph (1) Comparable Rates: These rates are for information only, and do not control the rates to be paid under the contract.

EMPLOYEE CLASS	HOURLY MONETARY WAGE	FRINGE BENEFITS (% of BASIC HOURLY RATE)
		Retirement (24.7%), Health Insurance (3.5%) Life Insurance (.5%)

SICK LEAVE PROVIDED BY LAW: 13 days of sick leave per year.

PAID HOLIDAYS PROVIDED BY LAW: Following 9 days plus any other day designated as a holiday b Federal Statute or Executive Order: New Year's Day; Washington's Birthday; Memorial Day; Independence Day; Labor Day; Columbus Day; Veterans Day; Thanksgiving Day, and Christmas Day

PAID LEAVE OR VACATIONS AS PROVIDED BY LAW: Less than 3 years service-2 hours per week per employee; over 3 but less than 15 years service, 3 hours per week per employee; 15 or more years of service, 4 hours per week per employee. Jury service paid.

☆U.S.GPO:1975-0-210-864/99

OFFICIAL WAGE DETERMINATION

The United States Department of Labor has determined that as of June 12, 1979, there is no wage determination applicable to the specified locality and classes of employees, i.e., industrial hygienists.

VALUE INCENTIVE CLAUSE

(Service or Term Contract)

1. *INTENT AND OBJECTIVES*—This clause applies to any cost reduction proposal (hereinafter referred to as a Value Change Proposal or VCP) initiated and developed by the Contractor for the purpose of changing any requirement of this contract. This clause does not, however, apply to any such proposal unless it is identified by the Contractor, at the time of its submission to the Government, as a proposal submitted pursuant to this clause.

1.1 Deviations to a solicitation suggested by offerors and accepted by the Government prior to award will not qualify for value incentive sharing under the terms of this clause.

1.2 VCP's contemplated are those that would result in net savings to the Government by providing either: (1) a decrease in the cost of performance of this contract, or; (2) a reduction in the cost of ownership (hereinafter referred to as collateral costs) of the work provided by this contract, regardless of acquisition costs. VCP's must result in savings without impairing any required functions and characteristics such as service life, reliability, economy of operation, ease of maintenance, standardized features, esthetics, fire protection features and safety features presently required by this contract. However, nothing herein precludes the submittal of VCP's where the Contractor considers that the required functions and characteristics could be combined, reduced or eliminated as being non-essential or excessive to the satisfactory performance of the work involved.

1.3 A VCP identical to one submitted under any other contract with the Contractor or another Contractor may also be submitted under this contract.

2. *SUBCONTRACTOR INCLUSION*—The Contractor shall include the provisions of this clause, with a provision for sharing arrangements that meet or exceed the minimum percentage contained herein, in all subcontracts in excess of $25,000, and in any other subcontract which, in the judgment of the Contractor, is of such nature as to offer reasonable likelihood of value change proposals. At the option of each Subcontractor, this clause may be included in lower tier subcontracts. The Contractor shall encourage submission of VCP's from Subcontractors; however, it is not mandatory that VCP's be submitted nor is it mandatory that the Contractor accept and/or transmit to the Government VCP's proposed by his Subcontractor.

3. *DATA REQUIREMENTS*—As a minimum, the following information shall be submitted by the Contractor with each VCP:

3.1 A description of the difference between the existing contract requirement and the proposed change, and the comparative advantages and disadvantages of each; including justification where function or characteristic of the work is being reduced;

3.2 Separate detailed cost estimates for both the existing contract requirement and the proposed change, and an estimate of the change in contract price including consideration of the costs of development and implementation of the VCP and the sharing arrangement set forth in this clause;

3.3 An estimate of the effects the VCP would have on collateral costs to the Government, including an estimate of the sharing that the Contractor requests be paid by the Government upon approval of the VCP;

3.4 Technical, engineering or other analysis in sufficient detail to identify and describe each requirement of the contract which must be changed if the VCP is accepted, with recommendation as to how to accomplish each such change and its effect on unchanged work;

3.5 A statement of the time by which approval of the VCP must be issued by the Government to obtain the maximum cost reduction noting any effect on the contract completion time or delivery schedule; and

3.6 Identification of any previous submission of the VCP including the dates submitted, the agencies involved, the numbers of the Government contracts involved, and the previous actions by the Government, if known.

4. *PROCESSING PROCEDURES*—Six copies of each VCP shall be submitted to the Contracting Officer, or his duly authorized representative. VCP's will be processed expeditiously; however, the Government will not be liable for any delay in acting upon a VCP submitted pursuant to this clause. The Contractor may withdraw, in whole or in part, a VCP not accepted by the Government within the period specified in the VCP. The Government shall not be liable for VCP development cost in the case where a VCP is rejected or withdrawn. The decision of the Contracting Officer as to the acceptance of a VCP under this contract shall be final and shall not be subject to the "Disputes" clause of this contract.

4.1 The Contracting Officer may modify a VCP, with the concurrence of the Contractor, to make it acceptable, and, the Contractor's share will be based on the VCP as modified.

4.2 Pending acceptance of a VCP in whole or in part, the Contractor shall remain obligated to perform in accordance with the terms of the existing contract.

4.3 An approved VCP shall become effective through written notice and/or issuance of an equitable adjustment in the contract price and time of performance by a contract modification pursuant to the provisions of this clause bearing a notation so stating.

5. *COMPUTATIONS FOR CHANGE IN COST PERFORMANCE*—Separate estimates shall be prepared for both the existing contract requirement and the proposed change. Each estimate shall consist of an itemized breakdown of all costs of the Contractor and all Subcontractors' work in sufficient detail to show unit quantities and costs of labor, material, and equipment.

5.1 Contractor development and implementation costs for the VCP shall be included in the estimate for the proposed change. However, these costs will not be allowable if they are otherwise reimbursable as a direct charge under this contract.

5.2 Government costs of processing or implementation of a VCP shall not be included in the estimate.

5.3 If the difference in the estimates indicates a net reduction in contract price, no allowance will be made for overhead, profit, and bond. Benefits accruing from reduction in interest and other finance charges (if any) resulting from a VCP shall be allowed for in the estimate. The resultant net reduction in contract cost of performance shall be shared as stipulated hereinafter.

5.4 If the difference in the estimates indicate a net increase in contract price, the price shall be adjusted pursuant to an equitable adjustment that will include Contractors overhead and profit on his additional work or the additional work of one of his subcontractors.

6. *COMPUTATIONS FOR COLLATERAL COSTS*—Separate estimates shall be prepared for collateral costs of both the existing requirement and the proposed change. Each estimate shall consist of an itemized breakdown of all costs and the basis for the data used in the estimate. Cost benefits to the Government include, but are not limited to: reduced costs of operation, maintenance or repair, reduction to future service requirements, and reduction in the requirements for Government furnished property. Increased collateral costs include the converse of such factors. Computation shall be as follows:

6.1 Costs shall be calculated over a 10-year period on a uniform basis for each estimate and shall include Government costs of processing or implementing the VCP.

6.2 If the difference in the estimates as approved by the Government indicate a savings, the Contractor shall divide the resultant amount by 10 to arrive at the average annual net collateral savings. The resultant savings shall be shared as stipulated hereinafter.

6.3 In the event that agreement cannot be reached on the amount of the estimated collateral costs the Contracting Officer shall determine the amount. In either case, the Contracting Officer's decision will be final and not subject to the provisions of the "Disputes" clause of this contract.

7. *SHARING ARRANGEMENTS*—If the VCP is accepted by the Government, the Contractor is entitled to share in instant contract savings and collateral savings not as alternatives, but rather to the full extent provided for in this clause. For the purposes of sharing under this clause, the term "instant contract" will include any changes to or other modifications of this contract, executed subsequent to acceptance of the particular VCP, by which the Government increases the quantity of any item of work or adds any item of work. It will also include any extension of the instant contract through exercise of an option (if any) provided under this contract after acceptance of the VCP.

7.1 When only the prime Contractor is involved, he shall receive 50% and the Government 50% of the net reduction in the cost of performance of this contract.

7.2 When a Subcontractor is involved, he shall receive a minimum of 30% and the Government a fixed 40% of the net reduction in the cost of performance of this contract. Other Subcontractors shall receive a portion of the first-tier Subcontractors savings in accordance with the terms of their contract with the first-tier Subcontractor.

7.3 When collateral savings occur, the Contractor shall receive 20% of the average one years net collateral savings.

7.4 The Contractor shall not receive instant savings or collateral savings shares on optional work listed in this contract, until the Government exercises its option to obtain that work.

8. *ADJUSTMENT TO CONTRACT PRICE*—The method for payment of instant savings shares, collateral savings shares, or price increase shall conform to one or more of the following options as may be agreed upon by the Contracting Officer and the contractor prior to approval of the VCP.

8.1 Option 1. Reduce the contract price or lump sum payment for changed work by the Governments share of the net reduction in cost of performance.

8.2 Option 2. Increase the contract price or make a lump sum payment to provide for contractor collateral savings shares or pay for increased work.

8.3 Option 3. Reduce the current contract unit prices by the Governments unit price share of the net reduction in cost of performance.

8.4 Option 4. Make lump sum payment for the contract-share of reductions in future quantities of work agreed not to be ordered under the contract.

8.5 Option 5. Provide for reduced new unit prices and quantities of new work reflecting the Governments savings share.

8.6 Option 6. Provide for a period of free service equivalent to the Governments share of savings.

9. *DATA RESTRICTION RIGHTS*—The contractor may restrict the Government's right to use any sheet of a VCP or the supporting data, submitted pursuant to this clause, in accordance with the terms of the following legend if it is marked on each such sheet:

> The data furnished pursuant to the Value Incentive Clause of contract No. _____ shall not be disclosed outside the Government for any purpose other than to evaluate a VCP submitted under said clause. This restriction does not limit the Government's right to use information otherwise available, from the contractor or from another source without limitations, or if release of the data is required under the Freedom of Information Act.

In the event of acceptance of a VCP, the Government shall have the right fully to utilize such proposal on this and any other Government contract.

SCHEDULE OF REQUIREMENTS

The services to be furnished, the Specifications, the time and place of performance and any other Special Terms and Conditions applicable to the Invitation for Bids, are set forth below and in attached Specifications and General Provisions.

Furnish materials removal at the Federal Supply Service Laboratory located at the old National Bureau Of Standards, Washington, DC, in accordance with the Scope of Work.

ADDITIONAL BIDDER QUALIFICATIONS: In addition to the Offeror qualifications as described in Paragraph 4 - Qualifications of Offerors (GSA Form 1467A), bidders must be able to show satisfactory performance within the past two years in the specific area of removal of hazardous wastes as those specified in the Scope of Work.

TERM OF CONTRACT: The contract shall be completed within 15 days of Notice To Proceed.

PERFORMANCE BOND: The bidder to whom the award is made shall furnish a Performance Bond (U.S. Standard Form No. 25) or other acceptable collateral for the protection of the Government, in an amount representing twenty (20%) percent of the contract price for the term of the contract within fifteen days after the prescribed form is presented to him for signature. Said period will be extended only upon presentation to the Contracting Officer within said period of reasons which in the opinion the Contracting Officer justify an extension; and no extension of more than ten (10) days will be granted. If said bond is not received within said period, the Government will proceed to have the work required by the specifications performed by any means at its command, and any excess cost to the Government will be charged against the bidder to whom the award was originally made.
NOTE: PERFORMANCE BOND REQUIREMENT IS ONLY FOR AWARDS OVER $10,000.

LEGAL REQUIREMENTS AND PERMITS: The Contractor shall procure at his own expense all necessary licenses and permits and shall conform to all laws, regulations and ordinances applicable to the performance of the contract.

QUALIFICATIONS OF EMPLOYEES: All employees assigned by the Contractor to the performance of work under this contract shall be physically able to do their assinged work and shall be free from any communicable disease. Employees shall be capable and experienced in this type of work and shall be familiar with and subject to the requirements of the specifications and terms and conditions of the contract.

All persons employed under this contract shall be subject to such Government regulations as are applicable during the time spent on Government property.

SCHEDULE OF REQUIREMENTS CONTINUED. . .

The Contracting Officer may require the Contractor to dismiss from the work such employees as the Contracting Officer deems incompetent, careless, insubordinate, or otherwise objectionable or whose continued employment on the work is deemed by the Contracting Officer to be contrary to the public interest or inconsistent with the best interest of national security.

CONDUCT OF CONTRACTOR'S EMPLOYEES: The Contractor shall require his employees to comply with the instructions pertaining to conduct and other regulations, called to the Contractor's attention by the Buildings Manager, guards, inspectors, etc.

CONDUCT OF WORK: The personnel employed by the Contractor shall be capable employees qualified in this type of work. As stated elsewhere, the Contractor shall be responsible for, among other things, all damage to Government property resulting from those operations. Damage to the building or its equipment by the activities of his employees will fall in this category.

CONTRACTOR'S RESPONSIBILITY: The Contractor shall be responsible for all damages to persons or property that occur as a result of his fault or negligence as well as that resulting from acts of his employees, agents and subcontractors and he shall save and keep harmless the Government against any or all lost cost, damage claims, expenses or liability in connection with the performance of this contract.

CONTRACTOR'S FAILURE TO PERFORM: The Contractor shall be prepared to perform the services when requested or scheduled. If the Contractor fails to perform within the prescribed time, the Government reserves the right to have these services performed by other means and the Contractor shall be liable to the Government for any excess costs for such services.

SCHEDULE OF REQUIREMENTS

NOTICE: In support of the Nation's War on Poverty, your firm may be interested in the availability of qualified entry-level workers through the Job Corps Placement Program. By actively participating in this program it will be helping the War on Poverty. If you are interested and desire details, please write to the Placement Division, Job Corps, Office of Economic Opportunity, Washington, DC 20506. THIS IS NOT A CONTRACT REQUIREMENT.

PAYMENT: Payment will be made upon receipt of an invoice for services satisfactorily performed. Submit invoice to the following address:

General Services Administration
Public Buildings Service (WPOA)
Att: P. Gillson
Washington, DC 20407

INSURANCE: The Contractor shall carry Workmen's Compensation, Public Liability and Property Damage Insurance as may be required by law. The Contractor or persons employed by him are not employees of the Federal Government and in the event of injury or death on the job, neither the Contractor nor any such person comes within the purview of the Federal Compensation Act.

SECURITY QUESTIONNAIRE: The Contractor shall submit the name and address of each of his employees employed on the work of the contract and cause to be filled out for submission to the Government, a questionnaire and other forms as may be required for security, if and when requested by the Contracting Officer, and take any steps necessary for securing any required clearances.

SCOPE OF WORK

1. The purpose of this contract is to obtain the services of an industrial hygiene firm to test and evaluate fireproofing material and other suspect material, in 3 General Services Administration (GSA) buildings for asbestos content and possible building air contamination. This will include testing bulk and air samples and recommending corrective action. On the basis of air and bulk samples, the contractor shall assess the health risk incurred by the amount of asbestos which was found and tested in the affected buildings.

2. Areas to be inspected for asbestos shall include hallways, lobby areas, conference and mechanical rooms, office space, shops or any areas where fireproofing or other suspect material which may affect the air. Any work area in which an employee may contact fireproofing material and other suspect material shall be tested.

3. Total testing should include three outside air samples, six bulk samples and 15 building air samples. Time required to test each building will be approximately three days. The contractor will provide a written report of the findings and make necessary recommendations concerning building renovation and medical testing if appropriate.

4. GSA will provide structural, mechanical and space allocation drawings as required. All work shall be completed within 30 days of award of contract.

5. Buildings tested under this contract shall include the New Executive Office Building, 716 Jackson Place, NW; the Old Executive Office Building, 17th and Pennsylvania Avenue, NW; U.S. Court of Claims, 717 Madison Place, NW, Washington, D.C.

6. Analysis of samples and hazard evaluation shall be done in accordance with approved industrial hygiene practices and procedures contained in the EPA document: "SPRAYED ASBESTOS-CONTAINING MATERIALS IN BUILDINGS: A GUIDANCE DOCUMENT."

7. Any asbestos exposures which exceed OSHA, NIOSH or EPA standards shall be reported.

STANDARD FORM 30, JULY 1966
GENERAL SERVICES ADMINISTRATION
FED. PROC. REG. (41 CFR) 1-16.101

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

PAGE 1 OF 19

1. AMENDMENT/MODIFICATION NO.	2. EFFECTIVE DATE	3. REQUISITION/PURCHASE REQUEST NO.	4. PROJECT NO. (If applicable)
AMENDMENT #1	6-19-79	GS-03C9-0861	Asbestos Study

5. ISSUED BY CODE

General Services Administration
National Capital Region
Public Buildings Service (WPOC)
Washington, DC 20407

6. ADMINISTERED BY (If other than block 5) CODE

7. CONTRACTOR NAME AND ADDRESS CODE FACILITY CODE

Martin Marietta Laboratories
ATT: Bill Harris
1450 Rolling Road
Baltimore, MD 21227

(Street county, and Zi Code)

8. ☐ AMENDMENT OF SOLICITATION NO. GS-03C9-0861
DATED 6-18-79 (See block 9)
☐ MODIFICATION OF CONTRACT/ORDER NO. _____
DATED _____ (See block 11)

9. THIS
☒ The above numbered solicitation is amended as set forth in block 12. The hour and date specified for receipt of Offers ☐ is extended, ☒ is not extended.

Offerors must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation, or as amended, by one of the following methods: (a) By signing and returning 1 copies of this amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or tele which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE ISSUING OFFICE PRIOR TO THE HOUR DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If, by virtue of this amendment you desire to change an offer already submitted, such change may be made by tele or letter, provided such telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

10. ACCOUNTING AND APPROPRIATION DATA (If required)

11. THIS BLOCK APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS
(a) ☐ This Change Order is issued pursuant to _____
The Changes set forth in block 12 are made to the above numbered contract/order.
(b) ☐ The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation data, etc.) set forth in block 12.
(c) ☐ This Supplemental Agreement is entered into pursuant to authority of _____
It modifies the above numbered contract as set forth in block 12.

12. DESCRIPTION OF AMENDMENT/MODIFICATION Offerors are requested to sign and return this sheet with thei bid, or otherwise acknowledge receipt by letter or notation on the bid sheet.

- Summary of pre-bid meeting is made part of this amendment.

- PAGE 22 - SCOPE OF WORK

- ITEM #1 -- Remove the words "... and other suspect material " from line 3.

- ITEM #2-- Remove the words " --- or other suspect material" from line 3 and 5.

-ITEM #3--Change line 1 to read: "Total testing should include 12 outside air samples, 12 bulk samples and 20 air samples.

-ITEM #4 --This change increases the number of outside and bulk samples.

- ITEM #8 -- This item is added: "The NIOSH report and attachments are hereby addec this solicitation (Total of 16 pages) and are a part of this amendment.

Except as provided herein, all terms and conditions of the document referenced in block 8, as heretofore changed, remain unchanged and in full force and effect.

13. ☐ CONTRACTOR/OFFEROR IS NOT REQUIRED TO SIGN THIS DOCUMENT ☐ CONTRACTOR/OFFEROR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN _____ COPIES TO ISSUING OFFIC

14. NAME OF CONTRACTOR/OFFEROR
BY David C. Miller
(Signature of person authorized to sign)

17. UNITED STATES OF AMERICA
BY John C. Zolla
(Signature of Contracting Officer)

15. NAME AND TITLE OF SIGNER (Type or print)
David C. Miller

16. DATE SIGNED
7/11/79

18. NAME OF CONTRACTING OFFICER (Type or print)

19. DATE SIG

Safety, Environment and Fire Protection Branch - WPYG
7th & D Streets, SW
Washington, DC 20407
Phone: 202-708-5257
Fax: 202-708-6618/6207

GSA - NCR/PBS

Fax

To:	Kerry Bonos - WPG	**From:**	Timothy Sleeth
Phone:	202-395-3675	**Date:**	November 15, 2002
Fax:	202-395-4546	**Pages:**	3
Re:	GSA/NCR Asbestos Control Permit	**CC:**	N/A

☐ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

•Comments:

Please see the attached copy of GSA Asbestos Control Permit **03-015** for your review and approval. Please complete the information requested in Block 11, and return the signed copy by FAX to this office for further processing.

Thank you,

Timothy Sleeth, Industrial Hygienist

Attachment(s)

PERMIT NUMBER 03-015

GSA NATIONAL CAPITAL RETION ASBESTOS CONTROL PERMIT
(POST SIGNED COPY AT JOB SITE)

(1) BUILDING NAME: NEOB
GSA BUILDING NUMBER: DC010522
BUILDING STREET ADDRESS: 725 17th St., N.W.
CITY, STATE, AND ZIP CODE: Washington, D.C.

(2) A. BRIEF DESCRIPTION (ATTACHED DESCRIPTION OR FLOOR PLAN, AS NECESSARY AND AVAILABLE) Remove Fireproofing vaults 1 2 3 and Switch gear room

B. OSHA ACM ACTIVITY: CLASS I ✓ CLASS II ___ CLASS III ___ CLASS IV ___
C. ENVIRONMENTAL CONTROL METHOD? ___ GLOVEBAG ___ CONTAINMENT: ✓
D. LINEAR FT PIPE: ___ SQUARE FEET INSULATION: 5000.-

(3) WHEN IS THIS JOB TO START? 11-25-02 FINISH? 2-25-03
(4) SCHEDULED WORKING HOURS OF ABATEMENT WORKERS: Weekends 7 To 5
(5) CONTACT REGARDING THE SPECIFICATION, NAME: Lee Thomas
CONTRACT NUMBER: 230700 PHONE: 301 937 5544
(6) ESTIMATED OR ACTUAL COST OF THIS ABATEMENT $ 130,000.-
(7) CONTRACTORS:
GENERAL: Grunley walsh JV ASBESTOS: TBN Assoc.
ADDRESS: Rockville MD ADDRESS: Beltsville MD
PHONE: 301 881 8081 PHONE: 301 937 5544
SUPERVISOR: Bassem H SUPERVISOR: Lee Thomas

(8) DEBRIS HAULED BY: Service Transport TO: BFI Landfill
ADDRESS: Bristol PA ADDRESS: Imperial PA
PHONE: 877 9999559 PHONE: 724 6950990

(9) AIR MONITORING:

	CONTRACTOR'S MONITOR	GSA'S MONITOR
NAME OF FIRM:	Seneca Health and Safety	SaLUT
PERSON TO CONTACT:	Dave Lyles	Joyce Walker
PHONE NUMBER:	301 947 6681	301-595-3783

(10) TENANT: OMB/GSA CONTACT'S NAME: Kerry Bonos
AGENCY: ___ PHONE: 202-395-3675

(11) ASBESTOS PROGRAM MANAGER (APM) REVIEW:
EMERGENCY (INITIAL) ___ PHONE: ___
SIGNATURE: ___ DATE: ___

(12) GSA SAFETY, ENVIRONMENT AND FIRE PROTECTION BRANCH REVIEW (WPYG)
EMERGENCY (INITIAL) ___ PHONE: ___
SIGNATURE: ___ DATE: ___

(13) ASSISTANT REGIONAL ADMINISTRATOR, PUBLIC BUILDING SERVICES

(WP) APPROVAL SIGNATURE: ___ DATE: ___

RETURN TO: GSA SAFETY, ENVIRONMENT AND FIRE PROTECTION BRANCH (WPYG)
ROB RM 2080
WASHINGTON DC 20407

NOTIFICATION: ___ EPA: ___
DEMO: ___ DC: ___
RENO: ___ MD: ___
LF: ___ SF: ___ VA: ___

(FOR INFORMATION PHONE: 708-5236 / FAX 708-6618 OR AFTER HOURS 708-1111)

General Services Adminstration National Capital Region
Safety, Environmental, & Fire Protection Branch (WPYG)

NOVEMBER 13, 2002

MEMORANDUM FOR: GALEN GREEN
POTOMAC SERVICE CENTER (WPW)

FROM: TIMOTHY SLEETH
SAFETY, ENVIRONMENT AND
FIRE PROTECTION BRANCH (WPYG)

SUBJECT: PRE AND POST-AWARD ASBESTOS/PCB
FLOORING ABATEMENT SUBMITTALS
GS-11P98MQD0108
TRANSFORMER AND SWITCHGEAR
REPLACEMENT
NEW EXECUTIVE OFFICE BUILDING (NEOB)
725 17TH STREET, NW
WASHINGTON, DC

The October 28, 2002, Pre and Post-Award Asbestos and PCB Flooring Abatement Submittals and Revised Work Plan(Dated November 7, 2002), from Grunley-Walsh Joint Venture, for TBN Associates, Inc., have been reviewed and are sufficient for approval.

If you should have any questions, please contact me at (202) 708-5257.

Asbestos and Polychlorinated Biphenyls Abatement Plan
New Executive Office Building
Federal Office Building No. 7
Washington, DC

Hazardous Material General Notes **Revised 11/7/02**

There are asbestos removal requirements associated with this project. The sprayed-on fireproofing at the ceiling of vaults number 1, 2 and the primary switchgear room are asbestos containing material (ACM). The underlying floor tile in vaults 1, 2 and 3 are ACM. Areas where the work is to be performed have been assessed and generally are free of lead-based paint (LBP). However, all personnel performing demolition, removal, and installation work will exercise caution and be alert of the possibility that LBP may be present in some of the work areas. Should TBN Associates, Inc. (TBN) suspect the presence of asbestos or LBP that may interfere with the work in any areas not identified on the drawings, TBN will stop work immediately and notify the contracting officer's representative. The housekeeping pads and concrete floors within the containment curbs are assumed to be polychlorinated biphenyl (PCB)-contaminated in all substation rooms. The transformers have had PCB oil leaks on the floors. To ensure the safety and health of the contractor, all substation rooms shall be assumed to have PCB-contaminated concrete within the transformer containment curbs. The General Notes in the drawing assume the floor tile is contaminated with PCB. However, the contracting officer stated during the walk-through that the floor tile will not be considered to be PCB-contaminated.

Asbestos Abatement Work Plan

This asbestos abatement work plan outlines procedures to be followed by TBN while conducting removal of ACM from the New Executive Office Building (NEOB), Federal Office Building No. 7, Washington, DC.

The removal will consist of floor tile and sprayed-on fireproofing from within three different transformer and switchgear rooms in the basement level of the NEOB. These three rooms will be divided into numerous manageable phases. All removal will occur within a negative pressure enclosure.

1.0 Removal of ACM from Within Asbestos Work Areas

The U.S. Environmental Protection Agency (EPA)-certified, District of Columbia-licensed asbestos abatement supervisor will review any available floor plans, emergency evacuation route diagrams, or other information related to appropriate emergency egress routes for all work areas on the site. An emergency egress route shall then be selected based on this information. The selected emergency evacuation route for each work area shall be communicated to the work force at the beginning of each shift and posted at the decontamination chamber. The asbestos abatement supervisor will review this abatement plan, the scope of work, and all appropriate contract documents before arriving on site.

The work crew will bring all equipment and materials on site and take these items and project waste off site using routes designated by the contracting officer. The project supervisor will submit material safety data sheets (MSDS) for all products brought on-site for pre-approval by the contracting officer prior to use.

2.0 Work Area Preparation

All removable furniture and equipment will be removed from the work areas before preparation activities begin. All heating, ventilation, and air conditioning (HVAC) supply and exhaust openings, doors, windows, and other penetrations into the work areas will be properly sealed with 6-mil polyethylene sheeting and duct tape. The work crew will maintain barriers intact daily until the entire project is completed and final clearance is achieved.

A decontamination chamber for each area of work will be constructed in an area approved by the project technical representatives [General Services Administration (GSA) appointed industrial hygienist]. All personnel entering the work areas will use proper personal protective equipment (PPE) and utilize the decontamination chamber upon exit from the work area.

Air filtration devices (AFDs) using high-efficiency particulate air (HEPA) filters will be set up in locations within the work areas that will maximize air flow and generate a negative pressure within the work area. The AFDs will be operated continuously throughout the removal project. A negative pressure of at least negative 0.03 inch of water column will be maintained within the work area until after final clearance.

Regulated areas will be established and demarcated in accordance with 29 Code of Federal Regulations (CFR) 1926.1101(e)(3) and 1926.1101(K)(6). The signs will conform to the format requirements of these Occupational Safety and Health Administration (OSHA) standards. The signs will read:

DANGER
ASBESTOS
CANCER AND LUNG DISEASE HAZARD
AUTHORIZED PERSONNEL ONLY
RESPIRATORS AND PROTECTIVE CLOTHING
ARE REQUIRED IN THIS AREA

Work areas constructed for the removal of asbestos thermal system insulation will consist of mini-containments and/or full containments as the quantity and location of materials in each work area dictates.

3.0 Personnel Safety

In accordance with OSHA standard 29 CFR 1926.1101, the EPA-certified asbestos abatement supervisor will be designated as the "competent person" to oversee the asbestos abatement operations. The competent person will have the authority to

suspend operations if proper practices or regulations are not observed and maintained. Work will resume only after any situation is corrected.

Alternative control methods for Class I work will be approved and certified in writing by a licensed project designer in accordance with 29 CFR 1926.1101(g)(6).

During the removal phase of the project, and before final clearance air sampling, all personnel working inside of the work areas will wear the following PPE:

- full-body disposable coveralls with attached boots (Tyvek® or equivalent),
- disposable gloves, and
- National Institute of Occupational Safety and Health (NIOSH)-approved respiratory protective equipment with HEPA cartridges.

The respirators shall be selected to conform with the requirements of Table D-4 of OSHA standard 29 CFR 1926.1101, and shall be fit tested in accordance with OSHA standard 29 CFR 1910.134. Adjustments of the respiratory protective equipment will be permitted only inside the clean area within the decontamination chamber.

All employees involved in the removal of ACM will receive safety training in accordance with OSHA standard 29 CFR 1926.1101. The training curriculum provided will satisfy the requirements of the EPA's Model Accreditation Program and the regulations of the District of Columbia. If other contractors or trades people are working on the same job site, they will be notified that asbestos abatement operations are taking place, as required under OSHA standard 29 CFR 1926.1101.

4.0 Work Area Isolation

The asbestos removal work areas will be sealed by erecting barriers of 6-mil thickness polyethylene plastic sheeting at all entrances and exits. The plastic sheeting will be sealed with waterproof duct tape and spray adhesive. The decontamination unit will consist of three discreet chambers, each with an overlapping plastic door and a separation distance of at least three feet. The plastic sheeting used to construct the air locks will be weighted so that the sheets close quickly when released.

The walls in the full containment work areas will be covered with six-mil-thick polyethylene sheeting and secured with waterproof duct tape.

All plastic barriers in the work areas will be maintained daily throughout the project. At the beginning of each work period, the enclosures will be visually inspected and any damage or defects in the barriers will be corrected. Inspections will be made at least daily during the project to assure that the integrity of the barriers is maintained.

Special care will be taken when sealing HVAC equipment, lighting fixtures, and electrical panels. All electrical and HVAC items that can be taken off line should be prior to sealing with polyethylene sheeting. All critical barriers shall be installed and verified airtight. Live electrical panels shall be boxed out with wood framing prior to sealing with

polyethylene in order to keep the sheeting from close proximity to hot equipment, and to allow for air circulation.

5.0 Decontamination Chamber

Decontamination chamber units with a separate dirty/equipment room, shower room, and a clean room will be provided. Decontamination chambers will be directly attached to full containment work areas whenever feasible. Decontamination chambers will be located remotely, but as close as feasible to all other work areas. Asbestos-contaminated protective clothing will be removed in the equipment room (while still wearing respiratory protection) and will be bagged as contaminated waste. Respirators will be worn into the shower and will be cleaned and removed in the shower. All workers leaving the work area will take a shower.

6.0 Work Practices

When feasible, all ACM will be sprayed with amended water prior to and throughout the removal process. The wetting agent will be mixed in proportions consistent with the manufacturer's instructions. In this particular case, the work areas house high voltage equipment. The use of water will cause an unsafe work environment. The contractor shall obtain a variance to conduct dry removal of ACM.

Contaminated waste disposal containers will be placed in appropriate areas for use during removal. Damp rags will be used after the material is removed to assure that no visible residue remains.

As each section of the ACM is removed, the waste containers will have water sprayed inside to further control dust generation. All removed ACM and asbestos-contaminated disposal suits and other gear will be placed in approved disposal bags prior to transfer through the airlock system. The containers will be properly labeled in accordance with OSHA standard 29 CFR 1926.1101, and Washington, DC regulations. Labels will read:

DANGER
CONTAINS ASBESTOS FIBERS
AVOID CREATING DUST
CANCER AND LUNG DISEASE HAZARD

All removed ACM and asbestos-contaminated disposal suits and other gear will be placed in approved 6-mill thick opaque polyethylene disposal bags (double bagged and labeled), removed from the work area, and transported off site to a temporary or permanent disposal site at the end of the work shift or as approved by the technical representative.

After cleaning twice with a damp cloth, all surfaces having been in contact with asbestos will be treated with an encapsulant to permanently bind any remaining asbestos fibers and prevent their becoming airborne. All areas exposed to asbestos prior to the setup of the work areas will be wet cleaned and encapsulated.

7.0 Decontamination of Contaminated Materials and Personnel

Immediately following removal and containment of ACM, workers will remove sealed waste bags from the work areas (by way of the decontamination chamber if applicable). All non-disposable tools and equipment will be decontaminated prior to removal from the work areas. The waste bags will be properly disposed following work area final clearance. The AFDs will be thoroughly cleaned and decontaminated, and the filters shall be disposed as contaminated waste. All waste materials will be properly disposed in an EPA-approved waste site in accordance with all applicable federal and District of Columbia regulations.

8.0 Medical Exams

Employees involved in asbestos removal operations will be offered a comprehensive medical examination in accordance with OSHA standard 29 CFR 1926.1101 and its appendices. The medical examination shall include:

- an occupational history,
- determination whether the examinee smokes,
- respiratory history development,
- forced vital capacity test,
- forced expiratory volume (FEB-1) test, and
- chest x-ray (14- by 17-inch posterior/anterior).

The examining physician will certify in writing that the examined employee is capable of working while wearing a negative pressure facepiece respirator. If the physician discovers any respiratory problems, the employee will be removed from further asbestos-related work. Records of employee physical examinations will be maintained for a period of at least 30 years, in accordance with the requirements of OSHA standard 29 CFR 1926.1101 and 20 CFR 1910.20.

9.0 Equipment

The following equipment will be used during asbestos abatement operations.

- Water sprayer - an airless low pressure sprayer.
- Vacuum cleaner – a HEPA vacuum cleaner that meets applicable American National Standards Institute (ANSI) standards.
- Local exhaust system – AFDs equipped with HEPA filter stage that meets ANSI standards and OSHA requirements.
- Respirators – selection of respiratory protective equipment shall be dependent on the particular asbestos abatement operation and shall be approved by a Certified Industrial Hygienist (CIH).

10.0 Accident Prevention

Caution will be exercised at all times for the protection of persons (including employees) and property from hazards.

11.0 Air Monitoring

In accordance with OSHA standard 29 CFR 1926.1101, air monitoring will be conducted during the initial startup of all removal operations. The GSA industrial hygienist will conduct air monitoring and provide project oversight. Ambient air samples will be collected within the work area and outside the work areas in adjacent spaces. The contractor's industrial hygienist will perform exposure measurements. Exposure measurements will consist of personal monitoring representing the employees' eight-hour breathing zone exposure and 30-minute short-term exposure limit sampling.

Workers will at no time be exposed to eight-hour time-weighted average (TWA) breathing zone levels of asbestos fibers (longer than five microns with a three to one aspect ratio) in excess of 0.1 fiber per cubic centimeter (f/cc), or above 1.0 f/cc as a 30-minute short-term exposure, in accordance with OSHA standard 29 CFR 1926.1101. All air samples will be analyzed on site using the NIOSH 7400 Method or equivalent, and the analyses will be performed by laboratory analysts who successfully participate in the NIOSH Proficiency Analytical Testing (PAT) program.

Prior to releasing a regulated area, the industrial hygienist will perform a visual inspection for asbestos residue. After a satisfactory visual inspection, post-abatement clearance testing will be conducted in accordance with District Columbia regulations. The post abatement clearance samples requiring analysis using transmission electron microscopy (TEM) will be performed in accordance with District of Columbia regulations.

12.0 PCB Contaminated Paint Abatement Plan

All abatement activities will be performed in full compliance with applicable OSHA regulations (CFR 29 Parts 1910.1025, OSHA General Industry for Lead; 1926, OSHA Construction; 1926.62, OSHA Lead in Construction), applicable EPA regulations (40 CFR 260-299, EPA Resource Conservation and Recovery Act; and 40 CFR 300-399, EPA Comprehensive Environmental Response Compensation and Liability Act) and U.S. Department of Transportation (DOT) regulations 40 CFR 171-180: DOT Hazardous Material Regulations.

13.0 Work Activities

The primary project activity presenting a potential risk of exposure is the removal of PCB contaminated paint. TBN's EPA-trained abatement workers will perform this activity.

The paint removal will involve PCBs. The specifications indicate that the paint on the pads and curbs contains PCBs. These items may have come in contact with

small amounts of leaking oils and, therefore, are being removed as possibly PCB-contaminated.

TBN will have personnel trained in OSHA's 40-hour hazardous waste operations and emergency response (HAZWOPER) on site at all times. These trained personnel will be responsible for identifying and overseeing potential PCB hazards and wastes.

Paint removal will occur on designated areas of the concrete pads and floors and other components and equipment. During renovation, the building will be occupied. Abatement and/or demolition activities will comply with submittal information and precautions will be taken to protect building occupants and unaffected adjacent areas from exposure to contaminated dust.

TBN will remove the paint from the concrete pads and curbs by using "Peel Away," a chemical stripper, and/or by manual scraping. MSDS will be provided for all chemical removers proposed for use. The abatement crew will apply "Peel Away" using brushes and trowels. The areas adjacent to the application will be protected with polyethylene drop clothes. Workers will cover the applied "Peel Away" with paper and allow it to cure approximately 24 hours. After curing, workers will remove the paper and lead paint by hand. Residual paint will be removed by manual wet scraping or brushing. All "Peel Away"/paper waste, polyethylene, disposable suits, rags, and paint waste will be drummed for disposal as hazardous waste in accordance with EPA regulations. Open flame burning, dry scraping, and machine sanding without attached HEPA filtration methods will not be used at any time.

Before beginning paint or adhesive removal in any area, TBN will cover all surfaces that may accumulate dust or scrapings with six millimeter plastic sheeting taped securely in place. Barriers and coverings will be adequate to ensure that dust, debris, and fumes are contained within the work area and do not contaminate building surfaces. Warning signs will be placed at the entrance to work control areas. Exits and stairwells will not be blocked without the permission of the contracting officer.

Engineering controls including HEPA filtration units and wet removal methods also will be implemented for all paint removal activities. If painted surfaces will not be demolished but will be disturbed (drilled, cut, scraped), tools equipped with HEPA filtered vacuum systems will be used.

Surfaces in the control area will be maintained free of accumulations of paint chips and dust. Spread of dust and debris will be restricted. Dry sweeping or compressed air will not be used for cleanup. At the end of each work period, workers will HEPA vacuum and collect all debris to maintain surfaces free of paint chips and dust accumulation.

All paint removal wastes will be cleaned up and containerized daily. Wastes will be containerized in DOT approved 55-gallon drums for disposal off-site as hazardous wastes. Drums will be labeled and manifested in accordance with DOT and EPA disposal regulations. All waste containers will be properly cleaned and decontaminated prior to removal from the work area. TBN will dispose of this waste as PCB.

After painted surfaces have been striped of paint TBN will follow procedures for PCB clean up out lined in the drawing notes under "PCB clean up Double Wash / Rinse Method".

Step 1 Double wash /rise method: First wash using a detergent based cleaning solution (spic and span) thoroughly clean the entire striped area using a sturdy pad or brush, wipe up excess detergent, dispose of scrubbing devices and wipe up materials as PCB contaminated.

Step 2 First rinse using clean water; rinse entire striped area with pad and wipe surface dry. The wiping materials and collected solution shall be disposed of as PCB contaminated.

Step 3 Second wash using an organic solvent. Scrub surface with a sturdy pad or brush, wipe up solvent. All materials are to be disposed of as PCB contaminated.

Step 4 second rinse wipe the surface with the surface with a pad moistened with solvent, then wipe up with a dry pad. All materials are to be disposed of as PCB contaminated.

Let all washed /rinsed surfaces dry for minimum of 48 hours before application of paint. Painting is to be performed by others

TBN will provide a copy of each waste manifest to the contracting officer and designated facility contact at the time shipment is made. Within 30 days from when the hazardous waste treatment storage and disposal facility (TSDF) receives the waste, a completed copy of the manifest will be provided to the contracting officer and facility contact. Certificates of Destruction or Disposal will be provided to the same parties within 90 days of delivery of waste to the TSDF.

14.0 Worker Protection

All workers will use PPE and work practices while in the removal areas. All workers on the project will be participants in a medical surveillance program. This includes, but is not limited to, blood lead levels, ZPP, or FEP level sampling and analysis.

During all paint removal operations, at a minimum workers will use full-body Tyvek disposable suits, latex gloves, safety shoes, hard hats, safety glasses, and the appropriate level of respiratory protection. At a minimum, all workers will use half-face, air-purifying respirators (APR) with HEPA cartridges during all paint abatement activities.

Workers will use a decontamination chamber adjacent to the paint removal and abatement work areas. Worker decontamination will occur using HEPA vacuums to vacuum gross debris from disposable clothing and, at a minimum, workers will use hand soap and water to thoroughly decontaminate unprotected skin areas (e.g., hands and face). Workers are to use the decontamination facilities each time the work area is exited. Disposable coveralls will be placed in abatement waste on a daily basis after use.

15.0 Waste Storage and Removal

Asbestos waste will be double bagged as required and held in the vault where TBN is working. TBN will remove the asbestos waste from vault 1 thru the corridor on column line P up the stair well to the loading dock. Asbestos from vault 2,3 and the switchgear room will be transported thru the elevator lobby to the parking garage.

PCB wastes will be placed in DOT approved 55 gallon drums; waste from vault 1 will be removed thru the corridor on column line P up the stairs to the loading dock. PCB wastes from vaults 2 and 3 will be transported thru the elevator lobby to the parking garage.

All haz-wastes will be removed from the bldg. during off-hours and as shown on the weekly schedule.

GSA

GSA National Capital Region

November 15, 2002

Mr. Jeffrey D. Edwards
Asbestos Coordinator
Government of the District of Columbia
Department of Health - Environmental Health Administration
Bureau of Environmental Quality
Air Quality Division - Compliance and Enforcement Branch
51 N Street, NE
Washington, DC 20002

Dear Mr. Edwards:

This letter is being sent to request written approval for a scheduled dry asbestos removal at the New Executive Office Building (DC0105ZZ), located at 725 17th Street, NW, Washington DC 20006. Asbestos removal is scheduled to begin on November 25, 2002 and be completed by February 25, 2003.

The scope of this project is to replace the transformers and switchgear equipment and includes the removal of approximately 5,000 square feet (S.F.) of asbestos-containing fireproofing material from the vault ceilings located in the Basement of the New Executive Office Building. The work will be performed by TBN Associates, Inc., a qualified asbestos removal contractor licensed in the District of Columbia. This request is forwarded in order to comply with the requirements of EPA NESHAP at 41 CFR 61.145(c)(A)(B). It has been determined that conducting a wet asbestos removal would unavoidably damage high voltage electrical equipment and present a safety hazard to personnel engaged in the removal process. A copy of the Contractor's submitted Asbestos Work Plan is enclosed for your review.

If you have questions concerning this matter, please contact me at (202) 708-5257.

Sincerely,

Timothy Sleeth, CFPS
Regional Asbestos Coordinator
Safety, Environment and Fire Protection Branch

Enclosure

cc: Kerry Bonos - GSA/WPG
Galen Green - GSA/WPC
Lee Thomas - TBN Associates, Inc.

U.S. General Services Administration
301 7th Street, SW
Washington, DC 20407-0001
www.gsa.gov

General Services Adminstration National Capital Region
Safety, Environmental, & Fire Protection Branch (WPYG)

NOVEMBER 13, 2002

MEMORANDUM FOR: GALEN GREEN
POTOMAC SERVICE CENTER (WPW)

FROM: TIMOTHY SLEETH
SAFETY, ENVIRONMENT AND
FIRE PROTECTION BRANCH (WPYG)

SUBJECT: PRE AND POST-AWARD ASBESTOS/PCB
FLOORING ABATEMENT SUBMITTALS
GS-11P98MQD0108
TRANSFORMER AND SWITCHGEAR
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All removed ACM and asbestos-contaminated disposal suits and other gear will be placed in approved 6-mill thick opaque polyethylene disposal bags (double bagged and labeled), removed from the work area, and transported off site to a temporary or permanent disposal site at the end of the work shift or as approved by the technical representative.

After cleaning twice with a damp cloth, all surfaces having been in contact with asbestos will be treated with an encapsulant to permanently bind any remaining asbestos fibers and prevent their becoming airborne. All areas exposed to asbestos prior to the setup of the work areas will be wet cleaned and encapsulated.

7.0 Decontamination of Contaminated Materials and Personnel

Immediately following removal and containment of ACM, workers will remove sealed waste bags from the work areas (by way of the decontamination chamber if applicable). All non-disposable tools and equipment will be decontaminated prior to removal from the work areas. The waste bags will be properly disposed following work area final clearance. The AFDs will be thoroughly cleaned and decontaminated, and the filters shall be disposed as contaminated waste. All waste materials will be properly disposed in an EPA-approved waste site in accordance with all applicable federal and District of Columbia regulations.

8.0 Medical Exams

Employees involved in asbestos removal operations will be offered a comprehensive medical examination in accordance with OSHA standard 29 CFR 1926.1101 and its appendices. The medical examination shall include:

- an occupational history,
- determination whether the examinee smokes,
- respiratory history development,
- forced vital capacity test,
- forced expiratory volume (FEB-1) test, and
- chest x-ray (14- by 17-inch posterior/anterior).

The examining physician will certify in writing that the examined employee is capable of working while wearing a negative pressure facepiece respirator. If the physician discovers any respiratory problems, the employee will be removed from further asbestos-related work. Records of employee physical examinations will be maintained for a period of at least 30 years, in accordance with the requirements of OSHA standard 29 CFR 1926.1101 and 20 CFR 1910.20.

9.0 Equipment

The following equipment will be used during asbestos abatement operations.

- Water sprayer - an airless low pressure sprayer.
- Vacuum cleaner – a HEPA vacuum cleaner that meets applicable American National Standards Institute (ANSI) standards.
- Local exhaust system – AFDs equipped with HEPA filter stage that meets ANSI standards and OSHA requirements.
- Respirators – selection of respiratory protective equipment shall be dependent on the particular asbestos abatement operation and shall be approved by a Certified Industrial Hygienist (CIH).

10.0 Accident Prevention

Caution will be exercised at all times for the protection of persons (including employees) and property from hazards.

11.0 Air Monitoring

In accordance with OSHA standard 29 CFR 1926.1101, air monitoring will be conducted during the initial startup of all removal operations. The GSA industrial hygienist will conduct air monitoring and provide project oversight. Ambient air samples will be collected within the work area and outside the work areas in adjacent spaces. The contractor's industrial hygienist will perform exposure measurements. Exposure measurements will consist of personal monitoring representing the employees' eight-hour breathing zone exposure and 30-minute short-term exposure limit sampling.

Workers will at no time be exposed to eight-hour time-weighted average (TWA) breathing zone levels of asbestos fibers (longer than five microns with a three to one aspect ratio) in excess of 0.1 fiber per cubic centimeter (f/cc), or above 1.0 f/cc as a 30-minute short-term exposure, in accordance with OSHA standard 29 CFR 1926.1101. All air samples will be analyzed on site using the NIOSH 7400 Method or equivalent, and the analyses will be performed by laboratory analysts who successfully participate in the NIOSH Proficiency Analytical Testing (PAT) program.

Prior to releasing a regulated area, the industrial hygienist will perform a visual inspection for asbestos residue. After a satisfactory visual inspection, post-abatement clearance testing will be conducted in accordance with District Columbia regulations. The post abatement clearance samples requiring analysis using transmission electron microscopy (TEM) will be performed in accordance with District of Columbia regulations.

12.0 PCB Contaminated Paint Abatement Plan

All abatement activities will be performed in full compliance with applicable OSHA regulations (CFR 29 Parts 1910.1025, OSHA General Industry for Lead; 1926, OSHA Construction; 1926.62, OSHA Lead in Construction), applicable EPA regulations (40 CFR 260-299, EPA Resource Conservation and Recovery Act; and 40 CFR 300-399, EPA Comprehensive Environmental Response Compensation and Liability Act) and U.S. Department of Transportation (DOT) regulations 40 CFR 171-180: DOT Hazardous Material Regulations.

13.0 Work Activities

The primary project activity presenting a potential risk of exposure is the removal of PCB contaminated paint. TBN's EPA-trained abatement workers will perform this activity.

The paint removal will involve PCBs. The specifications indicate that the paint on the pads and curbs contains PCBs. These items may have come in contact with

small amounts of leaking oils and, therefore, are being removed as possibly PCB-contaminated.

TBN will have personnel trained in OSHA's 40-hour hazardous waste operations and emergency response (HAZWOPER) on site at all times. These trained personnel will be responsible for identifying and overseeing potential PCB hazards and wastes.

Paint removal will occur on designated areas of the concrete pads and floors and other components and equipment. During renovation, the building will be occupied. Abatement and/or demolition activities will comply with submittal information and precautions will be taken to protect building occupants and unaffected adjacent areas from exposure to contaminated dust.

TBN will remove the paint from the concrete pads and curbs by using "Peel Away," a chemical stripper, and/or by manual scraping. MSDS will be provided for all chemical removers proposed for use. The abatement crew will apply "Peel Away" using brushes and trowels. The areas adjacent to the application will be protected with polyethylene drop clothes. Workers will cover the applied "Peel Away" with paper and allow it to cure approximately 24 hours. After curing, workers will remove the paper and lead paint by hand. Residual paint will be removed by manual wet scraping or brushing. All "Peel Away"/paper waste, polyethylene, disposable suits, rags, and paint waste will be drummed for disposal as hazardous waste in accordance with EPA regulations. Open flame burning, dry scraping, and machine sanding without attached HEPA filtration methods will not be used at any time.

Before beginning paint or adhesive removal in any area, TBN will cover all surfaces that may accumulate dust or scrapings with six millimeter plastic sheeting taped securely in place. Barriers and coverings will be adequate to ensure that dust, debris, and fumes are contained within the work area and do not contaminate building surfaces. Warning signs will be placed at the entrance to work control areas. Exits and stairwells will not be blocked without the permission of the contracting officer.

Engineering controls including HEPA filtration units and wet removal methods also will be implemented for all paint removal activities. If painted surfaces will not be demolished but will be disturbed (drilled, cut, scraped), tools equipped with HEPA filtered vacuum systems will be used.

Surfaces in the control area will be maintained free of accumulations of paint chips and dust. Spread of dust and debris will be restricted. Dry sweeping or compressed air will not be used for cleanup. At the end of each work period, workers will HEPA vacuum and collect all debris to maintain surfaces free of paint chips and dust accumulation.

All paint removal wastes will be cleaned up and containerized daily. Wastes will be containerized in DOT approved 55-gallon drums for disposal off-site as hazardous wastes. Drums will be labeled and manifested in accordance with DOT and EPA disposal regulations. All waste containers will be properly cleaned and decontaminated prior to removal from the work area. TBN will dispose of this waste as PCB.

After painted surfaces have been striped of paint TBN will follow procedures for PCB clean up out lined in the drawing notes under "PCB clean up Double Wash / Rinse Method".

Step 1 Double wash /rise method: First wash using a detergent based cleaning solution (spic and span) thoroughly clean the entire striped area using a sturdy pad or brush, wipe up excess detergent, dispose of scrubbing devices and wipe up materials as PCB contaminated.

Step 2 First rinse using clean water, rinse entire striped area with pad and wipe surface dry. The wiping materials and collected solution shall be disposed of as PCB contaminated.

Step 3 Second wash using an organic solvent. Scrub surface with a sturdy pad or brush, wipe up solvent. All materials are to be disposed of as PCB contaminated.

Step 4 second rinse wipe the surface with the surface with a pad moistened with solvent, then wipe up with a dry pad. All materials are to be disposed of as PCB contaminated.

Let all washed /rinsed surfaces dry for minimum of 48 hours before application of paint. Painting is to be performed by others

TBN will provide a copy of each waste manifest to the contracting officer and designated facility contact at the time shipment is made. Within 30 days from when the hazardous waste treatment storage and disposal facility (TSDF) receives the waste, a completed copy of the manifest will be provided to the contracting officer and facility contact. Certificates of Destruction or Disposal will be provided to the same parties within 90 days of delivery of waste to the TSDF.

14.0 Worker Protection

All workers will use PPE and work practices while in the removal areas. All workers on the project will be participants in a medical surveillance program. This includes, but is not limited to, blood lead levels, ZPP, or FEP level sampling and analysis.

During all paint removal operations, at a minimum workers will use full-body Tyvek disposable suits, latex gloves, safety shoes, hard hats, safety glasses, and the appropriate level of respiratory protection. At a minimum, all workers will use half-face, air-purifying respirators (APR) with HEPA cartridges during all paint abatement activities.

Workers will use a decontamination chamber adjacent to the paint removal and abatement work areas. Worker decontamination will occur using HEPA vacuums to vacuum gross debris from disposable clothing and, at a minimum, workers will use hand soap and water to thoroughly decontaminate unprotected skin areas (e.g., hands and face). Workers are to use the decontamination facilities each time the work area is exited. Disposable coveralls will be placed in abatement waste on a daily basis after use.

15.0 Waste Storage and Removal

Asbestos waste will be double bagged as required and held in the vault where TBN is working. TBN will remove the asbestos waste from vault 1 thru the corridor on column line P up the stair well to the loading dock. Asbestos from vault 2,3 and the switchgear room will be transported thru the elevator lobby to the parking garage.

PCB wastes will be placed in DOT approved 55 gallon drums; waste from vault 1 will be removed thru the corridor on column line P up the stairs to the loading dock. PCB wastes from vaults 2 and 3 will be transported thru the elevator lobby to the parking garage.

All haz-wastes will be removed from the bldg. during off-hours and as shown on the weekly schedule.

General Services Adminstration National Capital Region
Safety, Environmental, & Fire Protection Branch (WPYG)

NOVEMBER 13, 2002

MEMORANDUM FOR: GALEN GREEN
POTOMAC SERVICE CENTER (WPW)

FROM: TIMOTHY SLEETH
SAFETY, ENVIRONMENT AND
FIRE PROTECTION BRANCH (WPYG)

SUBJECT: PRE AND POST-AWARD ASBESTOS/PCB
FLOORING ABATEMENT SUBMITTALS
GS-11P98MQD0108
TRANSFORMER AND SWITCHGEAR
REPLACEMENT
NEW EXECUTIVE OFFICE BUILDING (NEOB)
725 17TH STREET, NW
WASHINGTON, DC

The October 28, 2002, Pre and Post-Award Asbestos and PCB Flooring Abatement Submittals and Revised Work Plan(Dated November 7, 2002), from Grunley-Walsh Joint Venture, for TBN Associates, Inc., have been reviewed and are sufficient for approval.

If you should have any questions, please contact me at (202) 708-5257.

cc: Official, Facility, WPYG
Subject File: DC0105ZZ
TSleeth: 11/13/02x708-5257
EMIREV-3458 PRE-POST-AWARD ACM-PCB
SUB.TBN.TRANSFORMER REPLACE.DOC

Author:_____Date:_____
Timothy Sleeth, Industrial Hygienist (WPYG)

General Services Adminstration National Capital Region
Safety, Environmental, & Fire Protection Branch (WPYG)

NOVEMBER 13, 2002

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POTOMAC SERVICE CENTER (WPW)

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Subject File: DC0105ZZ
TSleeth: 11/13/02x708-5257
EMIREV-3458 PRE-POST-AWARD ACM-PCB
SUB.TBN.TRANSFORMER REPLACE.DOC

Author:_____Date:_____
Timothy Sleeth, Industrial Hygienist (WPYG)

T.B.N. ASSOCIATES INCORPORATED

INDUSTRIAL • INSULATION • CONSTRUCTION
ASBESTOS REMOVAL

THERMATECH

COVER SHEET

FAX

DATE: 10/31/02

TO (company):

ATTN: Tim sleeth

FAX NUMBER: 202 708 6618

TOTAL NUMBER OF PAGES *(including this cover sheet)*: 2

FROM: Lee Thomas FAX NUMBER (301) 937-2513

COMMENTS:

I'll send the work plan tomorrow
Is this drawing o.k.?
Lee

If you have not received all of the pages, please call (301) 937-5544

☐ ORIGINAL DOCUMENTS TO FOLLOW BY MAIL

11262 OLD BALTIMORE PIKE • BELTSVILLE, MD 20705
PHONE (301) 937-5544 • (800) 876-9745
FAX (301) 937-2513

T.B.N. ASSOCIATES INCORPORATED

INDUSTRIAL • INSULATION • CONSTRUCTION
ASBESTOS REMOVAL

THERMATECH

COVER SHEET

FAX

DATE: 11/7/02

TO (company):

ATTN: Tim Sleeth

FAX NUMBER: 202 708 6618

TOTAL NUMBER OF PAGES *(including this cover sheet)*:

FROM: Lee Thomas FAX NUMBER (301) 937-2513

COMMENTS:

NEOB

only Change is paragraph 15
I was asked to put this in yesterday
at our meeting

Lee

If you have not received all of the pages, please call (301) 937-5544

☐ ORIGINAL DOCUMENTS TO FOLLOW BY MAIL

11262 OLD BALTIMORE PIKE • BELTSVILLE, MD 20705
PHONE (301) 937-5544 • (800) 876-9745
FAX (301) 937-2513

Grunley-Walsh Joint Venture

11910 Parklawn Drive
Unit U
Rockville, MD 20852

Phone: 202-312-2650
Fax: 202-312-2652

TRANSMITTAL
No. 00007
3458

PROJECT: Remove Transformer/Switchgear @ NEOB

DATE: 10/28/2002

TO: General Services Administration
National Capital Region WPXE Rm 2080
7th & D Streets, SW
Washington, DC 20407

REF: Submittal 02085 Asbestos
& PCB Flooring Abatement
G-W Job #02-077

ATTN: Tim Sleeth

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☑ Shop Drawings	☑ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	**SENT VIA:**	☐ Returned
☐ Specifications	☑ Attached	☐ Returned for Corrections
☑ Other: Submittal	☐ Separate Cover Via: Hand Deliver	☐ Due Date:

PACKAGE	SUBMITTAL	REV.	ITEM NO.	COPIES	DATE	ITEM	DESCRIPTION	STATUS
02085	02085-01	001	1	6	10/28/2002	SUB	Asbestos Abatement Procedures/PCB Flooring Abatement: Contractor Qualifications	NEW
02085	02085-02	001	2	6	10/28/2002	SUB	Asbestos Abatement Procedures/PCB Flooring Abatement: Plan of Action	NEW
02085	02085-03	001	3	6	10/28/2002	SUB	Asbestos Abatement Procedures/PCB Flooring Abatement: Disposal Plan	NEW
02085	02085-06	001	4	6	10/28/2002	SUB	Asbestos Abatement Procedures/PCB Flooring Abatement: GSA Asbestos Control Permit	NEW
02085	02085-07	001	5	6	10/28/2002	SUB	Asbestos Abatement Procedures/PCB Flooring Abatement: Certificates of Compliance/Product Data	NEW
02085	02085-08	001	6	6	10/28/2002	SUB	Asbestos Abatement Procedures/PCB Flooring Abatement: Information on Encapsulating Matl (MSDS)	NEW
02085	02085-09	001	7	6	10/28/2002	SUB	Asbestos Abatement Procedures/PCB Flooring Abatement: Laboratory Qualification Info	NEW

Remarks:
HAND DELIVER 10/29/02

CC: Galen Green/GSA (2), Paul MacDonald/META (1)
file, field

Signed: Rita A. Kalicka, PM
Rita A. Kalicka, PM

Expedition ®

GRUNLEY-WALSH

TRANSFORMER AND SWITCHGEAR REPLACEMENT
NEW EXECUTIVE OFFICE BUILDING

GSA, WHPO, Washington, D.C.
GS-11P98MQD0108 <> P-11-02-MA-0001
G-WJV Job #02-077

SUBMITTAL DATA

ASBESTOS ABATEMENT PROCEDURES & PCB ABATEMENT @ FLOORS

Contractor Qualifications (01), Plan of Action (02), Disposal Plan (03), GSA Asbestos Cntrl Permit (06), Cert. Of Compliance/Product Data (07), Info on Encapsulating Matl (MSDS) (08) and Laboratory Qualification Info (09)

Specification Section 02085

Subcontractor: **TBN Associates, Inc.**
Contact/Phone: **Lee Thomas 301-937-5544**

Please note the following Grunley-Walsh review comments:

1. This submittal addresses our subcontractor's scope of work which includes abatement of floor tile and floor paint.
2. EPA Notification and Local Government Notification will be submitted at least 10 working days before the start of the project.

Submittal No.: **02085-01, 02, 03, 06, 07, 08 & 09**
Specification Section **02085**
Contractor: GRUNLEY-WALSH JOINT VENTURE
TRANSFORMER AND SWITCHGEAR REPLACEMENT @ NEOB GS-11P98MQD0108
We hereby state that we have reviewed, inspected and checked
the information submitted and vouch for accuracy and compliance
with the Contract Documents and surrounding conditions, subject to the Owners approval.

Reviewed by: Rita C. Kalicky, PM
Date: 10/28/02

TBN ASSOCIATES, INC.
11262 OLD BALTIMORE PIKE
BELTSVILLE, MD 20705

(301) 937-5544
FAX (301)-937-2513

October 17, 2002

Grunley-Walsh Joint Venture
11910 Parklawn Drive, Suite U
Rockville, MD 20852
ATTN: BASSEM

RE: FEDERAL OFFICE BUILDING 7

We are submitting the following items for approval on the above referenced project:

1. FIVE PREVIOUS ASBESTOS ABATEMENT PROJECTS
2. COPY OF DAILY LOG AND AIR MONITORING FROM FIVE PREVIOUS PROJECTS
3. EXPERIENCE AND QUALIFICATIONS OF SUPERVISION
4. EXPERIENCE AND QUALIFICATIONS OF WORKERS
5. DISTRICT OF COLUMBIA'S ASBESTOS REMOVAL LICENSE
6. PLAN OF ACTION
7. DISPOSAL PLAN
8. EPA NOTIFICATION & LOCAL GOVERNMENT NOTIFICATION WILL BE SUBMITTED AT LEAST 10 WORKING DAYS BEFORE THE START OF THE PROJECT
9. GSA ASBESTOS CONTROL PERMIT
10. CERTIFICATES OF COMPLIANCE & MANUFACTURER'S DATA
11. INFORMATION ON ENCAPSULATING MATERIAL
12. LABORATORY INFORMATION

Sincerely,

Lee N. Thomas/kep

Lee N. Thomas
V. P. Asbestos Abatement

applied environmental inc.

11800 Sunrise Valley Drive, Suite 1200
Reston, Virginia 20191

(703) 648-0822
FAX (703) 648-0575

S/

September 21, 1999

Mr. Lee Thomas
Vice President of Asbestos Abatement
TBN Associates, Inc.
11262 Old Baltimore Pike
Beltsville, Maryland 20705

TBN Job #: 93073

Dear Mr. Thomas:

This is to confirm air sampling results collected during asbestos abatement conducted in Room 0130 of Tydings Hall at the University of Maryland. The final airborne fiber concentration collected in Room 0130 measured below detectable limits.

The air sampling and analyses were performed in accordance with the National Institute of Occupational Safety and Health (NIOSH) 7400 Method. The air samples collected were submitted to the Applied Environmental asbestos analytical laboratory for analysis by phase contrast microscopy. The Applied Environmental asbestos analytical laboratory participates in the NIOSH Proficiency Analytical Testing program and American Industrial Hygiene Association Asbestos Analyst Registry.

If you have any questions, please feel free to call.

Sincerely,

Jana H. Ambrose
Principal

Attachment

Ref. No. 004-97-0481

15

applied environmental inc.
Laboratory Services Division

AIRBORNE FIBER MONITORING RESULTS

University of Maryland, College Park
Tydings Hall, Room 0130
College Park, Maryland

August 18, 1999

TBN Associates, Inc.

ANALYTICAL INFORMATION

DATE	APPLIED LOG NUMBER	SAMPLE NUMBER	SAMPLING LOCATION	TIME (MIN)	VOLUME (L)	F/F	F/CC	PERSONAL SAMPLING DATA
8/18/99	99 8371	UMDLK990818-01	Personal, Hector Chicas, STEL	30	60	7.5/100	0.06	0.06[1]
8/18/99	99 8372	UMDLK990818-02	Outside work area, on top of decontamination unit, ambient	390	975	9.5/100	<0.01	N/A
8/18/99	99 8373	UMDLK990818-03	Inside work area, near center HEPA unit, ambient	390	975	69/100	0.03	N/A
8/18/99	99 8374	UMDLK990818-04	Field blank	----	----	0/100	----	N/A
8/18/99	99 8375	UMDLK990818-05	Field blank	----	----	0/100	----	N/A
8/18/99	99 8376	UMDLK990818-06	Post-test, inside containment, left side of decontamination unit, near steps	120	1200	12.5/100	<0.01	N/A
8/18/99	99 8377	UMDLK990818-07	Post-test, inside containment, right side of decontamination unit, near HEPA units	120	1200	8/100	<0.01	N/A

Analytical Method: Air samples were analyzed using National Institute for Occupational Safety and Health (NIOSH) analytical method 7400 (Revision #4, dated August 15, 1994) by Applied Environmental asbestos analytical laboratory. Applied Environmental participates in the NIOSH Proficiency Analytical Testing program and the American Industrial Hygiene Association Asbestos Analyst Registry.

Applicability: The quantitative working range is 0.04 to 0.5 fibers per cubic centimeter (f/cc) for a 1000-L air sample. The LOD depends on sample volume and quantity of interfering dust, and is less than 0.01 f/cc for atmospheres free of interferences.

Interferences: Any other airborne fiber may interfere since all particles meeting the counting criteria are counted. Chain-like particles may appear fibrous. High levels of non-fibrous dust particles may obscure fibers in the field of view and increase the detection limit.

[1] This personal sample represents Short-Term Excursion Limit sampling.

004-99-0481/1

American Industrial Hygiene Association
Asbestos Analyst Registry Number 8907

Proficiency Analytical Testing (PAT) Program Laboratory Number 22091-001

Roger Loy, Laboratory Manager
David P. O'Konski, CIH, Laboratory Director

11800 Sunrise Valley Drive, Suite 1200
Reston, Virginia 20191
(703) 648-0822
FAX (703) 648-0575

applied environmental inc.

Laboratory Services Division

AIRBORNE FIBER MONITORING RESULTS

University of Maryland, College Park
Tydings Hall, Room 0130
College Park, Maryland

August 17, 1999

TBN Associates, Inc.

ANALYTICAL INFORMATION

DATE	APPLIED LOG NUMBER	SAMPLE NUMBER	SAMPLING LOCATION	TIME (MIN)	VOLUME (L)	F/F	F/CC	PERSONAL SAMPLING DATA
8/17/99	99 8367	UMDLK990817-02	Outside work area, top of decontamination unit, ambient	394	985	15.5/100	<0.01	N/A
8/17/99	99 8368	UMDLK990817-04	Personal, Carlos Ramirez, STEL	30	60	36.5/100	0.29	0.29[1]
8/17/99	99 8369	UMDLK990817-05	Field blank	---	---	0/100	---	N/A
8/17/99	99 8370	UMDLK990817-06	Field blank	---	---	0/100	---	N/A

Analytical Method: Air samples were analyzed using National Institute for Occupational Safety and Health (NIOSH) analytical method 7400 (Revision #4, dated August 15, 1994) by Applied Environmental asbestos analytical laboratory. Applied Environmental participates in the NIOSH Proficiency Analytical Testing program and the American Industrial Hygiene Association Asbestos Analyst Registry.

Applicability: The quantitative working range is 0.04 to 0.5 fibers per cubic centimeter (f/cc) for a 1000-L air sample. The LOD depends on sample volume and quantity of interfering dust, and is less than 0.01 f/cc for atmospheres free of interferences.

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[1] This personal sample represents Short-Term Excursion Limit sampling.

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Asbestos Analyst Registry Number 8907

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Reston, Virginia 20191
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FAX (703) 648-0575

applied environmental inc.

ASBESTOS CONTAINMENT ENTRY LOG

CLIENT: TB DATE: [illegible] 19, 1999

CONTAINMENT: Room BC-36 - Mini Containment TECH/IH: Lee Kitchen

PROJECT NUMBER: 004-99-0350

Respiratory Protection (RP): HF-1/2 face negative pressure; FF-full face negative pressure; PAPR-powered air purifying; SAR-supplied air

*Wearing personal sample

Name & Social Security#	RP	IN	OUT	IN	OUT	IN	OUT	IN	OUT
Sean Sprouse 213-92-5907	HF	7:50	11:25	12:20	1:40				
Mike Weems 214-48-7446	HF	7:50	9:25	9:30	10:40	12:20	2:40		
Rickly Rollins * 220-78-9635	HF	7:50	11:00	12:50	1:20				
Corvin Jackson 215-29-5169	HF	8:15	11:25	12:20	2:40				

11800 Sunrise Valley Drive • Suite 1200 • Reston, Virginia 22091 • (703) 648-0822

4

applied environmental inc.

ABATEMENT PROJECT FIELD LOG

Client: TBW Project #: 004-99-2481 Date: Aug. 18. 1999

Project Address: University of MD. College Park MD

Regulated Area Locations: Tydings Hall Room 130, stage area

Abatement Contractor: TBW On-site Supervisor: Dennis Basel

Third Party Environmental Consultant:

Client Representative On-site:

AE Hygienist: Lee Kitchen

Provide detailed information regarding the ***OBJECTIVE*** of the project, i.e., scope of work, quantity and type of ACM being removed. Removal ***METHODS*** should include descriptions of work practices, type of containment, engineering controls, worker PPE, etc. ***CONDITIONS*** describing the building status, i.e., occupied, non-occupied, and construction activities, etc. ***OBSERVATIONS*** documented chronologically throughout the day (approximately every ½ hour) should note activities, negative pressure, and personnel on-site.

Time:	Observations:
6:30	Dennis Basel, Lee Kitchen and TBW crew is on-site. Crew prepares for work
7:00	Crew is cutting down black iron ceiling grid
7:30	Grid removal & clean up continues
8:00	Crew continues removing black iron and plaster around the edges. Crew is bagging debris
8:30	Removal & Clean up continues
9:00	Crew is cleaning up black iron and debris
9:30	Clean up continues
10:00	Crew continues clean up.
10:30	Clean up continues.

5

applied environmental inc.

ABATEMENT PROJECT FIELD LOG

Client: TBN **Project #:** 004-99-0481 **Date:** Aug. 18. 1999

Project Address: Univ. of MD, College Park

Regulated Area Locations: Tydings Hall, Room 0130, Stage area

Abatement Contractor: TBN **On-site Supervisor:** Dennis Basil

Third Party Environmental Consultant:

Client Representative On-site:

AE Hygienist: Lee Kitchen

Provide detailed information regarding the ***OBJECTIVE*** of the project, i.e., scope of work, quantity and type of ACM being removed. Removal ***METHODS*** should include descriptions of work practices, type of containment, engineering controls, worker PPE, etc. ***CONDITIONS*** describing the building status, i.e., occupied, non-occupied, and construction activities, etc. ***OBSERVATIONS*** documented chronologically throughout the day (approximately every ½ hour) should note activities, negative pressure, and personnel on-site.

Time: **Observations:**

Objective: To observe and monitor the removal of ACM plaster ceiling, brown coat and black iron. Area is ≈ 500 ft² in Room 0130 of Tydings Hall, U of MD College Park.
Lee Kitchen (IH from Applied Env)
Dennis Basil (Supervisor for TBN)

Conditions: The building is occupied and clean.

Methods: The crew is wearing cloth suits and HF respirators. The containment has been built of 6 mil. poly, has 3 stage decon w/ shower. 3 HEPA units provide neg. pressure. Crew is using sawzall, hammers, wire cutters, rags, garden hose ect in the abatement

6

applied environmental inc.

ABATEMENT PROJECT FIELD LOG

Client: TBW Project #: 004-99-0481 Date: Aug. 18, 1999

Project Address: Univ. of MD, College Park

Regulated Area Locations: Tydings Hall Room 0130 - Stage area

Abatement Contractor: TBW On-site Supervisor: Dennis Rasel

Third Party Environmental Consultant:

Client Representative On-site:

AE Hygienist: Lee Kitchen

Provide detailed information regarding the ***OBJECTIVE*** of the project, i.e., scope of work, quantity and type of ACM being removed. Removal ***METHODS*** should include descriptions of work practices, type of containment, engineering controls, worker PPE, etc. ***CONDITIONS*** describing the building status, i.e., occupied, non-occupied, and construction activities, etc. ***OBSERVATIONS*** documented chronologically throughout the day (approximately every ½ hour) should note activities, negative pressure, and personnel on-site.

Time:	Observations:
10:58	Conduct final inspection - containment looks good - Crew sprays encapsulant
11:20	Crew breaks for lunch
12:00	Start final samples
2:00	Pull samples - They Passed - Crew tears down - Crew is leaving up poly wall that separates seating area from the stage until 8/19 when bags will be picked up.
2:30	Crew leaves the site

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ACM FINAL INSPECTION CHECKLIST

Tech./IH : Lee Kitchen Date: 8/18/99

Client: TRN Project #: 004-99-0481

Building: U of MD Tydings Hall Room/area: 0130

Type/quantity of Material: ~500 ft² ACM plaster ceiling

Type of final air testing: TEM ___ PCM X Number of samples: 2

AHERA project? No Aggressive sampling? No

Special Spec. Requirements? ___

Areas checked for ACM

Horizontal/vertical pipes: ✓ Duct work: ✓

Lights: ✓ Valves/joints: ✓

Conduit: ✓ Microtraps: ✓

Scaffolding: — Ladders: ✓

Shovels: ✓ Brushes/scrapers: ✓

Areas checked beneath plastic

Walls/ floors: ✓ Machinery/equipment: —

Furniture: — Other: ___

Plastic removed before inspection? No

Remaining non-ACM insulation? —

Remaining/inaccessible ACM? (list location below) No

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SAMPLING DATA SHEET

Client: TBN

Facility/Bldg. Tydings Bld. Room 0130

Address: University of MD, College Park

Instructions to Lab:

Project #: 004-99-0481

Hygienist: Lee Y. Fisher

Date: Aug. 17 1999

Sample ID	Pump #	Sample location (Room/Area)	Pre-Post Calibration	Time On/Off	Total Time	Volume or Area	Result f/cc	Fibers/field	AE Log #
UMDLK990817 - 01		Personal - Carlos Ramirez	2.0 / 2.0	7:41 AM / 11:30 AM	199 min.	398 L	VOID	OVERLOADED	
02		Ambient - Outside work area ontop of the decon	2.5 / 2.5	7:47 AM / 2:21	394 min	985 L	<0.01	155/100	99 8,367
03		Area - Inside work area [redacted] in center by [redacted] HEPA unit	2.5 / 2.5	7:46 AM / 2:21	395 min	988 L	VOID	OVERLOADED	
04		Personal STEL - Carlos Ramirez	2.0 / 2.0	12:00 / 12:30	30 min	60 L	0.29	365/100	99 8,368
05	—	Field Blank						0/100	99 8,369
06	—	Field Blank						0/100	99 8,370

Arrival Time: 6:30 AM

Departure Time: 2:30 PM

Foreman: Dennis Basil

Company: TBN

Comments:

Date: 8/17/99

3482

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ABATEMENT PROJECT FIELD LOG

Client: TBN **Project #:** 004-99-0481 **Date:** Aug. 17, 1999

Project Address: Univ. of MD, College Park

Regulated Area Locations: Tydings Hall, Room 0130, Stage area

Abatement Contractor: TBN **On-site Supervisor:** Dennis Basil

Third Party Environmental Consultant:

Client Representative On-site:

AE Hygienist: Lee Kitchen

Provide detailed information regarding the ***OBJECTIVE*** of the project, i.e., scope of work, quantity and type of ACM being removed. Removal ***METHODS*** should include descriptions of work practices, type of containment, engineering controls, worker PPE, etc. ***CONDITIONS*** describing the building status, i.e., occupied, non-occupied, and construction activities, etc. ***OBSERVATIONS*** documented chronologically throughout the day (approximately every ½ hour) should note activities, negative pressure, and personnel on-site.

Time: **Observations:**

Objective: To observe and monitor TBN's removal of ACM plaster ceiling, brown coat & black iron from the front stage area and 2 rooms in Room 0130 of Tydings Hall @ 500 ft².

Lee Kitchen (IH from Applied Env.)
Dennis Basil (Supervisor for TBN)

Conditions: The building is occupied and clean.

Methods: The crew is wearing cloth suits and HF respirators. The containment is built of 6 mil. poly and has 3 Hepa Units providing neg. pressure. 3 stage decon has shower & filter. Crew uses pry bars, sawz-all, shovels, hammers, etc. in the abatement.

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ABATEMENT PROJECT FIELD LOG

Client: TBN Project #: 004-99-0481 Date: Aug 17, 1999

Project Address: University of MD, College Park, MD

Regulated Area Locations: Tydings Hall, Stage area of Room 0130

Abatement Contractor: TBN On-site Supervisor: Dennis

Third Party Environmental Consultant:

Client Representative On-site:

AE Hygienist: Lee Kitchen

Provide detailed information regarding the ***OBJECTIVE*** of the project, i.e., scope of work, quantity and type of ACM being removed. Removal ***METHODS*** should include descriptions of work practices, type of containment, engineering controls, worker PPE, etc. ***CONDITIONS*** describing the building status, i.e., occupied, non-occupied, and construction activities, etc. ***OBSERVATIONS*** documented chronologically throughout the day (approximately every ½ hour) should note activities, negative pressure, and personnel on-site.

Time:	Observations:
6:30	On site at TBN office → go to U of MD meet crew their
7:00	Crew is setting up decon and final touches to containment
7:30	Inspect containment → looks good
7:40	Crew enters containment → demolition of the ceiling begins.
8:00	Crew is breaking down the plaster ceiling
8:30	Demo continues - crew is using sawz-all to cut down the black iron grid
9:00	Ceiling demo continues
9:30	Work continues - talk to Dennis about time schedual
10:00	Crew continues demo - inspect containmet - all good. All pumps OK as well.

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ABATEMENT PROJECT FIELD LOG

Client: TBN Project #: 004-99-0481 Date: Aug. 17, 1999

Project Address: U of MD, College Park

Regulated Area Locations: Tydings Hall, Stage Area of Room 0130

Abatement Contractor: TBN On-site Supervisor: Dennis Basil

Third Party Environmental Consultant:

Client Representative On-site:

AE Hygienist: Lee Kitchen

Provide detailed information regarding the ***OBJECTIVE*** of the project, i.e., scope of work, quantity and type of ACM being removed. Removal ***METHODS*** should include descriptions of work practices, type of containment, engineering controls, worker PPE, etc. ***CONDITIONS*** describing the building status, i.e., occupied, non-occupied, and construction activities, etc. ***OBSERVATIONS*** documented chronologically throughout the day (approximately every ½ hour) should note activities, negative pressure, and personnel on-site.

Time:	Observations:
10:30 AM	Crew continues removing ceiling, brown coat, & black iron
11:00	Crew breaks for lunch
12:00	Crew returns and continues removing black iron and cleaning up debris
12:30	Black iron removal continues
1:00	Work continues
1:30	Crew continues removing black iron.
2:00	Crew is cleaning up debris
2:30	Crew leaves site

11

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ACM FULL CONTAINMENT CHECKLIST

Tech./IH: Lee Kitchen Date: Aug 17, 1999

Client: TBW Project #: 0411-99-0481

Building: U of MD, Tydings Hall Room/area: Stage area of Room 0130

Type/quantity of material removed: ACM plaster ceiling & browncoat/blackiron ≈ 500 ft²

Special Spec. Requirements?

# of stages in decon: 3 Shower: ✓

6 mil. polyethylene: ✓ Shower water filtration: ✓

Critical barriers: ✓ # of poly layers on walls 1

Vents sealed: ✓ Ventilation system off: –

Floor covered: ✓ # of poly layers on floor: 2

Drains covered: – Micron socks: –

Microtraps: 3 Filters: Pre ___ Inter X HEPA X

Manometer reading: – Air changes per hour: 4

Type of protective clothing: Cloth Suits Type of respirator: HF

Rips in protective suits: No Pos./Neg. fit test: ✓

Type of spray equipment: Airless ___ Cannister X Garden hose X Other ___

Amended water: – ACM wetted thoroughly: ✓

ACM double bagged: ✓ Bags sealed & transported properly: –

Date and proper ID on bags: ✓ Waste storage location: Containment

Type of encapsulation: – OSHA approved signs posted: ✓

Containment sealed properly: ✓ Work area secure: ✓

HEPA vacumn used: ✓ Water leakage from work area: No

Smoking, eating,drinking in restricted areas: No

12

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SAMPLING DATA SHEET

Client: TBW

Facility/Bldg. Tydings Hall Room 0130

Address: Univ. of MD, College Park, MD

Instructions to Lab:

Project #: 004-99-0481

Hygienist: Kitchen

Date: Aug. 18. 1999

Sample ID	Pump #	Sample location (Room/Area)	Pre-Post Calibration	Time On/Off	Total Time	Volume or Area	Result f/cc	Fibers/field	AE Log #
JMDLK990818-01		Personal STEL - Hector Chacas	2.0 / 2.0	7:03 / 7:33	30 min	60 L	0.06	7.5/100	99 8,371
02		Area - outside work area outside of decon	2.5 / 2.5	7:11 / 1:41	390 min	975 L	95/100	<0.01	99 8,372
03		Area - in work area by center HEPA unit	2.5 / 2.5	7:11 / 1:41	390 min.	975 L	69/100	0.03	99 8,373
04	—	Field Blank	—					6/100	99 8,374
05	—	Field Blank	—					6/100	99 8,375
06		Final - in containment on Left side of Decon by steps	10.0 / 10.0	12:00 / 2:00	120 min.	1200 L	<0.01	12.5/100	99 8,376
07		Final - in containment on Right side by HEPA units	10.0 / 10.0	12:00 / 2:00	120 min.	1200 L	<0.01	8/100	99 8,377

Arrival Time: 6:30 AM

Departure Time: 2:30 PM

Foreman: [illegible]

Company: TBW

Comments:

Date: 8/18/99

3483

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11800 Sunrise Valley Drive, Suite 1200
Reston, Virginia 20191

(703) 648-0822
FAX (703) 648-0575

March 9, 1999

Mr. Lee Thomas
Vice President of Asbestos Abatement
TBN Associates, Inc.
11262 Old Baltimore Pike
Beltsville, Maryland 20705

TBN Job #: 90003A

Dear Mr. Thomas:

This is to confirm the air sampling results collected during asbestos abatement activities and work activities impacting asbestos-containing materials performed at the Potomac Electric Power Company Power Plant in Dickerson, Maryland. Applied Environmental, Inc., conducted air monitoring during the asbestos related work activities in the following areas:

- Removal of duct insulation on the third floor, next to the men's restroom;
- Removal of pipe insulation on the second floor, near Elevator #1; and
- Monitoring D&M Construction workers inserting screws into the metal ceiling grid system with a powered screw gun. Monitoring was conducted as there was a potential for impacting asbestos-containing transite ceiling panels being supported by the metal grid system.

All of the air samples collected measured below detectable limits.

The air sampling and analyses were performed in accordance with the National Institutes for Occupational Safety and Health (NIOSH) 7400 Method. The air samples collected were submitted to the Applied Environmental asbestos analytical laboratory for analysis by phase contrast microscopy. The Applied Environmental asbestos analytical laboratory participates in the NIOSH Proficiency Analytical Testing program and is accredited by the American Industrial Hygiene Association (AIHA).

If you have any questions, please feel free to call.

Sincerely,

Jana H. Ambrose
Principal

Attachment

Ref. No. 004-99-0023

applied environmental inc.
Laboratory Services Division

AIR SAMPLE RESULTS SUMMARY

Client Name: TBN Associates, Inc.

Project Location: Pepco Dickerson Generating Power Station, Station D, Dickerson, Maryland

Lab Project #: A2185

Client Project #: 004-99-0023

Client Sample #	Lab Sample #	Date Collected	Sample Location	Sample Type	Time On	Time Off	Fibers/ Fields	Total Time (min.)	Volume (Liters)	Concen-tration (f/cc)
KS99115001	990719	1/15/99	Regulated Area - Second floor, near Elevator 1	Ambient	7:47	11:26	1/100	219	540.9	<0.01
KS99115002	990720	1/15/99	Other - N/A	Field Blank			0/100			
KS99115003	990721	1/15/99	Other - N/A	Field Blank			0/100			

ANALYTICAL METHOD: Air samples were analyzed using National Institute for Occupational Safety and Health (NIOSH) analytical method 7400 (Revision #4, dated August 15, 1994) by Applied Environmental asbestos analytical laboratory. Applied Environmental participates in the NIOSH Proficiency Analytical Testing program and the American Industrial hygiene Association Asbestos Analyst Registry.

APPLICABILITY: The quantitative working range is 0.04 to 0.5 fibers per cubic centimeter (f/cc) for a 1000-L air sample. The LOD depends on sample volume and quantity of interfering dust, and is less than 0.01 f/cc for atmospheres free of interferences.

INTERFERENCES: Any other airborne fiber may interfere since all particles meeting the counting criteria are counted. Chain-like particles may appear fibrous. High levels of non-fibrous dust particles may obscure fibers in the field of view and increase the detection limit.

American Industrial Hygiene Association
Asbestos Analyst Registry Number 8907

Proficiency Analytical Testing (PAT) Program Laboratory Number 22091-001

Roger Loy, Laboratory Manager
David P. O'Konski, CIH, Laboratory Director

11800 Sunrise Valley Drive, Suite 1200
Reston, Virginia 20191
(703) 648-0822
FAX (703) 648-0575

applied environmental inc.
Laboratory Services Division

AIR SAMPLE RESULTS SUMMARY

Client Name: TBN Associates, Inc.

Project Location: Pepco Dickerson Generating Power Station, Station D, Dickerson, Maryland

Lab Project #: A2183

Client Project #: 004-99-0023

Client Sample #	Lab Sample #	Date Collected	Sample Location	Sample Type	Time On	Time Off	Fibers/ Fields	Total Time (min.)	Volume (Liters)	Concen-tration (f/cc)
KS99012101	990712	1/21/99	Regulated Area - Third floor, HVAC room, next to mens' lockers next to utility set	Ambient	7:36	9:06	8.5/100	90	1066.5	<0.01
KS99012102	990713	1/21/99	Other - N/A	Field Blank			0/100			
KS99012103	990714	1/21/99	Other - N/A	Field Blank			0/100			

ANALYTICAL METHOD: Air samples were analyzed using National Institute for Occupational Safety and Health (NIOSH) analytical method 7400 (Revision #4, dated August 15, 1994) by Applied Environmental asbestos analytical laboratory. Applied Environmental participates in the NIOSH Proficiency Analytical Testing program and the American Industrial hygiene Association Asbestos Analyst Registry.

APPLICABILITY: The quantitative working range is 0.04 to 0.5 fibers per cubic centimeter (f/cc) for a 1000-L air sample. The LOD depends on sample volume and quantity of interfering dust, and is less than 0.01 f/cc for atmospheres free of interferences.

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Laboratory Services Division

AIR SAMPLE RESULTS SUMMARY

Client Name: TBN Associates, Inc.

Project Location: Pepco Dickerson Generating Power Station, Station D, Dickerson, Maryland

Lab Project #: A2206

Client Project #: 004-99-0023

Client Sample #	Lab Sample #	Date Collected	Sample Location	Sample Type	Time On	Time Off	Fibers/ Fields	Total Time (min.)	Volume (Liters)	Concen-tration (f/cc)
TBNOW990126-01	990840	1/26/99	Area - Inside Control Room	Ambient	7:00	8:40	6/100	100	1300.0	<0.01
TBNOW990126-02	990841	1/26/99	Other - N/A	Field Blank			0/100			
TBNOW990126-03	990842	1/26/99	Other - N/A	Field Blank			0/100			

ANALYTICAL METHOD: Air samples were analyzed using National Institute for Occupational Safety and Health (NIOSH) analytical method 7400 (Revision #4, dated August 15, 1994) by Applied Environmental asbestos analytical laboratory. Applied Environmental participates in the NIOSH Proficiency Analytical Testing program and the American Industrial hygiene Association Asbestos Analyst Registry.

APPLICABILITY: The quantitative working range is 0.04 to 0.5 fibers per cubic centimeter (f/cc) for a 1000-L air sample. The LOD depends on sample volume and quantity of interfering dust, and is less than 0.01 f/cc for atmospheres free of interferences.

INTERFERENCES: Any other airborne fiber may interfere since all particles meeting the counting criteria are counted. Chain-like particles may appear fibrous. High levels of non-fibrous dust particles may obscure fibers in the field of view and increase the detection limit.

American Industrial Hygiene Association
Asbestos Analyst Registry Number 8907

Proficiency Analytical Testing (PAT) Program Laboratory Number 22091-001

Roger Loy, Laboratory Manager
David P. O'Konski, CIH, Laboratory Director

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19

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Laboratory Services Division

AIR SAMPLE RESULTS SUMMARY

Lab Project #: A2207

Client Project #: 004-99-0023

Client Name: TBN Associates, Inc.

Project Location: Pepco Dickerson Generating Power Station, Station D, Dickerson, Maryland

Client Sample #	Lab Sample #	Date Collected	Sample Location	Sample Type	Time On	Time Off	Fibers/ Fields	Total Time (min.)	Volume (Liters)	Concen-tration (f/cc)
TBNOW990127-02	990844	1/27/99	Other - N/A	Field Blank			0/100			
TBNOW990127-03	990845	1/27/99	Other - N/A	Field Blank			0/100			
TBNOW990127-01	990843	1/27/99	Other - Kenny Ross, 027-48-6801	Personal	7:00	9:00	2.5/100	120	300.0	<0.01

Date Collected: 1/27/99 **Worker Social Security #:** 027-48-6801 **TWA:** <0.01

ANALYTICAL METHOD: Air samples were analyzed using National Institute for Occupational Safety and Health (NIOSH) analytical method 7400 (Revision #4, dated August 15, 1994) by Applied Environmental asbestos analytical laboratory. Applied Environmental participates in the NIOSH Proficiency Analytical Testing program and the American Industrial hygiene Association Asbestos Analyst Registry.

APPLICABILITY: The quantitative working range is 0.04 to 0.5 fibers per cubic centimeter (f/cc) for a 1000-L air sample. The LOD depends on sample volume and quantity of interfering dust, and is less than 0.01 f/cc for atmospheres free of interferences.

INTERFERENCES: Any other airborne fiber may interfere since all particles meeting the counting criteria are counted. Chain-like particles may appear fibrous. High levels of non-fibrous dust particles may obscure fibers in the field of view and increase the detection limit.

American Industrial Hygiene Association
Asbestos Analyst Registry Number 8907

Proficiency Analytical Testing (PAT) Program Laboratory Number 22091-001

Roger Loy, Laboratory Manager
David P. O'Konski, CIH, Laboratory Director

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Reston, Virginia 20191
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SAMPLING DATA SHEET

Client: TBN
Facility/Bldg. Pepco Power Plant
Address: Dickerson, Md

Instructions to Lab:

Project #: 004-99-0023
Hygienist: Orlando Williams
Date: 1/27/99

Sample ID	Pump #	Sample location (Room/Area)	Pre-Post Calibration	Time On/Off	Total Time	Volume or Area	Result	Fibers/field	AE Log #
TBNOW990127 - 01	LV-33	027-48-6801 Kenny Ross	2.5 / 2.5	7:00 / 9:00	120m	300.l	<0.01	2.5/100	99 843
- 02	—	FB	—	—	—	—		0/100	99 844
- 03	—	FB	—	—	—	—		0/100	99 845

Arrival Time: 7:00
Departure Time: 10:00
Foreman: Jay Wachter
Company: D+M General Contractors
Comments:
Date: 1/27/99

2207

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ABATEMENT PROJECT FIELD LOG

Client: TBN Project #: 004-99-0023 Date: 1/27/99

Project Address: Pepco Power Plant

Regulated Area Locations: Control Room

Abatement Contractor: TBN On-site Supervisor: Bob McKendry

Third Party Environmental Consultant:

Client Representative On-site:

AE Hygienist: Orlando Williams

Provide detailed information regarding the ***OBJECTIVE*** of the project, i.e., scope of work, quantity and type of ACM being removed. Removal ***METHODS*** should include descriptions of work practices, type of containment, engineering controls, worker PPE, etc. ***CONDITIONS*** describing the building status, i.e., occupied, non-occupied, and construction activities, etc. ***OBSERVATIONS*** documented chronologically throughout the day (approximately every ½ hour) should note activities, negative pressure, and personnel on-site.

Time:	Observations:
Obj:	To monitor D&M contractors workers while shooting screws through metal on ceiling
Methods:	Workers are shooting screws through with powered gun standing on a ladder
Conditions:	Room is dusty, ducts have insulation that is opened where air is coming out to cool the room, air was not turned off
Observation:	
7:00	Workers begin ~~adding~~ shooting nails into ceiling
9:00	Workers stop / Read sample
10:00	Departure

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22

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ASBESTOS CONTAINMENT ENTRY LOG

CLIENT: TBN DATE: 1/27/99

CONTAINMENT: TECH/IH: Orlando Williams

PROJECT NUMBER: 004-99-0023

Respiratory Protection (RP): HF-1/2 face negative pressure; FF-full face negative pressure; PAPR-powered air purifying; SAR-supplied air

*Wearing personal sample

Name & Social Security#	RP	IN	OUT	IN	OUT	IN	OUT	IN	OUT
027-48-6801 Kenny Ross									

applied environmental inc.

SAMPLING DATA SHEET

Client: TBN
Facility/Bldg. Pepco Power Plant
Address: Dickerson

Instructions to Lab:

Project #: 004-99-0023
Hygienist: Orlando Williams
Date: 1/26/99

Sample ID	Pump #	Sample location (Room/Area)	Pre-Post Calibration	Time On/Off	Total Time	Volume or Area	Result f/cc	Fibers/field	AE Log #
TBNOW990126 -01	HV-05	Ambient Sample Inside Control Room	13.0 / 13.0	7:00 / 8:40	100 m	1300 l	<0.01	6/100	99 840
-02	—	FB	—	—	—	—	—	0/100	99 841
-03	—	FB	—	—	—	—	—	0/100	99 842

Arrival Time: 7:00
Foreman: Bob McKendry
Comments:
Departure Time: 2:00
Company: TBN
Date: 1/26/99

24

2206.

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ABATEMENT PROJECT FIELD LOG

Client: TBN Project #: 004-99-0023 Date: 1/26/99

Project Address: Pepco Power Plant

Regulated Area Locations: Control Room

Abatement Contractor: TBN On-site Supervisor: Bob McKendry

Third Party Environmental Consultant:

Client Representative On-site:

AE Hygienist: Orlando Williams

Provide detailed information regarding the ***OBJECTIVE*** of the project, i.e., scope of work, quantity and type of ACM being removed. Removal ***METHODS*** should include descriptions of work practices, type of containment, engineering controls, worker PPE, etc. ***CONDITIONS*** describing the building status, i.e., occupied, non-occupied, and construction activities, etc. ***OBSERVATIONS*** documented chronologically throughout the day (approximately every ½ hour) should note activities, negative pressure, and personnel on-site.

Time:	Observations:
Objective:	Take sample of control room and read to see if and transite is in the air. Then D&M will shoot screws through the metal in the ceiling and Applied will monitor to make sure the transite is not disturbed.
Methods:	Sample methods with High Voltmeter
Conditions:	Room is dusty and insulation is open on the ducts where the air condition is blowing
Observations:	
7:00	Took ~~of~~ ambient sample
8:40	Stopped sample / Read results
9:30 ↓ 2:00	Orlando is waiting for D&M's ~~shipp~~ shipment to come in so they can start the work. Departure

25

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SAMPLING DATA SHEET

Client: ~~Pepco~~ TBN ~~Dickerson Power Plant~~

Facility/Bldg. Station D

Address:

Instructions to Lab:

Project #: 00499 0023

Hygienist: Ken Scully

Date: 1/15/99

Sample ID	Pump #	Sample location (Room/Area)	Pre-Post Calibration	Time On/Off	Total Time	Volume or Area	Result f/cc	Fibers/field	AE Log #
KS99115001	LV 05	near elevator #1, 2nd floor	2.47	7:47 11:26	219min	540.93 l	<0.01	1/100	99 719
KS99115002		BLNK						0/100	99 720
KS99115003		Blank						0/100	99 721

Arrival Time: 6:30 Foreman: Bob Comments:

Departure Time: 12:00 Company: TBN Date: 1/15/99

2185

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ABATEMENT PROJECT FIELD LOG

Client: PEPCO Dickerson Power Plant Project #: 004 99 0023 Date: 1/15/99

Project Address:

Regulated Area Locations: Station D

Abatement Contractor: TBN On-site Supervisor: Bob

Third Party Environmental Consultant:

Client Representative On-site:

AE Hygienist: Ken Scully

Provide detailed information regarding the ***OBJECTIVE*** of the project, i.e., scope of work, quantity and type of ACM being removed. Removal ***METHODS*** should include descriptions of work practices, type of containment, engineering controls, worker PPE, etc. ***CONDITIONS*** describing the building status, i.e., occupied, non-occupied, and construction activities, etc. ***OBSERVATIONS*** documented chronologically throughout the day (approximately every ½ hour) should note activities, negative pressure, and personnel on-site.

Time:	Observations:
Objective:	AE IH tech conducts oversight & air monitoring (ambient, personal, final) of project. TBN crew performs ACM pipe insulation removal in Dickerson Power Plant Station D.
Methods:	TBN PPE includes Tyvex suits, HF, glasses, gloves, hard hats. Pipe Insulation is glovebagged & thoroughly wetted prior to removal. Pipes are "bridgen" encapsulated @ final stage. ACM is sealed in Acm double bags w/proper labels. The abatement site is secured w/crit. barrier tape.
Conditions:	Station D is occupied by Power Plant employees. Air near site is filled w/soot caused by Power Plant operation.
6:30	AE IH tech arrives on site & discusses abatement project w/TBN onsite supervisor.
7:00	TBN crew begins to construct 1 of 3 glovebags in Station D, 2nd floor near elevator #1.
7:47	LV05 is on to collect ambient sample 001, near elevator #1, 2nd Floor. TBN begins glovebagging.
8:15	The 1st glovebag is complete, pipes ~~are~~ is encapsulated (Bridgen). AE IH inspects pipes.
8:20	TBN constructs 2nd glovebag in Station D, 2nd Floor near elevator #1
9:00	TBN begins glovebagging.
9:20	TBN completes 2nd glovebag & encaps (bridgen) pipe. AE IH inspects pipe.

27

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ABATEMENT PROJECT FIELD LOG

Client: Pepco Dickerson Power Plant Project #: 004 99 0023 Date: 1/15/99

Project Address:

Regulated Area Locations: Station D

Abatement Contractor: TBN On-site Supervisor: Bob

Third Party Environmental Consultant:

Client Representative On-site:

AE Hygienist: Ken Sally

Provide detailed information regarding the ***OBJECTIVE*** of the project, i.e., scope of work, quantity and type of ACM being removed. Removal ***METHODS*** should include descriptions of work practices, type of containment, engineering controls, worker PPE, etc. ***CONDITIONS*** describing the building status, i.e., occupied, non-occupied, and construction activities, etc. ***OBSERVATIONS*** documented chronologically throughout the day (approximately every ½ hour) should note activities, negative pressure, and personnel on-site.

Time:	Observations:
9:30	TBN constructs 3rd glovebag near elevator #1, 2nd Floor, Station D.
10:15	TBN begins glovebag removal (3rd).
11:20	TBN finishes 3rd glovebag removal & encaps (bridgen) pipe.
11:25	AEIH inspects pipe & entire work area for any ACM debris. - Area is cleared.
11:26	LVOS is off, ambient sample 001 is collected. TBN decides not to remove duct insulation on 4th floor since fans & vents are not turned off.
12:00	AEIH is off site.

28.

applied environmental inc.

ACM SMALL- SCALE REMOVAL CHECKLIST

Tech./IH: Ken Scully Date: 1/15/99

Client: Dickerson Power Plant (PEPCO) Project # : 004 99 0023

Building: Station D Room/area: 2nd Floor near elevator #1

Type/quantity of material removed: Pipe insulation.

Special Spec. Requirements?

Type of removal:

GLOVEBAG X ROOF/EXTERIOR ____

Negative pressure provided by: HEPA fan unit: ___ HEPA vacumn: ___

Critical barriers: 1

Description of work practices: Insulation was wetted (using amended water) prior to removal. Glovebags were sealed in ACM double bags. Pipes were encapsulated in last stage of removal.

OSHA approved signs: X

Area secure: X

Containment smoke tested: X

Type of sprayer: Canister

Amended water: X

6 mil. poly: X

ACM wetted thoroughly: X

HEPA vacumn: X

All seals secure: X

Type of respirators: HF

Type/number of coveralls Tyvex

Decon/shower on site: No

Pos./neg fit test: X

ACM residue remaining: No

Tools removed clean: X

ACM double bagged and sealed: X

Type of encapsulation: Bridgen

Date and ID on bags: X

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SAMPLING DATA SHEET

Client: ~~PepCo, Dickerson Power Plant~~ TBN

Facility/Bldg. Station D, PepCo, Dickerson

Address:

Instructions to Lab:

Project #: 00499 0023

Hygienist: Ken Scully

Date: 1/21/99

Sample ID	Pump #	Sample location (Room/Area)	Pre-Post Calibration	Time On/Off	Total Time	Volume or Area	Result f/cc	Fibers/field	AE Log #
KS9912101	HV BP6	Next to utility set, model 270FR, serial #H270DV1 of 3rd Floor HVAC Rm, next to men's lockers	11.85 / 11.85	7:36 / 9:06	90 min	1067 ~~1066.5~~	<0.01	8.5/100	99 712
KS9912102		Blank						0/100	99 713
KS9912103		Blank						0/100	99 714

Arrival Time: 7:00 Foreman: Bob Comments:

Departure Time: 9:45 Company: TBN Date: 1/21/99

30

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2183

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ABATEMENT PROJECT FIELD LOG

Client: Pepco, Dickerson Project #: 004 99 0023 Date: 1/21/99

Project Address:

Regulated Area Locations: Station D

Abatement Contractor: TBN On-site Supervisor: Bob

Third Party Environmental Consultant:

Client Representative On-site:

AE Hygienist: Ken Scully

Provide detailed information regarding the ***OBJECTIVE*** of the project, i.e., scope of work, quantity and type of ACM being removed. Removal ***METHODS*** should include descriptions of work practices, type of containment, engineering controls, worker PPE, etc. ***CONDITIONS*** describing the building status, i.e., occupied, non-occupied, and construction activities, etc. ***OBSERVATIONS*** documented chronologically throughout the day (approximately every ½ hour) should note activities, negative pressure, and personnel on-site.

Time:	Observations:
objective:	AE IH conducts oversight & air monitoring (ambient, Final clearance).
	TBN performs Duct insulation removal (approx. ~ 170-ft²)
	from a Heating ventilation & Air conditioning system in HVAC Rm next to men's locker
	of Dickerson Power Plant, Station D.
Methods:	TBN PPE includes HF, Tyvex suits, hard hats. Critical barriers,
	consisting of 1 6mil poly layer, were placed @ every doorway &
	on all mechanical equipment in Rm. Duct insulation was thoroughly
	wetted w/amended water & sealed in labelled ACM double bags.
	The duct was "bridgen" encapsulated only where the removal
	took place. Doorways consisted of OSHA approved
	signs. TBN fined cleaned entire area after removal.
Conditions:	Station D is occupied by Pepco employees. Bldg air contains
	heavy dust & debris.
7:00	AE arrives on site & inspects Heating Ventilation & Air condition
	System duct in HVAC Rm, 3rd Floor. Final visual passes.
7:36	HVBPG is on to collect final clearance sample 001 near Utility Set,
	model 270FR, serial # H270DVI of HVAC Rm, 3rd Floor
9:06	HVBPG is off, sample 001 is collected.
9:36	Final clearance sample 01 passes
9:45	AE IH is off site.

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ACM FINAL INSPECTION CHECKLIST

Tech./IH : Ken Scully Date: 1/21/99

Client: Pepco, Dickerson Power Plant Project #: 004990023

Building: Station D Room/area: HVAC 3rd floor next to mechanical room

Type/quantity of Material: Duct insulation (approx ~ 170 ft²)

Type of final air testing: TEM ____ PCM X Number of samples: 1

AHERA project? No Aggressive sampling? No

Special Spec. Requirements? ____

Areas checked for ACM

Horizontal/vertical pipes: X Duct work: X

Lights: ____ Valves/joints: ____

Conduit: ____ Microtraps: ____

Scaffolding: ____ Ladders: X

Shovels: ____ Brushes/scrapers: ____

Areas checked beneath plastic

Walls/ floors: X Machinery/equipment: X

Furniture: ____ Other: ____

Plastic removed before inspection? No

Remaining non-ACM insulation? NO

Remaining/inaccessible ACM? (list location below) None

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August 18, 1999

Mr. Lee Thomas
Vice President of Asbestos Abatement
TBN Associates, Inc.
11262 Old Baltimore Pike
Beltsville, Maryland 20705

TBN Job #: TM170

Dear Mr. Rawlings:

This is to confirm air sampling results collected during asbestos abatement conducted in the mechanical room of Building 1403 and the exterior of Buildings 605, 526, and 516 located at Patuxent River Naval Air Station, in Patuxent, Maryland. All of the personal samples collected measured below federal exposure limits.

The air sampling and analyses were performed in accordance with the National Institute of Occupational Safety and Health (NIOSH) 7400 Method. The air samples collected were submitted to the Applied Environmental asbestos analytical laboratory for analysis by phase contrast microscopy. The Applied Environmental asbestos analytical laboratory participates in the NIOSH Proficiency Analytical Testing program and American Industrial Hygiene Association Asbestos Analyst Registry.

If you have any questions, please feel free to call.

Sincerely,

Jana Ambrose

Jana H. Ambrose
Principal

Attachment

Ref. No. 004-99-0307

TBN/TRA Thermatech Recd AUG 23 1999		
PNT	CER	WPS
LNT	JPH	RSS
RAP	KLP	RM
KLW		WHOE
ACTION		

8-14

33

applied environmental inc.
Laboratory Services Division

AIR SAMPLE RESULTS SUMMARY

Client Name: TBN Associates, Inc.

Project Location: Buildings 605, 526, 516 Patuxent, Maryland

Lab Project #: A2938

Client Project #: 004-99-0307

Client Sample #	Lab Sample #	Date Collected	Sample Location	Sample Type	Time On	Time Off	Fibers/ Fields	Total Time (min.)	Volume (Liters)	Concen-tration (f/cc)
04	995419	5/25/99	Other - N/A	Field Blank			0/100			
05	995420	5/25/99	Other - N/A	Field Blank			0/100			
01	995416	5/25/99	STEL - Jose Barahona, 230-61-7602, Building 605	Personal	9:30	10:00	4/100	30	75.0	<0.04
02	995417	5/25/99	STEL - Jose Barahona, 230-61-7602, Building 526	Personal	10:15	10:45	3/100	30	75.0	<0.04
03	995418	5/25/99	STEL - Jose Barahona, 230-61-7602, Building 516	Personal	13:30	14:00	5/100	30	75.0	<0.04

Date Collected: 5/25/99 **Worker Social Security #:** 230-61-7602 **TWA:** <0.01

ANALYTICAL METHOD: Air samples were analyzed using National Institute for Occupational Safety and Health (NIOSH) analytical method 7400 (Revision #4, dated August 15, 1994) by Applied Environmental asbestos analytical laboratory. Applied Environmental participates in the NIOSH Proficiency Analytical Testing program and the American Industrial hygiene Association Asbestos Analyst Registry.

APPLICABILITY: The quantitative working range is 0.04 to 0.5 fibers per cubic centimeter (f/cc) for a 1000-L air sample. The LOD depends on sample volume and quantity of interfering dust, and is less than 0.01 f/cc for atmospheres free of interferences.

INTERFERENCES: Any other airborne fiber may interfere since all particles meeting the counting criteria are counted. Chain-like particles may appear fibrous. High levels of non-fibrous dust particles may obscure fibers in the field of view and increase the detection limit.

American Industrial Hygiene Association
Asbestos Analyst Registry Number 8907

Proficiency Analytical Testing (PAT) Program Laboratory Number 22091-001

Roger Loy, Laboratory Manager
David P. O'Konski, CIH, Laboratory Director

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Reston, Virginia 20191
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applied environmental inc.
Laboratory Services Division

AIR SAMPLE RESULTS SUMMARY

Client Name: TBN Associates, Inc.

Project Location: Patuxent River NAS, Building 1403

Lab Project #: A3029

Client Project #: 004-99-0307

Client Sample #	Lab Sample #	Date Collected	Sample Location	Sample Type	Time On	Time Off	Fibers/ Fields	Total Time (min.)	Volume (Liters)	Concen-tration (f/cc)
PAX990605-01	995904	6/5/99	Other - N/A	Field Blank			0/100			
PAX990605-02	995905	6/5/99	Other - N/A	Field Blank			0/100			
PAX990605-03	995906	6/5/99	Area - Hallway, 5' from door to Mech Room	Ambient	9:05	13:05	2/100	240	480.0	<0.01
PAX990605-04	995907	6/5/99	Area - Middle of Mech Room	Ambient	9:07	13:07	1.5/100	240	480.0	<0.01
PAX990605-05	995908	6/5/99	Post Test - Middle of Mech Room	Clearance	13:10	14:50	4.5/100	100	1200.0	<0.01

ANALYTICAL METHOD: Air samples were analyzed using National Institute for Occupational Safety and Health (NIOSH) analytical method 7400 (Revision #4, dated August 15, 1994) by Applied Environmental asbestos analytical laboratory. Applied Environmental participates in the NIOSH Proficiency Analytical Testing program and the American Industrial hygiene Association Asbestos Analyst Registry.

APPLICABILITY: The quantitative working range is 0.04 to 0.5 fibers per cubic centimeter (f/cc) for a 1000-L air sample. The LOD depends on sample volume and quantity of interfering dust, and is less than 0.01 f/cc for atmospheres free of interferences.

INTERFERENCES: Any other airborne fiber may interfere since all particles meeting the counting criteria are counted. Chain-like particles may appear fibrous. High levels of non-fibrous dust particles may obscure fibers in the field of view and increase the detection limit.

American Industrial Hygiene Association
Asbestos Analyst Registry Number 8907

Proficiency Analytical Testing (PAT) Program Laboratory Number 22091-001

Roger Loy, Laboratory Manager
David P. O'Konski, CIH, Laboratory Director

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SAMPLING DATA SHEET

Client: TBN

Facility/Bldg. ~~1403~~, 605, 526, 516

Address: Patuxent

Instructions to Lab:

Project #: 004-99-0307

Hygienist: O. Williams

Date: 5/25/99

Sample ID	Pump #	Sample location (Room/Area)	Pre-Post Calibration	Time On/Off	Total Time	Volume or Area	Result HCC	Fibers/field	AE Log #
01	14297	STEL 230-61-7602 Bld. 605 Jose Barahona	2.5 / 2.5	9:30 / 10:00	30 min	75 l	.03	4/100	99 5,416
02	14297	STEL 230-61-7602 Jose Barahona	2.5 / 2.5	10:15 / 10:45	30 min	75 l	.02	3/100	99 5,417
03	14297	STEL 217-19-0243 Jose Rivas	2.5 / 2.5	13:30 / 14:00	30 min	75 l	.03	5/100	99 5,418
04	—	FB	—	—	—	—	—	0/100	99 5,419
05	—	FB	—	—	—	—	—	0/100	99 5,420

Arrival Time: _____ Foreman: _____ Comments: _____

Departure Time: _____ Company: _____ Date: _____

36

2938

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ACM SMALL- SCALE REMOVAL CHECKLIST

Tech./IH: O. Williams Date: 5/25/99

Client: TBN Project # : 004-99-0307

Building: 526 Room/area: Outside Bld

Type/quantity of material removed: TSI

Special Spec. Requirements?

Type of removal:

GLOVEBAG ✓ ROOF/EXTERIOR ____

Negative pressure provided by: HEPA fan unit: ___ HEPA vacumn: ✓

Critical barriers: ____

Description of work practices: Removal of TSI from two 3ft pipes and metal cover

OSHA approved signs: ✓ Area secure: ✓

Containment smoke tested: ✓ Type of sprayer: ____

Amended water: ✓ 6 mil. poly: ____

ACM wetted thoroughly: ✓ HEPA vacumn: ✓

All seals secure: ✓ Type of respirators: HE

Type/number of coveralls ____ Decon/shower on site: No

Pos./neg fit test: ✓ ACM residue remaining: No

Tools removed clean: ✓ ACM double bagged and sealed: ✓

Type of encapsulation: ____ Date and ID on bags: ✓

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ACM SMALL- SCALE REMOVAL CHECKLIST

Tech./IH: O. Williams Date: 5/25/99

Client: TBN Project # : 004-99-0307

Building: 516 Room/area: Outside Bld

Type/quantity of material removed: TSI

Special Spec. Requirements?

Type of removal:

GLOVEBAG ✓ ROOF/EXTERIOR ____

Negative pressure provided by: HEPA fan unit: ___ HEPA vacumn: ___

Critical barriers: ____

Description of work practices: Removal of TSI from two 3 ft pipes and metal cover

OSHA approved signs: ✓

Containment smoke tested: ✓

Amended water: ✓

ACM wetted thoroughly: ✓

All seals secure: ✓

Type/number of coveralls ____

Pos./neg fit test: ✓

Tools removed clean: ✓

Type of encapsulation: ✓

Area secure: ✓

Type of sprayer: ____

6 mil. poly: ____

HEPA vacumn: ✓

Type of respirators: HF

Decon/shower on site: NO

ACM residue remaining: NO

ACM double bagged and sealed: ✓

Date and ID on bags: ✓

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ACM SMALL- SCALE REMOVAL CHECKLIST

Tech./IH: O. Williams Date: 5/25/99

Client: TBN Project # : 004-99-0307

Building: 605 Room/area: Outside Bld

Type/quantity of material removed: TSI

Special Spec. Requirements?

Type of removal:

GLOVEBAG ✓ ROOF/EXTERIOR ____

Negative pressure provided by: HEPA fan unit: ___ HEPA vacumn: ✓

Critical barriers: ____

Description of work practices: Removal of TSI from two 3ft pipes and metal cover

OSHA approved signs: ✓ Area secure: ✓

Containment smoke tested: ✓ Type of sprayer: ____

Amended water: ✓ 6 mil. poly: ____

ACM wetted thoroughly: ✓ HEPA vacumn: ✓

All seals secure: ✓ Type of respirators: HE

Type/number of coveralls ____ Decon/shower on site: NO

Pos./neg fit test: ✓ ACM residue remaining: NO

Tools removed clean: ✓ ACM double bagged and sealed: ✓

Type of encapsulation: ✓ Date and ID on bags: ✓

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applied environmental inc.

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August 6, 1999

Mr. Lee Thomas
Vice President of Asbestos Abatement
TBN Associates, Inc.
11262 Old Baltimore Pike
Beltsville, Maryland 20705

TBN Job #: 93049

Dear Mr. Thomas:

This is to confirm air sampling results collected during asbestos abatement conducted in Room BC-36 of the George Bush Building at the Central Intelligence Agency located in Langley, Virginia. All of the airborne fiber samples collected measured below federal exposure and regulatory limits. Final clearance samples measured below detectable limits.

The asbestos air sampling and analyses were performed in accordance with the National Institute of Occupational Safety and Health (NIOSH) 7400 Method. The air samples collected were submitted to the Applied Environmental asbestos analytical laboratory for analysis by phase contrast microscopy. The Applied Environmental asbestos analytical laboratory participates in the NIOSH Proficiency Analytical Testing program and American Industrial Hygiene Association Asbestos Analyst Registry.

If you have any questions, please feel free to call.

Sincerely,

Jana H. Ambrose
Principal

Attachments

Ref. No. 004-99-0350

applied environmental inc.
Laboratory Services Division

AIR SAMPLE RESULTS SUMMARY

Client Name: TBN Associates, Inc.

Project Location: Bush Building, Room BC36, CIA Facility, Langley, Virginia

Lab Project #: A3032

Client Project #: 004-99-0350

Client Sample #	Lab Sample #	Date Collected	Sample Location	Sample Type	Time On	Time Off	Fibers/ Fields	Total Time (min.)	Volume (Liters)	Concen-tration (f/cc)
CIALTK990 619-02	995917	6/19/99	Area - On top of the decontamination unit of the mini-containment	Ambient	7:41	15:30	10.5/100	469	1172.5	<0.01
CIALTK990 619-04	995918	6/19/99	STEL - Ricky Rollins 220-78-9635, in mini-containment	Personal	12:50	13:20	89.5/100	30	60.0	0.73
CIALTK990 619-05	995919	6/19/99	Other - Sean Sprouse 213-92-6907, glove bag removal	Personal	15:15	16:20	4/100	65	130.0	<0.02
CIALTK990 619-06	995920	6/19/99	Post Test - Inside containment, in corner to the right of the decontamination unit	Clearance	15:04	17:04	7/100	120	1200.0	<0.01
CIALTK990 619-07	995921	6/19/99	Post Test - Room GK-45, with glove bags	Clearance	16:05	17:29	8.5/100	84	840.0	<0.01
CIALTK990 619-08	995922	6/19/99	Other - N/A	Field Blank			0/100			
CIALTK990 619-09	995923	6/19/99	Other - N/A	Field Blank			0/100			

ANALYTICAL METHOD: Air samples were analyzed using National Institute for Occupational Safety and Health (NIOSH) analytical method 7400 (Revision #4, dated August 15, 1994) by Applied Environmental asbestos analytical laboratory. Applied Environmental participates in the NIOSH Proficiency Analytical Testing program and the American Industrial hygiene Association Asbestos Analyst Registry.

APPLICABILITY: The quantitative working range is 0.04 to 0.5 fibers per cubic centimeter (f/cc) for a 1000-L air sample. The LOD depends on sample volume and quantity of interfering dust, and is less than 0.01 f/cc for atmospheres free of interferences.

INTERFERENCES: Any other airborne fiber may interfere since all particles meeting the counting criteria are counted. Chain-like particles may appear fibrous. High levels of non-fibrous dust particles may obscure fibers in the field of view and increase the detection limit.

American Industrial Hygiene Association
Asbestos Analyst Registry Number 8907

Proficiency Analytical Testing (PAT) Program Laboratory Number 22091-001

Roger Loy, Laboratory Manager
David P. O'Konski, CIH, Laboratory Director

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2

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SAMPLING DATA SHEET

Client: TRW

Facility/Bldg. Bush Bld - Room BC-34

Address: GIA Facility - Langley VA

Instructions to Lab:

Project #: 004-99-0350

Hygienist: Kitchen

Date: June 19, 1999

Sample ID	Pump #	Sample location (Room/Area)	Pre-Post Calibration	Time On/Off	Total Time	Volume or Area	Result f/cc	Fibers/field	AE Log #	
CIALJK990619-01	LV-17	Personal - in mini-containment Ricky Rollins 220-78-9635	2.0 / 2.0	7:57 AM / 11:08 AM	197 min	394 L	VOID OVERLOADED			
-02	10198	Ambient - on top of the decon of the mini-containment	2.5 / 2.5	7:41 / 3:30	469 L	1173 L	10.5/100	<0.01	99	5,917
-03	9606	Work Area - inside containment next to the decon	2.5 / 1.9	7:41 / 3:30 PM	469 L	1032 L	VOID OVERLOADED			
-04	LV-17	Personal STEL - in mini containment Ricky Rollins 220-78-9635	2.0 / 2.0	12:50 PM / 1:20 PM	30 min	60 L	0.73	89.5/100	99	5,918
-05	LV-17	Personal - Area GK-45 - glovebags Sean Sprouse 213-99-6907	2.0 / 2.0	3:15 PM / 4:20 PM	65 min.	130 L	0.01	4/100	99	5,919
-06	11K-06	Final Clearance - in containment in corner to right of decon	10.0 / 10.0	3:04 PM / 5:04 PM	120 min	1200 L	<0.01	7/100	99	5,920
-07		Final Clearance - for room GK-45 with glove bags.	10.0 / 10.0	4:05 PM / 5:29 PM	84 min.	840 L	<0.01	8.5/100	99	5,921
-08	—	Field Blank	—	—	—	—	—	0/100	99	5,922

Arrival Time: 7:00 AM

Foreman: Sean Sprouse

Comments:

Departure Time: 6:00 PM

Company: TRW

Date:

3032

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SAMPLING DATA SHEET

Client: TBN

Facility/Bldg. Bush Bld Rm. BX 36 & GK 45

Address: CIA Headquarters, Langley, VA

Instructions to Lab:

Project #: 004-99-0350.

Hygienist: Kitchen

Date: 6/19/99

Sample ID	Pump #	Sample location (Room/Area)	Pre-Post Calibration	Time On/Off	Total Time	Volume or Area	Result f/cc	Fibers/field	AE Log #
CIALTK990619-09	—	Field Blank						0/100	99 5,923

Arrival Time: Foreman: Comments:

Departure Time: Company: Date:

4

3032

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ACM FINAL INSPECTION CHECKLIST

Tech./IH : Lee Kitchen Date: June 19 1999

Client: TBN Project #: 004-99-0350

Building: George Bush CIA Headquarters Room/area: BC-36

mini-containment

Type/quantity of Material: ACM for paper under mud canvas & fiberglass insulation

Type of final air testing: TEM ____ PCM X Number of samples: 1

AHERA project? No Aggressive sampling? No

Special Spec. Requirements? ____

Areas checked for ACM

Horizontal/vertical pipes: ✓ Duct work: ✓

Lights: ✓ Valves/joints: ✓

Conduit: ✓ Microtraps: ✓

Scaffolding: — Ladders: ✓

Shovels: ✓ Brushes/scrapers: ✓

Areas checked beneath plastic

Walls/ floors: ✓ Machinery/equipment: —

Furniture: — Other: ____

Plastic removed before inspection? Pole floor was

Remaining non-ACM insulation? Yes - on other ducts

Remaining/inaccessible ACM? (list location below) Only a section of the insulation was to be removed - some still remains

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5

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ACM FULL CONTAINMENT CHECKLIST

Tech./IH: Lee Kitchen Date: June 9, 1999

Client: TBN Project #: 004-99-0350

Building: George Bush CIA Room/area: Basement B6-36

Type/quantity of material removed: Canvas mud fiberglass and ACM tar paper from air duct

Special Spec. Requirements?

# of stages in decon: 2 Shower: √

6 mil. polyethylene: √ Shower water filtration: —

Critical barriers: √ # of poly layers on walls 1

Vents sealed: — Ventilation system off: Yes

Floor covered: √ # of poly layers on floor:

Drains covered: √ Micron socks: —

Microtraps: 2 Filters: Pre ___ Inter X HEPA X

Manometer reading: — Air changes per hour: —

Type of protective clothing: Cloth suits Type of respirator: HF

Rips in protective suits: No Pos./Neg. fit test: √

Type of spray equipment: Airless ___ Cannister ___ Garden hose X Other ___

Amended water: — ACM wetted thoroughly: √

ACM double bagged: √ Bags sealed & transported properly: √

Date and proper ID on bags: √ Waste storage location: Truck

Type of encapsulation: CP-240 OSHA approved signs posted: √

Containment sealed properly: √ Work area secure: √

HEPA vacumn used: √ Water leakage from work area: No

Smoking, eating,drinking in restricted areas: No

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6

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ACM SMALL- SCALE REMOVAL CHECKLIST

Tech./IH: Lee Kitchen Date: June 19, 1999

Client: TRN Project # : 004-99-C350

Building: George Bush CIA Bldg. Room/area: Kitchen Fan Room

B1 Unit AC 31

Type/quantity of material removed: ~15 ft of TSI on 3/4" Steam line

Special Spec. Requirements?

Type of removal:

GLOVEBAG X ROOF/EXTERIOR ____

Negative pressure provided by: HEPA fan unit: ___ HEPA vacumn: X

Critical barriers: ✓

Description of work practices: Cut tank multiple (5) glove bags and attached them together and to the steam pipe. HEPA vacuum provided neg. pressure. Amended H_2O & Encapsulant were sprayed via canister sprayers.

OSHA approved signs: ✓ Area secure: ✓

Containment smoke tested: — Type of sprayer: Canister

Amended water: ✓ 6 mil. poly: ✓

ACM wetted thoroughly: ✓ HEPA vacumn: ✓

All seals secure: ✓ Type of respirators: HF

Type/number of coveralls Disposable Decon/shower on site: ✓

Pos./neg fit test: ✓ ACM residue remaining: No

Tools removed clean: ✓ ACM double bagged and sealed: ✓

Type of encapsulation: CP-260 Date and ID on bags: ✓

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ABATEMENT PROJECT FIELD LOG

Client: TRW **Project #:** 004-99-0390 **Date:** July 6 1999

Project Address: George Bush CIA Bld.

Regulated Area Locations: Room GJ-50

Abatement Contractor: TRW **On-site Supervisor:** Randy Pfister

Third Party Environmental Consultant:

Client Representative On-site:

AE Hygienist: Lee Kitchen

Provide detailed information regarding the ***OBJECTIVE*** of the project, i.e., scope of work, quantity and type of ACM being removed. Removal ***METHODS*** should include descriptions of work practices, type of containment, engineering controls, worker PPE, etc. ***CONDITIONS*** describing the building status, i.e., occupied, non-occupied, and construction activities, etc. ***OBSERVATIONS*** documented chronologically throughout the day (approximately every ½ hour) should note activities, negative pressure, and personnel on-site.

Time:	Observations:
12:40	TSI removal continues
1:10	Crew continues removal
2:00	Crew is still removing insulation
2:20	Crew is finishing up - begins cleanup
2:40	Read crew sample - it looks good
3:00	Crew leaves site

8

applied environmental inc.

ABATEMENT PROJECT FIELD LOG

Client: TRW **Project #:** 004-99-0390 **Date:** July 6, 1999

Project Address: George Bush CIA Bld.

Regulated Area Locations: Room GJ-50

Abatement Contractor: TRW **On-site Supervisor:** Randy Phifer

Third Party Environmental Consultant:

Client Representative On-site:

AE Hygienist: Lee Kitchen

Provide detailed information regarding the ***OBJECTIVE*** of the project, i.e., scope of work, quantity and type of ACM being removed. Removal ***METHODS*** should include descriptions of work practices, type of containment, engineering controls, worker PPE, etc. ***CONDITIONS*** describing the building status, i.e., occupied, non-occupied, and construction activities, etc. ***OBSERVATIONS*** documented chronologically throughout the day (approximately every ½ hour) should note activities, negative pressure, and personnel on-site.

Time:	Observations:
Cont.	preparing for abatement work, while others move bagged debris to room GJ-50
8:00	John is removing TSI in the glovebags.
8:30	All 3 crew members are abatement ACM TSI in the glove bags
9:00	Crew takes a break
9:15	Crew continues removal
10:00	Removal continues
10:40	Crew has started pulling down full glovebags - others continue abatement.
11:00	Crew breaks for lunch
11:30	Removal continues
12:00	Crew continues removing ACM TSI, and is taking down glovebags.

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ABATEMENT PROJECT FIELD LOG

Client: TBN Project #: 024-99-0390 Date: July 6, 1999

Project Address: George Bush CIA Bld.

Regulated Area Locations: Room GJ-50

Abatement Contractor: TBN On-site Supervisor: Randy Phifer

Third Party Environmental Consultant:

Client Representative On-site:

AE Hygienist: Lee Kitchen

Provide detailed information regarding the ***OBJECTIVE*** of the project, i.e., scope of work, quantity and type of ACM being removed. Removal ***METHODS*** should include descriptions of work practices, type of containment, engineering controls, worker PPE, etc. ***CONDITIONS*** describing the building status, i.e., occupied, non-occupied, and construction activities, etc. ***OBSERVATIONS*** documented chronologically throughout the day (approximately every ½ hour) should note activities, negative pressure, and personnel on-site.

Time:	Observations:
Objective:	To conduct air monitoring during the removal of ACM TSI in glovebags from Room GJ-20. They have glovebags on the ceiling and the outside wall. Crew will be removing approx. 125 ft of TSI pipe insulation.
	Lee Kitchen (IH from Applied Env)
	Randy Phifer (Supervisor from TBN)
Conditions:	The building is occupied, Room GJ-50 is under renovation, fiberglass insulation exposed and is being blown by a vent.
Methods:	The crew is wearing cloth suits and HF respirators. They have hepa vacs for glovebag neg. pressure. They will be using utility knives, scrappers, rags, canister sprayers, ladders ect in the abatement.
Observations:	
6:30 AM	Lee Kitchen and 3 man TBN crew is on-site. We can't get into the building because there are no escorts.
7:20	We get an escort and go to Room GJ-50. John starts

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Laboratory Services Division

AIR SAMPLE RESULTS SUMMARY

Client Name: TBN Associates, Inc.

Project Location: CIA Facility, George Bush Building, Langley, Virginia

Lab Project #: A3150

Client Project #: 004-99-0390

Client Sample #	Lab Sample #	Date Collected	Sample Location	Sample Type	Time On	Time Off	Fibers/ Fields	Total Time (min.)	Volume (Liters)	Concen-tration (f/cc)
OW990702-02	996582	7/2/99	Area - 3' outside doorway, Room GJ50	Ambient	7:30	14:00	6.5/100	390	975.0	<0.01
OW990702-03	996583	7/2/99	Other - N/A	Field Blank			0/100			
OW990702-04	996584	7/2/99	Other - N/A	Field Blank			0/100			

ANALYTICAL METHOD: Air samples were analyzed using National Institute for Occupational Safety and Health (NIOSH) analytical method 7400 (Revision #4, dated August 15, 1994) by Applied Environmental asbestos analytical laboratory. Applied Environmental participates in the NIOSH Proficiency Analytical Testing program and the American Industrial hygiene Association Asbestos Analyst Registry.

APPLICABILITY: The quantitative working range is 0.04 to 0.5 fibers per cubic centimeter (f/cc) for a 1000-L air sample. The LOD depends on sample volume and quantity of interfering dust, and is less than 0.01 f/cc for atmospheres free of interferences.

INTERFERENCES: Any other airborne fiber may interfere since all particles meeting the counting criteria are counted. Chain-like particles may appear fibrous. High levels of non-fibrous dust particles may obscure fibers in the field of view and increase the detection limit.

American Industrial Hygiene Association
Asbestos Analyst Registry Number 8907

Proficiency Analytical Testing (PAT) Program Laboratory Number 22091-001

Roger Loy, Laboratory Manager
David P. O'Konski, CIH, Laboratory Director

11800 Sunrise Valley Drive, Suite 1200
Reston, Virginia 20191
(703) 648-0822
FAX (703) 648-0575

applied environmental inc.

SAMPLING DATA SHEET

Client: TBN

Facility/Bldg. George Bush CIA Bld GT50

Address: McLean VA

Instructions to Lab:

Project #: 004-99-0390

Hygienist: Kitchen

Date: July 6, 1999

Sample ID	Pump #	Sample location (Room/Area)	Pre-Post Calibration	Time On/Off	Total Time	Volume or Area	Result f/cc	Fibers/field	AE Log #
CIALK990706-01	10198	Personal-John Walker -5987	2.5 / 2.5	7:32 / 2:23	376 min.	940 L	0.03	65.5/100	99 7087
02	9626	Area-In Room GT-50 by the main double doors	2.5 / 2.5	7:37 / 2:25	408 min.	1020 L	0.02 ~~0.01~~	43/100 ~~75/100~~	88
03	—	Field Blank					~~0/100~~	0/100	89
04	—	Field Blank					~~0/100~~	0/100	90

Arrival Time: 6:30 AM

Foreman: Randy Phifer

Comments:

Departure Time: 3:00 PM

Company: TBN

Date: 7-6-99

3241

12

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ABATEMENT PROJECT FIELD LOG

Client: TBN Project #: 004-99-0350 Date: June 19 1999

Project Address: George Bush CIA Bld. Langley VA

Regulated Area Locations: Basement Room BC 36 - mini containment by unit AC-21

Abatement Contractor: TBN On-site Supervisor: Sean Sprouse

Third Party Environmental Consultant:

Client Representative On-site:

AE Hygienist: Lee Kitchen

Provide detailed information regarding the ***OBJECTIVE*** of the project, i.e., scope of work, quantity and type of ACM being removed. Removal ***METHODS*** should include descriptions of work practices, type of containment, engineering controls, worker PPE, etc. ***CONDITIONS*** describing the building status, i.e., occupied, non-occupied, and construction activities, etc. ***OBSERVATIONS*** documented chronologically throughout the day (approximately every ½ hour) should note activities, negative pressure, and personnel on-site.

Time:	Observations:
Objective:	To monitor the removal of canvas, fiberglass insulation, mud, and ACM tar paper from the duct work by Air handler AC 21. Crew will also
	Lee Kitchen (IH from Applied Environmental)
	Sean Sprouse (Supervisor for TBN)
Conditions:	The building is occupied, the basement room BC-36 is relatively clean for a boiler room.
Methods:	The crew is wearing cloth suits and HF respirators. The containment is built of 6 mil poly around the air duct. It has a 2 stage decon and a HEPA units provide neg. pressure. Crew is using scrappers, hatchets, garden hose etc in duct insulation abatement

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ABATEMENT PROJECT FIELD LOG

Client: TBN Project #: 004-99-0350 Date: June 19 1999

Project Address: George Bush CIA Bld. Langley VA

Regulated Area Locations: Basement Room BC-36 - mini containment by unit AC-21

Abatement Contractor: TBN On-site Supervisor: Sean Sprouse

Third Party Environmental Consultant:

Client Representative On-site:

AE Hygienist: Lee Kitchen

Provide detailed information regarding the ***OBJECTIVE*** of the project, i.e., scope of work, quantity and type of ACM being removed. Removal ***METHODS*** should include descriptions of work practices, type of containment, engineering controls, worker PPE, etc. ***CONDITIONS*** describing the building status, i.e., occupied, non-occupied, and construction activities, etc. ***OBSERVATIONS*** documented chronologically throughout the day (approximately every ½ hour) should note activities, negative pressure, and personnel on-site.

Time:	Observations:
7:00 AM	Lee Kitchen, Sean Sprouse & 2 min TBN crew is on-site. We drive to the Building
7:30 AM	We are in room BC-36. Crew prepares for work. I suspect the containment - crew fixes a hole.
7:50	Crew is in containment. abatement begins.
8:00	Another crew member arrives on-site.
8:15	He goes into containment and helps in the removal of the band of duct insulation.
8:40	Duct insulation removal continues
9:00	Work continues
9:05	Crew member came out to break and get more scrappers. 90% of the material is off the duct now. He suits up and goes back in

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ABATEMENT PROJECT FIELD LOG

Client: TBN Project #: 004-99-0350 Date: June 19, 1999

Project Address: George Bush CIA Bldg. Langley VA

Regulated Area Locations: Basement Room BC-36 mini containment by unit RC-[illegible]

Abatement Contractor: TBN On-site Supervisor: Sean Sprouse

Third Party Environmental Consultant:

Client Representative On-site:

AE Hygienist: [illegible]

Provide detailed information regarding the ***OBJECTIVE*** of the project, i.e., scope of work, quantity and type of ACM being removed. Removal ***METHODS*** should include descriptions of work practices, type of containment, engineering controls, worker PPE, etc. ***CONDITIONS*** describing the building status, i.e., occupied, non-occupied, and construction activities, etc. ***OBSERVATIONS*** documented chronologically throughout the day (approximately every ½ hour) should note activities, negative pressure, and personnel on-site.

Time:	Observations:
10:00 AM	Crew continues abatement
10:40	Crew begins to bag out debris. They put [illegible] debris on poly sheet next to containment.
11:00	Crew is still bagging out debris
11:30	Crew takes lunch break outside.
12:15	Crew is suiting up to clean up the containment
12:30	Crew is wiping down the duct & collecting debris
12:50	Risky returns w/ more bags and goes into containment
1:20	Risky leaves containment and is double bagging in bag out procedure.
1:40	Sean leaves containment to hang glove bags

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ABATEMENT PROJECT FIELD LOG

Client: TRN **Project #:** 204-99-0350 **Date:** June 19, 1999

Project Address: George Bush CIA Rt. Langley VA

Regulated Area Locations: Basement Room BC-36 mini containment & Ground floor Kitchen fan room GK-45

Abatement Contractor: TRN **On-site Supervisor:** Sean Sprouse

Third Party Environmental Consultant:

Client Representative On-site:

AE Hygienist: Lee Kitchen

Provide detailed information regarding the ***OBJECTIVE*** of the project, i.e., scope of work, quantity and type of ACM being removed. Removal ***METHODS*** should include descriptions of work practices, type of containment, engineering controls, worker PPE, etc. ***CONDITIONS*** describing the building status, i.e., occupied, non-occupied, and construction activities, etc. ***OBSERVATIONS*** documented chronologically throughout the day (approximately every ½ hour) should note activities, negative pressure, and personnel on-site.

Time:	Observations:
2:00 PM	Watch crew hang glove bags
2:30	Conduct final visual inspection in BC-36 mini - it passed - Crew sprays encap. Crew is still putting up glove bags.
3:00	Crew is still hanging glovebags in GK-45 - Start final in mini
3:10	Inspect glove bags - they look good - crew starts removal
3:40	Crew is removing bags from the basement to the loading dock Crew continues glove bag removal
4:00	Crew is done w/ one portion of the glove bag - they area looks clean - they roll down the glove bags. ~~[illegible]~~ Start final in GK-45
4:40	Crew is taking trash to the truck at the loading dock.
5:10	Pulled final - it passed - Crew tears down

16

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ABATEMENT PROJECT FIELD LOG

Client: TRM Project #: 004-99-0350 Date: June 19, 1999

Project Address: George Rush CIA Bld. Langley VA

Regulated Area Locations: Basement Room B1-36 mini containment & Ground Floor Kitchen Fan Room GK-45 glovebags

Abatement Contractor: TRM On-site Supervisor: Sean Spence

Third Party Environmental Consultant:

Client Representative On-site:

AE Hygienist: L. Kilter

Provide detailed information regarding the ***OBJECTIVE*** of the project, i.e., scope of work, quantity and type of ACM being removed. Removal ***METHODS*** should include descriptions of work practices, type of containment, engineering controls, worker PPE, etc. ***CONDITIONS*** describing the building status, i.e., occupied, non-occupied, and construction activities, etc. ***OBSERVATIONS*** documented chronologically throughout the day (approximately every ½ hour) should note activities, negative pressure, and personnel on-site.

Time:	Observations:
5:30 PM	Pulled final from GK-45 - it passed
6:00	Crew finished tear down and leaves the site.

(1)

TBN ASSOCIATES, INC.
11262 OLD BALTIMORE PIKE
BELTSVILLE, MD 20705

(301) 937-5544
FAX (301)-937-2513

Foreman/Supervisor Résumé

Christopher Druin

Christopher Druin is a mechanic and for the last 14 years he has completed the AHERA asbestos abatement training course approved by the States of Maryland and Virginia, the District of Columbia and the EPA.

Mr. Druin's most recent asbestos training is the supervisor's refresher course given by Aerosol Monitoring & Analysis, Inc. on April 1, 2002 entitled EPA AHERA SUPERVISOR REVIEW.

He has also completed the Maryland Lead Based Paint Abatement course given by Aerosol Monitoring & Analysis, Inc.

Below is a list of some of the projects that Mr. Druin has supervised in Maryland, Virginia and Washington, D.C.

Department of the State, Washington, D.C.
Jessup Blair House, Montgomery County Gov't, Silver Spring, MD
Department of the Interior, Washington, D.C.
Various Bldgs, Naval Surface Warfare Center, White Oak Lab. Silver Spring, MD
Various Bldgs, Naval Surface Warfare Center, Indian Head Division Indian Head, MD
Various Buildings, Naval Surface Warfare Center, Dahlgren, VA
Various Buildings, United States Department of Agriculture, Beltsville, MD
Department of Commerce, Washington, D.C.
David Taylor Research Center, United States Naval Academy, Annapolis, MD
Various Buildings, National Institute of Health
United States Courthouse, Washington, D.C.
Office of Personnel Management (OPM/FOB) Washington, D.C.
Suitland Heating Plant, Suitland, Maryland
PEPCO Potomac River Generating Station, Alexandria, Virginia
Various Schools for the Archdiocese of Washington, D.C.
Various Buildings Patuxent River Naval Air Station, Patuxent River, MD
Goodwin House, Alexandria, Virginia

GOVERNMENT
OF THE
DISTRICT OF COLUMBIA

Department of Consumer and Regulatory Affairs
Business Services Division
Business Regulation Administration
941 N. Capitol St. N.E. Room 100
Washington, D.C. 20002

LICENSE

LICENSE TYPE, ISSUED NAME AND ADDRESS

ASBESTOS BUSINESS
620Z 39705700
TBN ASSOCIATES INC

LICENSEE NAME AND ADDRESS

11262 OLD BALTIMORE PIKE
BELTSVILLE MD 20705

MAILING NAME AND ADDRESS

TBN ASSOCIATES INC
11262 OLD BALTIMORE PIKE
BELTSVILLE MD 20705

LICENSE **31008847**

DATE ISSUED **2001/07/18**

VALID FOR THE PERIOD

2001/08/01 - 2003/07/31

It is a violation of the DC regulation 73-22 "Human Rights Law" to discriminate for any reason other than that of individual merit, including but not limited to discrimination by reason of race, color, religion, national origin, sex, age, marital status, personeal appearance, sexual orientation, family responsibilities, matriculation, political affiliation, physical handicap,source of income, and place of residence or business. Failure or refusal to comply with the above shall be a proper basis for the revocation or suspension of this license.

THE LAW REQUIRES THIS LICENSE TO BE POSTED DIRECTOR

TTH71047

Asbestos and (Floor) Polychlorinated Biphenyls Abatement Plan
New Executive Office Building
Federal Office Building No. 7
Washington, DC

Hazardous Material General Notes

There are asbestos removal requirements associated with this project. The sprayed-on fireproofing at the ceiling of vaults number 1, 2 and the primary switchgear room are asbestos containing material (ACM). The underlying floor tile in vaults 1, 2 and 3 are ACM. Areas where the work is to be performed have been assessed and generally are free of lead-based paint (LBP). However, all personnel performing demolition, removal, and installation work will exercise caution and be alert of the possibility that LBP may be present in some of the work areas. Should TBN Associates, Inc. (TBN) suspect the presence of asbestos or LBP that may interfere with the work in any areas not identified on the drawings, TBN will stop work immediately and notify the contracting officer's representative. The housekeeping pads and concrete floors within the containment curbs are assumed to be polychlorinated biphenyl (PCB)-contaminated in all substation rooms. The transformers have had PCB oil leaks on the floors. To ensure the safety and health of the contractor, all substation rooms shall be assumed to have PCB-contaminated concrete within the transformer containment curbs. The General Notes in the drawing assume the floor tile is contaminated with PCB. However, the contracting officer stated during the walk-through that the floor tile will not be considered to be PCB-contaminated.

Asbestos Abatement Work Plan

This asbestos abatement work plan outlines procedures to be followed by TBN while conducting removal of ACM from the New Executive Office Building (NEOB), Federal Office Building No. 7, Washington, DC.

The removal will consist of floor tile and sprayed-on fireproofing from within three different transformer and switchgear rooms in the basement level of the NEOB. These three rooms will be divided into numerous manageable phases. All removal will occur within a negative pressure enclosure.

1.0 Removal of ACM from Within Asbestos Work Areas

The U.S. Environmental Protection Agency (EPA)-certified, District of Columbia-licensed asbestos abatement supervisor will review any available floor plans, emergency evacuation route diagrams, or other information related to appropriate emergency egress routes for all work areas on the site. An emergency egress route shall then be selected based on this information. The selected emergency evacuation route for each work area shall be communicated to the work force at the beginning of each shift and posted at the decontamination chamber. The asbestos abatement supervisor will review this abatement plan, the scope of work, and all appropriate contract documents before arriving on site.

The work crew will bring all equipment and materials on site and take these items and project waste off site using routes designated by the contracting officer. The project supervisor will submit material safety data sheets (MSDS) for all products brought on-site for pre-approval by the contracting officer prior to use.

2.0 Work Area Preparation

All removable furniture and equipment will be removed from the work areas before preparation activities begin. All heating, ventilation, and air conditioning (HVAC) supply and exhaust openings, doors, windows, and other penetrations into the work areas will be properly sealed with 6-mil polyethylene sheeting and duct tape. The work crew will maintain barriers intact daily until the entire project is completed and final clearance is achieved.

A decontamination chamber for each area of work will be constructed in an area approved by the project technical representatives [General Services Administration (GSA) appointed industrial hygienist]. All personnel entering the work areas will use proper personal protective equipment (PPE) and utilize the decontamination chamber upon exit from the work area.

Air filtration devices (AFDs) using high-efficiency particulate air (HEPA) filters will be set up in locations within the work areas that will maximize air flow and generate a negative pressure within the work area. The AFDs will be operated continuously throughout the removal project. A negative pressure of at least negative 0.03 inch of water column will be maintained within the work area until after final clearance.

Regulated areas will be established and demarcated in accordance with 29 Code of Federal Regulations (CFR) 1926.1101(e)(3) and 1926.1101(K)(6). The signs will conform to the format requirements of these Occupational Safety and Health Administration (OSHA) standards. The signs will read:

DANGER
ASBESTOS
CANCER AND LUNG DISEASE HAZARD
AUTHORIZED PERSONNEL ONLY
RESPIRATORS AND PROTECTIVE CLOTHING
ARE REQUIRED IN THIS AREA

Work areas constructed for the removal of asbestos thermal system insulation will consist of mini-containments and/or full containments as the quantity and location of materials in each work area dictates.

3.0 Personnel Safety

In accordance with OSHA standard 29 CFR 1926.1101, the EPA-certified asbestos abatement supervisor will be designated as the "competent person" to oversee the asbestos abatement operations. The competent person will have the authority to

suspend operations if proper practices or regulations are not observed and maintained. Work will resume only after any situation is corrected.

Alternative control methods for Class I work will be approved and certified in writing by a licensed project designer in accordance with 29 CFR 1926.1101(g)(6).

During the removal phase of the project, and before final clearance air sampling, all personnel working inside of the work areas will wear the following PPE:

- full-body disposable coveralls with attached boots (Tyvek® or equivalent),
- disposable gloves, and
- National Institute of Occupational Safety and Health (NIOSH)-approved respiratory protective equipment with HEPA cartridges.

The respirators shall be selected to conform with the requirements of Table D-4 of OSHA standard 29 CFR 1926.1101, and shall be fit tested in accordance with OSHA standard 29 CFR 1910.134. Adjustments of the respiratory protective equipment will be permitted only inside the clean area within the decontamination chamber.

All employees involved in the removal of ACM will receive safety training in accordance with OSHA standard 29 CFR 1926.1101. The training curriculum provided will satisfy the requirements of the EPA's Model Accreditation Program and the regulations of the District of Columbia. If other contractors or trades people are working on the same job site, they will be notified that asbestos abatement operations are taking place, as required under OSHA standard 29 CFR 1926.1101.

4.0 Work Area Isolation

The asbestos removal work areas will be sealed by erecting barriers of 6-mil thickness polyethylene plastic sheeting at all entrances and exits. The plastic sheeting will be sealed with waterproof duct tape and spray adhesive. The decontamination unit will consist of three discreet chambers, each with an overlapping plastic door and a separation distance of at least three feet. The plastic sheeting used to construct the air locks will be weighted so that the sheets close quickly when released.

The walls in the full containment work areas will be covered with six-mil-thick polyethylene sheeting and secured with waterproof duct tape.

All plastic barriers in the work areas will be maintained daily throughout the project. At the beginning of each work period, the enclosures will be visually inspected and any damage or defects in the barriers will be corrected. Inspections will be made at least daily during the project to assure that the integrity of the barriers is maintained.

Special care will be taken when sealing HVAC equipment, lighting fixtures, and electrical panels. All electrical and HVAC items that can be taken off line should be prior to sealing with polyethylene sheeting. All critical barriers shall be installed and verified airtight. Live electrical panels shall be boxed out with wood framing prior to sealing with

polyethylene in order to keep the sheeting from close proximity to hot equipment, and to allow for air circulation.

5.0 Decontamination Chamber

Decontamination chamber units with a separate dirty/equipment room, shower room, and a clean room will be provided. Decontamination chambers will be directly attached to full containment work areas whenever feasible. Decontamination chambers will be located remotely, but as close as feasible to all other work areas. Asbestos-contaminated protective clothing will be removed in the equipment room (while still wearing respiratory protection) and will be bagged as contaminated waste. Respirators will be worn into the shower and will be cleaned and removed in the shower. All workers leaving the work area will take a shower.

6.0 Work Practices

When feasible, all ACM will be sprayed with amended water prior to and throughout the removal process. The wetting agent will be mixed in proportions consistent with the manufacturer's instructions. In this particular case, the work areas house high voltage equipment. The use of water will cause an unsafe work environment. The contractor shall obtain a variance to conduct dry removal of ACM.

Contaminated waste disposal containers will be placed in appropriate areas for use during removal. Damp rags will be used after the material is removed to assure that no visible residue remains.

As each section of the ACM is removed, the waste containers will have water sprayed inside to further control dust generation. All removed ACM and asbestos-contaminated disposal suits and other gear will be placed in approved disposal bags prior to transfer through the airlock system. The containers will be properly labeled in accordance with OSHA standard 29 CFR 1926.1101, and Washington, DC regulations. Labels will read:

DANGER
CONTAINS ASBESTOS FIBERS
AVOID CREATING DUST
CANCER AND LUNG DISEASE HAZARD

All removed ACM and asbestos-contaminated disposal suits and other gear will be placed in approved 6-mill thick opaque polyethylene disposal bags (double bagged and labeled), removed from the work area, and transported off site to a temporary or permanent disposal site at the end of the work shift or as approved by the technical representative.

After cleaning twice with a damp cloth, all surfaces having been in contact with asbestos will be treated with an encapsulant to permanently bind any remaining asbestos fibers and prevent their becoming airborne. All areas exposed to asbestos prior to the setup of the work areas will be wet cleaned and encapsulated.

7.0 Decontamination of Contaminated Materials and Personnel

Immediately following removal and containment of ACM, workers will remove sealed waste bags from the work areas (by way of the decontamination chamber if applicable). All non-disposable tools and equipment will be decontaminated prior to removal from the work areas. The waste bags will be properly disposed following work area final clearance. The AFDs will be thoroughly cleaned and decontaminated, and the filters shall be disposed as contaminated waste. All waste materials will be properly disposed in an EPA-approved waste site in accordance with all applicable federal and District of Columbia regulations.

8.0 Medical Exams

Employees involved in asbestos removal operations will be offered a comprehensive medical examination in accordance with OSHA standard 29 CFR 1926.1101 and its appendices. The medical examination shall include:

- an occupational history,
- determination whether the examinee smokes,
- respiratory history development,
- forced vital capacity test,
- forced expiratory volume (FEB-1) test, and
- chest x-ray (14- by 17-inch posterior/anterior).

The examining physician will certify in writing that the examined employee is capable of working while wearing a negative pressure facepiece respirator. If the physician discovers any respiratory problems, the employee will be removed from further asbestos-related work. Records of employee physical examinations will be maintained for a period of at least 30 years, in accordance with the requirements of OSHA standard 29 CFR 1926.1101 and 20 CFR 1910.20.

9.0 Equipment

The following equipment will be used during asbestos abatement operations.

- Water sprayer - an airless low pressure sprayer.
- Vacuum cleaner – a HEPA vacuum cleaner that meets applicable American National Standards Institute (ANSI) standards.
- Local exhaust system – AFDs equipped with HEPA filter stage that meets ANSI standards and OSHA requirements.
- Respirators – selection of respiratory protective equipment shall be dependent on the particular asbestos abatement operation and shall be approved by a Certified Industrial Hygienist (CIH).

10.0 Accident Prevention

Caution will be exercised at all times for the protection of persons (including employees) and property from hazards.

11.0 Air Monitoring

In accordance with OSHA standard 29 CFR 1926.1101, air monitoring will be conducted during the initial startup of all removal operations. The GSA industrial hygienist will conduct air monitoring and provide project oversight. Ambient air samples will be collected within the work area and outside the work areas in adjacent spaces. The contractor's industrial hygienist will perform exposure measurements. Exposure measurements will consist of personal monitoring representing the employees' eight-hour breathing zone exposure and 30-minute short-term exposure limit sampling.

Workers will at no time be exposed to eight-hour time-weighted average (TWA) breathing zone levels of asbestos fibers (longer than five microns with a three to one aspect ratio) in excess of 0.1 fiber per cubic centimeter (f/cc), or above 1.0 f/cc as a 30-minute short-term exposure, in accordance with OSHA standard 29 CFR 1926.1101. All air samples will be analyzed on site using the NIOSH 7400 Method or equivalent, and the analyses will be performed by laboratory analysts who successfully participate in the NIOSH Proficiency Analytical Testing (PAT) program.

Prior to releasing a regulated area, the industrial hygienist will perform a visual inspection for asbestos residue. After a satisfactory visual inspection, post-abatement clearance testing will be conducted in accordance with District Columbia regulations. The post abatement clearance samples requiring analysis using transmission electron microscopy (TEM) will be performed in accordance with District of Columbia regulations.

12.0 PCB Contaminated Paint Abatement Plan

All abatement activities will be performed in full compliance with applicable OSHA regulations (CFR 29 Parts 1910.1025, OSHA General Industry for Lead; 1926, OSHA Construction; 1926.62, OSHA Lead in Construction), applicable EPA regulations (40 CFR 260-299, EPA Resource Conservation and Recovery Act; and 40 CFR 300-399, EPA Comprehensive Environmental Response Compensation and Liability Act) and U.S. Department of Transportation (DOT) regulations 40 CFR 171-180: DOT Hazardous Material Regulations.

13.0 Work Activities

The primary project activity presenting a potential risk of exposure is the removal of PCB contaminated paint. TBN's EPA-trained abatement workers will perform this activity.

The paint removal will involve PCBs. The specifications indicate that the paint on the pads and curbs contains PCBs. These items may have come in contact with small amounts of leaking oils and, therefore, are being removed as possibly PCB-contaminated.

TBN will have personnel trained in OSHA's 40-hour hazardous waste operations and emergency response (HAZWOPER) on site at all times. These trained personnel will be responsible for identifying and overseeing potential PCB hazards and wastes.

All painted floor surfaces, including containment curbs in vaults 1, 2, and 3, are PCB contaminated. TBN will follow procedures for PCB clean up outlined in the drawing notes under "PCB Clean-up: Double Wash/Rinse Method".

Paint removal will occur on designated areas of the concrete pads and floors and other components and equipment. During renovation, the building will be occupied. Abatement and/or demolition activities will comply with submittal information and precautions will be taken to protect building occupants and unaffected adjacent areas from exposure to contaminated dust.

TBN will remove the paint from the concrete pads and curbs by using "Peel Away," a chemical stripper, and/or by manual scraping. MSDS will be provided for all chemical removers proposed for use. The abatement crew will apply "Peel Away" using brushes and trowels. The areas adjacent to the application will be protected with polyethylene drop clothes. Workers will cover the applied "Peel Away" with paper and allow it to cure approximately 24 hours. After curing, workers will remove the paper and lead paint by hand. Residual paint will be removed by manual wet scraping or brushing. All "Peel Away"/paper waste, polyethylene, disposable suits, rags, and paint waste will be drummed for disposal as hazardous waste in accordance with EPA regulations. Open flame burning, dry scraping, and machine sanding without attached HEPA filtration methods will not be used at any time.

Before beginning paint or adhesive removal in any area, TBN will cover all surfaces that may accumulate dust or scrapings with six millimeter plastic sheeting taped securely in place. Barriers and coverings will be adequate to ensure that dust, debris, and fumes are contained within the work area and do not contaminate building surfaces. Warning signs will be placed at the entrance to work control areas. Exits and stairwells will not be blocked without the permission of the contracting officer.

Engineering controls including HEPA filtration units and wet removal methods also will be implemented for all paint removal activities. If painted surfaces will not be demolished but will be disturbed (drilled, cut, scraped), tools equipped with HEPA filtered vacuum systems will be used.

Surfaces in the control area will be maintained free of accumulations of paint chips and dust. Spread of dust and debris will be restricted. Dry sweeping or compressed air will not be used for cleanup. At the end of each work period, workers will HEPA vacuum and collect all debris to maintain surfaces free of paint chips and dust accumulation.

At the conclusion of abatement activities, workers will HEPA vacuum and damp clean the area with an anionic solution such as trisodium phosphate (TSP). The area will be cleaned until visibly free of all debris and dust. If the contracting officer or designated representative finds the area unacceptable, TBN will re-clean the area until acceptance is gained. Final inspections will be performed by the contracting officer and/or designated representative.

All paint removal wastes will be cleaned up and containerized daily. Wastes will be containerized in DOT approved 55-gallon drums for disposal off-site as hazardous wastes. Drums will be labeled and manifested in accordance with DOT and EPA disposal regulations. All waste containers will be properly cleaned and decontaminated prior to removal from the removal work area. TBN will dispose of this waste as PCB.

TBN will provide a copy of each waste manifest to the contracting officer and designated facility contact at the time shipment is made. Within 30 days from when the hazardous waste treatment storage and disposal facility (TSDF) receives the waste, a completed copy of the manifest will be provided to the contracting officer and facility contact. Certificates of Destruction or Disposal will be provided to the same parties within 90 days of delivery of waste to the TSDF.

14.0 Worker Protection

All workers will use PPE and work practices while in the removal areas. All workers on the project will be participants in a medical surveillance program. This includes, but is not limited to, blood lead levels, ZPP, or FEP level sampling and analysis.

During all paint removal operations, at a minimum workers will use full-body Tyvek disposable suits, latex gloves, safety shoes, hard hats, safety glasses, and the appropriate level of respiratory protection. At a minimum, all workers will use half-face, air-purifying respirators (APR) with HEPA cartridges during all paint abatement activities.

Workers will use a decontamination chamber adjacent to the paint removal and abatement work areas. Worker decontamination will occur using HEPA vacuums to vacuum gross debris from disposable clothing and, at a minimum, workers will use hand soap and water to thoroughly decontaminate unprotected skin areas (e.g., hands and face). Workers are to use the decontamination facilities each time the work area is exited. Disposable coveralls will be placed in abatement waste on a daily basis after use.

T.B.N.
ASSOCIATES
INCORPORATED

INDUSTRIAL • INSULATION • CONSTRUCTION
ASBESTOS REMOVAL

11262 OLD BALTIMORE PIKE
BELTSVILLE, MD 20705
TEL. (301) 937-5544
FAX (301) 937-2513
(800) 876-9745

Asbestos Waste Hauler & Landfill (Disposal Plan)

All asbestos trash will be double bagged in approved 6 mil asbestos trash bags and will bear the following: "DANGER - CONTAINS ASBESTOS FIBERS - AVOID CREATING DUST - CANCER AND LUNG DISEASE HAZARD." The bags will also be labeled with the following information: TBN ASSOCIATES, INC.; MD LICENSE NO. M21-16-005 OR VIRGINIA LICENSE NO. 3306 000105 (WHICH EVER IS APPLICABLE); THE NAME AND LOCATION OF THE PROJECT; THE BUILDING OWNER AND THE DATE THE BAG IS SEALED.

THE TRASH WILL BE HAULED BY:

SERVICE TRANSPORT GROUP
P. O. BOX 2132
BRISTOL, PA 19007
PHONE (877)999-9559

AND DISPOSE OF AT THE FOLLOWING LANDFILL:

BFI IMPERIAL LANDFILL
ROUTE 90 & BOGGS ROAD
IMPERIAL, PA 15926
PHONE (724) 695-0900
PERMIT NUMBER: 100620

ER—WM—8: Rev. 1/86

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WASTE MANAGEMENT

Permit
For
Solid Waste Disposal and/or Processing Facility
FORM NO. 8

Permit No. 100620 Amended
Date Issued August 29, 1990
Date Expired ~~August 29, 2000~~
Sept. 23, 2005
See attached

Under the provisions of the Pennsylvania Solid Waste Management Act of July 7, 1980, Act 97, a permit for a solid waste disposal and/or processing at (municipality) Findlay Township in the County of Allegheny is granted to (applicant) Browning-Ferris Industries of Pennsylvania, Inc.
(address) Pittsburgh District, P.O. Box 448
Carnegie, PA 15106

This permit is applicable to the facility named as BFI No. 1 Sanitary Landfill Area 7 and described as:

Latitude: 40° 26' 54"
Longitude: 80° 16' 31"

This permit is subject to modification, amendment and supplement by the Department of Environmental Resources and is further subject to revocation or suspension by the Department of Environmental Resources for any violation of the applicable laws or the rules and regulations adopted thereunder, for failure to comply in whole or in part with the conditions of this permit and the provisions set forth in the application no. 100620 (amended) which is made a part hereof, or for causing any condition inimical to the public health, safety or welfare.

See attachment for waste limitations and/or special conditions

Charles A. Dunton
FOR THE DEPARTMENT OF ENVIRONMENTAL RESOURCES

THIS PERMIT IS NON—TRANSFERABLE

Attachment No. 2

Procedures for the Management of Asbestos Containing Waste(s) (ACW)

1. Prior to the disposal of ACW from any source, Browning Ferris Industries of Pennsylvania, Inc. shall receive a letter from the contractor or waste generator stating the source of the waste, type of the waste (friable or non-friable), method of packaging, and amount of waste. The disposal facility shall submit a copy of the disposal request from the contractor or source with their cover letter within five (5) working days after receiving the request. Additionally, the disposal facility shall receive at least one (1) day prior notification before disposal from the generator, contractor, or transporter of any shipment of ACW that is to be received for disposal at the landfill. Unless otherwise stipulated by the Department prior approval for the ACW disposal is not necessary.

2. The disposal facility shall keep and maintain daily logs regarding the disposal of ACW. These logs shall contain at a minimum the following information for each shipment of ACW: date of each shipment of ACW received at BFI No. 1 Sanitary Landfill Area #7, source(s) of ACW and contractor(s) if applicable, transporter, method(s) of packaging, type(s) of ACW (friable or non-friable), and amount(s) for disposal (normally in bags or drums if friable and by weight or cubic yards if non-friable). (Note: All ACW shall also be weighed.) These logs shall be made available for inspection by Department personnel or personnel from the Allegheny County Health Department. Copies of the logs shall be submitted to the Department on a monthly basis within five (5) days after the end of each month and also submitted with the Annual Operational Report.

3. The ACW if it is friable, shall be placed in either multiple leak-proof plastic bags having a total thickness of 12 mils or placed in single/multiple leak-proof plastic bags having a total thickness of 6 mils and sealed in steel or heavy duty fiberboard drums. The friable ACW shall have been previously formed into a non-friable form, or alternatively treated with water before packaging. The containers shall be labeled "ASBESTOS" prior to being transported to the disposal facility. If the ACW is non-friable it does not require processing or special packaging (bagging), as long as the waste is not rendered friable at any stage.

4. If the friable ACW is transported through Allegheny County, the Allegheny County Health Department (ACHD) requires that the plastic bags which contain the ACW be sealed in steel or heavy-duty fiberboard drums for transportation purposes to the landfill. This requirement by the ACHD applies regardless of total bag thickness. However, if the total bag thickness is 12 mils or more, the bags may be removed from the drums at the disposal site and only the bags with the ACW buried. On the other hand, if the total bag thickness is 6 mils, the permittee shall comply with Condition No. 5 below.

5. If the ACW has been placed in bags having a total thickness of 6 mils then sealed in drums, the bags with the ACW cannot be removed from the drums and the drums shall be buried intact at the disposal site.

6. The ACW shall be transported to the landfill in a covered non-compaction vehicle.

7. The location(s) of cell(s) in which ACW are placed shall be delineated on a topographical map which utilizes a grid and/or coordinate system as specified in 25 Pa. Code §273.133. This map or copies of this map shall be kept as part of the daily logs and shall be presented for inspection if requested by the Department.

8. All ACW accepted at the site for disposal shall be immediately covered with a minimum of six inches of earthen cover material (or another material approved by the Department). Care shall be exercised to ensure that no drums or bags are ruptured during the disposal and covering operation.

9. ACW shall not be stored on site. If for any reason it is not possible to cover the waste immediately, ACW shall not be accepted at the disposal facility.

10. The ACW shall either be placed in a segregated area of the landfill, or if the ACW is co-disposed with other waste, it shall be placed together in one place as a part of a lift(s) and/or cell(s) separate from all other wastes. The other wastes shall only be disposed after the ACW is covered. This shall be accomplished in a manner that would insure that no visible emission will be released by disturbing the cover and puncturing the containers of the ACW.

11. If ACW is disposed on more than fifty percent (50%) of the active disposal days in any calendar month, the ACW shall be disposed in a segregated area of the landfill.

12. Unless otherwise directed by the Department, ACW disposed at the landfill shall not be excavated or otherwise disturbed.

13. It will also be necessary that Air Quality Regulations as stated in 40 CFR Part 61 (Subpart M or more current revisions if promulgated), National Emission Standards for Hazardous Air Pollutants shall be met.

14. This permit modification only pertains to ACW. Other wastes which may be similar to ACW may require prior written Department approval before disposal. Additionally, ACW which is packaged in a manner different than described above shall require prior approval by the Department.

15. The disposal of ACW may be restricted or revoked by the Department if the following conditions are determined to exist:

    a. If Browning Ferris Industries of Pennsylvania, Inc. does not comply with the above stated procedures for ACW disposal.

    b. The waste is not handled and disposed of in an environmentally sound manner.

    c. The disposal of the waste creates, alone or in conjunction with other waste, a nuisance, environmental harm, or a hazard to the public.

d. The Federal Resources Conservation and Recovery Act Regulations promulgated under the Pennsylvania Solid Waste Management Act of 1980, (Act 97) conflict with any of the conditions of this above approval.

e. This Solid Waste Management facility is operated contrary to the Solid Waste Management Act; the Act of July 7, 1980; Air Pollution Control Act, Act of June 8, 1960, P.L. (1959) 2119, as amended; the Clean Streams Law, Act of June 22, 1937, P.L. 1987, as amended; or the Rules and Regulations promulgated thereunder; or any orders of the Department; or any term or any condition of any applicable permit issued by the Department for this facility.

ASBESTOS PACKAGING, LABELING & ACCEPTANCE REQUIREMENTS

I. Packaging

A. Non-Friable Asbestos

Non-Friable asbestos will be acceptable only when thoroughly wetted, but not dripping wet, and the load is wrapped and sealed in plastic prior to arrival. Additionally, all loads must be tarped.

B. Friable Asbestos

Friable asbestos must be wetted, doubled bagged in polyethylene bags of minimum 6 mil. thickness, or single bagged and placed in fiber drums. Additionally, all loads must be tarped, or arrive in sealed non-compacting containers.

II. Warning Labels

Each individual bag or inner liner which contains asbestos waste must contain the following warning label and the label be of a size no smaller than three by five inches (3" x 5"):

**"DANGER-CONTAINS ASBESTOS FIBERS.
AVOID CREATING DUST. CANCER AND
LUNG DISEASE HAZARD"**

In addition to the above label, each bag or container must be labeled with the name of the waste generator and address where the waste was generated.

III. Manifesting Requirements

Each load of friable or non-friable asbestos must be accompanied by a BFI Non-Hazardous Waste Asbestos Manifest. The manifest must be fully completed including:

A. Section I - Generator Information, Description of Waste, and Generator Authorized Agent Signature and Shipment Date

B. Transporter Information

C. Section IV Asbestos - Include Operator information and signature (the Operator is either the generator or the contractor performing the asbestos remediation), and type of asbestos.

IV. DOT Shipping Description

Friable Asbestos with no commercial value (i.e., it is being disposed) which meet or exceeds the reportable quantity of one (1) pound in one (1) package will have the following DOT shipping description:

RQ, Asbestos, 9, NA 2212, PG III

This must appear under Section II, Description of Waste, on the BFI Non-Hazardous Waste Manifest. Non-friable asbestos is not regulated for transportation by the D.O.T.

V. Landfill Acceptance Timeframe

-The landfill must have 24 hours advance notice for each asbestos shipment. ***A Service Agreement and Method of Payment must be established prior to the 24 hour delivery notice applying.**

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTE MANAGEMENT

FORM NO. 13-A
MODIFICATION TO SOLID WASTE DISPOSAL AND/OR PROCESSING PERMIT

Under the provisions of Act 97, the Pennsylvania Solid Waste Management Act, the Act of July 7, 1980, P.L. 380, 35 P.S. §6018.101 et seq., Solid Waste Permit Number 100620 issued on August 29, 1990 to Browning-Ferris Industries of Pennsylvania, Inc. ("BFI"), P.O. Box 47, Route 980 and Boggs Road, Imperial, PA 15126 for the operation of the Imperial Landfill located in Findlay Township, Allegheny County is hereby modified as follows:

1. This permit modification is issued in response to Solid Waste Management Application No. 100620 dated October 5, 1995. Subsequent revisions and addendums are approved by the Department and are a part of this modification.

2. This approved application consists of the following documents:

Form No./Letter	Form Title	Date (Revision)
Form A	Application For Municipal or Residual Waste Permit	10/2/95
Form B	Professional Certification	9/26/95
Form B1	Application For Certification	9/26/95
Form C1	Compliance History Certification	10/2/95
Form F	Soils Information - Phase I	10/5/95 (11/13/96)
Form I	Soil Erosion and Sedimentation Control	10/5/95 (11/13/96)
Form P	Incinerators and Other Processing Facilities	11/8/95 (5/28/96 and 10/11/96)
Form 1	Facility Plan	10/5/95 (5/28/96 and 11/13/96)
Form 14	Operation Plan - Phase II	10/5/95
Form 24	Liner System - Phase II	10/5/95 (5/28/96 and 11/13/96)

This modification shall be attached to the existing Solid Waste Permit described above and shall become a part thereof effective on December 5, 1996.

FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTE MANAGEMENT

FORM NO. 13-A
MODIFICATION TO SOLID WASTE DISPOSAL AND/OR PROCESSING PERMIT

Permit No. 100620

Form 25	Leachate Management - Phase II	10/5/95 (5/28/96)
Form 36	Request for Approval to Dispose of Municipal Incinerator Ash Residue	10/5/95
Form Q	Request for Equivalency Review - C&D Waste as Daily Cover	10/5/95
Form Q	Request for Equivalency Review - Protective Cover Maximum Particle Size	10/5/95 (5/28/96 and 11/13/96)
Form Q	Request for Equivalency Review - Geonet Leachate Detection Zone	5/28/96
Form Q	Request for Equivalency Review - Tire Chips as Protective Cover	10/5/95
Form Q	Request for Equivalency Review - Residual Waste as Daily Cover	10/5/95
Form Q	Request for Equivalency Review - Foam as Daily Cover	10/5/95
Correspondence		11/7/95
Correspondence		5/28/96
Correspondence		8/15/96
Correspondence		9/5/96
Correspondence		10/11/96
Correspondence		11/11/96
Correspondence		11/12/96

Drawing No.	Drawing Title	Date (Revision)
94-303-E11	Title Sheet	9/27/95 (5/24/96)
94-303-E16	General Arrangement Plan	10/5/95
94-303-E1	Area 2A Boring Location Plan	9/27/95
94-303-E15	Area 2A Excavation Plan	9/27/95
94-303-E14	Area 2A Top of Clay Plan (Primary Liner)	9/27/95
94-303-E9	Area 2A Final Grading Plan	9/27/95 (11/12/96)
94-303-E4	Area 2A Cross-Section A-A	9/27/95 (11/12/96)
94-303-E8	Area 2A Liner & Final Cover System Details (Sheet 1 of 2)	9/27/95 (5/24/96)
94-303-E10	Area 2A Liner & Final Cover System Details (Sheet 2 of 2)	9/27/95 (5/24/96)

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTE MANAGEMENT

FORM NO. 13-A
MODIFICATION TO SOLID WASTE DISPOSAL AND/OR PROCESSING PERMIT

Permit No. 100620

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3. This permit modification extends the expiration date of Solid Waste Permit No. 100620 until September 23, 2005.

4. This permit modification authorizes the addition of 24.0 acres, designated as Area 2A as shown on Drawing 94-303-E16 of the approved drawing set, to the lined disposal area previously approved at the facility. This increase in disposal area, along with the revised final grading plan shown on Drawing 94-303-E9 and airspace calculations contained in Exhibit 1-1 of the approved Form 1, will not increase the capacity of the facility.

5. This permit modification approves revisions to the liner system to replace the previously permitted 3-foot compacted clay element of the primary liner along the side slopes of the lined disposal area with Bentomat® or Claymax® geosynthetic clay liners manufactured by Colloid Environmental Technologies Company, or other manufacturers as approved by the Department pursuant to Permit Condition No. 7 below, as described in the revised Form 24. Approval is further given to reduction of the depth of the clay element of the primary liner along the base slopes from three feet to two feet.

6. This permit modification approves revisions to the Excavation Plan as shown on Drawing 94-303-E15, the revised top elevations of the clay element of the primary liner as shown on Drawing 94-303-E14 and the final cover elevations as shown on Drawing 94-303-E9. Future modifications of the final cover elevations to those previously approved under the permit dated August 29, 1990 may be requested as a permit modification, provided that the Public Notice Requirement of 25 Pa. Code §271.141 and the applicable requirements of the Department's Host Community, Environmental Assessment, Daily Volume, and Traffic Safety Policies are satisfied when they become available.

7. This permit modification approves the revised construction Quality Assurance/Quality Control Plan as presented in the revised Attachment 22 to Form 24. This approval is subject to the following:

   a. Generic specifications of geosynthetic liner and cap elements approval is subject to the following requirements:

      i. At least thirty (30) days prior to the use of a geosynthetic material from a non-approved manufacturer that conforms to the minimum design standards approved in this modification, the permittee shall submit the following information to the Department regarding the new manufacturer's material:

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTE MANAGEMENT

FORM NO. 13-A
MODIFICATION TO SOLID WASTE DISPOSAL AND/OR PROCESSING PERMIT

Permit No. 100620

A. A comparison of the approved design specifications to the manufacturer's product specifications.

B. Site specific interface direct shear data confirming that the friction angle and cohesion of the proposed product achieve the values of those set forth in the approved specifications.

C. EPA 9090 or 9100 test data, or other tests as approved by the Department, confirming the compatibility of the facility's leachate with the proposed manufacturer's product.

ii. Written approval from the Department is required prior to installation of any material that has not been previously approved at the facility.

b. The maximum particle size for granular daily cover materials shall not exceed six inches unless the demonstration program authorized in Permit Condition No. 3 of the permit modification dated March 5, 1996 is performed and its results are approved by the Department in writing.

8. This permit approves the revisions to the stormwater drainage plan within and around the lined disposal area as described in the revised Form I and as shown on Drawing Nos. 94-303-E8 and 94-303-E9 of the approved drawing set.

9. This permit modification authorizes the replacement of the 12-inch granular drainage layer of the approved final cover system with a double-sided geocomposite drainage layer as described in the revised Form 24 and as shown on Drawing No. 94-303-E8 of the approved drawing set.

10. This permit modification authorizes the construction and operation of solidification basin(s) within the lined disposal area of the facility as described in the approved Form P. This authorization is subject to the following conditions:

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTE MANAGEMENT

FORM NO. 13-A
MODIFICATION TO SOLID WASTE DISPOSAL AND/OR PROCESSING PERMIT

Permit No. 100620

---

a. Operation of the solidification basin(s) shall be conducted in a manner that minimizes the potential for air dispersal of waste constituents and odor generation. The acceptance of wastes containing free liquids, and the process of solidifying those wastes at the facility, shall not produce any environmental or public health impact beyond those associated with normal landfill operations or otherwise contribute to the exceedance of an applicable standard for air contaminants as set forth in 25 Pa. Code Chapter 123.

b. An evaluation shall be conducted to assess the potential for chemical incompatibility and odor generation for all wastes accepted for solidification. For sources and types of wastes that will be accepted for the first time, the evaluation shall include bench-scale testing wherein samples of the waste and available solidifying agents are combined in an appropriate vessel and observations made of chemical reactivity, heat generation and/or odors.

c. A log shall be maintained relative to waste solidification activities. Entries in this log shall include the results of bench-scale testing, the date and time of each batch processed, the type and source of the waste, the type and source of the solidifying agents, paint filter test results, occurrence of airborne dispersal of waste constituents or odor generation, temperature changes during solidification, any other visible changes and the dates of basin washing. This log shall be kept onsite for inspection by representatives of the Department, the Allegheny County Health Department and the host municipality.

11. This permit modification authorizes the acceptance of municipal waste ash (MWA) for disposal at the facility as described in the approved generic Form 36. Acceptance of MWA shall be conducted in a manner that conforms to the requirements of the Department's Policy No. 254-2160-762, "Management of Municipal Waste Incinerator Ash Residue". Specific applications for MWA disposal, for new incinerators and those currently in operation, shall contain sufficient analytical information to statistically show that the waste stream is not hazardous. The amount of data required for the initial characterization of the ash must meet the standards of the policy. For currently operating incinerators, consideration can be given to timeframes for sample collection that differ from the policy. The data presented shall be recent, and recharacterizations of the ash shall meet the specific requirements of the policy, for both new and existing incinerators.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTE MANAGEMENT

FORM NO. 13-A
MODIFICATION TO SOLID WASTE DISPOSAL AND/OR PROCESSING PERMIT

Permit No. 100620

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12. This permit modification authorizes the use of select construction/demolition waste, as defined in 25 Pa. Code §271.1, as an alternate daily cover in the manner described in the approved Form Q. This authorization is subject to the following conditions:

    a. The approval to use construction/demolition waste as daily cover shall not be construed as a beneficial use approval or co-product determination and all waste acceptance, recordkeeping, fees and reporting requirements applicable to wastes accepted for disposal apply to constructin/demolition waste used as cover.

    b. Construction/demolition waste used as daily cover shall meet the performance standards of 25 Pa. Code §273.232(b) and be tested, evaluated and controlled in the manner required for daily cover soil set forth in Table 3 of the approved Construction Quality Assurance Plan contained in Attachment 22 to Form 24.

    c. The construction/demolition waste used as daily cover shall be visually evaluated for combustible material. At a minimum, 88% by volume of this construction/demolition waste shall be noncombustible and shall not possess a maximum particle size in excess of six inches.

    d. At the completion of each work week, a conventional soil cover shall be applied to all visible construction/demolition wastes placed on the working face during that week.

13. This permit modification authorizes the use of residual wastes, as defined in 25 Pa. Code §271.1, that are "soil-like" as an alternate daily cover as described in the approved Form Q, with the exception of fuel contaminated soils. This authorization is subject to the following conditions:

    a. The approval to use residual waste as daily cover shall not be construed as a beneficial use approval or co-product determination and all waste acceptance, recordkeeping, fees and reporting requirements applicable to wastes accepted for disposal apply to residual waste used as cover.

    b. The permittee shall notify the Department in conjunction with the procedures set forth in the approved Waste Analysis Plan for the facility for each new generator of waste that will be used as cover. The notification shall include:

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTE MANAGEMENT

FORM NO. 13-A
MODIFICATION TO SOLID WASTE DISPOSAL AND/OR PROCESSING PERMIT

Permit No. 100620

---

i. A statement on the Form U or in its accompanying transmittal letter submitted to the Department explicitly indicating that the referenced material is a candidate for use as daily cover.

ii. The results of sieve and hydrometer analyses performed in accordance with ASTM D-422 establishing that the material meets one of the textural classes of 25 Pa. Code §273.232(c)(1).

iii. The results of a grain size distribution test performed in accordance with ASTM D-422 establishing that the material possesses a fines content of at least 40% pursuant to 25 Pa. Code §273.232(c)(2).

iv. The results of a combustibility test performed in accordance with ASTM D-2974 Method D establishing that the material is non-combustible pursuant to 25 Pa. Code §273.232(c)(3) unless the proposed residual waste contains insignificant organic content or was generated in a process that subjected it to temperatures in excess of that specified in the designated test procedure for sufficient time to consume any organic compounds present.

c. The residual waste used as daily cover shall not possess a maximum particle size in excess of six inches unless an equivalency review requested in accordance with 25 Pa. Code §271.231 for daily cover containing larger sizes is approved by the Department.

d. All residual wastes accepted for use as daily cover shall be stored within the lined area of the landfill in a manner that conforms with residual waste storage requirements of 25 Pa. Code §299.

14. This permit modification authorizes the use of an alternative protective cover comprised of no less than 15 inches of waste tire chips above one foot of approved protective cover aggregate in the manner described in the approved Form Q. This authorization is subject to the following conditions:

a. The approval to use waste tires in the protective cover shall not be construed as a beneficial use approval or co-product determination and all waste acceptance, recordkeeping, fees and reporting requirements applicable to wastes accepted for disposal apply to waste tires used in the protective cover.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTE MANAGEMENT

FORM NO. 13-A
MODIFICATION TO SOLID WASTE DISPOSAL AND/OR PROCESSING PERMIT

Permit No. 100620

---

b. The authorization for use of waste tires in the protective cover does not include approval to operate a waste tire processing facility at the site.

c. Storage of whole and/or chipped tires at the facility shall be conducted in accordance with Department Policy No. 254-2163-742, "Management of Waste Tires".

15. This permit modification authorizes the permittee to conduct a 30-day demonstration program to establish that a 3-inch depth of Rusmar AC-645 Foam achieves the performance standards of 25 Pa. Code §273.232(b) as described in the approved Form Q. This authorization is subject to the following conditions:

a. The permittee shall notify the Department at least fifteen (15) days prior to initiation of the demonstration program. The program shall cease thirty (30) days after its initiation unless extended by the Department in writing.

b. A Demonstration Plan Log, as presented in the attachment to the approved Form Q, shall be completed on a daily basis during the demonstration period.

c. Use of foam as daily cover is prohibited during periods in which high winds or heavy rain are anticipated or when waste will not be placed on the next calendar day.

d. If at any time during the course of the demonstration it is observed that odors, vectors, or blowing litter are not prevented to the extent observed when approved soils are used as daily cover, the demonstration shall be immediately discontinued and further consideration of this product shall cease.

e. A report documenting the results of the demonstration program shall be submitted within thirty (30) days of completion of the program. All relative data, including: daily logs, photographs, video tapes, etc. shall be included in the report.

16. The permit modification authorizes the use of protective cover aggregate with a maximum particle size of 1-inch that conforms to the grain size distribution shown in the approved Form Q.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WASTE MANAGEMENT

FORM NO. 13-A
MODIFICATION TO SOLID WASTE DISPOSAL AND/OR PROCESSING PERMIT

Permit No. 100620

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17. The permit modification approves replacement of the 12-inch granular leachate detection zone of the approved liner system with a double-sided geocomposite drainage layer as described in the approved Form Q and as shown on Drawing No. 94-303-E8 of the approved drawing set.

18. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit modification, the terms and conditions shall apply.

19. Unless amended by this permit modification or previously approved modification, all design and operational requirements stipulated in Solid Waste Permit No. 100620, issued August 29, 1990 remain valid for this permit modification.

MATERIAL SAFETY DATA SHEET

(Essentially similar to OSHA form 174, Sept. 1985
For compliance with OSHA's Hazard Communication Standard, 29CFR 1910.1200)

FIBERSET FT™ AND FIBERSET PM™

SECTION I: **PRODUCT IDENTITY:** FT: #6470 white & #6475 clear; PM: #7470 white & 7475 clear

Name: Fiberlock Technologies, Inc.
630 Putnam Avenue
Cambridge, MA 02139-0432

Date of Preparation: 2/12/91
Information Phone Number: (617) 876-8020
Emergency Phone Numbers:
Weekdays (617) 876-8020
Weekends & Holidays (508) 887-5926 or
"CHEM-TEL" Emergency Contact Number
(800) 255-3924

SECTION II: **HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Hazardous Components:	Common Names:	CAS No.:	OSHA PEL or ACGIH TLV:

None per the limits for reporting set forth in 29CFR 1910.1200

SECTION III: **PHYSICAL/CHEMICAL CHARACTERISTICS** (See Reference Notes)

Boiling Points of Major Constituent(s):	Water-212°F
Specific Gravity (Water=1) lbs/gal:	8.5 lbs/gal
Vapor Pressure (mm Hg) at 100° C:	760 mm
Melting Point Water (Ice):	Above 32°F
Vapor Density (AIR=1):	Heavier
Evaporation Rate (Butyl Acetate=1):	Slower
Solubility in Water:	Complete
Appearance:	Liquid
Odor:	Slight ammoniacal odor

SECTION IV: **FIRE AND EXPLOSION HAZARD DATA** - Non-flammable

Flash Point: Non-combustible
Flammable Limits: LEL: N/A UEL: N/A
DOT Hazard Class: Not Regulated
Marking: "KEEP FROM FREEZING"

SECTION V: **REACTIVITY DATA**

Hazardous Polymerization: Will not occur
Stability: Stable
Incompatability: Avoid contact with: Strong oxidizing agents (e.g. nitric acid, permanganates)
Hazardous Decomposition Products: Some carbon monoxide

SECTION VI: **HEALTH HAZARD DATA/TOXICITY DATA** (See Toxicity Info.)

Route(s) of Entry: N/A
Carcinogenicity?: NO
Health Hazards (Acute and Chronic):
EFFECTS OF OVEREXPOSURE: Inhalation: Vapors or spray mists may be slightly irritating to the eyes, nose, throat, and mucous membrane of the respiratory tract, producing symptoms of a headache and nausea in poorly ventilated areas. Skin Contact: Prolonged or repeated contact with coating may cause slight skin irritation. Eye Contact: Direct contact; inconsequential eye irritation.
EMERGENCY AND FIRST AID PROCEDURES: Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes and consult a physician. Skin Contact: Wash skin thoroughly with soap and water. If drenched, remove and wash clothing before reuse. Ingestion: If victim is conscious, give 2 glasses of water. Call a physician.

Toxicity Information: The effects of overexposure shown in Section VI are based on acute toxicity profiles for a number of special emulsions that are compositionally similar to this product. Typical values are: Rat, oral LD50:>5.0 g/kg; Rabbit, dermal LD50:>5.0 g/kg; Rabbit, skin irritation: practically non irritating--72 hour Mean Irritation Score = 0 to 2: Rabbit, eye irritation: Inconsequentially irritating.

Industrial Hygienist
Seneca Health & Safety

Testing Laboratory
AMA Analytical Services, Inc.

SERVICES

Seneca Health and Safety, Inc. provides full-service health and safety support to identify, evaluate, and control hazards in the work environment. Seneca performs hazard assessments, health & safety monitoring, project management, program development, and training for a wide range of private and public sector clients. Seneca's industrial hygienists consult on indoor air quality issues, asbestos and lead paint management, and work-site health and safety. Seneca's industrial hygienists and safety professionals are highly experienced in providing support to contractors, architects, engineers, property developers, and building owners. Services currently provided include:

- Management of asbestos, lead, and other hazardous materials in the building environment.
- Evaluation and design of construction activities with potential health and safety risks and environmental impacts.
- Indoor air quality investigations.
- Audits of facilities and processes for OSHA compliance.
- Worker exposure assessments.
- Health and safety plan and program development.
- Health and safety training and program implementation.
- Site safety inspections.
- Hazardous material building surveys.
- Industrial hygiene monitoring.
- Water quality testing.
- Phase I and phase II property assessments.
- Abatement design.
- Abatement project oversight.
- Construction management.

ABOUT SENECA HEALTH AND SAFETY, INC.

Seneca Health and Safety, Inc. is a new environmental, health, and safety consultancy committed to providing value-added, quality consulting and services at favorable rates. Founded by two entrepreneurs who are industry veterans with more than 22 years combined experience, our mission is to deliver top quality services and solutions that help our clients. Seneca differentiates itself by maintaining high employee retention and fostering client partnerships.

High Employee Retention – The Seneca staff has been a team for more than five years. Keys to employee longevity are providing ongoing training and aligning consultants with the right projects in their area of interest and expertise. Seneca has experienced tremendous success through adopting this philosophy. Our team of highly trained consultants strives to maintain client relations, provide quality deliverables, lower project costs, and create a corporate culture where people want to remain and grow.

Client Partnership – Seneca views each of its client relationships as a business partnership to which we bring an added dimension of service. Services such as customer care, quality assurance/quality control, and overall project management are integral to the Seneca partnership approach.

Seneca Health and Safety

Headquarters
424 N. Frederick Ave. #10
Gaithersburg, MD 20877
301-947-6681
301-947-9532 (fax)
www.seneca-hs.com

Northeast Branch
P.O. Box 3641
South Attleboro, MA 02703
508-399-6482

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AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

NVLAP
NY ELAP
AIHA

Summary of Qualifications
For
AMA Analytical Services, Inc.

AMA Analytical Services, Inc. is a leader in specialized environmental analysis. AMA provides laboratory services for asbestos, explosives residue, and lead. Our laboratory is accredited by NVLAP (#101143), AIHA (#244), AIHA ELLAP and New York State ELAP (#10920) as well as being licensed in many cities and states. AMA can provide immediate results, when needed, without prior notification. Our services are available 24 hours a day, 365 days a year. Outlined below are some facts about AMA Analytical Services, Inc.:

- In business since 1981
- Optical and electron microscopy lab (PCM, PLM, TEM, SEM) for asbestos
- High Performance Liquid Chromatography (HPLC) lab for explosives residue
- Atomic Absorption Spectrometry lab (Flame and Graphite Furnace) for lead
- Stringent QA/QC programs for all services offered
- Always available for emergency analyses
- Guaranteed response time for all analytical work
- Expert technical assistance for proposals and client presentations
- Analytical services by $1,000,000.00 in professional liability insurance
- Small business

Corporate Overview

AMA Analytical Services, Inc. is an environmental laboratory specializing in electron and optical microscopy as well as explosives residue and lead analysis. AMA is dedicated to providing the highest quality precision analyses and reliable, cost-effective services to the government, industrial, institutional, and commercial sectors. We have specifically structured our operations to meet our clients' needs for these services.

Corporate History

In 1981, AMA Analytical Services, Inc. was established as the laboratory division of Aerosol Monitoring & Analysis, Inc., a nationally recognized environmental services firm. AMA initially started performing optical microscopic analysis of bulk and airborne asbestos. AMA was on of the first companies in the United States to recognize the value of electron microscopy for the accurate identification of asbestos fibers. Consequently, in 1985 AMA added two transmission electron microscopes (TEMs) at the Washington, D.C. laboratory. AMA's business continued to grow as a result of our continued commitment to superior quality service.

AMA developed rigid analytical, documentation, and quality assurance procedures to meet the analytical protocols established by the EPA and NIST. As a result of this focus on quality analyses and service, AMA has established a reputation of excellence is the asbestos industry.

In 1990, AMA was incorporated as an independent analytical laboratory. The laboratory grew to become one of the largest asbestos analytical laboratories in the country performing any type of asbestos analysis.

In 1995, AMA expanded its services to include the analysis of lead by atomic absorption spectrometry (AA). Subsequently, we have added the capability of testing for explosives residue in soil, water, and sediment. By focusing on innovative technology and quality service, AMA continues to respond to our customers' needs for accurate environmental analysis.

4485 Forbes Boulevard • Lanham, MD 20706 • (301) 459-2640 • FAX (301) 459-2643

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

NVLAP
NY ELAP
AIHA

Services

ELECTRON AND OPTICAL MICROSCOPY

Transmission Electron Microscopy (TEM) Services

- Asbestos Analysis
- Particulate Analysis
- Materials Analysis

Polarized Light Microscopy (PLM) Services

- Bulk Asbestos Analysis
- Mineralogical Analysis

Phase Contrast Microscopy (PCM) Services

- Air Fiber Analysis

ATOMIC ABSORPTION SPECTROMETRY (AA) SERVICES

Lead (Pb) Analysis

- Graphite Furnace Atomic Absorption Technique
- Flame Atomic Absorption Technique
- EPA Method 7420 (SW 846)
- EPA Method 200.9 for Lead in Drinking Water
- Analysis for Lead in Paint, Soil, Dust, and Water
- TCLP analysis for lead

HIGH PERFOMANCE LIQUID CHROMOTOGRAPHY (HPLC) Services

Explosives Residue Analysis

- EPA Method 8330 (SW 846)
- Identification of 14 Target Compounds
- Analysis of soil, water, and sediment
- Detection to ppb levels in water
- Solid Phase Extraction Techniques

Personnel

At AMA all samples are analyzed by highly qualified microscopists possessing a college degree and prior analytical experience. In addition, all AMA analysts attend advanced optical and electron microscopy courses for analytical proficiency. Our analysts attend continuing education courses and other seminars in order to remain technically versed with today's changing environmental methods and regulations.

AMA analysts are trained and experienced in the special care required in the handling, extraction and analysis of environmental samples.

An AIHA (#8863), NVLAP (#101143) & NY ELAP (#10920) Accredited Laboratory

4485 Forbes Boulevard • Lanham, MD 20706 • (301) 459-2640 • FAX (301) 459-2643

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

NVLAP
NY ELAP
AIHA

Laboratory Equipment/Instrumentation

To provide precision analyses and reliable cost effective services, AMA maintains two JEOL 100-CX series analytical electron microscopes with EDXA and SAED capabilities. Our multiple optical scopes enable complete phase contrast and polarized light asbestos analysis. In addition to asbestos analysis, AMA Analytical Services, Inc. uses scanning, transmission, and optical microscopy to characterize various material, particulate, and biological samples.

High Performance Liquid Chromatography (HPLC) is carried out on a Waters HPLC equipped with Model 510 pump, 440 UV detector, and a Model 710B WISP autosampler. Explosive analysis is performed on a C-18 reverse phase HPLC column with a CN reverse phase HPLC column used as the confirmation column.

Lead (Pb) analysis is performed by using a Perkin-Elmer Model 5000 AA equipped for analysis by both Flame and Graphite Furnace methods, as per analytical requirements. The Graphite Furnace unit is equipped with an AS-40 autosampler and a HGA-500 programmer for automated analysis of samples.

Laboratory Accreditations

AMA Analytical Services, Inc., is proud of its laboratory accreditation status. AMA is accredited by New York NIST/NVLAP for both bulk analysis by PLM and airborne asbestos by TEM, as well as accredited by AIHA for the NIOSH 7400 method for PCM analysis for air samples. We are also accredited by the New York State ELAP program for asbestos analysis by PLM, TEM and PCM in addition to being a licensed laboratory in the Commonwealth of Virginia, State of West Virginia, and the City of Philadelphia.

The NIST/NVLAP Bulk Accreditation Program was established in 1988 with the first laboratory accreditations issued on April 1, 1989. AMA is proud that we were one of the few laboratories in the country to receive its accreditation on April 1, 1989. Prior to the NIST/NVLAP bulk program, AMA participated in the "old" EPA bulk QA program, which was in place from 1983. When NIST/NVLAP initiated its program for TEM analysis of air samples in 1990, AMA also received its accreditation on the first date available of July 1, 1990. Our laboratory has had several on-site inspections by NIST/NVLAP and has received comments that we have "one of the best designed quality systems" in over 150 asbestos laboratories across the country. AMA's performance on NIST/NVLAP PAT samples has been virtually flawless. We are one of only a few laboratories in the program, which have had no "penalty points."

AMA has been accredited by AIHA for asbestos fiber analysis by PCM since 1983 and has participated in the NIOSH PAT programs since 1981. The State of New York Department of Health has its own laboratory accreditation program (ELAP) including laboratory site visits and PAT samples. All samples collected in the State of New York must be analyzed by a New York State ELAP accredited laboratory. AMA is accredited by NY ELAP for all types of asbestos analyses in New York State. These accreditations include asbestos analysis of air samples by PCM and TEM, friable and non-friable bulk samples by PLM and TEM, and water samples by TEM.

AMA has been accredited by AIHA for lead analysis through the NLLAC program. AMA is ELLAP accredited for lead analysis. Additionally, AMA is approved for analysis of lead in drinking water for Maryland, Delaware, and Virginia.

An AIHA (#8863), NVLAP (#101143) & NY ELAP (#10920) Accredited Laboratory

4485 Forbes Boulevard • Lanham, MD 20706 • (301) 459-2640 • FAX (301) 459-2643

GSA

GSA National Capital Region - Public Buildings Service
Safety, Environment & Fire Protection Branch (WPYG)

FEBRUARY 2, 2001

MEMORANDUM TO: KERRY BONOS
WHITE HOUSE SDT (WPW)

FROM: TIM SLEETH, INDUSTRIAL HYGIENIST
SAFETY, ENVIRONMENT AND
FIRE PROTECTION BRANCH (WPYG)

SUBJECT: ASBESTOS ABATEMENT MONITORING
FAN COIL REPLACEMENT
NEW EXECUTIVE OFFICE BUILDING (NEOB)
725 17TH ST., NW
WASHINGTON, DC

From August 26th through October 27th, 2000, Enviro-Management, Inc. monitored the abatement of known asbestos-containing materials (ACMs) from the New Executive Office Building (NEOB), located at 725 17th St., NW, Washington, DC. Asbestos abatement operations consisted of cutting access panel openings in perimeter walls in order to facilitate replacement of fan coil units throughout the building.

All asbestos abatement activities were conducted within negative pressure enclosures. Additionally, wet methods and HEPA (High Efficiency Particulate Air) vacuums were utilized during abatement operations to control fiber release. During asbestos abatement operation workers utilized protective clothing and half-face HEPA respirators.

Air monitoring samples were collected and analyzed on site by Phase Contrast Microscopy (PCM), NIOSH 7400 Method. All final clearance air samples yielded results below then Reoccupancy Standard of <0.01 fibers/cc.

Should you have any questions please contact me at (202) 708-5257.

#1869
DC0105
1-31-01/JGH/WPG
CC: KERRY BENOS

Enviro-Management, Inc.

INDUSTRIAL HYGIENE SERVICE

August 9, 2000

Mrs. Normajean Eleazer
GSA Safety and Environmental Management
7th. & D Streets, SW, Rm. 2080
Washington, DC 20020

Contract # GS-11-P00QC0068
PO# P-11-00-DC-0335
ACT# P02640756

Re: Oversight & Air monitoring Services
NEOB 08-26-00 – 10-27-00
Site: New Executive Office Building
725 17th Street NW
Washington, DC 20006

EMI Project # 070142

Dear Mrs. Eleazer:

From August 26, 2000 to October 27, 2000, Enviro-management, Inc. (EMI) provided Industrial Hygiene oversight at the New Executive Office Building (NEOB) located at 725 17th Street NW, Washington, D C. The Abatement Contractor was Hillian Brothers, Inc. The abatement project consisted of cutting access panel openings in perimeter walls in order to facilitate replacement of fan coil units throughout the building. Abatement was performed in multiple rooms on several floors of the NEOB, Final Clearance sampling was performed in each containment of each room at the end of abatement. OSHA final clearance sampling criteria require results for each containment to be less than 0.01 fibers (f/cc) before the containment can be removed and the area certified safe for reoccupancy after abatement.

Enclosed you will find a copy of the Initial inspection sheets, daily logs, the daily inspection sheets, the final inspection sheets and the air monitoring results.

Sincerely,

Gail Smith

Gail Smith

3100 Pennsylvania Ave., S.E., • Washington, D.C. 20020 • (202) 582-2461 • (202) 582-2478

Enviro-Management, Inc.

DAILY LOG

Project: NEOB FAN coil units **Date:** 08-26-00

Site: Rooms 8936, 7936, 6936, 5936 **EMI Rep:** C. Hardison / G. Smith

Address: 725 17th st., N.W. **EMI Job No:** 080163

Client Contact: Galen Green **Client Phone:** 202-565-0097

0730 - Arrived on site and met with the projects office Representative, Mr Tony Web and the on site Supervisor for Hillian Brothers, Mr. Silbio Castro, and discussed todays planned activities. Four containments will be constructed in four Rooms (8936, 7936, 6936, 5936)

0730 - Started background samples in all four Rooms as indicated below:

Sample #1 - Room 8936
Sample #2 - Room 6936
Sample #3 - Room 5936
Sample #4 - Room 7936

1000 - Collected all background samples (1, 2, 3 + 4) as the abatement crew continues placing containments on four floors.

1100 - The containment in Room 6936 is in place and has passed visual inspection. permission is given to proceed with cutting access panel openings and samples are deployed as follows:

Sample #5 inside containment of Room 6936
Sample #6 clean Room of 6936
Sample #7 outside containment of 6936
Sample #8 at Negative Air Exhaust of 6936

1105 - the containment on Room 5936 is in place and has been inspected. permission is given to proceed after the following samples are started:

Signature of EMI Representative On Site:

Enviro-Management, Inc.

DAILY LOG

Sample # 9 - inside containment of Room 5936
Sample # 10 - clean Room of 5936 containment
Sample # 11 - outside of clean Room in 5936
Sample # 12 Negative air Exhaust of Room 5936
1200 - lunch
1300 - Crew is back from lunch and continues fine cleaning containment in Room 6936.
1310 - Containment 6936 has passed visual inspection and permission is given to encapsulate. Samples 05, 06, 07 + 08 are collected for analysis.
1318 - Samples 09, 10, 11 + 12 are collected for analysis from containment 5936 and permission is given to encapsulate.
1445 - Containment 7936 has been inspected and permission is given to proceed. the following samples are started:
Sample #13 inside of Room 7936 Containment
Sample #14 clean Room of 7936 Containment
Sample #15 outside of clean Room in 7936
Sample #16 At negative air Exhaust of 7936
1540 - Final clearance sample sample # 17 is started in containment 6936 after a satisfactory visual inspection.
1600 - A decision is made to cut an opening in the north wall of Room 5936 inside the containment that reaches from floor to ceiling for the purpose of replacing a cold water riser.
1635 - workers have completed the containment in Room 8936 and have passed the visual inspection. permission is given to proceed and samples are deployed as follows:
Sample # 18 - inside containment 8936
Sample # 19 - clean Room of containment in Room 8936

Enviro-Management, Inc.

DAILY LOG

Sample #20 - outside of clean Room of Containment 8236.

Sample #21 - At negative air exhaust of containment 8836.

1645 - Containment # 7836 has been inspected and encapsulated and samples 13, 14, 15 + 16 have been collected.

1715 - Work is complete in containment 7836. An inspection has been performed and the containment has been encapsulated. Final clearance sample # 22 is started.

1846 - Samples 18, 19, 20 + 21 have been collected for analysis.

1910 - Started final clearance sample #23 in Room 5836 containment

1930 - Collected final clearance sample #22 from the containment in Room 7836 for analysis. the final clearance results are 0.01 f/cc which is greater than the OSHA clearance criteria. the containment must be re-cleaned and re-encapsulated and then another final clearance sample will be taken. All other containments have met the OSHA clearance level of <0.01 f/cc and permission is given to encapsulate

2035 - Started final clearance sample #26 in Room #7836 containment after re-encapsulation.

2050 - Collected final clearance sample #26 for PCM analysis. the analytical result is <0.01 f/cc and permission is given to encapsulate the containment has passed the second final clearance air sample.

Enviro-Management, Inc.

DAILY LOG

0855 - Collected final clearance sample from the containment in Room 8036 for analysis. Sample #24
0910 - Final clearance results for sample #24 reveal a result of <0.01 f/cc which is within the OSHA clearance requirement and permission is given to dismantle
0930 - Departed site

Enviro-Management,

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. HARRISON G. SMITH	Date: 08-26-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: NEOB FAN Coil units	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 795 17th St., N.W. WASH DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
01	Room	pRe	12	1057	0730	0935	125	1500	5.5/100	<0.01	
02	Room	pRe	12	19	0736	0940	124	1488	4/100	<0.01	
03	Room	pRe	12	17	0750	0950	120	1440	11/100	<0.01	
04	Room	pRe	12	1058	0810	1012	122	1464	30/100	0.01	
05	Room 6936 in-Containment	IE	2.5	7275	1100	1310	130	325	VOID	—	Excessive debris
06	" " clean Room	CR	2.5	7237	1105	1310	130	325	6/100	<0.01	
07	" " outside clean Rm	OE	2.5	7249	1107	1312	125	312.5	6/100	<0.01	
08	" " Neg air Exhaust	EX	2.5	7269	1110	1314	124	310	6/100	<0.01	
09	Room 6936 inside containment	IE	2.5	93	1125	1318	113	282.5	3/100	<0.01	
10	" clean Room	CR	2.5	47	1125	1320	115	287.5	5.5/100	<0.01	
11	" outside clean Room	OE	2.5	03	1127	1323	116	290	6/100	0.01	
12	" negative air Exhaust	EX	2.5	7272	1129	1326	117	292.5	4/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hard	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

Enviro-Management,

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. HARDISON G. SMITH	Date: 08-26-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: NEOB FAN Coil Units	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St., N.W. WASH. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
13	Room 7836 inside containment	IE	2.5	7237	1445	1640	115	287.5	6.5/100	0.01	
14	" clean Room	CR	2.5	7225	1445	1640	115	287.5	5/100	<0.01	
15	outside clean Rm	OE	2.5	7149	1447	1643	116	290	24.5/100	0.04	Renovation Area of plaster
16	neg. air Exhaust	EX	2.5	7269	1450	1647	117	292.5	18/100	0.03	plaster Renovation Area
17	Final 6836	IEF	12		1540	1847	187	2160	9/100	<0.01	
18	Room 8836 inside containment	IE	2.5	7175	1635	1830	115	287.5	3.5/100	<0.01	
19	" clean Room	CR	2.5	7155	1636	1833	117	292.5	4/100	<0.01	
20	" outside clean Room	OE	2.5	1638	1638	1836	118	295	2.5/100	<0.01	
21	neg air Exhaust	EX	2.5	1640	1640	1840	120	300	3/100	<0.01	
22	Final 7236	IEF	12	17	1715	1930	135	1680	12.5/100	0.01	failed
23	Final 5236	IEF	12	19	1910	2125	135	1680	9/100	<0.01	
24	Final 8836	IEF	12	1056	2040	2255	135	1680	45/100	<0.01	2040
25	BLANK	BLK	—	—	—	—	—	—	—	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hard

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-Management,

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Hardison G. Smith	Date: 08-26-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: NEOB Fan Coil Units	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St., N.W. Wash. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
26	Room 7236 Final	IEF	12	1058	2035	2250	135	1,620	85/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hardison	IH TIME ON SITE ____ IH TIME OFF SITE 0030	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS 17	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

BUILDING: NEOB PROJECT: Fan coil units

LOCATION: 725 17th St., N.W. DATE: 08-26-00

REMOVAL CONTRACTOR: Hillian TIME INSPECTED: 0720

MONITORING CONTRACTOR: EMI TIME WORK BEGAN: 0000

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	PROBLEMS ENCOUNTERED
1. WORK SITE ISOLATION	a. PERIMETER BARRIER	✓	
	b. DECONTAMINATION CURTAINS	✓	
	c. SEALS AROUND DUCTS WINDOWS & DOORS	✓	
	d. VERTICAL & HORIZONTAL OPENINGS	✓	
	e. NEGATIVE AIR MACHINE IN USE	✓	
	f. NEGATIVE PRESSURE > 0.02	✓	
2. SIGNAGE	a. CAUTION SIGNS AT VESTIBULE ENTRY	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. DUMPSTER, DUCTS, DRUMS, & BAGS LABELED	✓	

3. INSPECTION	a. HEPA VACUM IN USE	✓	
	b. MATERIAL KEPT WET UNTIL BAGGED	✓	
4. WORKER PROTECTION			
	a DISPOSABLE CLOTHING USED ONCE	✓	
	b. PROPER NIOSH RESPIRATORS	DISPOSAL	
		HEPA ✓	
		PAPER	
		TYPE "C"	
	c. PROPER DECONTAMINATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	N/A	
	b. SOAP & TOWELS	N/A	
	c. USED EACH DEPARTURE	N/A	
6. WORK HABITS IN WORK AREA	a. NO SMOKING	✓	
	b. EATING/DRINKING	✓	

FIELD NOTES:
(*DESCRIBE ANY PROBLEMS ENCOUNTERED HERE. THE QUESTIONS ARE TO BE ANSWERED EITHER "YES" OR "PROBLEM ENCOUNTERED".

REPORT PREPARED BY: C. Hard DATE: 08-26-00

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: Fan Coil units

LOCATION: 725 17th St., N.W. Date: 08-96-00

Removal Contractor: Hillian Brothers Time Started: 0720

Monitoring Contractor: EMI Time Stopped: 0000

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	✓	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?		
	b. Soap and Towels?	N/A	
	c. Used Each Departure?		
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

Field Notes:
*Describle any problems encountered here. The above questions." are to be answered either "YES" or "Problem Emcountered."

Report Prepared By: C. Hand Date: 08/08/00

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

BUILDING: NEOB PROJECT: Fan coil units

LOCATION: 725 17th st. N.W. DATE: 08-26-00

REMOVAL CONTRACTOR: Hillian TIME INSPECTED: 1715

MONITORING CONTRACTOR: EMI TIME COMPLETED: 0000

FINAL INSPECTION: The final inspection shall consist of a walk through inspection conducted by the IH contractor. He may, at times, be accompaned by the Contracting Officer's Representative (COR) or a designee, a GSA Safety, Environment and Fire Protection representative, the IH's Certified Industrial Hygienist, the asbestos abatement contractor, a State or local government representative, or another interested party.

OBJECTIVE: The objective is to ensure that the ASBESTOS has been removed or abated, as required, in the contract. All parties should familiarize themselves with the provisions of the contract and the "Asbestos Removal/Abatement Scope of Work". This checklist is to serve as a guide for the Final Inspection.

ACTIVITY TO BE CHECKED			WITHIN LIMITS	PROBLEMS ENCOUNTERED
1. Residual Dust On: (below eye level)	a.	Floor	✓	
	b.	Horizontal Surface	✓	
	c.	Pipes	✓	
	d.	Ventilation Equip.	✓	
(above eye level)	e.	Horizontal surface	✓	
	f.	Pipes	✓	
	g.	Ductwork	✓	
	h.	Registers	✓	
	i.	Lights	✓	

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 09-23-00

Site: FAN Coil Access PANELS **EMI Rep:** C. Hardison, D. Knight

Address: 795 17th St., N.W. **EMI Job No:** 080163

Client Contact: Galen Green **Client Phone:** 202-565-0097

0730 - EMI Representatives C. Hardison and D. Knight Arrived on site and met with Hillian Brothers abatement supervisor Mr. Silvio Arqueto. the white House projects office Representative Mr. Tony Webb is Also on Site.

0730 - After completing a walk through of the project, the abatement work crew of nine persons are continuing to construct seven containments in suites 5002 and 5013.

0830 - Background samples are started in the following locations:

Sample 01 - Suite 5002
Sample 02 - Suite 5013

0845 - Containments I + II inspected and approved for abatement activities.

0900 - Abatement activities have begun in containment I and air samples are started in the following locations:

Sample # 03, Inside containment I
Sample # 04, clean Room, containment I
Sample # 05, outside clean Room, containment I
Sample # 06, At negative air Exhaust I + II

1030 - Abatement activities are begining in containment #II and samples are started as follows:

Sample #07, Inside containment #II
Sample #08, Clean Room, containment II
Sample #09, outside clean Room, containment II

Enviro-Management, Inc.

DAILY LOG

1050- Samples # 01 and 02 are collected for PCM analysis
1056- workers are removing bags and fine cleaning containment # II
1100- Containment # III is inspected and permission is given to proceed. Air samples are started in the following locations:
Sample # 10, Inside containment # III
Sample # 11, Clean Room, containment # III
Sample # 12, outside clean Room, containment III
Sample # 13, Negative Exhaust, containment III + IV
1137- Abatement is complete in containment # I and the inspection is accomplished without discrepancies. Samples # 03, 04 + 05 are collected for PCM analysis. permission is given to encapsulate
1152- Final inspection is complete in containment # I and permission is given to encapsulate.
1215- Final clearance samples are started.
Sample # 17, Final, containment # I
Sample # 18, Final, containment # II
1200- crew breaks for lunch
1310- crew returns from lunch and are ready to start containment IV after passing inspection.
1316- permission is given to proceed with containment IV and samples are started.
Sample # 14, inside containment IV
Sample # 15, Clean Room, containment IV
Sample # 16, outside clean Room, containment IV
1345- work is complete in containment III and permission is given to encapsulate

Signature of EMI Representative

Enviro-Management, Inc.

DAILY LOG

1400- Samples 10, 11, + 12 are collected from containment and permission is given to encapsulate in containment III

1418- permission is given to begin abatement in containment V and the following samples are started:

Sample # 19, Inside containment V, Room 5013
Sample # 20, clean Room, containment V, Room 5013
Sample # 21, outside clean Room, containment V, Rm 5013
Sample # 22, negative Air Exhaust

1425- collected final clearance samples # 17 + 18 from containments I + II for PCM analysis.

1452- Inspection of containment VI is complete and permission is given to proceed. the following samples are started:

Sample # 23, Inside containment VI
Sample # 24, Clean Room, Containment VI
Sample # 25, outside clean Room, Containment VI

1507- final clearance samples are started in containments III & IV:

Sample # 26, final containment III
Sample # 27, final containment IV

1530 - final inspection is complete in containment V and samples 19, 20, 21 + 22 are collected for PCM analysis. permission is given to encapsulate.

1550 - containment VII is inspected and permission is given to proceed. Samples are started in the following locations:

Sample #28, Inside containment VII
Sample #29, Clean Room, containment VII
Sample #30, outside clean Room, containment VII

Enviro-Management, Inc.

DAILY LOG

1605 - Final clearance sample is started:
Sample # 31, final clearance containment V
1610 - Collected samples #23, 24 + 25 from containment VI for PCM analysis.
1615 - work is complete in containment VI and permission is given to encapsulate after a successful final clearance visual inspection.
1645 - work is complete in containment VII and permission is given to encapsulate, final clearance air samples will be collected on 09-24-00.
1745 - [redacted] collected sample #31 from containment V for PCM analysis.
1800 - Departed site

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Harrison D. Knight	Date: 9-23-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: NEOB Fan Coil units	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St., N.W. Wash. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.: 080163	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
01	Suite 5002	Pre	12	1285	0830	1050	140	1,680	9/100	<0.01	
02	Suite 5013	Pre	12	1276	0838	1050	132	1,584	7.5/100	<0.01	
03	Inside Containment I RT	IE	2.5	7271	0900	1137	157	399.5	18/100	0.02	
04	Cleanroom I	CR	2.5	7262	0900	1137	157	399.5	4.5/100	<0.01	
05	Outside Cleanroom I	OE	2.5	7105	0900	1137	157	399.5	6/100	<0.01	
06	Neg Air Exhaust	EX	2.5	7175	0900	1420	320	800	4/100	<0.01	
07	Inside Containment II LT	IE	2.5	7153	1030	1152	82	205	19.5/100	0.02	
08	Cleanroom II	CR	2.5	7268	1030	1152	82	205	3/100	<0.01	
09	Outside Cleanroom II	OE	2.5	7149	1030	1152	82	205	45/100	0.01	
10	Inside Containment III	IE	2.5	7234	1110	1400	190	475	14.5/100	0.01	
11	Cleanroom III	CR	2.5	7237	1110	1400	190	475	4/100	<0.01	
12	Outside Cleanroom III	OE	2.5	7258	1110	1400	190	475	4/100	<0.01	
13	Neg Air Exhaust III	EX	2.5	7128	1110	1425	215	537.5	2.5/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: E. Hard

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C Hardison D. Knight	Date: 9-23-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: NEOB Fan Coil Unit	Client Phone:	Contractor Phone:
Site Address: 795 17th St., N.W. Wash. DC	Client Address:	Sampling & Analytical Method:
		On Site ____ Lab ____
Job No.: 080163	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
14	Inside Containment IV	IE	2.5	7155	1316	1400	44	110	18/100	0.08	
15	Cleanroom IV	CR	2.5	7268	1316	1400	44	110	3.5/100	0.01	
16	Outside Cleanroom IV	OE	2.5	7149	1316	1400	44	110	3.5/100	0.01	
17	Inside Containment I	IEF	12	1285	1215	1425	130	1560	12.5/100	<0.01	
18	Inside Containment II	IEF	12	1276	1218	1425	127	1,524	6/100	<0.01	
19	Inside Containment Rm 5013 AREA V	IE	2.5	7271	1418	1520	62	155	8.5/100	0.02	
20	Cleanroom AREA V	CR	2.5	7262	1418	1520	62	155	3.5/100	0.01	
21	Outside Cleanroom V	OE	2.5	7105	1418	1520	62	155	4/100	0.01	
22	Neg Air Exhaust V	EX	2.5	7234	1418	1610	112	280	3/100	<0.01	
23	Inside Containment VI	IE	2.5	7237	1452	1610	78	195	18/100	0.013	
24	Cleanroom VI	CR	2.5	7128	1452	1610	78	195	4/100	0.01	
25	Outside Cleanroom VI	OE	2.5	7256	1452	1610	78	195	3.5/100	<0.01	
26	Inside Containment AREA III	IEF	12	1285	1507	1650	103	1,236	15.5/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C Hard

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C Hardison D. Knight	Date: 9-23-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: NEOB FAN Coil units	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St., N.W. WASH. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.: 080163	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
27	Inside containment IV	IEF	12	1976	1507	1650	103	1,236	165/100	<0.01	
28	Inside containment VII	IE	2.5	7971	1550	1700	70	175	95/100	0.02	
29	Clean Room VII	CR	2.5	7962	1550	1700	70	175	4/100	0.01	
30	outside clean Room VII	OE	2.5	7105	1550	1700	70	175	3/100	<0.01	
31	Inside containment V	IEF	12	1058	1605	1745	100	1,200	11/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C Hardison

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

BUILDING: N EOB
PROJECT: Fan Coil units
LOCATION: 725 17th St., N.W.
DATE: 09-23-00
REMOVAL CONTRACTOR: Hillian
TIME INSPECTED: 0730
MONITORING CONTRACTOR: EMT
TIME WORK BEGAN: 0730

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	PROBLEMS ENCOUNTERED
1. WORK SITE ISOLATION	a. PERIMETER BARRIER	✓	
	b. DECONTAMINATION CURTAINS	✓	
	c. SEALS AROUND DUCTS WINDOWS & DOORS	✓	
	d. VERTICAL & HORIZONTAL OPENINGS	✓	
	e. NEGATIVE AIR MACHINE IN USE	✓	
	f. NEGATIVE PRESSURE > 0.02	✓	
2. SIGNAGE	a. CAUTION SIGNS AT VESTIBULE ENTRY	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. DUMPSTER, DUCTS, DRUMS, & BAGS LABELED	✓	

3. INSPECTION	a. HEPA VACUM IN USE	✓	
	b. MATERIAL KEPT WET UNTIL BAGGED	✓	
4. WORKER PROTECTION			
	a DISPOSABLE CLOTHING USED ONCE	✓	
	b. PROPER NIOSH RESPIRATORS	DISPOSAL	
		HEPA ✓	
		PAPER	
		TYPE "C"	
	c. PROPER DECONTAMINATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	N/A	
	b. SOAP & TOWELS	N/A	
	c. USED EACH DEPARTURE	N/A	
6. WORK HABITS IN WORK AREA	a. NO SMOKING	✓	
	b. EATING/DRINKING	✓	

FIELD NOTES:
(*DESCRIBE ANY PROBLEMS ENCOUNTERED HERE. THE QUESTIONS ARE TO BE ANSWERED EITHER "YES" OR "PROBLEM ENCOUNTERED".

REPORT PREPARED BY: C Hard DATE: 09-23-00

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB

PROJECT: FAN Coil units

LOCATION: 725 17th ST., N.W.

DATE: 09-23-00

REMOVAL CONTRACTOR: Hillian

TIME STARTED: 0720

MONITORING CONTRACTOR: EMI

TIME STOPPED: 1800

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	PROBLEMS ENCOUNTERED
1. WORK SITE ISOLATION	a. PERIMETER BARRIER	✓	
	b. DECONTAMINATION CURTAINS	✓	
	c. NEGATIVE PRESSURE GLOVEBAG PROJECT	N/A	
	d. SEALS AROUND DUCTS WINDOWS & DOORS	✓	
	e. NEGATIVE AIR MACHINE IN USE	✓	
	f. NEGATIVE PRESSURE > 0.02	✓	
2. SIGNAGE	a. CAUTION SIGNS AT VESTIBULE ENTRY	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. DUMPSTER, DUCTS, DRUMS, & BAGS LABELED	✓	
3. WORK PRACTICES	a. HAMMERS, SAWS, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN REMOVAL AREA	✓	
	d. HEPA VACCUUM IN USE	✓	
	e. MATERIAL KEPT WET UNTIL BAGGED	✓	

4. WORKER PROTECTION

	a DISPOSABLE CLOTHING USED ONCE	✓	
	b. PROPER NIOSH RESPIRATORS	DISPOSAL	
		HEPA ✓	
		PAPER	
		TYPE "C"	
	c. PROPER DECONTAMINATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	N/A	
	b. SOAP & TOWELS	N/A	
	c. USED EACH DEPARTURE	N/A	
6. WORK HABITS IN WORK AREA	a. NO SMOKING	✓	
	b. EATING/DRINKING	✓	

FIELD NOTES:
(*DESCRIBE ANY PROBLEMS ENCOUNTERED HERE. THE QUESTIONS ARE TO BE ANSWERED EITHER "YES" OR "PROBLEM ENCOUNTERED".

REPORT PREPARED BY: [signature] DATE: 09-23-a

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

BUILDING: NEOB PROJECT: Fan Coil units

LOCATION: 725 17th St. N.W. DATE: 09-23-00

REMOVAL CONTRACTOR: Hillian TIME INSPECTED: 1152

MONITORING CONTRACTOR: EMI TIME COMPLETED: 1800

FINAL INSPECTION: The final inspection shall consist of a walk through inspection conducted by the IH contractor. He may, at times, be accompaned by the Contracting Officer's Representative (COR) or a designee, a GSA Safety, Environment and Fire Protection representative, the IH's Certified Industrial Hygienist, the asbestos abatement contractor, a State or local government representative, or another interested party.

OBJECTIVE: The objective is to ensure that the ASBESTOS has been removed or abated, as required, in the contract. All parties should familiarize themselves with the provisions of the contract and the "Asbestos Removal/Abatement Scope of Work". This checklist is to serve as a guide for the Final Inspection.

ACTIVITY TO BE CHECKED			WITHIN LIMITS	PROBLEMS ENCOUNTERED
1. Residual Dust On: (below eye level)	a.	Floor	✓	
	b.	Horizontal Surface	✓	
	c.	Pipes	✓	
	d.	Ventilation Equip.	✓	
(above eye level)	e.	Horizontal surface	✓	
	f.	Pipes	✓	
	g.	Ductwork	✓	
	h.	Registers	✓	
	i.	Lights	✓	

BULK SAMPLES: As any dust is found in the removal area is likely to be asbestos contaminated, in cases of dispute, a small quantity of material may be sent to a designated laboratory for analysis.

FINAL AIR SAMPLING: If all other tests and situations appear to be satisfactory, the final air tests will be taken.

Serial Number	7153	1276	1285	1276	~~1058~~ 1058
Location:	#IV	#I	#III	#IV	#V
Volume (Liters)	1,524	1,560	1,236	1,236	1,200
Flow Rate: (Liters/Minute)	12	12	12	12	12
Fibers/Filter	6/100	12.5/100	15.5/100	16.5/100	11/100
Fibers/Cubic Cm	<0.01	<0.01	<0.01	<0.01	<0.01

ANALYSTS ANALYZING SAMPLING C. Hard DATE 09-23-00

FIELD NOTES:(*Describe any problems encountered here. The above questions are to be answered "YES" or "Problem Encountered".)

REPORT PREPARED BY: C Hard DATE: 09-23-00

REPORT REVIEWED BY: _____ DATE: _____

Enviro-Management, Inc.

DAILY LOG

Project: NEOB FAN coil units

Date: 09-24-00

Site: NEOB

EMI Rep: C. Hardison / D. Knight

Address: 725 17th St., N.W.

EMI Job No:

Client Contact: Galen Green

Client Phone: 202-565-0097

0700 - Arrived on site and met with projects office representative Mr. Tony Butler and the Hillian Brothers Abatement Supervisor Mr. Silbio Castro.

0715 - The Abatement crew begins dismanteling containments I, II, III & IV in Suite 5008.

0815 - Final clearance samples are started in containments VI and VII in Room 5013. (II 32&33)

0845 - Containment V is being dismantled.

1010 - Final clearance samples are collected in containments VI and VII in Room 5013.

1230 - All final clearance samples revealed a result of less than 0.01 fibers per cubic centimeter and permission is given to dismantle all remaining containments.

1400 - All equipment debris and associated materials have been removed from the site. All workers have departed.

1430 - Depart site.

Enviro-

3100 Pennsylvania Avenue, Ste
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Hardison O. Knight	Date: 9-24-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact: Silbio Castro
Site: NEOB - Fan Coil units	Client Phone:	Contractor Phone:
Site Address: 725 17th St. N.W. Wash. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.: 080163	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CRA clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
32	Inside containment VI	IEF	12	1276	0815	1005	110	1,320	9.5/100	<0.01	
33	Inside containment VII	IEF	12	1057	0817	1007	110	1,320	5.5/100	<0.01	
34	Blank	BLK	—	—	—	—	—	—	—	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hardison

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: Fan coil units

Location: 725 17th St. N.W. Date: 09-24-00

Removal Contractor: Hillian Time Inspected: 0815

Monitoring Contractor: EMI Time Completed: 1400

FINAL INSPECTION: The final inspection shall consist of a walk-through inspection conducted by the IH contractor. He may at times be accompanied by the contracting Officer's Representive or a designee, a GSA Safety and Environmental Management representative the IH contract's Certified Industrial Hygienist, the asbestos abatement contractor, a state or local government representative, the abatement contractor's Industrial Hygineist, a tenant Representative, or another interested party.

OBJECTIVE: The objective is to that the ASBESTOS has been removal or abated as required in the CONTRACT. All parties should familiarize themselves with the provisions of the contract and the "Asbestos Removal/Abatement Scope of Work." This checklist is to serve as a guide for the final inspection.

Activity to be Checked		Within Limits	Problem Encountered
1. Residual Dust on:			
(below eye level)	a. Floor	✓	
	b. Horizontal Surfaces	✓	
	c. Pipes.	✓	
	d. Ventilation Equipment.	✓	
(above eye level)	e. Horizontal Surface.	✓	
	f. Pipes.	✓	
	g. Ducdwork.	✓	
	h. Registers	✓	
	i. Lights.	✓	

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

As any dust found in the removal area is likly to be asbestos contaminated, in cases of dispute, a small quantity of material may be sent to a designated laboratory for analysis.

FINAL AIR SAMPLING:

If all other tests and situations appear to be satisfactory, the final air tests will be taken.

Serial Number:	1276	1057			
Location:	#VI	#VII			
Volume (Liters):	1,320	1,320			
Flow rate: (Liters/Minute)	12	12			
Fibers/Filter:	9.5/100	5.5/100			
Fibers/Cubic Cm:	<0.01	<0.01			

ANALYSTS ANALYZING SAMPLING: C Hardise DATE: 09-04-00

Field Notes:
*Desrible any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

REPORT PREPARED BY: C. Hardise DATE: 09-04-00

REPORT REVIEWED BY: _____ DATE: _____

Enviro-Management, Inc.

DAILY LOG

Project: NEOB FAN Coil Units

Date: 09-29-00

Site: NEOB

EMI Rep: C Hardison

Address: 725 17th St., N.W.

EMI Job No:

Client Contact: Galen Green

Client Phone: 202-565-0097

1930 - Arrived on site and proceeded to Room #5001 of the NEOB and met with Products Office Representative Mr. Tony Butler in Room 5001.

2000 - Started Background Samples #01 + 02

2015 - Collected Background Samples for PCM Analysis.

2030 - Departed site.

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Industrial Hygienist: C. Hardison	Date: 09-29-06	Contractor: Hillian	
Client: GSA	Client Contact: Galen Green	Contractor Contact: Silbio Castro	
Site: NEOB	Client Phone: 202-565-0097	Contractor Phone:	
Site Address: 725 17th St., N.W. Wash. DC	Client Address:	Sampling & Analytical Method:	
		On Site ____ Lab ____	
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.		

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
01	Room 5001 outer office	PRE	12	1057	2000	2215	135	1620	12.5/100	<0.01	
02	@ Rooms C, D + E	PRE	12	1058	2000	2318	138	1656	18/100	<0.01	
03	Blank	BLK	—	—	—	—	—	—	—	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: [signature]

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Suite 5001 Project: Fan Coil Access Panels

Location: 1795 17th St. N.W. Date: 09-29-00

Removal Contractor: Hillian Time Inspected: 1930

Monitoring Contractor: EMI Time Work Started: 1930

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	N/A	
	b. Decontamination Curtains	N/A	
	c. Seals around ducts, windows and doors	N/A	
	d. Vertical and Horizontal Openings	N/A	
	e. "Negatve air machine" in use	N/A	
	f. Negative pressure > 0.02"	N/A	
2. Signage	a. Caution Signs at vestibule entry.	N/A	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	

GSA ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	N/A	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ___ HEPA ✓ PAPER ___ TYP"C" ___	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?	N/A	
	b. Soap and Towels?	N/A	
	c. Used Each Departure?	N/A	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. Eating/drinking	✓	

Field Notes:
*Describible any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered."

workers are placing containments only

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: C. Hardison Date: 09-28-00

Enviro-Management, Inc.

DAILY LOG

Project: NEOB Fan Coil Units **Date:** 09-30-00

Site: NEOB **EMI Rep:** C. Hardison / M. Clay

Address: 725 17th St., N.W. **EMI Job No:**

Client Contact: Galen Green **Client Phone:** 202-565-0097

0700 - Arrived on site and met with the White House projects representative Mr. Tony Butler and Hillian Brothers Supervisor Silbio Argunetta. A walk through of the project was performed and containments A + B were ready for abatement activities.

0750 - Started air samples at containment-A as follows:
Sample #01 inside containment-A of Room #5001.
Sample #02 Clean Room
Sample #03 outside clean Room
Sample #04 negative air ~~out~~ containments A+B

0800 - Access panel holes are ready to be cut in containment-B and samples are deployed as follows:
Sample # 05 - inside containment B
Sample # 06 - Clean Room
Sample # 07 - out side of containment

0900 - Containments A + B are ready for visual inspection.

0950 - Final visual inspection is complete in containment-A and the samples are collected, #01, 02, 03 + 04.

0940 - Collected samples # 05, 06 + 07 for PCM analysis.

1000 - Inspected containment-D and gave

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DAILY LOG

permission to proceed after deficiencies were corrected.

1005 - Started samples in containment - D as follows:
Sample #08 - inside containment - D
Sample #09 - Clean Room
Sample #10 - outside of clean Room
Sample #11 - negative air exhause containments C+D

0900 - Started samples in containment - C as follows:
Sample #12 - inside containment C
Sample #13 - clean Room
Sample #14 - outside clean Room

1050 - Started final clearance air sample in Containment - A Sample # 15

1100 - Inspected containment - E and gave permission to proceed after deficiencies are corrected.

1110 - Started air samples in Containment E as follows:
Sample # 16 - Inside containment # E
Sample # 17 - Clean Room
Sample # 18 - outside containment

1100 - Collected samples # 12, 13, + 14 from containment C

1115 - Inspected containment - F and started the following samples:
Sample #19 - Inside containment - F
Sample #20 - Clean Room
Sample #21 - outside containment

1125 - Collected samples # 08, 09, 10 + 11 from containment D for PCM analysis.

1200 - lunch + started final

1315 - Crew Returns from lunch, in B+C (#22+23)

1310 - Collected final clearance sample from

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DAILY LOG

containment - A
1325 - Inspected containment - G and gave permission to proceed after deploying samples as follows:
Sample #24 - inside containment - G
Sample #25 - clean room
Sample #26 - outside containment - G
Sample #27 - negative air exhaust G + H
1330 - Collected samples #16 + 17 from containment E
1347 - Collected samples # 18, 19, 20 + 21 from containment F
1350 - Collected final clearance samples # 22 + 23 from containments B + C
1355 - Started samples at containment # as follows:
Sample #28 - inside containment H
Sample #29 - clean room
Sample #30 - outside containment
1400 - Started final clearance samples as follows:
Sample # 31 - containment - D final
Sample # 32 - final containment - E
Sample # 33 - final containment -
1610 - Collected samples # 24, 25 + 26 from containment - G for PCM analysis.
1600 - Collected final clearance samples from containments as follows:
Sample # 31 final clearance containment - D
Sample # 32 final clearance containment - E
1610 - Collected final clearance sample #33 from containment - F for PCM analysis.
1625 - Collected samples # 27, 28, 29 + 30 from containment H for PCM analysis
1815 - Collected final clearance samples #34 from containment - G.

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DAILY LOG

1819- collected final clearance sample # 35 from containment H for PCM analysis.
1830- All final clearance sample results were less than 0.01 f/cc which meets OSHA's criteria for reoccupancy after abatement and permission is given to dismantle remaining containments.
1850- Departed site.

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Industrial Hygienist: C. HARDISON M. CLAY	Date: 09-30-00	Contractor: Hillian	
Client: GSA	Client Contact: Galen Green	Contractor Contact: Silbio Castro	
Site: NEOB	Client Phone: 202-565-0097	Contractor Phone:	
Site Address: 725 17th St. NW. WASH. DC	Client Address:	Sampling & Analytical Method:	
		On Site ____ Lab ____	
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.		

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
01	inside containment A Room 5001	IE	2.5	7756	0750	0950	120	300	8.5/100	0.03	
02	clean rm. containment A	CR	2.5	7728	0750	0950	120	300	2.5/100	0.01	
03	outside clean Room	OE	2.5	7734	0750	0950	120	300	8/100	0.01	
04	negative A+B air exhaust	EX	2.5	7721	0750	0950	120	300	5.5/100	0.01	
05	inside containment #B	IE	2.5	7779	0800	0940	100	250	13.5/100	0.02	
06	clean Room containment-B	CR	2.5	7775	0800	0940	100	250	4.5/100	<0.01	
07	outside containment-B	OE	2.5	7737	0800	0940	100	250	5.5/100	0.01	
08	inside containment-D	IE	2.5	7174	1005	1125	80	200	13/100	0.03	
09	clean Room containment-D	CR	2.5	7735	1005	1125	80	200	1.5/100	<0.01	
10	outside containment-D	OE	2.5	7136	1005	1125	80	200	2.5/100	<0.01	
11	negative air exhaust C+D	EX	2.5	768	1005	1125	80	200	2/100	<0.01	
12	inside containment-C	IE	2.5	786	1090	1100	120	300	12/100	0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

EN BY: C Hardison
TE/TIME)

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

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Industrial Hygienist: C. HARDISON M. CLAY	Date: 09-30-00	Contractor: Hillian
Client: GSA	Client Contact: Galen Green	Contractor Contact: Silbio Argueta
Site: NEOB	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St., N.W. WASH. DC	Client Address:	Sampling & Analytical Method:
		On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
13	clean Room containment-C	CR	2.5	787	0900	1100	120	300	3.5/100	<0.01	
14	outside containment-C	OE	2.5	772	0900	1100	120	300	4.5/100	<0.01	
15	final containment-A	IEF	12	013	1050	1310	140	1,680	16.5/100	<0.01	
16	Inside containment-E	IE	2.5	7956	1110	1330	130	325	19.5/100	0.02	
17	clean Room containment-E	CR	2.5	7934	1110	1330	130	325	4/100	<0.01	
18	Negative air Exhaust-E+F	EX	2.5	7971	1110	1347	157	392.5	3.5/100	<0.01	
19	Inside containment-F	IE	2.5	7198	1115	1347	142	355	12.5/100	0.01	
20	clean Room containment-F	CR	2.5	7175	1115	1347	142	355	2.5/100	<0.01	
21	outside containment-F	OE	2.5	7937	1115	1347	142	355	5/100	<0.01	
22	final-containment-B	IEF	12	1597	1200	1350	110	1,320	21.5/100	<0.01	
23	final-containment-C	IEF	12	1058	1208	1350	102	1,224	16/100	<0.01	
24	Inside containment-G	IE	2.5	787	1325	1610	165	412.5	12.5/100	0.01	
25	clean Room containment-G	CR	2.5	778	1325	1610	165	412.5	2.5/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

TAKEN BY: C. Hardison	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
(DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

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Industrial Hygienist: C. HARDISON M. CLAY	Date: 09-30-00	Contractor: Hillian
Client: GSA	Client Contact: Galen Green	Contractor Contact: Silvio Argueta
Site: NEOB	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St., N.W. WASH. DC	Client Address:	Sampling & Analytical Method: ____
		On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
26	outside containment - G	OE	2.5	2721	1325	1610	165	412.5	6/100	0.01	
27	negative air Exhaust G+H	EX	2.5	7136	1325	1625	165	412.5	4.5/100	<0.01	
28	Inside containment - H	IE	2.5	7135	1355	1625	150	375	16.5/100	0.02	
29	clean room containment - H	CR	2.5	7174	1355	1625	150	375	6/100	<0.01	
30	outside containment - H	OE	2.5	7137	1355	1625	150	375	5.5/100	<0.01	
31	Final - Containment - D	IEF	12	1057	1400	1600	120	1440	22.5/100	<0.01	
32	Final - Containment - E	IEF	12	013	1400	1600	120	1,440	16/100	<0.01	
33	Final - Containment - F	IEF	12	1285	1400	1610	130	1,560	12.5/100	<0.01	
34	Final - Containment - G	IEF	12	1587	1630	1815	105	1,260	4.5/100	<0.01	
35	Final - Containment - H	IEF	12	018	1632	1819	107	1,284	17/100	<0.01	
36	BLANK	BLK	—	—	—	—	—	—	1.5/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hardison	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: Fan Coil units

LOCATION: 725 17th St, NW Date: 09-30-00

Removal Contractor: Hillian Time Started: 0700

Monitoring Contractor: EMI Time Stopped: 1850

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	N/A	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?	N/A	
	b. Soap and Towels?	N/A	
	c. Used Each Departure?	N/A	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

Field Notes:
*Describle any problems encountered here. The above questions." are to be answered either "YES" or "Problem Emcountered."

Report Prepared By: C Hard Date: 09-30-00

Enviro-Management, Inc.

DAILY LOG

Project: FAN coil units **Date:** 10-07-00

Site: NEOB Suites 3102, 5002, 3101 **EMI Rep:** C. Hardison / E. King III

Address: 725 17th St., NW **EMI Job No:**

Client Contact: Galen Green **Client Phone:** 202-565-0097

0700 - Arrived on site and met with the Abatement Supervisor, Mr. Silbio Argueta and a crew of eight workers.

0730 - After a visual inspection of the containment, A permission is given to proceed and samples are deployed as follows: in suite 3102
Sample #41 - Inside containment - A of Suite 3102
Sample #42 - outside containment -
Sample #43 - negative air exhaust containments A+B
Sample #44 - Clean Room of containment - A.

0740 - Containment - B of suite 3102 has been visually inspected and permission to proceed is given. Samples are deployed as follows:
Sample #45 - inside containment - B
Sample #46 - outside containment - B
Sample #47 - Clean Room, containment - B

0750 - Containment - C of suite 3102 has been inspected and permission is given to proceed after samples are deployed as follows:
Sample #48 - inside containment - C
Sample #49 - outside containment - C
Sample #50 - Clean Room, containment - C

0915 - Samples # 45, 46, 47, 48, 49 and 50 are collected from containments B+C for PCM analysis.

0920 - Containment - D has been inspected and permission to proceed is given after pumps

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DAILY LOG

are deployed as follows:
Sample #51 - Inside containment-D
Sample # 52 - outside containment-D
Sample # 53 - Clean Room
Sample # 54 - Negative Air Exhaust Containments C, D + E
0935 - Samples # 41, 42, + 43 are collected from containment-D
0945 - Room 3102 containment has been inspected and permission to proceed is given after deploying the following pumps:
Sample #55 - inside Room 3102 containment
Sample #56 - outside containment
Sample #57 - clean Room
Sample # 58 - Negative air Exhaust
1015 - Containment E has been inspected and the following pumps are deployed:
Sample # 59 - Inside Containment E
Sample #60 - outside Containment
Sample #61 - Clean Room
1080 - Containments A, B + C have had a final clearance inspection and the following final clearance samples are deployed:
Sample #62 - Final Clearance, Containment A
Sample #63 - Final Clearance, Containment B
Sample # 64 - Final Clearance, Containment C
1045 - The following samples are collected from the Containment in Room 3102 after a final visual inspection. permission is given to encapsulate:
Sample #55, 56, 57 + 58
1100 - while the Containment in Room 3102 was

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DAILY LOG

being encapsulated, the spray caused the buildings smoke alarm to go off.
1115- the building has been secured after security confirmed that the alarm was accidentally triggered by an airless sprayer while encapsulating a containment.
1230- Collected final clearance samples from containments A, B + C for PCM analysis. # 61, 62 + 63.
1250- Deployed sample # 65 at the 5th floor containment for a background sample.
1255- performed a final clearance visual inspection of the containment in Room 3101 and started final clearance sample # 66
1310- Final clearance analytical results from containments A, B + C revealed a result of <0.01 (samples # 61, 62 + 63) and permission is given to dismantle those three containments.
1320- The samples are from containment in Room 3108 (# 56, 57, 58 + 59) are collected after a final visual inspection is satisfactory for PCM analysis.
1330- Containments D + E are being encapsulated.
1350- the 5th floor containment has been inspected and permission is given to proceed. Samples are deployed as follows:
Sample #67 - Inside 5th floor containment
Sample #68 - outside 5th floor containment
Sample #69 - clean room
Sample # 70 - negative air exhaust
1440- Collected final clearance sample # 66 for PCM analysis from containment in Room 3101.

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: FAN Coil units

LOCATION: 725 17th St., NW Date: 10-07-00

Removal Contractor: Hillian Time Started: 0700

Monitoring Contractor: EMI Time Stopped: 1730

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	N/A	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?	N/A	
	b. Soap and Towels?	N/A	
	c. Used Each Departure?	N/A	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

Field Notes:
*Describle any problems encountered here. The above questions." are to be answered either "YES" or "Problem Emcountered."

Report Prepared By: E Hand Date: 10-07-00

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB - suites 3102, 5002, 3401 Project: Fan coil units

Location: 795 17th St., N.W. Date: 10-07-06

Removal Contractor: Hillian Brothers Time Inspected: 1450

Monitoring Contractor: EMI Time Completed: 0730

FINAL INSPECTION: The final inspection shall consist of a walk-through inspection conducted by the IH contractor. He may at times be accompanied by the contracting Officer's Representive or a designee, a GSA Safety and Environmental Management representative the IH contract's Certified Industrial Hygienist, the asbestos abatement contractor, a state or local government representative, the abatement contractor's Industrial Hygineist, a tenant Representative, or another interested party.

OBJECTIVE: The objective is to that the ASBESTOS has been removal or abated as required in the CONTRACT. All parties should familiarize themselves with the provisions of the contract and the "Asbestos Removal/Abatement Scope of Work." This checklist is to serve as a guide for the final inspection.

Activity to be Checked			Within Limits	Problem Encountered
1. Residual Dust on:				
(below eye level)	a.	Floor	✓	
	b.	Horizontal Surfaces	✓	
	c.	Pipes.	✓	
	d.	Ventilation Equipment.	✓	
(above eye level)	e.	Horizontal Surface.	✓	
	f.	Pipes.	✓	
	g.	Ducdwork.	✓	
	h.	Registers	✓	
	i.	Lights.	✓	

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DAILY LOG

1450 - Collected Background Sample #65 from the 5th floor containment for PCM analysis.
1450 - Started Sample #71 in Containment D for final clearance
1450 - Started Sample #72 in Containment E for final clearance.
1455 - the containment in Room 3101 is being dismantled.
1530 - Collected Samples 67, 68, 69 + 70 from the 5th floor containment after a satisfactory final clearance visual inspection
1535 - the final clearance sample for the 5th floor containment is deployed - Sample #72
1630 - the following final clearance samples are collected for PCM analysis.
Sample 71 - Containment D
Sample 72 - Containment E
1630 - Analytical Results for Samples #71 + 72 from Containments D + E are collected and reveal a Result of <0.01 f/cc. permission is given to dismantle those two containments.
1705 - the final clearance sample from the 5th floor containment is collected and analyzed. the Result of <0.01 meets OSHA's criteria for Reoccupancy after Abatement.
1710 - permission is given to dismantle Remaining containments after all final clearance Results are less than <0.01 f/cc
1730 - Departed Site

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(202) 682-2461

Industrial Hygienist: C. Hardison E. King III	Date: 10-07-00	Contractor: Hilliard Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: NEOB-Suites 3102, 502, 3101	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St., NW Wash. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
41	Inside Containment-A	IE	2.5	7275	0730	0935	125	312.5	18.5/100	0.02	
42	outside Containment-A	OE	2.5	7262	0730	0935	125	312.5	4.5/100	<0.01	
43	negative Air Exhaust-A	EX	2.5	7269	0730	1300	330	3960	14/100	<0.01	
44	Clean Room Containment-A	CR	2.5	7132	0730	0935	125	312.5	2.5/100	<0.01	
45	Inside Containment-B	IE	2.5	7271	0740	0925	105	262.5	13/100	<0.01	
46	outside Containment-B	OE	2.5	7128	0740	0925	105	262.5	5/100	<0.01	
47	Clean Room Containment-B	CR	2.5	7105	0740	0925	105	262.5	3.5/100	<0.01	
48	Inside Containment-C	IE	2.5	7238	0750	0915	85	212.5	22.5/100	0.05	
49	outside Containment-C	OE	2.5	7234	0750	0915	85	212.5	3.5/100	<0.01	
50	Clean Room Containment-C	CR	2.5	7153	0750	0915	85	212.5	3.5/100	<0.01	
51	Inside Containment-D	IE	2.5	7270	0930	1330	240	600	3/100	<0.01	
52	outside Containment-D	OE	2.5	7237	0930	1330	240	600	2.5/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: [signature]

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Hardison E. King III	Date: 10-07-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: NEOB - Suites 3102-502, 3101	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St., N.W. WASH. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
53	Clean Room containment-D	CR	2.5	7175	0920	1320	240	600	3.5/100	<0.01	
54	neg. Air Exhaust C, D + E	EX	2.5	7238	0925	1320	235	587.5	4/100	<0.01	
55	Inside Room 3102	IE	2.5	7262	0945	1045	60	150	12.5/100	0.04	
56	outside containment 3102	OE	2.5	7234	0945	1045	60	150	3/100	<0.01	
57	clean Room containment 3102	CR	2.5	7275	0945	1045	60	150	4/100	<0.01	
58	negative Air Exhaust 3102	EX	2.5	7256	0945	1045	60	150	2.5/100	<0.01	
59	Inside containment-E	IE	2.5	7153	1015	1320	175	437.5	12.5/100	0.01	
60	outside containment-E	OE	2.5	7269	1015	1320	175	437.5	3.5/100	<0.01	
61	clean Room Containment-E	CR	2.5	7105	1015	1320	175	437.5	1.5/100	<0.01	
62	Final clearance containment-A	IEF	12	1057	1020	1220	120	1440	12.5/100	<0.01	
63	Final clearance containment-B	IEF	12	1058	1020	1220	120	1440	8/100	<0.01	
64	Final clearance Containment-C	IEF	12	1587	1020	1220	120	1440	6.5/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: [signature]

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Hardison E. King III	Date: 10-07-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: NEOB-Suites 3102, 502, 3101	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St. NW WASH. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
65	Background Room 502	PRE	12		1350	1450	120	2160	3.5/100	<0.01	
66	Final clearance Room 3101	IEF	12		1355	1440	105	1260	14.5/100	<0.01	
67	Inside Room 502 containment	IE	2.5		1350	1530	90	225	17.5/100	0.02	
68	outside containment Room 502	OE	2.5		1350	1530	90	225	2.5/100	<0.01	
69	Clean Room 502	CR	2.5		1350	1530	90	225	2/100	<0.01	
70	neg. air Exhaust Room 502	EX	2.5		1350	1530	90	225	1.5/100	<0.01	
71	Final clearance containment D	IEF	12		1450	1630	120	2160	18/100	<0.01	
72	Final clearance containment E	IEF	12		1450	1630	120	2160	11.5/100	<0.01	
73	BLANK	BLK	—	—	—	—	—	—	2.5/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hard

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

As any dust found in the removal area is likly to be asbestos contaminated, in cases of dispute, a small quantity of material may be sent to a designated laboratory for analysis.

FINAL AIR SAMPLING:

If all other tests and situations appear to be satisfactory, the final air tests will be taken.

Serial Number:	3102	5002	3101		
Location:	3102	5002	3101		
Volume (Liters):	1440				
Flow rate: (Liters/Minute)	12	12	12		
Fibers/Filter:	12.5	18	14.5		
Fibers/Cubic Cm:	<0.01	<0.01	<0.01		

ANALYSTS ANALYZING SAMPLING: C. Hardison DATE: 10-07-00

Field Notes:
*Desrible any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

REPORT PREPARED BY: C. Hard DATE: 10-07-00

REPORT REVIEWED BY: _____ DATE: _____

Enviro-Management, Inc.

DAILY LOG

Project: FAN Coil units **Date:** 10-06-00

Site: NEOB (Suite 3102 + 5th Fl) **EMI Rep:** C. HARdison

Address: 725 17th ST, N.W. **EMI Job No:** _____

Client Contact: Galen GREEN **Client Phone:** 202-565-0097

1900 - I ARRIved At the NEOB 2nd WAS processed into the building by Security.

1910 - I met with the Hillian Abatement crew in suite 3102 to collect background samples. Access panels will be cut in suite 3102 and one containment on the 5th floor for a total of seven containments.

1930 - Background samples are Deployed as follows:
Sample #38 - Containment-E in suite 3102

1940 - Sample #39 - Room 502 - Background

2030 - Access is gained to suite 3102 and Background samples are deployed as follows:
Sample #34 - Background, Containment-A
Sample #35 - Background, Containment-B
Sample #36 - Background, Containment-C
Sample #37 - Background, Containment-D
~~Sample #~~

2140 - Collected samples #38 + 39 for PCM Analysis.

2230 - Collected Background samples # 34, 35, 36 + 37 for PCM Analysis.

2245 - Departed site

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. HARDISON	Date: 10-06-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact: Silvio Argumenta
Site: NEOB Suite 3102	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 795 17th St., N.W. WASH. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CRA clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
34	Suite 3102 Containment-A	PRE	12		2030	2330	120	1,440	9.5/100	<0.01	
35	Suite 3102 Containment-B	PRE	12		2030	2330	120	1,440	11/100	<0.01	
36	Suite 3102 Containment-C	PRE	12		2030	2330	120	1,440	7/100	<0.01	
37	Suite 3102 Containment-D	PRE	12		2030	2330	120	1,440	9/100	<0.01	
38	Suite 3102-Containment-E	PRE	12		1930	2140	130	1,560	7.5/100	<0.01	
39	Room 502	PRE	12		1940	2140	120	1,440	12.5/100	<0.01	
39-A	BLANK	BLK	—	—	—	—	—	—	—	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hardison

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB (suite 3102) Project: FAN coil units

Location: 725 17th St, NW Date: 10-06-00

Removal Contractor: Hillian Time Inspected: 1930

Monitoring Contractor: EMI Time Work Started: 1900

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Seals around ducts, windows and doors	✓	
	d. Vertical and Horizontal Openings	✓	
	e. "Negatve air machine" in use	✓	
	f. Negative pressure > 0.02"	✓	
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	

GSA ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ___ HEPA ✓ PAPER ___ TYP"C" ___	
	c. Proper Decontamination Sequence Followed	N/A	
5. Showers	a. Functioning?	N/A	
	b. Soap and Towels?	N/A	
	c. Used Each Departure?	N/A	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. Eating/drinking	✓	

Field Notes:
*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered."

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: C Hand Date: 10-06-00

Enviro-Management, Inc.

DAILY LOG

Project: NEOB FAN Coil units **Date:** 10-13-00

Site: Suites 4013, 3036, + 4002 **EMI Rep:** C. Hardison

Address: 795 17th St., N.W. **EMI Job No:** _____

Client Contact: Galen Green **Client Phone:** 202-565-0097

1900 - Arrived on site and met with the Hillian on site Supervisor, Mr. Silbio Castro. Suit 4013 will have five containments in inner offices, Suite 3036 will have six containments and suite 4002 will have one containment for a total of twelve containments.

1930 - Inspected containment locations and deployed Background samples as follows: in Suite 4013. Remaining containments will Recieve background samples on 10-14-00

Sample #01 Background, Containment-A, Suite 4013
Sample #02 Background, Containment B, Suite 4013
Sample #03 Background, Containment C, Suite 4013
Sample #04 Background, Containment D, Suite 4013
Sample #05 Background, Containment E Suite 4013

2150 - Samples 01, 02, 03, 04 + 05 are collected for PCM analysis.

2210 - Departed site

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 682-2461

Industrial Hygienist: C. Hardison	Date: 10-13-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact: Silbio Castro
Site: MEOB-Suites 4013, 3036, 4042	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St, N.W. Washington, DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
01	Suite 4013, Room-A	PRe	12	1057	1935	2145	130	1560	7.5/100	<0.01	
02	Suite 4013, Room-B	PRe	12	1058	1941	2145	124	1488	12/100	<0.01	
03	Suite 4013, Room-C	PRe	12		1946	2145	119	1428	5.5/100	<0.01	
04	Suite 4013, Room-D	PRe	12		1945	2148	123	1476	9.5/100	<0.01	
05	Suite 4013, Room-E	PRe	12		1946	2149	123	1476	8/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY:	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB

PROJECT: Fan Coil units

LOCATION: Suites 4013, 3026, 4002

DATE: 10-13-01

REMOVAL CONTRACTOR: Hilliar

TIME STARTED: 1900

MONITORING CONTRACTOR: EMI

TIME STOPPED: 0216

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	PROBLEMS ENCOUNTERED
1. WORK SITE ISOLATION	a. PERIMETER BARRIER	✓	
	b. DECONTAMINATION CURTAINS	✓	
	c. NEGATIVE PRESSURE GLOVEBAG PROJECT	N/A	
	d. SEALS AROUND DUCTS WINDOWS & DOORS	✓	
	e. NEGATIVE AIR MACHINE IN USE	✓	
	f. NEGATIVE PRESSURE > 0.02	✓	
2. SIGNAGE	a. CAUTION SIGNS AT VESTIBULE ENTRY	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. DUMPSTER, DUCTS, DRUMS, & BAGS LABELED	✓	
3. WORK PRACTICES	a. HAMMERS, SAWS, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN REMOVAL AREA	✓	
	d. HEPA VACCUUM IN USE	✓	
	e. MATERIAL KEPT WET UNTIL BAGGED	✓	

4. WORKER PROTECTION

	a DISPOSABLE CLOTHING USED ONCE	✓	
	b. PROPER NIOSH RESPIRATORS	DISPOSAL	
		HEPA ✓	
		PAPER	
		TYPE "C"	
	c. PROPER DECONTAMINATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	N/A	
	b. SOAP & TOWELS	N/A	
	c. USED EACH DEPARTURE	N/A	
6. WORK HABITS IN WORK AREA	a. NO SMOKING	✓	
	b. EATING/DRINKING	✓	

FIELD NOTES:
(*DESCRIBE ANY PROBLEMS ENCOUNTERED HERE. THE QUESTIONS ARE TO BE ANSWERED EITHER "YES" OR "PROBLEM ENCOUNTERED".

REPORT PREPARED BY: C. Ford DATE: 10-13-01

Enviro-Management, Inc.

DAILY LOG

Project: NEOB FAN Coil units **Date:** 10-14-00

Site: Suites 4013, 3026 + 4002 **EMI Rep:** C. HARdison

Address: 725 17th st., N.W. **EMI Job No:** _____

Client Contact: Galen Green **Client Phone:** 202-505-0097

0700- ARRived on site and met with Hillian Brothers supervisor, MR. Silbio Castro. A work crew of fourteen persons. Suite 4013 will have five containments, Suite 3026 will have six containments and suite 4002 will have one containment for a total of twelve containments.

0730- Inspected containments A+B in Room 4013 and gave permission to proceed with abatement activities.

Sample # 12, Inside containment A, Room 4013
Sample # 13, Clean Room of containment A, Room 4013
Sample # 14, outside clean Room of containment A, Rm 4013
Sample # 15 negative air Exhaust for containments A+B

0745- Containment B in Room 4013 has been inspected and permission to proceed is gives as the following samples are deployed:

Sample #16, Room 4013, Inside containment-B
Sample # 17, Room 4013, clean Room of containment-B
Sample # 18, outside containment B of Room 4013

0840- Inspected containments C+D of Room 4013 and gave permission to proceed. The following samples are deployed.

Sample #19, Inside containment-C of Room 4013
Sample # 20, clean Room of containment-C in RM 4013
Sample #21, outside of clean Room, containment-C, Rm 4013
Sample # 22, negative air Exhaust, Room 4013, containment-C

Enviro-Management, Inc.

DAILY LOG

0845 - STARTed Background samples in containments A, B, C, D, E & F of suite 4002 as follows:
Sample # 06, Background, suite 4002, Rooms A & B
Sample # 07, Background, suite 4002, Room C
Sample # 08, Background, suite 4002, Room D
Sample # 09, Background, suite 4002, Room E
Sample # 10, Background, suite 4002, Room F
0850 - Inspected containment-D in suite 4013 and gave permission to proceed. the following samples are deployed:
Sample # 23, Room 4013, inside containment D
Sample # 24, Room 4013, clean room of containment D
Sample # 25, Room 4013, outside clean room, containment D
Sample # 26, Room 4013, Neg. air exhaust for D & E
0930 - Started Background sample # 11 in Room 3086
1000 - Inspected containment-E in Room 4013 and gave permission to proceed after deficiencies are corrected. Samples are deployed as follows:
Sample # 27 Room 4013, inside containment E
Sample # 28 Room 4013, clean room, containment E
Sample # 29 Room 4013, outside clean room, containment E
1030 - performed a final clearance visual inspection of containments A, B, C & D in suite 4013 and gave permission to encapsulate after minor noted deficiencies are corrected.
1035 - visual inspection after correction of deficiencies is satisfactory and the following samples are collected prior to encapsulation: 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 & 25.
1040 - Inspected the containment in Room 3086 and gave permission to proceed.

Enviro-Management, Inc.

DAILY LOG

Sample #30 - Inside Room 3026 containment
Sample #31 - Clean Room 3026 Containment
Sample #32 - Outside Room 3026 Containment
Sample #33 - Neg. Air Exhaust Room 3026
1110 - Collected samples 26, 27, 28 + 29 from containment E after final inspection. permission is given to encapsulate
1115 - Inspected containment B in Room 4002 after all work is complete
Sample #34 inside containment B, Room 4002
Sample #35 clean Room containment B, Room 4002
Sample #36 outside containment B, Room 4002
Sample #37 Negative Air Exhaust Room 4002 - B
1200 - lunch
1300 - Return
1345 - performed final clearance visual inspections in rooms A, B, C, D + E of suite 4013 and deployed samples as follows after encapsulation
Sample #38, Final clearance containment A, Room 4013
Sample #39, Final clearance containment B, Room 4013
Sample #40, Final clearance containment C, Room 4013
Sample #41, Final clearance containment D, Room 4013
Sample #42, Final clearance containment E Room 4013
1400 - Inspected containments 4002 A, B + C and gave permission to proceed after deficiencies are corrected. Deployed samples as follows in containment - C of Room 4002.
Sample #43, Inside containment 4002-C
Sample #44 clean Room, containment 4002-C
Sample #45, outside of containment 4002-C
Sample #46, Negative Air Exhaust 4002-C+D
1405 - Collected samples 34, 35, 36 + 37 from containment 4002-B

Enviro-Management, Inc.

DAILY LOG

1406- Collected Samples 30, 31, 32 + 33 from Room 3026.
1500- Collected Samples 34, 35 + 36 from Room-A of Suite 4002 and Samples 43, 44 + 45 from containment-C
1545- Inspected containments A and D of Suite 4002 after inspection and deployed samples as follows:
Sample # 47, Inside containment 4002-A
Sample # 48, clean Room of containment 4002-A
Sample # 49, outside of clean Room 4002-A
1600- Deployed samples at containment 4002-D as follows:
Sample # 50, Inside of containment 4002-D
Sample # 51, clean Room of Containment 4002-D
Sample # 52, outside of containment 4002-D
1605- Inspected containments 4002-E and 4002-F and gave permission to proceed after deploying the samples:
1608- Deployed the following samples in containment 4002-E:
Sample #53, Inside containment 4002-E
Sample # 54, Clean Room of containment 4002-E
Sample # 55, outside clean Room of containment 4002-E
Sample # 56, negative air Exhaust 4002 E & 4002-F
1612- Deployed the following samples in containment 4002-F
Sample # 57, Inside containment 4002-F
Sample # 58, Clean Room Containment 4002-F
Sample # 59, outside of containment 4002-F
1790- Collected All Remaining samples for PCM analysis

Enviro-Management, Inc.

DAILY LOG

1730- A pinhole leak occurred in a containment in suite 4002 during fine cleaning. All remaining containments are being fine cleaned after final visual inspections. permission is given to encapsulate.

1740- Started final clearance samples as follows:
Sample #60, Final clearance, containment 4002-A
Sample #61, Final clearance containment 4002-C
Sample #62, Final clearance containment 4002-D
Sample #63, Final clearance containment 4002-E
Sample #64, Final clearance containment 4002-F

1920- Collected samples 60, 61, 62, 63 & 64 for pcm analysis.

2000- Final clearance results for all containments revel results of <0.01 f/cc. permission is given to dismantle remaining containments.

2030- Departed site.

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: Fan coil units

LOCATION: Suites 4013, 3026, 4002 Date: 10-14-01

Removal Contractor: Hillian Time Started: 0700

Monitoring Contractor: EMT Time Stopped: 2030

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	N/A	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 682-2461

Industrial Hygienist: C. Hardison / D Knight	Date: 10-14-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact: Silvio Castro
Site: NEOB Rooms 4002, 3026, 4013	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 12th St., N.W. WASH. DC	Client Address:	Sampling & Analytical Method:
		On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
06	Suite 4002 Rooms A+B	PRE	12	1057	0830	1025	115	1380	14.5/100	<0.01	
07	" " " C	PRE	12	1058	0830	1028	118	1416	17/100	<0.01	
08	" " " D	PRE	12		0832	1030	118	1416	9.5/100	<0.01	
09	" " " E	PRE	12		0835	1030	115	1380	10/100	<0.01	
10	" " " F	PRE	12		0835	1032	117	1404	7.5/100	<0.01	
11	Room 3026 containment	PRE	12		0932	1125	113	1356	5.5/100	<0.01	
12	Suite 4013 Room A	IE	2.5		0730	0835	65	162.5	27/100	0.06	
13	Suite 4013 Room A	CR	2.5		0730	0835	65	162.5	3.5/100	0.01	
14	outside containment 4013 - A	OE	2.5		0730	0835	65	162.5	4/100	0.01	
15	Negative Air Exhaust 4013 A	EX	2.5		0730	0850	80	200	3/100	<0.01	
16	Inside containment 4013 - B	IE	2.5		0745	0900	75	187.5	16/100	0.04	
17	"clean Room" containment 4013 - B	CR	2.5		0745	0900	75	187.5	4.5/100	0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hardison	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

Enviro-

3100 Pennsylvania Avenue, Ste
Washington, DC 20020
(202) 682-2461

Industrial Hygienist: C. Hardison / D. Knight	Date: 10-14-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact: Silbio Castro
Site: NEOB - Rooms 4002, 3086, 4013	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St., N.W. Wash DC	Client Address:	Sampling & Analytical Method:
		On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
18	outside of Containment 4013-B	OE	2.5		0745	0900	75	187.5	4/100	0.01	
19	Inside of containment 4013-C	IE	2.5		0840	1035	115	287.5	9/100	0.01	
20	clean Room 4013-C	CR	2.5		0840	1035	115	287.5	2.5/100	<0.01	
21	outside of clean Room 4013-C	OE	2.5		0840	1035	115	287.5	3/100	<0.01	
22	negative Air Exhaust 4013-C	EX	2.5		0840	1035	115	287.5	1.5/100	<0.01	
23	Inside of containment 4013-D	IE	2.5		0855	1032	97	242.5	11.5/100	0.2	
24	Clean Room containment 4013-D	CR	2.5		0855	1032	97	242.5	2.5/100	<0.01	
25	outside containment 4013-D	OE	2.5		0855	1032	97	242.5	3/100	<0.01	
26	negative Air Exhaust 4013 D+E	EX	2.5		1030	1115	45	112.5	2/100	<0.01	
27	Inside containment 4013-E	IE	2.5		1030	1115	45	112.5	12/100	0.05	
28	clean Room containment 4013-E	CR	2.5		1030	1115	45	112.5	2.5/100	0.01	
29	outside clean Room 4013-E	OE	2.5		1030	1115	45	112.5	3/100	0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hard

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. HARDISON	Date: 01-14-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: NEOB-Rooms 4002, 3036, 4013	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St. N.W. WASH. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
30	Inside containment of 3036	IE	2.5		1040	1406	206	515	13/100	0.01	
31	clean Room, containment 3036	CR	2.5		1040	1406	206	515	5.5/100	<0.01	
32	outside of containment 3036	OE	2.5		1040	1406	206	515	2.5/100	<0.01	
33	negative air Exhaust 3036	EX	2.5		1040	1406	206	515	1.5/100	<0.01	
34	Inside containment 4002-B	IE	2.5		1115	1405	170	425	10.5/100	<0.01	
35	clean Room containment 4002-B	CR	2.5		1115	1405	170	425	3.5/100	<0.01	
36	outside of containment 4002-B	OE	2.5		1115	1405	170	425	3/100	<0.01	
37	negative air exhaust 4002-B	EX	2.5		1115	1405	170	425	2.5/100	<0.01	
38	Final clearance 4013-A	IEF	12		1345	1615	150	1800	125/100	<0.01	
39	Final clearance 4013-B	IEF	12		1345	1615	150	1800	5/100	<0.01	
40	Final clearance 4013-C	IEF	12		1347	1615	148	1776	9.5/100	<0.01	
41	Final clearance 4013-D	IEF	12		1347	1615	148	1776	15/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hardison

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Hardison	Date: 01-14-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: NEOB - Rooms 4002, 3028, 4013	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St., NW Wash, DC	Client Address:	Sampling & Analytical Method:
		On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
42	FINAL clearance 4013-E	IEF	12		1350	1615	145	1740	13.5/100	<0.01	
43	Inside containment 4002-C	IE	2.5		1405	1520	75	187.5	19.5/100	0.05	
44	clean Room containment 4002-C	CR	2.5		1405	1520	75	187.5	2.5/100	<0.01	
45	outside clean Room 4002-C	OE	2.5		1408	1520	72	180	2.5/100	<0.01	
46	negative air exhaust 4002-C	EX	2.5		1408	1520	72	180	1.5/100	<0.01	
47	Inside containment 4002-A	IE	2.5		1545	1700	75	187.5	19/100	0.03	
48	clean Room containment 4002-A	CR	2.5		1545	1700	75	187.5	2.5/100	<0.01	
49	outside clean Room 4002-A	OE	2.5		1545	1700	75	187.5	2.5/100	<0.01	
50	Inside containment 4002-D	IE	2.5		1600	1712	72	180	19/100	0.03	
51	clean Room of 4002-D	CR	2.5		1600	1712	72	180	2.5/100	<0.01	
52	outside clean Room 4002-D	OE	2.5		1600	1712	72	180	2/100	<0.01	
53	Inside containment 4002-E	IE	2.5		1608	1722	674	1685	2.5/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hardison

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 682-2461

Industrial Hygienist: C. Hardison	Date: 01-14-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: NEOB- Rooms 4002, 3026, 4013	Client Phone: 202-565-0091	Contractor Phone:
Site Address: 725 17th St., N.W. Wash. DC	Client Address:	Sampling & Analytical Method:
		On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
54	Clean Room 4002-E	CR	2.5		1608	1720	72	180	25/100	<0.01	
55	outside Containment 4002-E	OE	2.5		1608	1720	72	180	3/100	<0.01	
56	neg. air Exhause 4002-E+F	EX	2.5		1608	1720	72	182	1.5/100	<0.01	
57	Inside Containment 4002-F	IE	2.5		1612	1720	68	170	12.5/100	0.03	
58	Clean Room Containment 4002-F	CR	2.5		1612	1720	68	170	1.5/100	<0.01	
59	outside Containment 4002-F	OE	2.5		1612	1720	68	170	2.5/100	<0.01	
60	Final clearance 4002-A	IEF	12		1740	1920	100	1200	16/100	<0.01	
61	Final Clearance 4002-B	IEF	12		1740	1920	100	1200	12.5/100	<0.01	
62	Final clearance 4002-D	IEF	12		1740	1920	100	1200	11/100	<0.01	
63	Final Clearance 4002-E	IEF	12		1740	1920	100	1200	9/100	<0.01	
64	Final clearance 4002-F	IEF	12		1740	1920	100	1200	5.5/100	<0.01	
65	Blank	BLK	12								

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY:

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-Management, Inc.

DAILY LOG

Project: FAN Coil Access Panels **Date:** 10-30-00

Site: NEOB Suite 3026 **EMI Rep:** C. Hardison

Address: 725 17th ST., N.W. **EMI Job No:** _____

Client Contact: Galen Green **Client Phone:** 202-565-0097

1910 - Arrived on site and met with White House Projects office Representative Mr. Tony Butler and performed a walk through of the project.

1930 - Started Background samples as follows:

Sample #01 - Joe Bradley's office

Sample #02 - Michelle Johnson's office

Sample #03 - opposite Harriette Lewis' office

Sample #04 - Joanna Meador's office

9147 - collected Background samples #01, 02, 03 & 04 for analysis

2000 - Departed site

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Hardison	Date: 10-20-00	Contractor: Hillian
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: NEOB	Client Phone: 202-565-0087	Contractor Phone:
Site Address: 725 17th ST. N.W. Washington, DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
01	Joe Bradley's office	PRE	12		1930	2147	137	1644	8.5/100	<0.01	
02	Michelle Johnson's office	PRE	12		1930	2147	137	1644	12/100	<0.01	
03	opposite Harriette Lewis' office	PRE	12		1933	2149	136	1632	10.5/100	<0.01	
04	Joanna Meadow's office	PRE	12		1937	2151	134	1608	8/100	<0.01	
04A	BLANK	BLK	—	—	—	—	—	—	~~5/100~~	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hardison	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Suite 3096 Project: Fan coil units

Location: 725 17th St, NW Date: 10-30-00

Removal Contractor: Hillian Time Inspected: 1910

Monitoring Contractor: EMI Time Work Started: 1930

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Seals around ducts, windows and doors	✓	
	d. Vertical and Horizontal Openings	✓	
	e. "Negatve air machine" in use	✓	
	f. Negative pressure > 0.02"	✓	
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	

GSA ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ___ HEPA ✓ PAPER ___ TYP"C" ___	
	c. Proper Decontamination Sequence Followed	N/A	
5. Showers	a. Functioning?	N/A	
	b. Soap and Towels?		
	c. Used Each Departure?		
6. Work Habits In Work Area	a. No Smoking	✓	
	b. Eating/drinking	✓	

Field Notes:
*Describe any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered."

Background samples only

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: C Hood Date: 10-20-00

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 10-21-00

Site: Fan Coil units **EMI Rep:** C. Hardison

Address: 785 17th St., NW **EMI Job No:** _____

Client Contact: Galen Green **Client Phone:** 202-565-0097

0700 - arrived on site and met with projects office representative Tony Butler and Hillian Brothers supervisor Silibio Castro. Seneca Health and Safety is on site to collect personnel samples.

0745 - started background samples as follows;

sample #0 Rochelle Gomes office
sample #0 Irene Pulada's office
sample #0 Wayne Jones office
sample #0 patricia Alexa's office

0800 - the containment in Joe Bradley's office is in place and has been inspected. permission is given to proceed and pumps are placed as follows:

sample #09 inside containment Joe Bradley's office
sample #10 clean room Joe Bradley's office
sample #11 outside containment, Joe Bradley's office
sample #12 negative air exhaust Bradley + Johnson's office

0846 - the containments in Michelle Johnson's office and the office opposite Harriette Lewis has been inspected. permission is given to proceed and samples are placed as follows:

Sample #13 inside containment Michelle Johnson's office
Sample #14 clean room Michelle Johnson's office
Sample #15 outside containment " " "

Enviro-Management, Inc.

DAILY LOG

1000 - the crew is beginning abatement in the office opposite of Harriette Lewis's office and samples are placed as follows:
Sample # 16 inside containment
Sample # 17 clean Room
Sample # 18 outside containment
Sample # 19 negative air exhaust in Lewis's opposite Joanna Meader

1025 - the containment for Joanna Meader's office is in place and inspected. permission is given to proceed and pumps are placed as follows:
Sample # 20 inside containment
Sample # 21 clean Room
Sample # 22 outside containment

1045 - Collected samples # 09, 10 + 11 for PCM analysis from J. Bradley's office. permission is given to encapsulate.

1100 - Rochelle Gomes' office containment has been inspected and permission is given to proceed. Samples are placed as follows:
Sample # 23 Rochelle Gomes - inside containment
Sample # 24 " " - clean Room
Sample # 25 " " - outside containment
Sample # 26 " " - neg-air exhaust Gomes + Porada

1120 - the containment in Porada's office has been inspected and permission is given to proceed. Samples are placed as follows:
Sample # 27 inside containment
Sample # 28 clean Room
Sample # 29 outside clean Room

1200 - Collected sample # 08 from Alexia's office

1245 - collected samples # 19, 20, 21 + 22 from Harriette Lewis's office

Enviro-Management, Inc.

DAILY LOG

1200- started final clearance samples as follows:
sample #30, final
sample #31, final
sample #32 final
1345- the containment in Wayne L. Jones's office is ready for abatement after a satisfactory inspection. permission is given to proceed and samples are placed as follows:
1350- sample #33 W. Jones office inside containment
sample #34 W. Jones office clean Room
sample #35 W. Jones office outside containment
1400- the final clearance sample #36 is started in Joanna Meador's office
1405- sample #37 is started in the office next to michele Jay's office in the corner of the suite.
1410- collected samples # 36, 37, 38 + 39 from Porada's office
1414- Collected samples # 33, 34 + 35 from R. Gomes's office.
1430- the containment in Patricia Olexa's office has been inspected and approved for abatement activities:
sample # 38 inside containment
sample # 39 clean Room
sample # 40 outside containment
sample # 41 negative air exhaust
1540- Collected samples 38, 39, 40 + 41 for analysis
1705- Collected final clearance sample # 42 from Rochele Gomes office
1800- collected final clearance samples # 48 + 49 for analysis
1830- final clearance results of crol is within osha's clearance criteria. permission is given to dismantle
1900- departed site

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 682-2461

Industrial Hygienist: C. Hardison	Date: 10-31-00	Contractor: Hillian Bethel
Client: GSA	Client Contact: Galen Green	Contractor Contact: Paul Goodier
Site: NEOB (FAN coil units	Client Phone: 202-565-0097	Contractor Phone: 301-335-3937
Site Address: 725 17th St NW Wash DC	Client Address:	Sampling & Analytical Method:
		On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
05	R. Gomez office	PRE	12		0745	1030	165	1980	12.5/100	<0.01	
06	Irene Paradis office	PRE	12		0750	1035	165	1980	18/100	<0.01	
07	W. Jones office	PRE	12		0754	1035	161	1932	9.5/100	<0.01	
08	P. Olexia's office	PRE	12		1030	1200	100	1200	11/100	<0.01	
09	inside containment J. Bradley office	IE	2.5		0900	1045	105	262.5	97/100	0.05	
10	clean room	CR	2.5		0900	1045	105	262.5	8.5/100	0.01	
11	outside containment	OE	2.5		0900	1045	105	262.5	10/100	0.01	
12	neg-AIR Exhaust Bradley Johnson	EX	2.5		0904	1110	126	315	5/100	<0.01	
13	inside containment	IE	2.5		0950	1100	70	175	37.5/100	0.1	
14	clean room	CR	2.5		0950	1100	70	175	5.5/100	0.01	
15	outside containment	OE	2.5		0950	1100	70	175	6.5/100	0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hardison	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 682-2461

Industrial Hygienist: C. Hardison	Date: 10-21-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact: Paul Goodier
Site: NEOB (Fan coil units)	Client Phone: 202-565-0097	Contractor Phone: 301-335-3337
Site Address: 725 17th St, N.W. Wash. DC	Client Address:	Sampling & Analytical Method:
		On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
16	Harriette Lewis's office	IE	2.5		1000	1110	70	175	18.5/100	0.05	
17	" "	CR	2.5		1000	1110	70	175	2.5/100	<0.01	
18	" "	OE	2.5		1000	1110	70	175	.5/100	<0.01	
19	" "	EX	2.5		1000	1145	105	262.5	2/100	<0.01	
20	Joanna's Meadow's office	IE	2.5		1025	1145	80	200	2.5/100	0.02	
21	" " "	CR	2.5		1025	1145	80	200	.5/100	<0.01	
22	" " "	OE	2.5		1025	1145	80	200	2.5/100	<0.01	
23	Rochelle Gomes' office	IE	2.5		1100	1414	194	485	15/100	0.01	
24	" "	CR	2.5		1100	1414	194	485	2/100	<0.01	
25	" "	OE	2.5		1100	1414	194	485	3.5/100	<0.01	
26	Gomes + Poblada offices	EX	2.5		1110	1410	190	475	1.5/100	<0.01	
27	Poblada's office	IE	2.5		1130	1410	160	400	2.5/100	0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hardison	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. HARDISON	Date: 10-31-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact: Paul Goodier
Site: NEOB (FAN Coil units)	Client Phone: 202-565-0097	Contractor Phone: 301-335-3737
Site Address: 725 17th St, NW WASH DC	Client Address:	Sampling & Analytical Method: ____
		On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
28	Parada's office	CR	2.5		1120	1410	170	425	2.5/100	<0.01	
29	" "	OE	2.5		1120	1410	170	425	3/100	<0.01	
30	Joe Bradley's office	IEF	12		1200	1402	122	1,464	6.5/100	<0.01	
31	Michel'e Johnson "	IEF	12		1200	1421	141	1,692	38.5/100	0.01	failed + Re-encapsulated
32	Across from H. Lewis "	IEF	12		1200	[illegible]	121	1,452	38/100	0.01	failed + Re-encapsulated
33	Wayne L Jones office	IE	2.5		1350	1540	110	275	21/100	0.03	
34	" " "	OE	2.5		1350	1540	110	275	3/100	<0.01	
35	" " "	OE	2.5		1350	1540	110	275	2/100	<0.01	
36	JOANNA'S office	IEF	12		1400	1605	125	1,500	19/100	<0.01	
37	next to michele Jay's office	PRE	12		1402	1452	110	1320	13.5/100	<0.01	
38	PATRICIA alexa's office	IE	2.5		1430	1540	70	175	22.5/100	0.06	
39	" " "	OE	2.5		1430	1540	70	175	3/100	<0.01	
40	BLANK	BLK	—	—	—	—	—	—	—	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 682-2461

Industrial Hygienist: C Hardison	Date: 10-21-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: NEOB FAN coil units	Client Phone:	Contractor Phone:
Site Address: 725 17th St, NW Wash. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
40	Olexa's office	OE	2.5		1430	1540	70	175	45/100	0.01	
41	" "	EX	2.5		1430	1540	95	237.5	3/100	<0.01	
42	Rochelle Gomez office	IEF	12		1540	1725	105	1260	10/100	<0.01	
43		IEF	12								NO SAMPLE Deployed
44	Michele Joy's office	IE	2.5		1455	1740	165	412.5	17.5/100	<0.01	
45	" " "	CR	2.5		1455	1740	165	412.5	3.5/100	<0.01	
46	" " "	OE	2.5		1455	1740	165	412.5	.5/100	<0.01	
47	" " "	EX	2.5		1455	1740	165	412.5	4/100	<0.01	
48	Michelle Johnson's office	IEF	12		1630	1818	102	1,224	12/100	<0.01	
49	Across from H. Lewis	IEF	12		1630	1800	190	1440	12.5/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY:	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB

PROJECT: Fan coil units

LOCATION: 725 17th St., N.W.

DATE: 10-31-00

REMOVAL CONTRACTOR: Hillian

TIME STARTED: 0700

MONITORING CONTRACTOR: EMI

TIME STOPPED: 1900

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	PROBLEMS ENCOUNTERED
1. WORK SITE ISOLATION	a. PERIMETER BARRIER	✓	
	b. DECONTAMINATION CURTAINS	✓	
	c. NEGATIVE PRESSURE GLOVEBAG PROJECT	N/A	
	d. SEALS AROUND DUCTS WINDOWS & DOORS	✓	
	e. NEGATIVE AIR MACHINE IN USE	✓	
	f. NEGATIVE PRESSURE > 0.02	✓	
2. SIGNAGE	a. CAUTION SIGNS AT VESTIBULE ENTRY	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. DUMPSTER, DUCTS, DRUMS, & BAGS LABELED	✓	
3. WORK PRACTICES	a. HAMMERS, SAWS, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN REMOVAL AREA	✓	
	d. HEPA VACCUUM IN USE	✓	
	e. MATERIAL KEPT WET UNTIL BAGGED	✓	

4. WORKER PROTECTION

	a DISPOSABLE CLOTHING USED ONCE	✓	
	b. PROPER NIOSH RESPIRATORS	DISPOSAL	
		HEPA ✓	
		PAPER	
		TYPE "C"	
	c. PROPER DECONTAMINATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & TOWELS	N/A	
	c. USED EACH DEPARTURE	N/A	
6. WORK HABITS IN WORK AREA	a. NO SMOKING	✓	
	b. EATING/DRINKING	✓	

FIELD NOTES:
(*DESCRIBE ANY PROBLEMS ENCOUNTERED HERE. THE QUESTIONS ARE TO BE ANSWERED EITHER "YES" OR "PROBLEM ENCOUNTERED".

REPORT PREPARED BY: C Hand DATE: 10-21-00

Enviro-Management, Inc.

DAILY LOG

Project: NEOB (FAN coil units) **Date:** 10-22-00

Site: Suites & 3096 **EMI Rep:** C. HARdison

Address: 725 17th St., N.W. **EMI Job No:** _____

Client Contact: Galen Green **Client Phone:** 202-565-0097

0700 - Arrived on site and met with the Hillian Brothers on site Supervisor, Mr. Libio. I instructed Mr. Libio to slow his work crew down and pay more attention to dust emissions during cutting and fine cleaning. Two containments failed final clearance on 10-21-00 and two others came close to failing.

0730 - Started final clearance samples in the following locations:

Sample #50 - Irene Polada's office
Sample # 51 - Wayne Jone's office
Sample # 52 - Patricia Alexa's office
Sample # 53 - office @ South East End of Hall

0730 - Started Background samples in suite 3096

Sample # 54 - Developement team office
Sample # 55 - Reconstruction team office
Sample # 56 - QA testers office
Sample # 57
Sample # 58
Sample # 59

0900 - Selected samples 54, 55 + 56 and gave permission to proceed samples placed as follows:

Sample # 60 inside containment @ Development
Sample # 61 clean room
Sample # 62 outside clean room "

Enviro-Management, Inc.

DAILY LOG

Sample # 63 - inside Reconstruction
Sample # 64 - Clean Room "
Sample # 65 - outside "
Sample # 66 - neg. air Exhaust
Sample # 67 - inside QA
Sample # 68 clean Room QA
Sample # 69 outside QA
0900 - Collected final clearance samples from 4th floor for PCM analysis: Samples # 50, 51, 52, + 53. - - - Analytical Results of <0.01 f/cc meet OSHA's criteria for Reoccupancy after Abatement. permission is given to remove all remaining containments on the 4th floor.
1030 - Collected samples # 60, 61 + 62 from the containment in the Development office and gave permission to encapsulate.
1030 - After a satisfactory inspection, permission is given to proceed with abatement activities in Ray Goods office. Samples are placed as follows:
Sample # 70 inside containment
Sample # 71 clean Room
Sample # 72 outside clean Room
1010 - Collected samples 63, 64, 65 + 66 from the Reconstruction office and gave permission to encapsulate.
1115 - Started samples in containment in the office directly behind the reception office as follows: (containment x)
Sample # 73 inside containment
Sample # 74 clean Room
Sample # 75 outside containment

Enviro-Management, Inc.

DAILY LOG

SAMPLE# 76 - NEGATIVE AIR EXHAUST - CONTAINMENT X & DATA RECOVERY.

1135 - COLLECTED SAMPLES ~~[illegible]~~ 66, 67, 68, 69, 70, 71 & 72 FOR ANALYSIS.

1140 - THE CONTAINMENT IN THE TAPE RECOVERY ROOM HAS BEEN INSPECTED AND PERMISSION IS GIVEN TO BEGIN ABATEMENT ACTIVITIES.
SAMPLES ARE PLACED AS FOLLOWS:
SAMPLE # ~~[illegible]~~ 7 INSIDE CONTAINMENT
SAMPLE # 78 CLEAN ROOM
SAMPLE # 79 OUTSIDE CONTAINMENT

1195 - FINAL CLEARANCE DEVELOPEMENT TEAM OFFICE
SAMPLE # ~~[illegible]~~ 80

1130 - FINAL CLEARANCE RECONSTRUCTION OFFICE
SAMPLE # ~~[illegible]~~ 81

1135 - FINAL CLEARANCE SAMPLE - QA TESTERS OFFICE
SAMPLE # 82

1135 - FINAL CLEARANCE SAMPLE - RAY GOOD'S OFFICE
SAMPLE # 83

1215 - COLLECTED SAMPLES # 73, 74 + 75 FROM CONTAINMENT X AND GAVE PERMISSION TO ENCAPSULATE.

1230 - COLLECTED SAMPLES 76, 77 + 78 FOR ANALYSIS

1240 - COLLECTED SAMPLE # 79 FOR ANALYSIS

1295 - FINAL CLEARANCE SAMPLES ARE COLLECTED FROM SAMPLES 80, 81, 82 + 83.

1245 - STARTED FINAL CLEARANCE SAMPLES IN CONTAINMENT "X" AND IN THE TAPE RECOVERY OFFICE:
SAMPLE # 84 FINAL CLEARANCE CONTAINMENT "X"
SAMPLE # 85 FINAL CLEARANCE TAPE RECOVERY

1427 - COLLECTED SAMPLES # 84 + 85. RESULTS ARE C.O.C AND PERMISSION IS GIVEN TO REMOVE ALL CONTAINMENTS.

1500 - DEPARTED SITE

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Hardison	Date: 10-22-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact: Silbio Castro
Site: NEOB Suite 3026	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 13th St. NW Wash. DC	Client Address:	Sampling & Analytical Method:
		On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFD = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
60	Development Team containment	IE	2.5		0920	1020	60	150	12/100	0.03	
61	" " clean Room	CR	2.5		0920	1020	60	150	3/100	<0.01	
62	" " outside	OE	2.5		0920	1020	60	150	2.5/100	<0.01	
63	Reconstruction office inside	IE	2.5		0920	1110	110	275	7.5/100	0.01	
64	" " clean Rm	CR	2.5		0925	1110	105	262.5	8/100	<0.01	
65	" " outside	OE	2.5		0925	1110	105	262.5	3/100	<0.01	
66	" " neg AIR	EX	2.5		0925	1110	105	262.5	3.5/100	<0.01	
67	inside containment Q+A	IE	2.5		0930	1135	125	312.5	9/100	0.01	
68	Clean Room Q+A	CR	2.5		0930	1135	125	312.5	4/100	<0.01	
69	outside containment Q+A	OE	2.5		0930	1135	125	312.5	3.5/100	<0.01	
70	Inside Ray Goods office	IE	2.5		1030	1135	65	162.5	4.5/100	0.02	
71	Clean Room Ray Goods office	CR	2.5		1030	1135	65	162.5	2.5/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY:

RELINQUISHED BY: (DATE/TIME)

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. HARdison	Date: 10-22-00	Contractor: Hillion Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact: Silvio Castro
Site: NEOB suite 3086	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 13th St, NW WASH. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
72	outside containment Ray Good's office	OE	2.5		1030	1135	65	162.5	2.5/100	<0.01	
73	inside containment X	IE	2.5		1115	1215	60	150	11/100	0.03	
74	clean Rm containment X	CR	2.5		1115	1215	60	150	2/100	<0.01	
75	outside containment X	OE	2.5		1115	1215	60	150	3.5/100	0.01	
76	Neg air Exhaust DATA Recovery X	EX	2.5		1115	1230	75	187.5	1/100	<0.01	
77	inside Tape Recovery	IE	2.5		1140	1230	50	125	13/100	0.05	
78	Clean Room, tape Recovery	CR	2.5		1140	1230	50	125	1.5/100	<0.01	
79	outside Tape Recovery	OE	2.5		1140	1240	60	150	2/100	<0.01	
80	Final-Development team	IEF	12		1125	1325	120	1440	13.5/100	<0.01	
81	Final-Reconstruction office	IEF	12		1130	1325	125	1500	12/100	<0.01	
82	Final- QA testers office	IEF	12		1135	1325	110	1320	9.5/100	<0.01	
83	Final- Ray Good's office	IEF	12		1135	1325	110	1320	11/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY:

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Hardison	Date: 10-22-00	Contractor: Hillian Brothers
Client: GSA	Client Contact: Galen Green	Contractor Contact: Silbio Castro
Site: NEOB Suite 3086	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 13th St, N.W. Wash. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
84	Final-Containment-X	IEF	12	013	1345	1497	102	9448	12.5/100	<0.01	
85	Final-Tape Recovery	IEF	12	018	1345	1497	102	9448	31/100	<0.01	
86	Blank	BLK	—	—	—	—	—	—	—	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hardison

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB suite 3086 PROJECT: Fan Coil units

LOCATION: 725 17th St., NW DATE: 10-22-00

REMOVAL CONTRACTOR: Hillian Brothers TIME STARTED: 0700

MONITORING CONTRACTOR: EMI TIME STOPPED: 1500

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	PROBLEMS ENCOUNTERED
1. WORK SITE ISOLATION	a. PERIMETER BARRIER	✓	
	b. DECONTAMINATION CURTAINS	✓	
	c. NEGATIVE PRESSURE GLOVEBAG PROJECT	N/A	
	d. SEALS AROUND DUCTS WINDOWS & DOORS	✓	
	e. NEGATIVE AIR MACHINE IN USE	✓	
	f. NEGATIVE PRESSURE > 0.02	✓	
2. SIGNAGE	a. CAUTION SIGNS AT VESTIBULE ENTRY	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. DUMPSTER, DUCTS, DRUMS, & BAGS LABELED	✓	
3. WORK PRACTICES	a. HAMMERS, SAWS, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN REMOVAL AREA	✓	
	d. HEPA VACCUUM IN USE	✓	
	e. MATERIAL KEPT WET UNTIL BAGGED	✓	

4. WORKER PROTECTION

	a DISPOSABLE CLOTHING USED ONCE	✓	
	b. PROPER NIOSH RESPIRATORS	DISPOSAL	
		HEPA ✓	
		PAPER	
		TYPE "C"	
	c. PROPER DECONTAMINATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	N/A	
	b. SOAP & TOWELS	N/A	
	c. USED EACH DEPARTURE	N/A	
6. WORK HABITS IN WORK AREA	a. NO SMOKING	✓	
	b. EATING/DRINKING	✓	

FIELD NOTES:
(*DESCRIBE ANY PROBLEMS ENCOUNTERED HERE. THE QUESTIONS ARE TO BE ANSWERED EITHER "YES" OR "PROBLEM ENCOUNTERED".

REPORT PREPARED BY: C. J. Moltan DATE: 10-22-00

Enviro-Management, Inc.

DAILY LOG

Project: NEOB (Fan coil 5th Floor) **Date:** 10-27-00

Site: _____ **EMI Rep:** CJ

Address: 725 17th St., N.W. **EMI Job No:** _____

Client Contact: Galen Green **Client Phone:** 202-565-0097

7:10 arrived on site, checked in, Crew ahead preparing rooms. It is a suite of five rooms or A-E. Background set up in each area. The background for the Library & Research Services was also done (ie) room 5025.

10:10 Departed site.

Enviro-Management, Inc. 28OCT00

DAILY LOG

- 0735- Arrived onsite. (C.J and Lisa).
- 0735- Placed pumps at Rooms C and D. 1 each containment, clean room and microtrap. total 6 pumps. Continued backgrounds sampling on Room 5025 and E.
- 0745-0755 Placed pumps at containment Room C, clean room and micro trap.
- 0810 - Placed pumps at room B 1 each containment, clean room and microtrap.
- 0850- All three pumps were collected from room C. Fine cleaning was done. Containment was inspected and cleared for encapsulation. Pumps were placed in Room 4 (3 pumps). Backgrounds were picked up (pumps) from Room 5025 and Room E.
- 0900- Containment area C was encapsulated.

0915 - Three pumps deployed in containment E, containment, clean room & microtrap.

0925 - Pumps were removed from Room D. Fine cleaning was done. Containment was inspected for encapsulation.

9:50 - All three pumps were collected, inspected, crew given OK to encapsulate. (Room 6)

10:25 all three pumps were called from Room A, work was inspected crew given OK to encapsulated. Room A.

10:35 - 3 pumps collected from Room E. work was inspected, Crew given OK to encapsulate.

10:40 Room 5025 was preped, Two containment constructed,

11:00 Containment 6 & 7, Pumps were deployed at 11:00 am. One in each containment, each clean room & one by microtrap. (5 total)

12:30 Pumps removed from containment 6 & 7, inspected, OK given to encapsulate.

After encapsulation the containments were allowed to dry then the final clearance deployed as follows room C, D, B, A & E. Between 11:25 & 9:40.

Enviro-Management, Inc.

DAILY LOG

* Room A-E are located in suite 5026 on 5th floor.
3:50 all fenals read, all containment torn down, Crew vacuuming and bagging poly. Rooms were cleared and permission given to reoccupy.
4:00 Departed site

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: CJ	Date: 10-27-00	Contractor: Killian Brothers
Client: NEOB	Client Contact: Galen Green	Contractor Contact: Silvio Castro
Site: 5th Fl Fan Coil (5025)	Client Phone: 202-565-0089	Contractor Phone:
Site Address: 795 17th St., NW Wash. DC	Client Address:	Sampling & Analytical Method:
		On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
01	Room A	PRE	12		730	950	140	1680	15.5/100	0.005	
02	Room B	PRE	12		731	951	140	1680	11/100	0.003	
03	Room C	PRE	12		735	955	140	1680	12/100	0.004	
04	Room D	PRE	12		740	1000	140	1680	10/100	0.003	
* 05	Room E	PRE	12		8:00	1000	140	1680	10/100	0.003	* Contd. next day
* 06	Library & Research Services Rm 5025	PRE	12		8:00	1000	140	1680	23/100	0.008	* Contd. next day

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY:

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Suite 5025 Project: Fan Coil units

Location: 725 17th St. NW Date: 10-27-00

Removal Contractor: Killian Time Inspected: 19:10

Monitoring Contractor: EMI Time Work Started: 2210

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Seals around ducts, windows and doors	✓	
	d. Vertical and Horizontal Openings	✓	
	e. "Negatve air machine" in use	✓	
	f. Negative pressure > 0.02"	✓	
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	

GSA ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ___ HEPA ✓ PAPER ___ TYP"C" ___	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?	N/A	
	b. Soap and Towels?	N/A	
	c. Used Each Departure?	N/A	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. Eating/drinking	✓	

Field Notes:
*Describile any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered."

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: C. J. Mohan Date: 10-27-00

Room A. Suite 5026

Enviro-

3100 Pennsylvania Avenue, Ste
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: CJ + LSA	Date: 10-28-00	Contractor: Hillian
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: NEOB 5th FL	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St, N.W. Wash. DC 20028	Client Address:	Sampling & Analytical Method:
		On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CRA clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
1A	Containment	IE	2.5	37	0845	1025	100	250	100/80	2.[illegible]	
2A	Clean Rm	CR	2.5	09	0850	1025	95	237.5	38/100	0.07	
3A	microtrap	EX	2.5	07	0855	1025	90	225	8/100	<0.01	
4A	Final	IEF	12l	1058	1150	1:30	100	1200	10/100	0.004	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY:	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

Room B suite 5026

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: CJ + Lisa	Date: 10-28-00	Contractor:
Client:	Client Contact:	Contractor Contact:
Site: NEOB 5th FL.	Client Phone:	Contractor Phone:
Site Address:	Client Address:	Sampling & Analytical Method:
		On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
1B	Containment	IE	2.5	938	0810	950	120	300	175/50	0.9	
2B	Clean Rm	C.R	2.5	768	0815	950	125	312.5	17/100	0.02	
3B	microtrap	EX	2.5	251	0820	950	130	325	17/100	<0.01	
4B	Final	IEF	12l	1597	11:35	1315	100	1200	11	0.004	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY:	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

Room C, Suite 5026

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: CJ & Lisa	Date: 10-28-00	Contractor: Hillian
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: NEOB 5th Fl.	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 795 17th St., N.W. Washington, DC	Client Address:	Sampling & Analytical Method:
		On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
1E	Containment	IE	2.5	7136	745	850	65	162.5	177/50	1.0	
2E	clean rm	CR	2.5	7135	750	850	60	150	19/100	0.06	
3E	micro-trap.	EX	2.5	7128	755	850	65	162.5	10/100	0.03	
4C	Final	IEF	121	013	1125	1305	100	1200	10/100	0.004	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY:	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

Room D, Suite 5026

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: CJ & LISA	Date: 10-28-00	Contractor:
Client:	Client Contact:	Contractor Contact:
Site: 5th Fl NEOB	Client Phone:	Contractor Phone:
Site Address:	Client Address:	Sampling & Analytical Method:
		On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
1D	Containment	IE	2.5	7256	730	0925	115	287.5	126/50	9.5	
2D	Clean room	CR	2.5	7275	735	0925	110	275	62	0.4	
3D	micro-trap.	EX	2.5	7153	740	0925	105	2625	10	0.1	
4D	Final	IEF	12	1057	11:30	13:10	100	1200	10	0.004	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY:	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

ROOME

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: CJ + USA	Date: 10-28-00	Contractor:
Client:	Client Contact:	Contractor Contact:
Site:	Client Phone:	Contractor Phone:
Site Address:	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
1E	Containment	IE	2.5	7149	0910	1030	80	200	187/50	0.9	
2E	Clean RM	CR	2.5	7105	0913	1030	77	192.5	14/100	0.03	
3E	Micro-trap	EX	2.5	7270	0915	1030	75	187.5	10/100	0.02	
4E	Final	IEF	12l	1527	1:10	2:50	100	1200	12/100	0.005	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY:	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

KM 5025 (cont. #6) & 7

Enviro-

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: CJ & Lisa	Date: 10-28-00	Contractor:
Client:	Client Contact:	Contractor Contact:
Site:	Client Phone:	Contractor Phone:
Site Address:	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
01	Clean Room (6)	CR	2.5	7970	11:00	1240	100	250	117/50	0.4	
02	Containment (6)	IE	2.5	930	11:00	12:40	100	250	34/100	0.06	
03	Containment (7)	IE	2.5	797	11:10	12:45	105	262.5	Void	—	
04	Clean room (7)	CR	2.5	7756	11:10	12:45	95	237.5	43/100	0.08	
05	Micro trap	EX	2.5	7779	11:00	12:40	100	250	22/100	0.04	
06F	Final Cont. #6	IEF	12	013	1:35	3:15	100	1200	5/100	0.004	
07F	Final Cont. #7	IEF	12	1985	1:40	3:20	100	1200	7/100	0.004	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY:	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

93-0550
Reviewed/Mailed T.S.
MAR 17 1993

ENVIRONMENTAL[sm]

4611 Assembly Drive
Suite N
Lanham, MD 20706
TEL: (301) 306-0632
FAX: (301) 306-9354

COPY

CANOFILE DC010522

February 11, 1993

Asbestos Assessment
Bathrooms and Corridors-New Executive
Office Building
OMC PROJECT #: 038-NEOBDC-37

Performed for:

GSA, NCR, WPX
Room 2
7th and D Streets, S.W.
Washington, DC 20407

Contract #: GS11P87MJD0030

Order #: P1193DC9093
Pay #: P09373291

Attn: Ms. Normajean Eleazer

OMC has completed laboratory analysis to determine the presence of asbestos in the bulk samples collected by Paul Goodier from the New Executive Office Building and submitted to the OMC Laboratory on February 2, 1993.

Sample analysis was performed in accordance with the Environmental Protection Agency's (EPA) Interim Method for the Determination of Asbestos in Bulk Samples. This method employs polarized light microscopy to identify a sample's fibrous components. No asbestos was detected in any of the eight (8) samples collected.

Analytical results are enclosed for your review.

If you have any questions, please contact our office.

Sincerely,

Patsy W. Glinsmann, CIH
Manager, Industrial Hygiene Services

OMC, Inc. LABORATOR

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/05/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/02 at NEW EXECUTIVE OFFICE BUILDING**

Sample Number: 038-NEOBDC-37-02/02-B0001

Location: EIGHTH FLOOR MEN'S ROOM, CEILING PLASTER

Appearance: Homogeneous
Texture is: Cementitious
Color is: white

ASBESTOS MATERIALS

****
*** ASBESTOS CONCENTRATION IS NOT DETECTED ***
****

FIBROUS NON-ASBESTOS MATERIALS

Cellulose	1 % - 5 %
Fibrous Concentration is	1 % - 5 %

NON-FIBROUS MATERIALS

Carbonates Opaques Silicates filler/binder
micaceous matls

Non-Fibrous Concentration is 95 % - 100 %

Reference : 187 095045 RECEIVED: 02/04/93 ANALYZED: 02/05/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By:
LAB DIRECTOR

O M C METHOD FOR CEMENT;CONCRETE;BROWNCOAT;PLASTER
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

OMC, Inc. LABORATOR'

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/05/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/02 at NEW EXECUTIVE OFFICE BUILDING**

Sample Number: 038-NEOBDC-37-02/02-B0002

Location: EIGHTH FLOOR MEN'S ROOM, DUST ABOVE CEILING

Appearance: Homogeneous
Texture is: Tar-like
Color is: black

ASBESTOS MATERIALS

****
* **ASBESTOS CONCENTRATION IS NOT DETECTED** *
****

NON-FIBROUS MATERIALS

Carbonates filler/binder

Non-Fibrous Concentration is 95 % - 100 %

Reference : 187 095046 RECEIVED: 02/04/93 ANALYZED: 02/05/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By:
LAB DIRECTOR

O M C METHOD FOR TAR OR MASTIC
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

OMC, Inc. LABORATOR'

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/05/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/02 at NEW EXECUTIVE OFFICE BUILDING**

Sample Number: 038-NEOBDC-37-02/02-B0003

Location: EIGHTH FLOOR HALLWAY, CEILING PLASTER

Appearance: Homogeneous
Texture is: Cementitious
Color is: white

ASBESTOS MATERIALS

****
* **ASBESTOS CONCENTRATION IS NOT DETECTED** *
****

NON-FIBROUS MATERIALS

Carbonates Opaques Silicates filler/binder

Non-Fibrous Concentration is 95 % - 100 %

Reference : 187 095047 RECEIVED: 02/04/93 ANALYZED: 02/05/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By:
LAB DIRECTOR

O M C METHOD FOR CEMENT;CONCRETE;BROWNCOAT;PLASTER
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

OMC, Inc. LABORATOR'

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/05/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/02 at NEW EXECUTIVE OFFICE BUILDING**

Sample Number: 038-NEOBDC-37-02/02-B0004

Location: EIGHTH FLOOR HALLWAY, CEILING PLASTER

Appearance: Homogeneous
Texture is: Cementitious
Color is: white

ASBESTOS MATERIALS

****
*** ASBESTOS CONCENTRATION IS NOT DETECTED ***
****

NON-FIBROUS MATERIALS

Carbonates Opaques Silicates filler/binder

Non-Fibrous Concentration is 95 % - 100 %

Reference : 187 095048 RECEIVED: 02/04/93 ANALYZED: 02/05/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By:
LAB DIRECTOR

O M C METHOD FOR CEMENT;CONCRETE;BROWNCOAT;PLASTER
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/05/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/02 at NEW EXECUTIVE OFFICE BUILDING**

Sample Number: 038-NEOBDC-37-02/02-B0005

Location: EIGHTH FLOOR HALLWAY, CEILING PLASTER

Appearance: Heterogeneous
Texture is: Cementitious
Color is: beige white

ASBESTOS MATERIALS

****
* **ASBESTOS CONCENTRATION IS NOT DETECTED** *
****

NON-FIBROUS MATERIALS

Carbonates Opaques Silicates filler/binder

Non-Fibrous Concentration is % - 95 %

Reference : 187 095049 RECEIVED: 02/04/93 ANALYZED: 02/05/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By:
LAB DIRECTOR

O M C METHOD FOR PAINT
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/05/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/02 at NEW EXECUTIVE OFFICE BUILDING**

Sample Number: 038-NEOBDC-37-02/02-B0006

Location: EIGHTH FLOOR, MEN'S BATHROOM, CEILING DUST

Appearance: Homogeneous
Texture is: Cementitious
Color is: black

ASBESTOS MATERIALS

****
*** ASBESTOS CONCENTRATION IS NOT DETECTED ***
****

FIBROUS NON-ASBESTOS MATERIALS

Cellulose	1 % - 5 %
Mineral Wool	1 % - 5 %
Synthetic	1 % - 5 %
Fibrous Concentration is	10 % - 15 %

NON-FIBROUS MATERIALS

Carbonates Opaques Silicates filler/binder

Non-Fibrous Concentration is 85 % - 90 %

Reference : 187 095050 RECEIVED: 02/04/93 ANALYZED: 02/05/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By:
LAB DIRECTOR

O M C METHOD FOR CEMENT;CONCRETE;BROWNCOAT;PLASTER
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/05/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/02 at NEW EXECUTIVE OFFICE BUILDING**

Sample Number: 038-NEOBDC-37-02/02-B0007

Location: MEN'S BATHROOM CEILING PLASTER

Appearance: Homogeneous
Texture is: Cementitious
Color is: white

ASBESTOS MATERIALS

****
* **ASBESTOS CONCENTRATION IS NOT DETECTED** *
****

NON-FIBROUS MATERIALS

Carbonates Opaques Silicates filler/binder

Non-Fibrous Concentration is 95 % - 100 %

Reference : 187 095051 RECEIVED: 02/04/93 ANALYZED: 02/05/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By:
LAB DIRECTOR

O M C METHOD FOR CEMENT;CONCRETE;BROWNCOAT;PLASTER
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

OMC, Inc. LABORATOR

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/05/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/02 at NEW EXECUTIVE OFFICE BUILDING**

Sample Number: 038-NEOBDC-37-02/02-B0008

Location: PLASTER

Appearance: Homogeneous
Texture is: Cementitious
Color is: white

ASBESTOS MATERIALS

****
* **ASBESTOS CONCENTRATION IS NOT DETECTED** *
****

NON-FIBROUS MATERIALS

Carbonates Opaques Silicates filler/binder

Non-Fibrous Concentration is 95 % - 100 %

Reference : 187 095052 RECEIVED: 02/04/93 ANALYZED: 02/05/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By:
LAB DIRECTOR

O M C METHOD FOR CEMENT;CONCRETE;BROWNCOAT;PLASTER
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

REPAIR SECONDARY CHILLED WATER SYSTEM

FEDERAL BUILDING

WASHINGTON, DC

HAZARDOUS MATERIALS REPORT

50 Percent Submission

Contract Number: GS-11P-97-AQD-0016
Project Control Number: RDC 87006

28 April 1999

Summer Consultants, Inc.
6845 Elm Street, Suite 200
McLean, VA 22101

Our Ref: 984.04

ATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS

Limited Asbestos and Lead Paint Survey
Repair Secondary Water System Project
Federal Office Building
Washington, D.C.
Summer Ref. No. 984.04
ATC Project No. 10953-99.00028

ATC ASSOCIATES INC.

8989 Herrmann Drive
Suite 300
Columbia, Maryland 21045-4710
410.381.0232
Fax 410.381.8908

April 27, 1999

Summer Consultants, Inc.
6845 Elm Street, Suite 200
McLean, Virginia 22101

Re: Limited Asbestos and Lead Paint Survey
Repair Secondary Water System Project
Federal Office Building
Washington, D.C.
Summer Ref. No. 984.04
ATC Project No. 10953-99.00028

Gentlemen:

ATC Associates Inc. (ATC) is pleased to submit the attached Limited Asbestos and Lead Paint Survey for the referenced site. The survey was performed on April 19, 1999, and included those areas identified by Summer Consultants, Inc. during the walk-through. This report includes the procedures and methods for the sample collection, and the analytical results for the surveys.

As a result of the survey, accessible asbestos-containing materials, lead based paint and paint containing detectable levels of lead were identified in the renovation areas. ATC has provided conclusions and/or recommendations regarding the asbestos-containing materials and lead within the report.

ATC Associates Inc. appreciates the opportunity to perform Limited Asbestos and Lead Paint Surveys for Summer Consultants, Inc. Please contact our office if we may be of further assistance.

Sincerely,

ATC ASSOCIATES INC.

S. Michael Derdeyn
Project Manager

Ted R. Mitchell, CHMM
Senior Project Manager

ATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS

Limited Asbestos and Lead Paint Survey
Repair Secondary Water System Project
Federal Office Building
Washington, D.C.

Prepared for

Summer Consultants, Inc.
6845 Elm Street, Suite 200
McLean, Virginia 22101
Summer Ref. No. 984.04

Prepared by

ATC Associates Inc.
8989 Herrmann Drive, Suite 300
Columbia, Maryland 21045-4710

Project No. 10953-99.00028

April 27, 1999

TABLE OF CONTENTS

LETTER OF TRANSMITTAL

1.0 PURPOSE AND SCOPE OF SERVICES 1

2.0 BACKGROUND 1

3.0 ASBESTOS-CONTAINING MATERIALS 2

4.0 LEAD 3

5.0 CONCLUSIONS AND RECOMMENDATIONS 4

6.0 ASSUMPTIONS AND LIMITATIONS 4

APPENDICES

APPENDIX A : ASBESTOS BULK SAMPLE ANALYSIS REPORT

APPENDIX B : XRF LEAD TESTING REPORT

APPENDIX C: SUSPECT ASBESTOS-CONTAINING MATERIAL SAMPLE LOCATIONS

APPENDIX D XRF TEST LOCATIONS

LIMITED ASBESTOS AND LEAD PAINT SURVEY
Repair Secondary Water system Project
Federal Office Building
Washington, D.C.
Summer Ref. No. 984.04
ATC Project No. 10953-99.00028

PURPOSE AND SCOPE OF SERVICES

The purpose of this project was to conduct a Limited Asbestos and Lead Paint Survey of the portions of the Federal Office Building located in Washington, D.C. scheduled for renovation as part of the Repair Secondary Water System Project. Specifically, ATC Associates Inc. (ATC) was contracted to provide the following services:

A. Review existing environmental documentation;

B. Conduct a walk-through inspection of the portions of the building slated for renovation with Summer Consultant's Project Engineer;

C. Identify suspect asbestos-containing materials and lead paint that may be impacted by the proposed renovations; and

D. Collect samples of suspect asbestos-containing material and test for the presence of lead in paint utilizing a portable Niton XL X-Ray Florescence spectrum analyzer.

The survey was conducted by EPA accredited AHERA Inspector/Management Planners and an EPA accredited Lead Inspector Technician.

2.0 BACKGROUND

The Federal Office Building is located in Washington, D.C. The limited asbestos and lead paint survey was performed in order to identify asbestos-containing materials and lead paint that may be impacted by the Repair Secondary Water System Project.

3.0 ASBESTOS-CONTAINING MATERIALS

The following is a list of suspect asbestos-containing materials identified during the walk-through inspection conducted on April 19, 1999:

- Smooth Wall Plaster
- Wallboard Systems
- Floor Tile and Associated Mastic
- Covebase and Associated Mastic
- White Mastic Associated with Fiberglass Pipe Insulation
- Spray-Applied Fireproofing Insulation
- Acoustical Wall Tiles and Associated Mastic
- Suspended Ceiling Tiles

Due to time constraints, ATC was unable to review existing GSA documentation.

ATC collected a total of 21 bulk samples of suspect asbestos-containing materials, resulting in 23 analyses. The samples were analyzed by R J. Lee Group laboratory of Monroeville, Pennsylvania using Polarized Light Microscopy (PLM) according to EPA methods 600/M4-82-020 and 600/R-93/116. R.J. Lee Group participates in the National Voluntary Laboratory Accreditation Program (NVLAP), a quality assurance program for Polarized Light Microscopy, and is accredited by the National Institute of Standards and Technology (NIST).

Any material that contains greater than one percent asbestos is considered an ACM and must be handled in accordance with OSHA, EPA and applicable local regulations.

The following materials were identified as asbestos-containing through laboratory analysis:

- 9" x 9" Grey Floor Tile and Associated Mastic
- Wallboard System
- White Mastic Associated with Fiberglass Pipe Insulation
- Mastic Associated with Acoustical Wall Tiles
- Spray-Applied Fireproofing

Information regarding the laboratory analytical results has been included in Appendix A.

4.0 LEAD PAINT

The following is a list of building components identified during the walk-through inspection that were suspected of being covered with lead paint:

- Fan Coil Unit Housings
- Walls
- Baseboards

ATC tested 22 surfaces with a portable Niton XL X-Ray Florescence spectrum analyzer. District of Columbia and Federal lead-based paint regulations define a lead-based paint as any paint, or other surface encapsulation material, containing more than 0.50% lead by weight, or more than 0.7 milligrams per square centimeter.

The GSA guide specification for the Removal and Disposal of Lead-Based Paint (specification section 02090) provides the requirements and standards providing lead-based paint services in GSA operated facilities.

The GSA guide specification section 02090 and the OSHA Lead Exposure in Construction Standard, 29 CFR 1926.62 applies to all construction activities where lead-based paint is present.

Where lead is present at levels less than 0.5% by weight or 0.7 milligrams per square centimeter, the GSA guide specification does not necessarily apply. The Lead Exposure in Construction Standard does, however, still apply.

The Lead Exposure in Construction Standard requires the employer to assure that no employee is exposed to lead at concentrations greater than 50 micrograms per cubic meter of air averaged over an eight-hour period. The Standard further requires the employer to make a determination of its employee's potential exposure to lead. This initial determination is typically achieved by performing personal monitoring during various "representative" construction activities. The level of personal and respiratory protection is modified based upon the results of the monitoring.

XRF testing revealed lead concentrations equal to or greater than 0.7 mg/cm^2 for the following surfaces:

- Vinyl Baseboard – Room 3221

XRF testing revealed lead concentrations less than 0.7 mg/cm^2, but greater than the limit of detection for the instrument used on the following surfaces:

- Fan Coil Unit Housings – Throughout Renovation Area
- Metal Partition Walls – Throughout Renovation Area
- Metal Baseboards Associated with Metal Partition Walls – Throughout Renovation Area

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon the scope of work conducted for this survey, ATC concludes and recommends the following:

A. Asbestos-containing materials should be removed and disposed of prior to renovation activities in accordance with the current GSA specification for asbestos abatement procedures. The removal should be conducted by a licensed asbestos abatement removal contractor in accordance with all applicable regulations.

B. ATC recommends that the contractor utilize extreme care during the renovation process not to disturb the asbestos-containing spray-applied fireproofing located on the structural steel beams and ceiling deck when working on floors above. ATC also recommends that, during the initial phases of work, the floor areas below be contained and air monitoring be conducted to ensure that the contractors work practices and procedures do not impact the asbestos-containing fireproofing.

C. Painted surfaces identified as being covered with paint containing lead in concentrations greater than or equal to 0.7 mg/cm^2 should be handled in accordance with the requirements of the GSA guide specification the Removal and Disposal of Lead-Based Paint (specification section 02090) and 29 CFR 1926.62 (Lead Exposure in Construction Standard) as well as all other applicable regulations.

D. Painted surfaces identified as being covered with paint containing lead in concentrations less than 0.7 mg/cm^2 should be handled in accordance with the requirements of 29 CFR 1926.62 (Lead Exposure in Construction Standard).

6.0 ASSUMPTIONS AND LIMITATIONS

The findings and conclusions in this report are based only on conditions which were observed on the date of the site survey. ATC and this report make no representation or assumptions as to past conditions or future occurrences.

When analysis of floor tile or other resinously bound nonfriable material by the EPA PLM Method yields negative results for the presence of asbestos, alternative methods of identification such as Transmission Electron Microscopy (TEM) are recommended. Analysis of such materials by polarized light microscopy (PLM) using EPA Method 600/M4-82-020 (December 1982) may yield false-negative results because of method limitations in separating closely bound fibers from matrix material and in detecting fibers of small length and/or diameter.

This report is designed to generally identify accessible ACM and lead paint at the Site, in accordance with the scope of work presented in Section 1.0. Under no circumstances is this report to be utilized as a bidding document, abatement document, or specification document.

APPENDIX A

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Test Report

PLM Analysis Results /

Project AOW904747

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
2536314BHPL	SAMPLE 1	-	-	-	-	-	-	-	-	-	-	-	100 %	4/21/99
White Finish Plaster/Tan Sandy Plaster						**NFM:** Qtz, Carb, Opaq, Gyp								WHP
Layer Content:	40% White-100 NFM 60% Tan-100 NFM												Non Homogeneous	
2536315BHPL	SAMPLE 2	-	-	-	-	-	-	-	-	-	-	-	100 %	4/21/99
Brown Mastic						**NFM:** Binder, Opaq, Resin								WHP
													Homogeneous	
2536316BHPL	SAMPLE 3	2 %	-	-	-	-	-	-	-	-	-	-	98 %	4/21/99
Gray Floor Tile/Black Mastic						**NFM:** Tar, Carb, Binder, Opaq, Vinyl								WHP
Layer Content:	2% Mastic-5 Chrys 95 NFM 98% Tile-2 Chrys 98 NFM												Non Homogeneous	
2536317BHPL	SAMPLE 4	-	-	-	-	-	-	-	-	-	-	-	100 %	4/21/99
Black Cove Base/Brown Mastic						**NFM:** Carb, Binder, Opaq, Resin, Vinyl								WHP
Layer Content:	3% Mastic-100 NFM 97% Cove Base-100 NFM												Non Homogeneous	
2536318BHPL	SAMPLE 5	-	-	-	-	-	-	-	-	-	-	-	100 %	4/21/99
White Finish Plaster/Tan Sandy Plaster						**NFM:** Qtz, Carb, Opaq, Gyp								WHP
Layer Content:	40% White-100 NFM 60% Tan-100 NFM												Non Homogeneous	
2536319BHPL	SAMPLE 6	-	-	-	-	-	-	-	-	-	-	-	100 %	4/21/99
White Mastic						**NFM:** Carb, Binder, Opaq, Resin								WHP
													Homogeneous	
2536320BHPL	SAMPLE 7	-	-	-	-	-	-	3 %	-	-	-	-	97 %	4/21/99
White Gypsum Board-No Joint Compound-No Paper						**NFM:** Qtz, Carb, Opaq, Gyp								WHP
													Homogeneous	
2536321BHPL	SAMPLE 8	<1 %	-	-	-	-	-	6 %	-	-	-	-	94 %	4/21/99
Tan Joint Compound/Tan Paper/White Gypsum Board						**NFM:** Qtz, Carb, Opaq, Gyp, Talc								WHP
Layer Content:	10% Joint Compound-2 Chrys 98 NFM 3% Paper-100 Cell 87% Gyp Brd-3 Cell 97 NFM												Non Homogeneous	

Samples received on: Wednesday, April 21, 1999

Authorized Signature William H. Powers

William H. Powers, Manager-Optical

Date Wednesday, April 21, 1999

RJ Lee Group, Inc.
Headquarters

350 Hochberg Road
Monroeville, PA 15146

Phone (724) 325-1776
Fax (724) 733-1799

FAX NO.

APR-21-1999 WED 04:44 PM

Test Report
PLM Analysis Results /
Project AOW904747

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
2536322BHPL White Pipe Mastic	SAMPLE 9	2 %	-	-	-	-	-	-	5 %	-	-	-	93 %	4/21/99 WHP
						NFM: Carb, Binder, Opaq							Homogeneous	
2536322BHPL-1 White Pipe Mastic	SAMPLE 9	2 %	-	-	-	-	-	-	5 %	-	-	-	93 %	4/21/99 RFW
						NFM: Carb, Binder, Opaq							Homogeneous	
2536323BHPL Tan Fibrous Ceiling Tile/White Paint	SAMPLE 10	-	-	-	-	-	-	40 %	50 %	-	-	-	10 %	4/21/99 WHP
						NFM: Clay, Binder, Opaq							Homogeneous	
2536324BHPL Tan Fibrous Ceiling Tile/White Paint	SAMPLE 11	-	-	-	-	-	-	40 %	50 %	-	-	-	10 %	4/21/99 WHP
						NFM: Clay, Binder, Opaq							Homogeneous	
2536325BHPL Tan Fibrous Ceiling Tile/White Paint	SAMPLE 12	-	-	-	-	-	-	40 %	50 %	-	-	-	10 %	4/21/99 WHP
						NFM: Clay, Binder, Opaq							Homogeneous	
2536326BHPL Brown Fibers/White Coating	SAMPLE 13	<1 %	-	-	-	-	-	-	81 %	-	-	-	19 %	4/21/99 WHP
						NFM: Carb, Binder, Opaq, Resin							Non Homogeneous	
Layer Content:	90% Brown Fibers-90 Min Wl 10 NFM 10% White-2 Chrys 98 NFM													
2536327BHPL White Mastic	SAMPLE 14	2 %	-	-	-	-	-	-	3 %	-	-	-	95 %	4/21/99 WHP
						NFM: Carb, Binder, Opaq							Homogeneous	
2536328BHPL Brown Mastic	SAMPLE 15	2 %	-	-	-	-	-	-	-	-	-	-	98 %	4/21/99 WHP
						NFM: Qtz, Binder, Opaq, Resin							Homogeneous	

Samples received on: Wednesday, April 21, 1999

Authorized Signature William H. Powers
William H. Powers, Manager-Optical
Date Wednesday, April 21, 1999

RJ Lee Group, Inc.
Headquarters
350 Hochberg Road
Monroeville, PA 15146
Phone (724) 325-1776
Fax (724) 733-1799

Test Report
PLM Analysis Results /
Project AOW904747

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
2536328BHPL-1	SAMPLE 15	2 %	-	-	-	-	-	-	-	-	-	-	98 %	4/21/99
Brown Mastic						NFM: Carb, Binder, Resin								RFW
													Homogeneous	
2536329BHPL	SAMPLE 16	40 %	-	-	-	-	-	-	40 %	-	-	-	20 %	4/21/99
White Fibrous Fireproofing						NFM: Carb, Binder, Opaq, Cement								WHP
													Homogeneous	
2536330BHPL	SAMPLE 17	40 %	-	-	-	-	-	-	40 %	-	-	-	20 %	4/21/99
White Fibrous Fireproofing						NFM: Carb, Binder, Opaq, Cement								WHP
													Homogeneous	
2536331BHPL	SAMPLE 18	40 %	-	-	-	-	-	-	40 %	-	-	-	20 %	4/21/99
White Fibrous Fireproofing						NFM: Carb, Binder, Opaq, Cement								WHP
													Homogeneous	
2536332BHPL	SAMPLE 19	-	-	-	-	-	-	50 %	25 %	-	-	-	25 %	4/21/99
Off-White Fibrous Ceiling Tile/White Paint						NFM: Per, Binder, Opaq								WHP
													Homogeneous	
2536333BHPL	SAMPLE 20	-	-	-	-	-	-	50 %	25 %	-	-	-	25 %	4/21/99
Off-White Fibrous Ceiling Tile/White Paint						NFM: Per, Binder, Opaq								WHP
													Homogeneous	
2536334BHPL	SAMPLE 21	-	-	-	-	-	-	50 %	25 %	-	-	-	25 %	4/21/99
Off-White Fibrous Ceiling Tile/White Paint						NFM: Per, Binder, Opaq								WHP
													Homogeneous	

Samples received on: Wednesday, April 21, 1999

Authorized Signature William H. Powers

William H. Powers, Manager-Optical

Date Wednesday, April 21, 1999

RJ Lee Group, Inc.
Headquarters

350 Hochberg Road
Monroeville, PA 15146

Phone (724) 325-1776
Fax (724) 733-1799

P. 06/06 FAX NO. APR-21-1999 WED 04:45 PM

ATC ASSOCIATES INC.

ME: _____ ATC INSPECTORS: TM/MD

ATION: — WASH DC — PROJECT MANAGER: TM

MBER: ATC # DATE SAMPLED: 4/19/99

ROOM NAME/NUMBER	FLOOR	TYPE	DIAMETER/ SIZE	QUANTITY	COND.	FRIABLE (Y/N)	SAMPLE DESCRIPTION	COMMENTS
11 sim →	10							
12 sim →	10							
13 Rm 3021	~~4~~3		Chilled water 3" OD Mse	2	F	Y	Fiberglass fitt w/ coating ~~Hardened fitting~~	FC #14 —
14 Rm 3021	~~4~~3		3" OD Flange	1	F	N	Mastic Coating	FC #14
15 Rm 3021	~~4~~3	←	MASTIC 12"x12" sound tile	~	~~G~~ G	N	Glue Dot 12"x12" Sound Tile	FC #14
16 Rm 3001	~~4~~3	FP	~	~	F	Y	Sprayed-on Fireproof	FC #4
17	↓	↓	↓	↓	↓	↓	↓	↓
18	↓	↓	↓	↓	↓	↓	↓	↓
19 Rm 7217	7	CT	1½"x4'	~	G	Y	Suspended ceiling tile Random pinhole gouge	Common FC #70
20	↓	↓	↓					

CHAIN-OF-CUSTODY

: T McFeell	Received by:	Transported by:	Lab Custody: [signature]
	Signature: [signature] 4/19	Signature:	Signature:
	Date/Time:	Date/Time:	Date/Time: 4/21/99 / 9:45 A
	Storage:	Storage:	Storage:

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REF: #990269 BATCH; SAME DAY TAT

ATC ASSOCIATES INC.

ATC INSPECTORS: – MITCHELL / DERDEYN –

PROJECT MANAGER: MITCHELL

DATE SAMPLED: 4/19/99 AOW 9041747

NAME:

LOCATION: WASHINGTON DC →

NUMBER: TBD

ROOM NAME/NUMBER	FLOOR	TYPE	DIAMETER/ SIZE	QUANTITY	COND.	FRIABLE (Y/N)	SAMPLE DESCRIPTION	COMMENTS
1 Rm 3221	3	PL	~	~	G	Y	2 COAT PLASTER –	inside register –
2 Rm 3221	3	MS	~	~	G	N	BLACK COVE BASE MASTIC	on register base
3 Rm 3221	3	VFT/MS	9"x9"	~	G	N	Gray VAT + MASTIC	under Carpet – unit
4 Rm 3221	3	CB/M	4"	~	G	N	Black Rubber Cove base (lead) + mastic	– near register –
5 Rm 3223	3	PL	~	~	G	Y	2 COAT PLASTER	Inside register
6 Rm 3223	3	CB/MS	~ 4"	~	G	N	Covebase Mastic	Corner register off
7 Rm 3223	3	DWB/JC	~	~	G	Y	Wall board / JC	Patch location
8 Rm 3236	3	DW/JC	~		G	Y	Wall board sys	#52 · off wall N
9 Rm 3234	3	WH MST	~ 4" OD	~	G	N	White pipe mastic	(Hard fitting unreachable)
10 Rm	3	CT/SND	12"x12"	–	G	Y	WALL Sound Board	– FC #11

CHAIN-OF-CUSTODY

Received by:	Transported by:	Lab Custody: Lana Oates	
Signature: Ted R. Mitchell	Signature:	Signature:	
Date/Time:	Date/Time:	Date/Time: 4/21/99 / 9:45 Am	
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TED MITCHELL ATC

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APPENDIX B

XRF LEAD TESTING REPORT

REPAIR SECONDARY WATER SYSTEMS
Serial #XL309-U645NR161 Site: Federal Office Building Date: 4/19/99
Ranges (NEG<INC<POS): Device PCS

No	Site	XLNo	Insp	Flr	Room	Strc	Feat	Cnd	Sub	Clr	PbL(mg/cm²)	RES	PbK	Combined	DI	Ssec	Date
1	1	1	SMD	N/A	Shutter Cal-1	N/A	N/A	N/A	N/A	N/A	0.00 ± 0.00	...	0.0 ± 0.0	0.0 ± 0.0	0.0	97.2	4/19/99
2	**1**	**2**	**SMD**	**N/A**	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**1.02 ± 0.15**	**POS**	**0.2 ± 0.6**	**1.0 ± 0.1**	**1.0**	**20.6**	**4/19/99**
3	**1**	**3**	**SMD**	**N/A**	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**1.08 ± 0.16**	**POS**	**0.6 ± 0.6**	**1.1 ± 0.1**	**1.0**	**25.3**	**4/19/99**
4	**1**	**4**	**SMD**	**N/A**	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**1.03 ± 0.16**	**POS**	**0.9 ± 0.6**	**1.0 ± 0.1**	**1.0**	**23.1**	**4/19/99**
5	1	5	SMD	3	Room-3221	Fan Coil	Unit #38	Intact	Metal	Beige	0.15 ± 0.27	NEG	-0.5 ± 0.7	0.1 ± 0.1	4.8	23.6	4/19/99
6	**1**	**6**	**SMD**	**3**	**Room-3221**	**Wall**	**Baseboard**	**Intact**	**Vinyl**	**Black**	**1.72 ± 0.97**	**POS**	**6.6 ± 2.1**	**6.6 ± 1.1**	**2.1**	**3.7**	**4/19/99**
7	1	7	SMD	3	Room-3221	Wall	Wall	Intact	Plaster	Beige	0.03 ± 0.10	NEG	-0.5 ± 1.0	0.0 ± 0.1	5.1	8.7	4/19/99
8	1	8	SMD	3	Room-3221	Wall	Wall	Intact	Drywall	Beige	0.00 ± 0.10	NEG	-1.2 ± 0.9	0.0 ± 0.1	1.0	6.2	4/19/99
9	1	9	SMD	3	Room-3223	Wall	Wall	Intact	Drywall	Beige	0.00 ± 0.10	NEG	-1.2 ± 0.7	0.0 ± 0.1	1.0	11.1	4/19/99
10	1	10	SMD	3	Room-3223	Wall	Wall	Intact	Plaster	Beige	0.00 ± 0.10	NEG	0.2 ± 0.7	0.0 ± 0.1	1.0	21.0	4/19/99
11	1	11	SMD	3	Room-3223	Wall	Baseboard	Intact	Vinyl	Black	0.01 ± 0.10	NEG	0.4 ± 0.6	0.0 ± 0.1	1.0	23.5	4/19/99
12	1	12	SMD	3	Room-3223	Wall	Baseboard	Intact	Vinyl	Black	0.00 ± 0.10	NEG	0.3 ± 0.7	0.0 ± 0.1	1.0	11.1	4/19/99
13	1	13	SMD	3	Room-3223	Fan Coil	Unit #39	Intact	Metal	Beige	0.11 ± 0.19	NEG	-0.4 ± 0.8	0.1 ± 0.1	3.2	18.6	4/19/99
14	1	14	SMD	3	Room-3236	Fan Coil	Unit #52	Intact	Metal	Beige	0.08 ± 0.45	NEG	-0.6 ± 1.3	0.1 ± 0.2	2.6	6.2	4/19/99
15	1	15	SMD	3	Room-3236	Wall	Baseboard	Intact	Vinyl	Black	0.05 ± 0.10	NEG	-0.2 ± 0.9	0.0 ± 0.1	1.0	11.1	4/19/99
16	1	16	SMD	3	Room-3236	Wall	Wall	Intact	Plaster	Beige	0.01 ± 0.17	NEG	-0.2 ± 0.8	0.0 ± 0.1	1.6	13.6	4/19/99
17	1	17	SMD	3	Room-3236	Wall	Wall	Intact	Drywall	Beige	0.00 ± 0.10	NEG	0.1 ± 0.7	0.0 ± 0.1	1.0	11.1	4/19/99
18	1	18	SMD	3	Room-3021	Fan Coil	Unit #14	Intact	Metal	Beige	0.10 ± 0.10	NEG	0.3 ± 0.6	0.1 ± 0.1	2.2	35.9	4/19/99
19	1	19	SMD	3	Room-3021	Wall	Baseboard	Intact	Vinyl	Black	0.00 ± 0.10	NEG	-0.5 ± 1.1	0.0 ± 0.1	1.0	6.2	4/19/99
20	1	20	SMD	3	Room-3021	Wall	Baseboard	Intact	Vinyl	Black	0.02 ± 0.10	NEG	-0.2 ± 1.0	0.0 ± 0.1	3.1	8.7	4/19/99
21	1	21	SMD	3	Room-3021	Wall	Wall	Intact	Drywall	Beige	0.00 ± 0.10	NEG	-0.5 ± 1.1	0.0 ± 0.1	1.0	6.2	4/19/99
22	1	22	SMD	3	Room-3021	Wall	Baseboard	Intact	Vinyl	Black	0.03 ± 0.27	NEG	-0.2 ± 0.9	0.0 ± 0.1	2.4	8.6	4/19/99
23	1	23	SMD	3	Room-3001	Fan Coil	Unit #4	Intact	Metal	Beige	0.02 ± 0.10	NEG	-0.4 ± 1.1	0.0 ± 0.1	1.0	8.4	4/19/99
24	1	24	SMD	4	Room-4002	Wall	Wall	Intact	Metal	Beige	0.09 ± 0.41	NEG	-0.4 ± 1.0	0.1 ± 0.2	3.6	8.7	4/19/99
25	1	25	SMD	4	Room-4002	Wall	Baseboard	Intact	Metal	Black	0.07 ± 0.10	NEG	-0.8 ± 0.9	0.1 ± 0.1	1.0	11.1	4/19/99
26	1	26	SMD	4	Room-4002	Wall	Wall	Intact	Metal	Beige	0.04 ± 0.10	NEG	0.0 ± 0.8	0.0 ± 0.1	1.0	16.1	4/19/99
27	**1**	**27**	**SMD**	**N/A**	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**1.13 ± 0.16**	**POS**	**0.2 ± 0.6**	**1.1 ± 0.1**	**1.1**	**23.1**	**4/19/99**
28	**1**	**28**	**SMD**	**N/A**	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**1.08 ± 0.16**	**POS**	**0.0 ± 0.6**	**1.1 ± 0.1**	**1.0**	**20.6**	**4/19/99**
29	**1**	**29**	**SMD**	**N/A**	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**1.18 ± 0.17**	**POS**	**0.2 ± 0.6**	**1.2 ± 0.1**	**1.1**	**23.1**	**4/19/99**

APPENDIX C

SUSPECT ASBESTOS-CONTAINING MATERIAL SAMPLE LOCATIONS

APPENDIX D

XRF TEST LOCATIONS

99-437 / WPYG
DC010522 / BG
10/4/99
cc: Kerry Bonus

SaLUT

Soil and Land Use Technology, Inc.

11609 Edmonston Road, Beltsville, Maryland 20705

Telephone: (301) 595-3783
Fax: (301) 595-3787

August 27, 1999

Ms. Normajean Eleazer
General Services Administration, National Capital Region
Safety and Environmental Management Division, (WPX)
7th & D Streets, SW, Room 2080
Washington, DC 20407

Re: NEOB - Loading Dock
Contract No.: GS11P94MJD0024
Order No.: P-11-99-DC-0202
Act. No.: P90024627
SaLUT Job #: 99-171

Dear Ms. Eleazer

Pursuant to your request, Soil and Land Use Technology, Inc. (SaLUT) monitored asbestos abatement activities at the New Executive Office Building Loading Dock in Washington, DC. SaLUT's industrial hygienists, Tijan Njie and Catalina Rangel, performed all air monitoring and inspections on from June 4, 1999 through June 19, 1999. The abatement contractor on site was KCI.

The scope of SaLUT's work included technical monitoring during the removal of asbestos containing sprayed on insulation from the Loading Dock. Abatement was conducted within full containment with a three-stage decontamination unit. During all asbestos abatement, workers wore protective clothing and half-face HEPA or full-face powered air-purifying respirators. Wet methods and HEPA vacuums were utilized during abatement to control fiber release. Not all sprayed on insulation was removed during this time period in this area. Future abatement activities will be scheduled to remove that remaining fireproofing in the loading dock.

All air samples collected during and after abatement were analyzed on site by Phase Contrast Microscopy, NIOSH Method 7400. All samples collected outside the work area and during final clearance yielded results of <0.01 fibers per cubic centimeter, the level for occupancy as stated in the EPA guidance publications.

Enclosed are the daily logs, checklists, and air sample data sheets.

SaLUT appreciates the opportunity to provide these services. If you have any questions or require any additional information, please contact our office.

Best regards,
SOIL AND LAND USE TECHNOLOGY, INC.

Joyce Walker

Joyce Walker
Operations Manager

Daily Logs and Checklists

SaLUT

11609 Edmonston Road • Beltsville, MD 20705 • (301) 595-3783

IH ABATEMENT DAILY REPORT

Client: C.I.A. Job No: 99-111 Employee: [illegible]

Project: NEDE 6/4/99 On-Site From: 8:00p To: 2:30a

Work in Progress / Summary of Activities:

8:00p. On site, brought in equipment, went through security. Met with K.C.I. project manager, went over scope of work.

9:00p Set up all sampling pumps to acquire background air samples, caution crews, that given height, from which poly will be suspended to make dusen. That brought adhesive + duct tape, to hold plastic up.

10:00p Paul of K.C.I. informed me that they would try to complete building enclosure + decon and call it a night.

11:00p Lunch

11:30p Back at work

1:00a Stopped pumps, collected cassettes + analyses, then enclosure almost done, hurricanes + shower in, and tested, pressure soon 5% real begin to give at top.

2:15a All repairs + reinforcement done, crews call it a day.

2:30a Left site

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations):

Containment:

Decon:

PPE:

Removal Methods:

Abatement Contractor:

Reviewed By.

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IH ABATEMENT DAILY REPORT

Client: G S A Job No: 99-171 Employee: Tijan S. Njie Date: 6/5/99

Project: NEOB On-Site From: 18:00 To: _____ Lunch: _____

Work in Progress / Summary of Activities: Arrived on site, through security K.C.I done with enclosure, ready for pre-abatement inspection.

18:40 Inspection completed, all necessary repairs or adjustments done, okayed for abatement to proceed, set up 2 air sampling pumps on inside + 1 outside decon all on stands.

19:50 Electric circuits overloaded + blown, all abatement activity stopped, breakers reset, more extension cords brought in, load distributed, work restarted.

21:10 In p.p.e. went into containment, immediatly cautioned inside super to use a lot more water to keep dust, to a minimum. Changed cassettes on pumps.

21:30 Total loss of negative pressure, all work stopped again, crew repairing areas at top of enclosure when pitched come down.

00:15 Repairs done, but circuits blown again, debris wetted + covered with poly, while someone at maintenance was page to come reset breakers.

2:45 Breakers reset more extension cords brought in, as a test put 1 trap to one circuit, pumps on again.

4:15 Pumps stopped, cassettes analyzed.

4:30 Left site

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): ~~On~~ Sprayed-on I beams, deck ceiling, ducts, conduits etc

Containment: Full enclosure

Decon: 3 stage + flaps

PPE: PAPR

Removal Methods: Wet scrape

Abatement Contractor: K C I

Reviewed By. _____

EXHITBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: N.E.O.P. Project: G.S.A

Location: Loading dock area Date: 6/5/99

Removal Contractor: R.C.T Time Inspected: 18:10

Monitoring Contractor: Galut Time Work Started: 18 40

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Seals around ducts, windows and doors	✓	
	d. Vertical and Horizontal Openings	✓	
	e. "Negatve air machine" in use	✓	
	f. Negative pressure > 0.02"	✓	
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	

3.

GSA ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection			
	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ____ HEPA ½ face PAPER ____ TYP"C" ____	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?	✓	
	b. Soap and Towels?		
	c. Used Each Departure?		
6. Work Habits In Work Area	a. No Smoking	✓	
	b. Eating/drinking		

Field Notes:
*Describle any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered."

_____

_____

_____

_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Ryan S. N[illegible] Date: 6/5/99

EXHIBIT B

ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: N.E.O.B. Project: G.S.A.

LOCATION: Loading dock area Date: 6/5/99

Removal Contractor: K.G.I Time Started: 21:30

Monitoring Contractor: Salut Time Stopped: 21:40

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	N/A	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpter, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection			
	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ½ face PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?	✓	
	b. Soap and Towels?	✓	
	c. Used Each Departure?	✓	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

Field Notes:
*Describle any problems encountered here. The above questions." are to be answered either "YES" or "Problem Emcountered."

Report Prepared By: Ijan S. N'fie Date: 6/5/99

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IH ABATEMENT DAILY REPORT

Client: G.S.A Job No: 99-171 Employee: Tilan Nfie Date: 6/6/99

Project: NEOB On-Site From: 6:00p To: 6:30a Lunch: 30 min

Work in Progress / Summary of Activities:

6:00p On site, crew through security, did a complete look-over of enclosure, re-sealing as we went along, all traps turned to low, so as not to create too much negative pressure.

7:00 Crew in p.p.e proceed into enclosure, to continue with abatement, pumps turned on.

8:00 Most of gross removal completed, debris being bagged up while fine cleaning is started on I Beams.

10:00 In ppe went into enclosure to observe crew at work, found all in accordance with E.P.A. protocol.

11:00 Stopped pumps, changed & analysed cassettes, one over loaded, told super to use more water, so as to keep dust level down.

12:00 Lunch

12:45 Crew in p.p.e back in, bag out started, informed enclosure will be ready for final inspection in couple of hours.

1:45 Started final inspection, okayed for encapsulation.

2:00 Started pumps for final air analysis.

6:00 Pumps stopped, cassettes analysed, enclosure okay to tear down

6:30 left site.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Sprayed on asbestos containing fire proofing.

Containment: Full enclosure.

Decon: 3 stage

PPE: PAPR to ½ face for fine cleaning

Removal Methods: Wet scrape + wire brushing

Abatement Contractor: K.C.I.

Reviewed By. _____

EXHIBIT B

ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: C.S.A

LOCATION: Loading Dock Date: 6/6/99

Removal Contractor: R.C.I Time Started: 11:00p

Monitoring Contractor: Salut Time Stopped: 11:40p

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	N/A	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpter, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp ___	
		HEPA 1/2 face	
		PAPR 0	
		TYP"C" ___	
	c. Proper Decontamination Sequence Followed		
5. Showers	a. Functioning?	✓	
	b. Soap and Towels?	✓	
	c. Used Each Departure?	✓	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

Field Notes:
*Describle any problems encountered here. The above questions." are to be answered either "YES" or "Problem Emcountered."

Report Prepared By: Tyan N'fie Date: 6/6/99

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: G.S.A

Location: Loading Dock Date: 6/6/99

Removal Contractor: K.C.I Time Inspected: 1:45a

Monitoring Contractor: Safet Time Completed: 8:00a

FINAL INSPECTION: The final inspection shall consist of a walk-through inspection conducted by the IH contractor. He may at times be accompanied by the contracting Officer's Representive or a designee, a GSA Safety and Environmental Management representative the IH contract's Certified Industrial Hygienist, the asbestos abatement contractor, a state or local government representative, the abatement contractor's Industrial Hygineist, a tenant Representative, or another interested party.

OBJECTIVE: The objective is to that the ASBESTOS has been removal or abated as required in the CONTRACT. All parties should familiarize themselves with the provisions of the contract and the "Asbestos Removal/Abatement Scope of Work." This checklist is to serve as a guide for the final inspection.

Activity to be Checked		Within Limits	Problem Encountered
1. Residual Dust on:			
(below eye level)	a. Floor	✓	
	b. Horizontal Surfaces	✓	
	c. Pipes.	✓	
	d. Ventilation Equipment.	✓	
(above eye level)	e. Horizontal Surface.	✓	
	f. Pipes.	✓	
	g. Ducdwork.	✓	
	h. Registers	✓	
	i. Lights.	✓	

FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

As any dust found in the removal area is likly to be asbestos contaminated, in cases of dispute, a small quantity of material may be sent to a designated laboratory for analysis.

FINAL AIR SAMPLING:

If all other tests and situations appear to be satisfactory, the final air tests will be taken.

Serial Number:	WA03	EU03	WA04	FC06	FC07
Location:	inside	outside	inside	inside	inside
Volume (Liters):	1300	1300	1300	1300	1300
Flow rate: (Liters/Minute)	5	5	5	10	10
Fibers/Filter:	overloaded	11/100	17/100	10/100	4/100
Fibers/Cubic Cm:	—	<0.01	<0.01	<0.01	<0.01

ANALYSTS ANALYZING SAMPLING: Ryan Nejie DATE: 6/6/99

Field Notes:
*Desrible any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

REPORT PREPARED BY: Ryan S Nejie DATE: 6/6/99

REPORT REVIEWED BY: _____ DATE: _____

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IH ABATEMENT DAILY REPORT

Client: G.S.A Job No: 99-171 Employee: Tijan S Njie

Project: NEOB 6/9/99 On-Site From: 6:00p To: 6:00a

Work in Progress / Summary of Activities:

6:00p On site, went through security, escorted to loading dock, K.C.L already on site, putting up enclosure

8:00p Started pumps for background air samples.

9:30p Problems with securing poly from substrate, weight given amount of poly in use, bring down walls. Taking into consideration time, I checked with super, that given its the middle of work week, could all work be done, and final clearance achieved before 6:00am, answer was hell try to meet deadline.

12:00 Stopped pumps at midnight, again expressed my doubts that job could be completed on time.

2:15 Inspection done, cautioned super, to think again, of duration of work, and see if goal could be achieved, lunch break.

3:00 Insisted that asbestos coordinator for building be contacted, and more time aquired or postpend work till later date.

4:00 Told being on site after 6:00am will not be acceptable to tear down enclosure.

5:50 All down, equipment stored away.

6:00 left site.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations):

Containment:

Decon:

PPE:

Removal Methods:

Abatement Contractor:

Reviewed By.

EXHITBIT A

ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Project: C.S.A

Location: Loading Dock Date: 6/9/99

Removal Contractor: K.C.T Time Inspected: 2:00 a

Monitoring Contractor: Salut Time Work Started: ——

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Seals around ducts, windows and doors	✓	
	d. Vertical and Horizontal Openings	✓	
	e. "Negatve air machine" in use	✓	
	f. Negative pressure > 0.02"	✓	
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	

ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp HEPA 1/3 full PAPER TYP"C"	
	c. Proper Decontamination Sequence Followed		
5. Showers	a. Functioning?		
	b. Soap and Towels?		
	c. Used Each Departure?		
6. Work Habits In Work Area	a. No Smoking		
	b. Eating/drinking		

Field Notes:
*Describle any problems encountered here. The questions are to be answered either "YES" or "Problem Encountered."

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: [illegible] Date: 6/9/99

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IH ABATEMENT DAILY REPORT

Client: G.S.A. Job No: 99-~~217~~ 171 Employee: Catalina C Rangel Date: 6/19/99

Project: NIW EXEC office Building On-Site From: 7:00pm To: _____ Lunch: 30

Work in Progress / Summary of Activities:

7:00Am	I arrived onsite.
	met with KCI Superintendent MR paul inform
	me that prep is still in progress, and that
	Removing will be later. so I wait
10:am	prep is in progress.
11:30Am	workers are finish with prep, and went to
	haul lunch.
1:00 pm	Worker are back from lunch. went to jobsite
	wait around.
1:30pm	gave inspection It was Ready to Start Remo-
	ving.
2:15pm	workers Start to suit up and into the
	containment.
3:00pm	Workers Start to Remove the Plaster
	water is been use.
5:00pm	workers are claning up putting the Remove Plaster
	in bags. other workers start to Remove the spray on
	water is been use, filtro is change. Everything is
	seal.
6:00pm	fine cleaning start,
	water is beeuse, filtro is change again

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): 150sf of Plaster, 150sf of spray on 50-60 lf of pipe insulation. West loading Dock.

Containment: full containment.

Decon: 3 Stace.

PPE: P.A.P.R. suit.

Removal Methods: wet method

Abatement Contractor: KC Industries

Reviewed By: [signature]

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ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: UW Exec Office Building Project: 99-171

Location: West Loading Dock. Date: 6/19/99

Removal Contractor: K. C. I.

Industrial Hygienist: Catalina C Rangel

Time Started: 7:00 Am Time Stopped:

INSPECTION CATAGORY	ACTIVITY CHECKED	WITHIN LIMITS	PROBLEM ENCOUNTERED
1 Work Site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	N/A	
	d. Seals around ducts, windows and doors	✓	
	e. Negative air machine in use	✓	
	f. Negative Pressure >-0.03"	✓	
2 Signage	a. Caution Signs at Vestibule entry	✓	
	b. OSHA Sign (Asbestos)	✓	
	c. Dumpster, ducts drums,and bags labelled	✓	
3 Work Practices	a. Hammers, Saws, etc. NOT in use	✓	
	b. Removable Material Promptly Bagged	✓	
	c. Debris Stored in remonal area	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wetted Until Bagged	✓	
4 Worker Protection	a. Disposable Clothing Used One Time	✓	
	b. Proper NIOSH respirators Disp	✓	
	HEPA		
	PAPR	✓	
	TYP"C"		
	c. Proper Decontamination Sequence Followed	✓	
5 Showers	a. Functioning ?	✓	
	b. Soap and Towels ?	✓	
	c. Used each Depature?	✓	
6 Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating or Drinking	✓	

Field Notes: Describe any problems encountered here. The above questions are to be answered "Within Limits" or "Problem Encountered"

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DAILY REPORT, Contd.

Project: New EXIC office Building Job No. 99-171 Date: 6/19/99 Page 2 of 2

Work in Progress / Summary of Activities:

7:00 pm workers start to take bags out with Label other workers continued to Do fine Cleaning

8:30 pm fine cleaning is in progress, other workers continued to take bags out

9:00 pm went to Do an inspection It was clean but need some more work in a few areas so they DID.

9:30 pm It was Ready to be encap.

10:30 pm I set the fc. pumps. for two/Hrs.

12:30 am Reed samples all <.01 f/cc

1:00 Off site

Employee: [signature]

Air Sample Data Sheets

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Soil and Land Use Technolohy, Inc.

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Tel: (301) 595-3783
Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Project: [illegible]

Job No.: 99-17

Name: [illegible]

Type of Sample (Circle all that apply) PCM TEM LEAD

Client: CLSH

Date: 6/11/99 Time on-site: [illegible] to [illegible]

Analyzed On-site: Yes Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
6/11/99 TSN 99-17 FB01	FB									
6/11/99 TSN 99-17 EV02	EV	9.10p	5	1.00a	5	240	1200	[illegible]	<10.01	[illegible]
6/11/99 TSN 99-17 EV03	EV	9.10p	5	1.00a	5	240	1200	[illegible]	<10.01	[illegible]

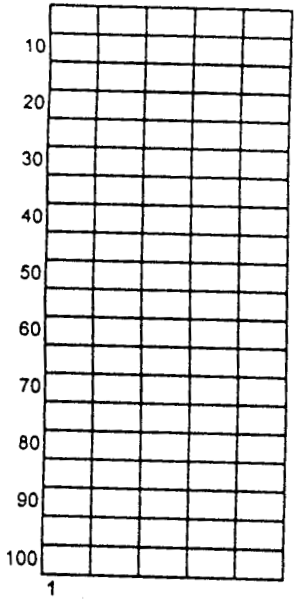
QA Reference Slide No.:		Fiber Count (F/mm²)	Reference Value Within Limits?	Scope ID	Scope Make/Model	To be within acceptable limits abs.(sqrt.(count1)-sqrt.(count2)) < 2.77

QC Daily Recount sample ID:	Sample ID	Initial Count (F/mm²)	QC ID#	Blind Count (F/mm²)	Blind Count Within Limits?	Are Phase Rings Concentric?	Scope Check w/ Phase Shift Slide?

COMMENTS:

Key: BG - Background EV - Environmental WA - Work Area FC - Final Clearance PS - Personal FB - Field Blank

Asbestos Fiber Count Sheet



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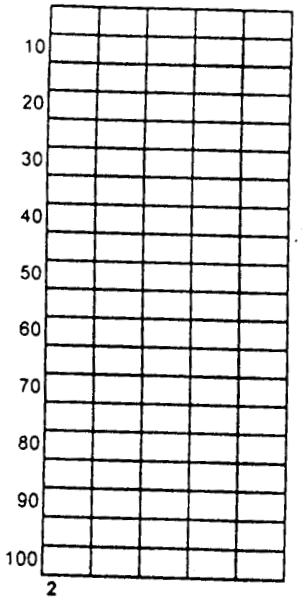

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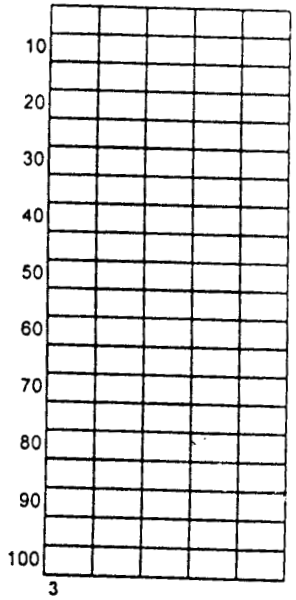

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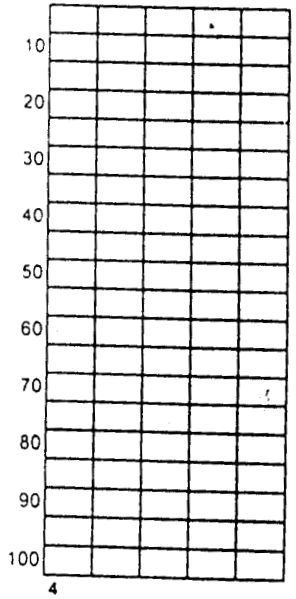

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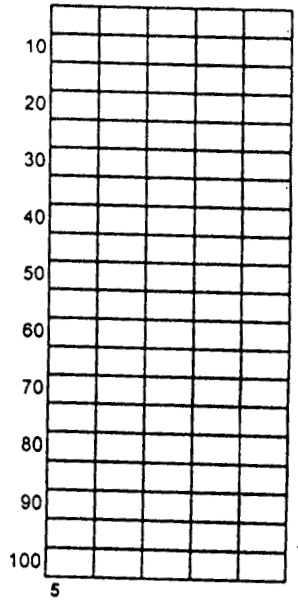

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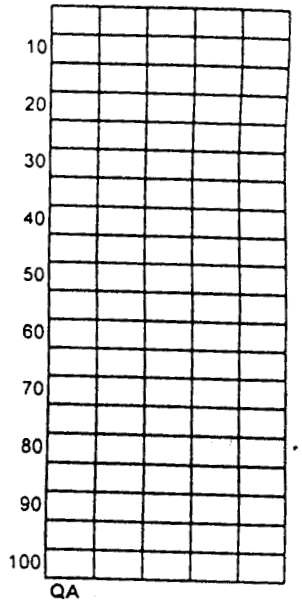
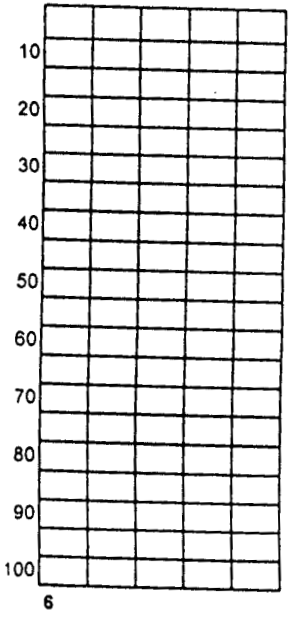


Fibers/Fields:_____

Fibers/mm^2:_____



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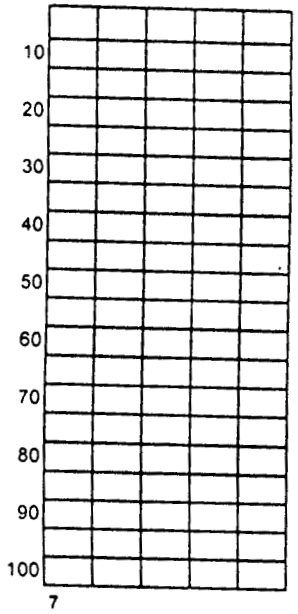

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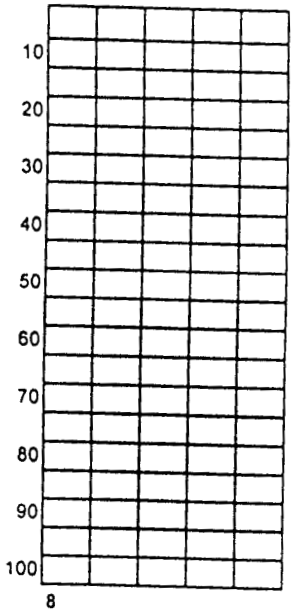

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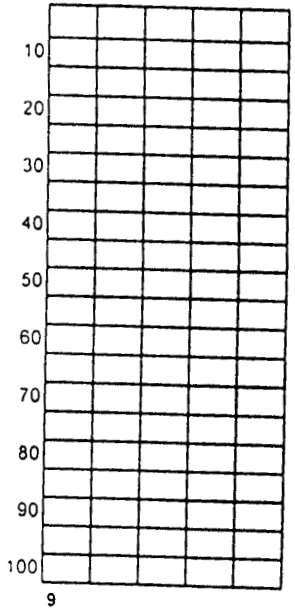

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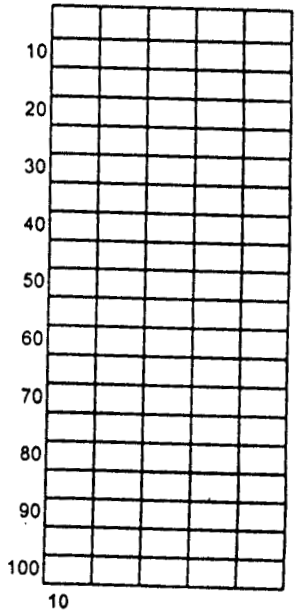

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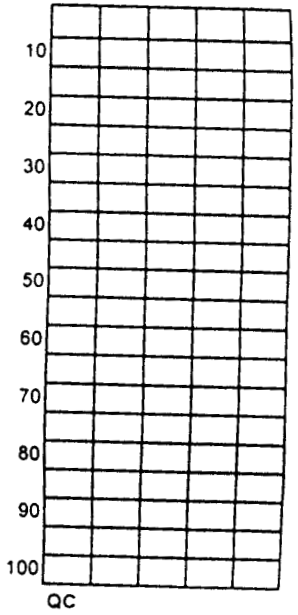

Fibers/Fields:_____

Fibers/mm^2:_____

Fibers/cc=49.04 X (Fibers/Fields)/Volume

Fibers/mm^2= Fibers/Fields/0.00785

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11609 Edmonston Road • Beltsville, MD 20705
Tel: (301) 595-3783
Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Project: NEOB
Job No.: 99-171
Name: Tijan Nijie

Type of Sample (Circle all that apply) PCM TEM LEAD
Client: C.S.A
Date: 6/6 Time on-site: 6:00p to 6:00a
Analyzed On-site: Yes Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
6/6/99 TSN 99-171 FB01										
WA02	7:00	5	11:00	5		240	1200	100	overloaded	inside middle of enclosure
EV03	7:00	5	11:00	5		240	1200	11/100	<0.01	outside door on frame
WA04	11:00	5	3:00	5		240	1200	17/100	<0.01	inside in middle of enclosure
EV05	11:00	5	3:00	5		240	1200	8/100	<0.01	outside door on frame
FC06	4:00	10	6:00	10		120	1200	15/100	<0.01	left of enclosure
FC07	4:00	10	6:00	10		120	1200	1/100	<0.01	right of enclosure

QA Reference Slide No.:		Fiber Count (F/mm²)	Reference Value Within Limits?	Scope ID	Scope Make/Model	To be within acceptable limits abs.(sqrt.(count1)-sqrt.(count2)) < 2.77
QC Daily Recount sample ID:	Sample ID	Initial Count (F/mm²)	QC ID#	Blind Count (F/mm²)	Blind Count Within Limits?	Are Phase Rings Concentric? / Scope Check w/ Phase Shift Slide?

COMMENTS:

Key: BG - Background EV - Environmental WA - Work Area FC - Final Clearance PS - Personal FB - Field Blank

Asbestos Fiber Count Sheet

10					
20					
30					
40					
50					
60					
70					
80					
90					
100					

1

Fibers/Fields:_____

10					
20					
30					
40					
50					
60					
70					
80					
90					
100					

2

Fibers/Fields:_____

10					
20					
30					
40					
50					
60					
70					
80					
90					
100					

3

Fibers/Fields:_____

10					
20					
30					
40					
50					
60					
70					
80					
90					
100					

4

Fibers/Fields:_____

10					
20					
30					
40					
50					
60					
70					
80					
90					
100					

5

Fibers/Fields:_____

10					
20					
30					
40					
50					
60					
70					
80					
90					
100					

QA

Fibers/Fields:_____

Fibers/mm^2:_____

10					
20					
30					
40					
50					
60					
70					
80					
90					
100					

6

Fibers/Fields:_____

10					
20					
30					
40					
50					
60					
70					
80					
90					
100					

7

Fibers/Fields:_____

10					
20					
30					
40					
50					
60					
70					
80					
90					
100					

8

Fibers/Fields:_____

10					
20					
30					
40					
50					
60					
70					
80					
90					
100					

9

Fibers/Fields:_____

10					
20					
30					
40					
50					
60					
70					
80					
90					
100					

10

Fibers/Fields:_____

10					
20					
30					
40					
50					
60					
70					
80					
90					
100					

QC Blind Recount

Fibers/Fields:_____

Fibers/mm^2:_____

Fibers/cc=49.04 X (Fibers/Fields)/Volume

Fibers/mm^2= Fibers/Fields/0 00785

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PCM AIR SAMPLE DATA SHEET

Project: NEOB

Job No.: 99-171

Name: Ilyan S Nfie

Client: G.S.A

Date: 6/9/99 Time on-site: 6:00p to 6:00a

Analyzed On-site: Yes Laboratory:

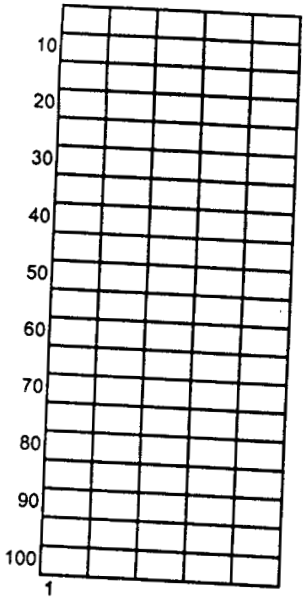
Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
6/9/99 TSN 99-171 FB01	FB									
EU02	EU	8.00	5	12.00	5	240	1200	17/100	<0.01	inside workarea in middle of Rm
EU03	EU	8.00	5	12.00	5	240	1200	9/100	<0.01	outside " " on decon frame

QA Reference Slide No.:		Fiber Count (F/mm²)	Reference Value Within Limits?	Scope ID	Scope Make/Model	To be within acceptable limits abs.(sqrt.(count1)-sqrt.(count2)) < 2.77
QC Daily Recount sample ID:	Sample ID	Initial Count (F/mm²)	QC ID#	Blind Count (F/mm²)	Blind Count Within Limits?	Are Phase Rings Concentric?	Scope Check w/ Phase Shift Slide?

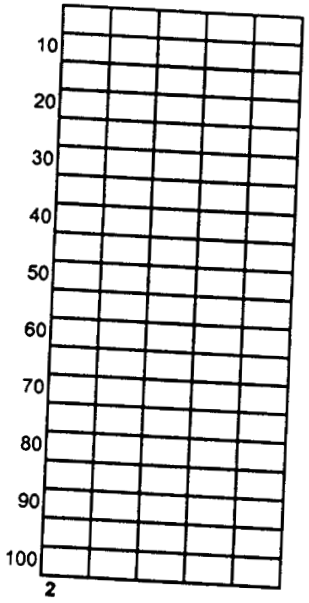
COMMENTS:

Key: BG - Background EV - EnvironmentaL WA - Work Area FC - Final Clearance PS - Personal FB - Field Blank

Asbestos Fiber Count Sheet



Fibers/Fields:_____



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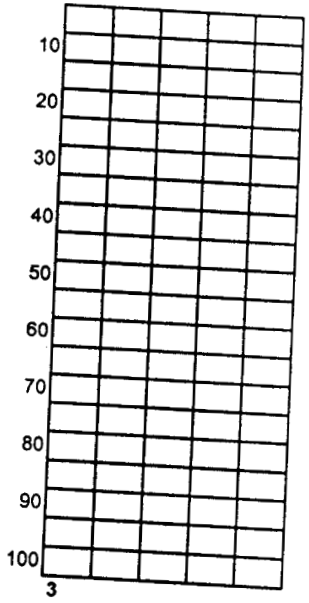

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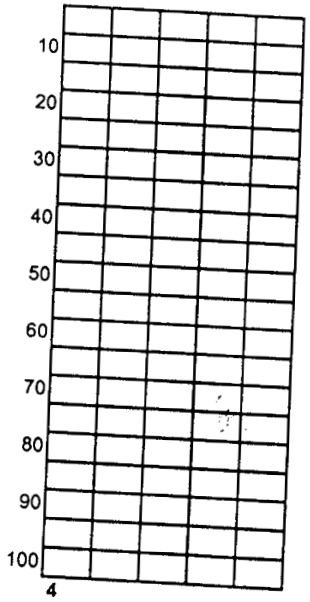

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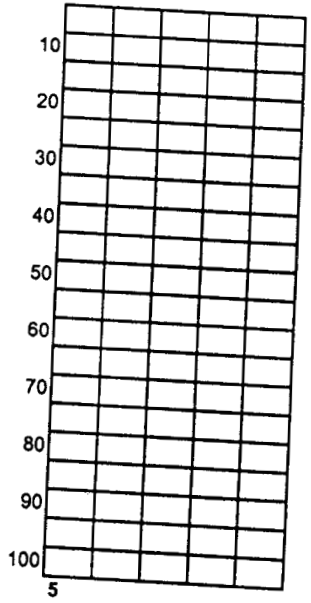

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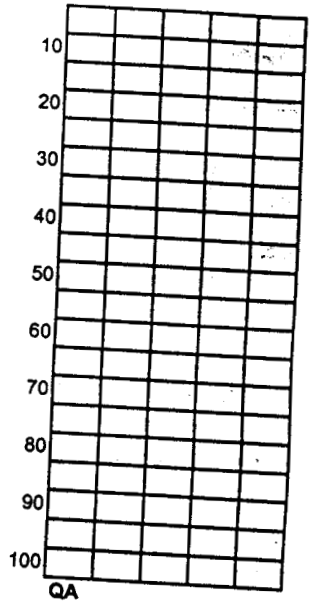
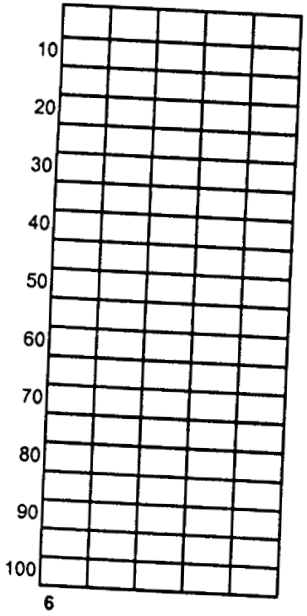


Fibers/Fields:_____

Fibers/mm^2:_____



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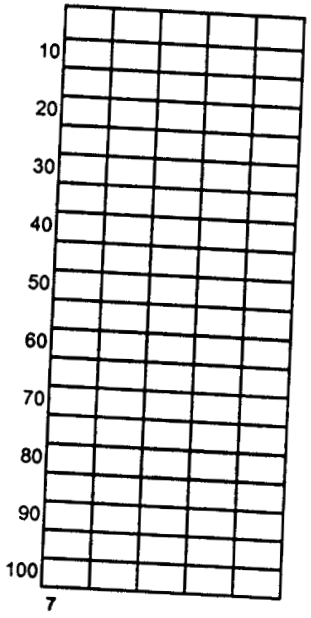
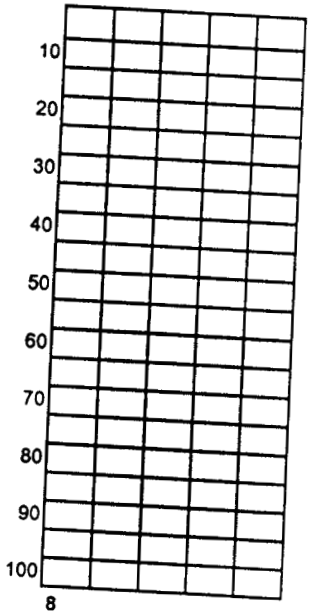


Fibers/Fields:_____



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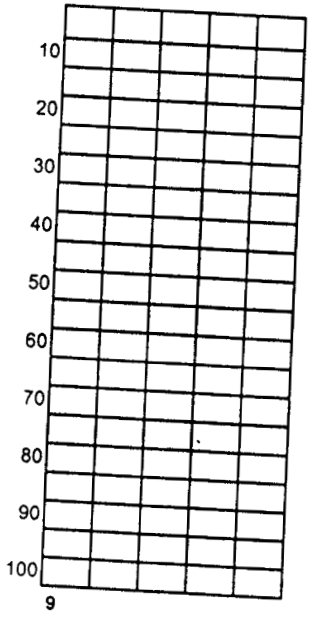

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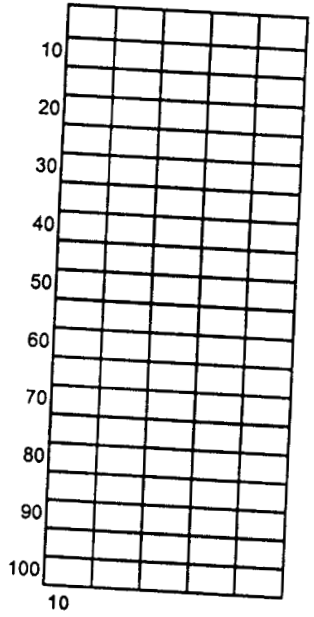

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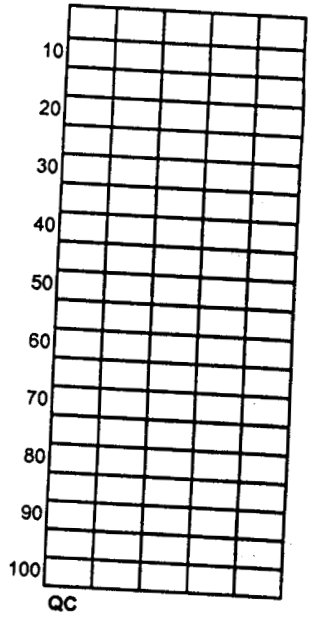

Fibers/Fields:_____

Fibers/mm^2:_____

Fibers/cc=49.04 X (Fibers/Fields)/Volume

Fibers/mm^2= Fibers/Fields/0.00785

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AIR SAMPLE DATA SHEET

Type of Sample (Circle all that apply) PCM TEM LEAD

Project: UW EXEC Office Building

Job No.: 99-~~317~~ 171

Name: Catalina C Ponce

Client: G.S.A.

Date: 6/19/99 Time on-site: 7:00 AM to

Analyzed On-site: Y Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
6/19/99/01	SB							5/100		
A1	WA	3	2:00	3	5:00	180	540	over	load	inside containment.
A2	EV	3	2:00	3	5:00	180	540	5/100	<0.004	outside containment by Decon
A3	WA	3	5:00	3	7:00	120	360	over	Load	inside containment.
A4	EV	3	5:00	3	7:00	120	360	10/100	<0.02	out side by Decon.
A5	EV	3	7:00	3	9:00	120	360			outside by Decon.
A6	WA	3	7:00	3	9:00	120	360	over	load	inside containment.

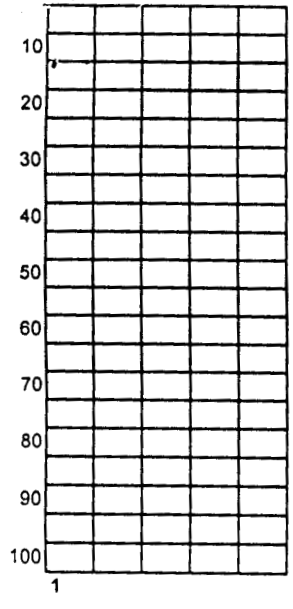
QA Reference Slide No.:	ASB-118-2	Fiber Count (F/mm²)	Reference Value Within Limits?	Scope ID	Scope Make/Model	To be within acceptable limits abs.(sqrt.(count1)-sqrt.(count2)) < 2.77
		114.6		M101	CHT	

QC Daily Recount sample ID:	Sample ID	Initial Count (F/mm²)	QC ID#	Blind Count (F/mm²)	Blind Count Within Limits?	Are Phase Rings Concentric?	Scope Check w/ Phase Shift Slide?
	99-~~7~~21 6/8/99	25.4	A2	3.82			

COMMENTS:

Key: BG - Background EV - Environmental WA - Work Area FC - Final Clearance PS - Personal FB - Field Blank

Asbestos Fiber Count Sheet



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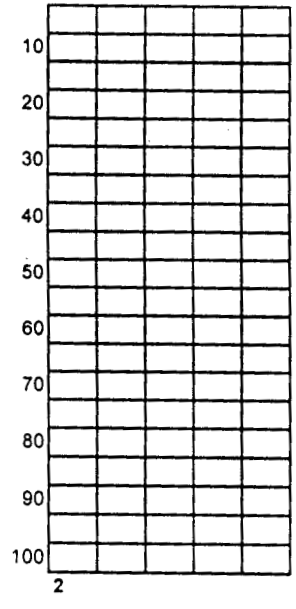

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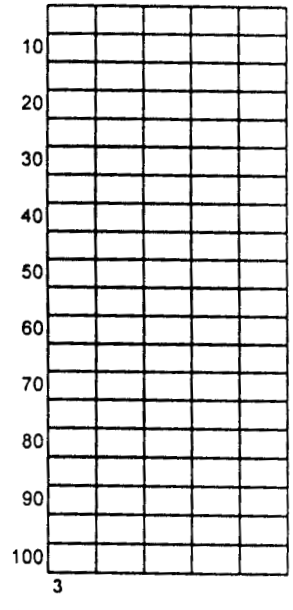

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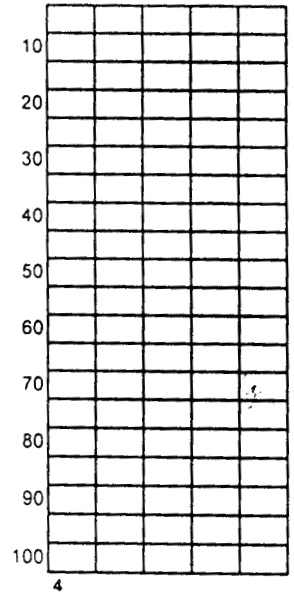
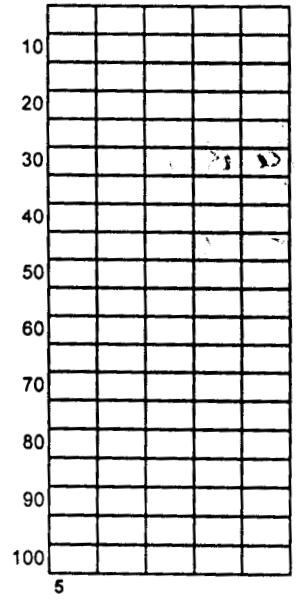


Fibers/Fields _____



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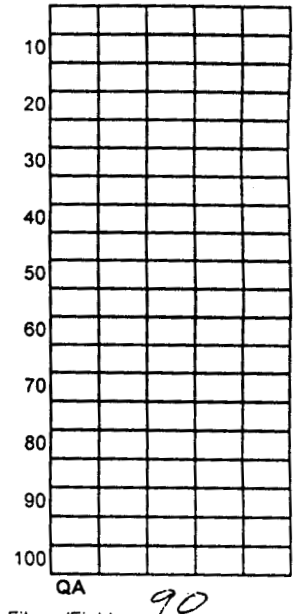
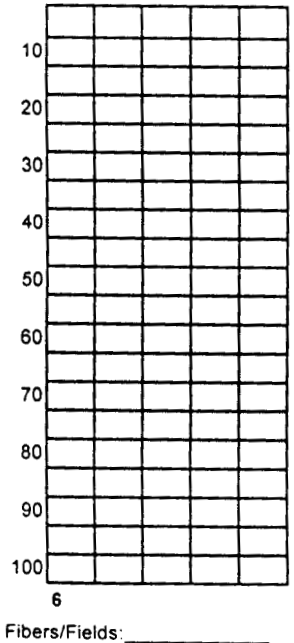
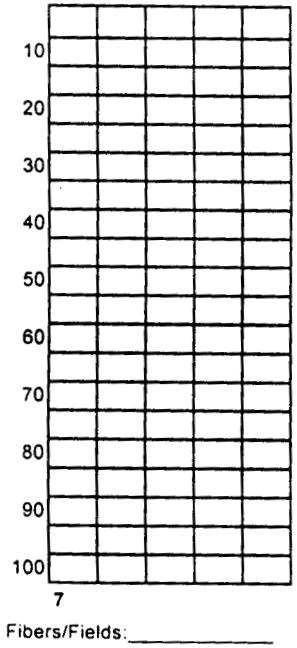


Fibers/Fields: 90

Fibers/mm^2: 114.6



Fibers/Fields:_____



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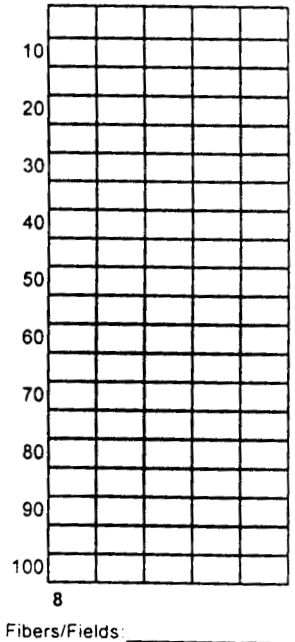

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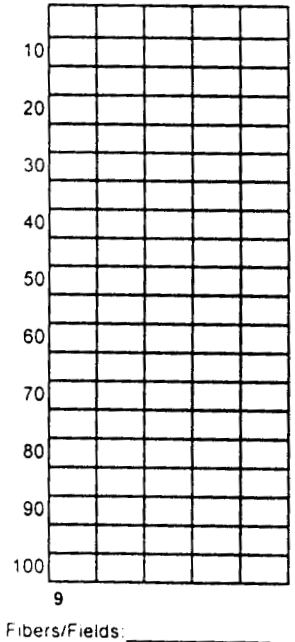

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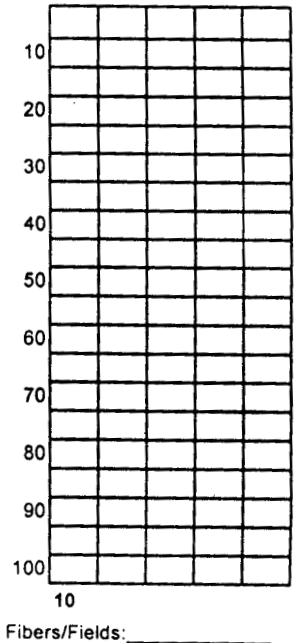

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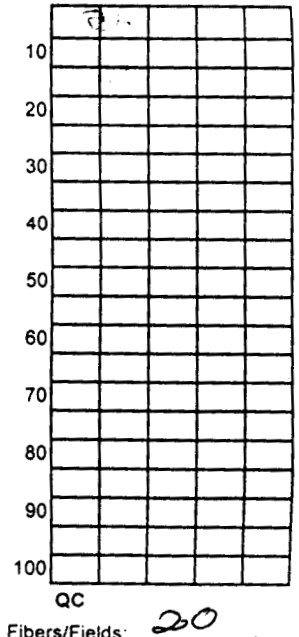

Fibers/Fields: 20

Fibers/mm^2: 25.4

Fibers/cc=49.04 X (Fibers/Fields)/Volume

Fibers/mm^2= Fibers/Fields/0.00785

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Tel: (301) 595-3783
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PCM AIR SAMPLE DATA SHEET

Project: NEOB

Job No.: 99-141

Name: Tijan S. N'Jie

Client: G.S.A

Date: 6/5/99 Time on-site: 18:00 to 04:30

Analyzed On-site: Yes Laboratory:

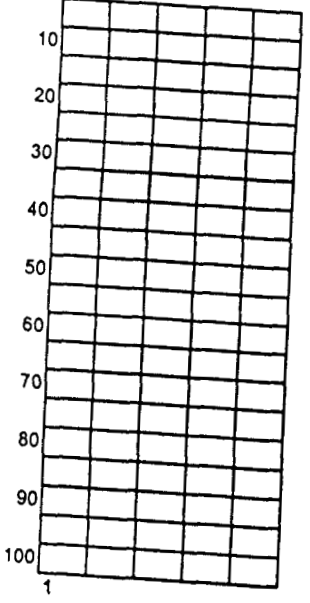
Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
6/5/99 TSN 99-141 WA 11	WA	03:00	2.5	4.15	2.5	75	187.5	6/100	0.03	Inside enclosure on stand 1t
WA 12	WA	03:00	2.5	4.15	2.5	75	187.5	3/100	0.05	" " " " Rt
EV 13	EU	03:00	5	4.15	5	75	375	4/100	<0.01	Outside down on "

QA Reference Slide No.:			Fiber Count (F/mm²)		[redacted]	Scope ID	Scope Make/Model	To be within acceptable limits abs.(sqrt.(count1)-sqrt.(count2)) < 2.77
QC Daily Recount sample ID:	Sample ID	Initial Count (F/mm²)	QC ID#	Blind Count (F/mm²)	[redacted]	Are Phase Rings Concentric?	Scope Check w/ Phase Shift Slide?	

COMMENTS:

Key: BG - Background EV - Environmental WA - Work Area FC - Final Clearance PS - Personal FB - Field Bl...

Asbestos Fiber Count Sheet



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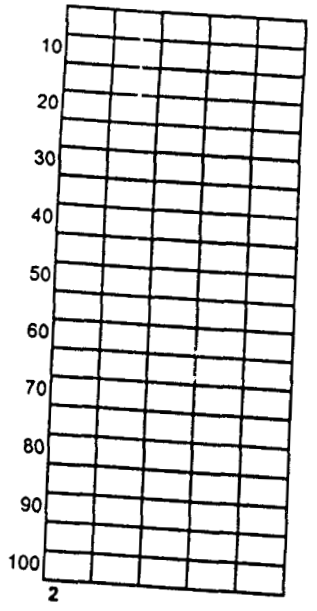

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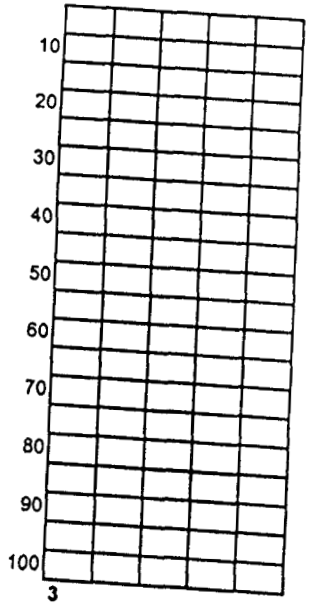

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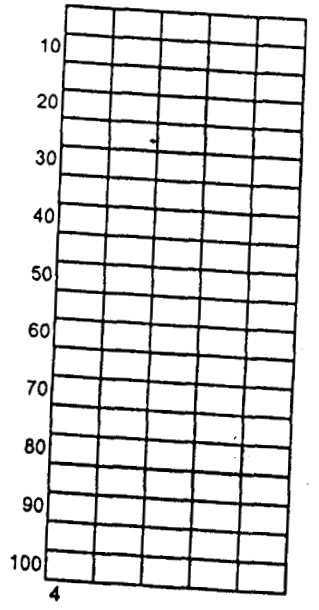

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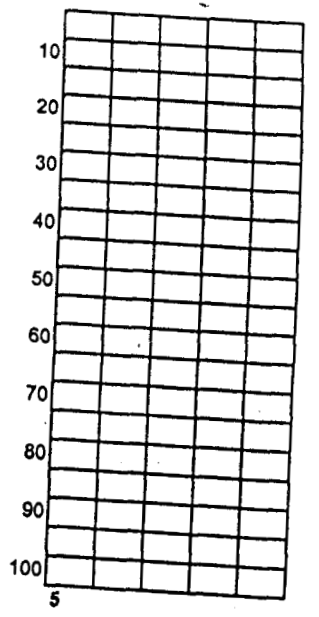

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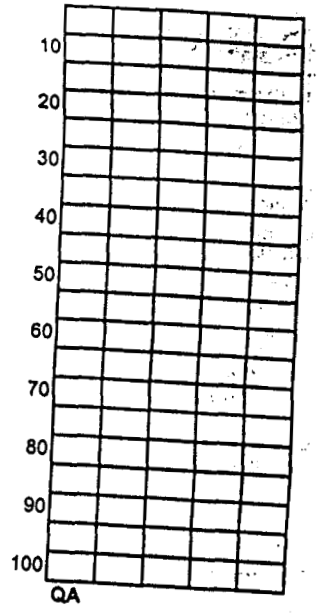
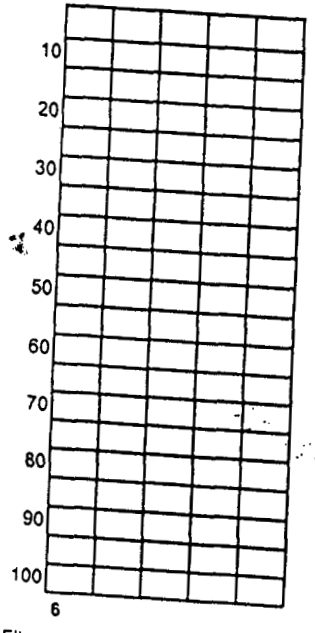


Fibers/Fields:_____

Fibers/mm^2:_____



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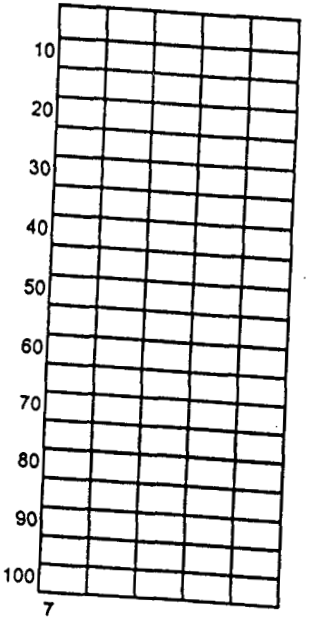

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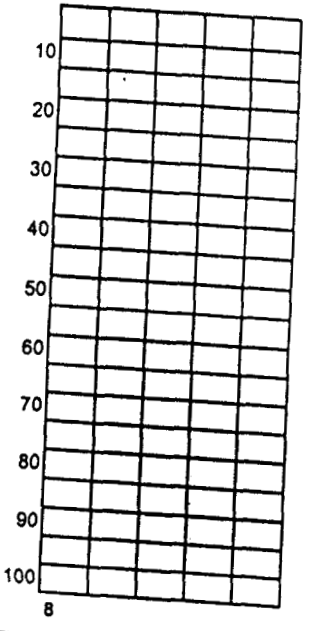

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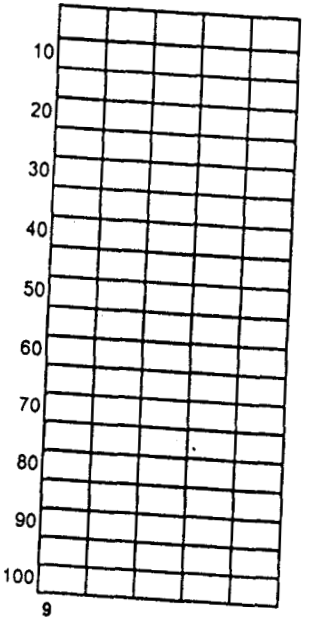

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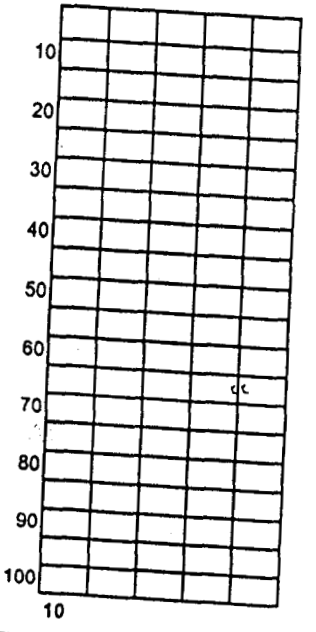
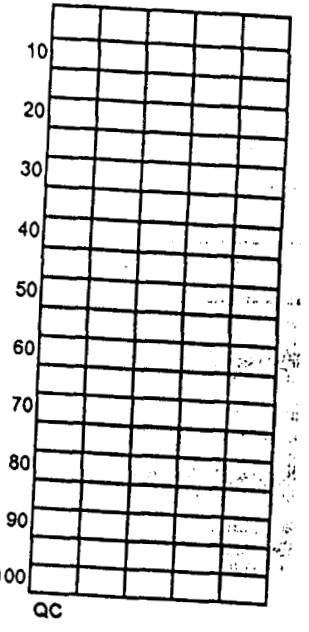


Fibers/Fields:_____



Fibers/Fields:_____

Fibers/mm^2:_____

Fibers/cc=49.04 X (Fibers/Fields)/Volume

Fibers/mm^2= Fibers/Fields/0.00785

SaLUT Soil and Land Use Technology, Inc.

11609 Edmonston Road, Beltsville, Maryland 20705 Telephone: (301) 595-3783
Fax: (301) 595-3787

AIR TEST SAMPLING DATA SHEET

Project: NEW EXEC Office BUILDING

Client: G.S.A.

Job No: 99-171

Date: 6/19/99 Time on-site: 7:00AM to

Name: Catalina G Rangel

Analyzed On-site: Y Laboratory:

Sample ID	Type	Flow Time ON	Flow Time OFF	Flow Time	Volume	Location	Fibers/ Fields	Fibers/ cc	Remarks
6/19/99/A1	FC	12- 10:30P	12- 12:30A	120	1440	Inside containment	3/100	0.001	West Loading Dock
A2	FC	12- 10:30P	12-12:30A	120	1440	Inside containment	4/100	0.001	West Loading Dock

COMMENTS:

Key: BG – Background
EV – Environmental
WA – Work Area
FC – Final Clearance
PS – Personal
FB – Field Blank

95-445

TRACOR

Tracor Technology Resources, Inc.
1601 Research Boulevard
Rockville, MD 20850-3173
301 251-4911

Project No.: 6486-012A
Serial No.: JG-95-018
ACT No.: P29046456

March 8, 1995

Received/Mailed
APR 1 1995
T.S. /WPXE
DC010522
CANOFILE: 950308
cc: WPMXW
WRON

Ms. Normajean Eleazer
GSA, NCR, WPX, Room 2036
7th and D Streets, SW
Washington, DC 20407

Subject: FINAL REPORT - ASBESTOS MONITORING - NEW EXECUTIVE OFFICE BUILDING

Dear Ms. Eleazer:

This is the final report on the asbestos abatement project that occurred in the New Executive Office Building in Office 1B and the loading dock on November 28, December 12-15, 1994, January 14, 23, 28, 30, 31, and February 1, 2, 4, 6-9, and 11, 1995.

Personnel from Tracor Technology Resources, Inc. (TTR) monitored Retro Environmental, a licensed asbestos abatement contractor, removing approximately nine hundred (900) square inches of asbestos containing deck insulation, utilizing mini containment procedures.

The Industrial Hygiene Consultant's responsibilities include conducting inspections of the worksite, assessing work practices, and collecting air samples. A total of ninety eight (98) air samples were collected. This project consisted of six (6) start up, eighteen (18) daily, and six (6) final inspection checklist reports.

The TTR Industrial Hygienist conducted daily air monitoring to determine work area fiber concentrations, and fiber levels outside the work area. In addition, the Industrial Hygienist conducted final inspections and clearance air testing. All final clearance air samples were below the required EPA level of 0.01 fibers per cubic centimeter (0.01 f/cc).

Air sample collection measurement and analysis followed the NIOSH 7400 Method A Rules. Air sampling pumps were calibrated both before and after collecting each sample set. Area samples were taken at ≥2.5 liters per minute, and all clearance samples were taken at 10.0 liters per minute.

Please find enclosed air sampling data, daily and final checklists, and all daily log notes.

If you should have any questions or need additional information, please call. We can be reached at (301) 251-4921.

Sincerely,

TRACOR TECHNOLOGY RESOURCES, INC.

Prepared by: S. R. Philpott
for John Golombieski III
Industrial Hygienist

Technical Review:
Michael J. Larsen, CIH
President

JG:srp

Enclosures

11E05

Page #_____

LOG SHEET

Date: 11/28/94

Project Number: 6486-012

Industrial Hygienist: Chris Charuhas

Abatement Contractor/Supervisor: Ron / Retro

Time	Remarks
1900	Arrive on-site
1930	PipeFitters begin setting up
1950	PipeFitters begin work - checking
	pipes for leaks. No containment necessary, no
	ambient air samples taken.
2100	PipeFitters go above ceiling to check for
	leaks
2120	Workers take lunch
2210	Lunch ends
2400	Work begins on 8th Floor
0300	Work ends

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486 012

Location: Various Floors Date: 4/28/94

Removal Contractor: Retro Time Started: _____

Monitoring Contractor: Tracor Time Stopped: _____

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	No Containments built	
	b. Decontamination Curtains	_____	_____
	c. GLOVE BAG PROJ	_____	_____
	d. Seals around ducts, windows and doors	_____	_____
	e. "Negative air machine" in use	_____	_____
	f. Negative pressure > .03"	_____	_____
2. Signage	a. Caution Signs at vestibule entry.	_____	_____
	b. OSHA SIGN (ASBESTOS)	_____	_____
	c. Dumpster, ducts, drums, and bags labelled	_____	_____
3. Work Practices	a. Hammers, saws, etc. NOT in use.	_____	_____
	b. Removed Material Promptly Bagged.	_____	_____
	c. Debris Stored in removal area.	_____	_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	_____	_____
	e. Material Kept Wetted Until Bagged.	_____	_____
4. Worker Protection	a. Disposable Clothing Used One Time.	_____	_____
	b. Proper NIOSH respirators.	Disp____ HEPA____ PAPR____ TYP"C"____	_____ _____ _____ _____
	c. Proper Decontamination Sequence Followed	_____	_____
5. Showers	a. Functioning?	_____	_____
	b. Soap and Towels?	_____	_____
	c. Used Each Departure?	_____	_____
6. Work Habits In Work Area	a. No Smoking	_____	_____
	b. No Eating/Drinking	_____	_____

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

No containments built - pipe fitters checking pipes for leaks only.

Report Prepared By: [signature] Date: 11/28/94

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486-012

Location: B1 Level Date: 12/12/94

Removal Contractor: RETRO Time Started: 2325

Monitoring Contractor: TRACOR Time Stopped: 0400

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	N/A	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	1 for 2 seperate minicontainments *	
	f. Negative pressure > .03"	Not measured	
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	No removal	
3. Work Practices	a. Hammers, saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	No removal	
	c. Debris Stored in removal area.	No removal	

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	NO REMOVAL	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ___ HEPA ✓ PAPR ___ TYP"C" ___	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?	N/A	
	b. Soap and Towels?	↓	
	c. Used Each Departure?	↓	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

No removal. Workers (Retro) set up two (2) mini-containments and put one Negative Air (HEPA filtered) machine put in one of the mini-containments

Report Prepared By: SCOTT DUNN Date: 12/13/94

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486-012

Location: B1 Date: 12/13/94

Removal Contractor: RETRO Time Started: 2030

Monitoring Contractor: TRACOR Time Stopped: _____

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	N/A	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	1 for 4 seperate mini-containments	
	f. Negative pressure > .03"	NOT OBSERVED	
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	NO REMOVAL	
3. Work Practices	a. Hammers, saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	NO REMOVAL	
	c. Debris Stored in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	NO REMOVAL	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?	NA	
	b. Soap and Towels?	✓	
	c. Used Each Departure?	✓	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

Report Prepared By: SCOTT DUNN Date: 12/13/94

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 8486-012

Location: 1B Level Date: 12/14/94

Removal Contractor: Retro Time Started: _____

Monitoring Contractor: TRACOR Time Stopped: _____

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	N/A	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use		
	f. Negative pressure > .03"	Not measured	
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	No Removal	
3. Work Practices	a. Hammers, saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	No Removal	
	c. Debris Stored in removal area.	No Removal	

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	No Removal	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	N/A	
5. Showers	a. Functioning?		
	b. Soap and Towels?		
	c. Used Each Departure?		
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

No Removal, however working above a plaster ceiling where there is spray on insulation on the deck

Report Prepared By: Scott Dunn Date: 12/14/94

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486-012

Location: Level 1 1B Date: 15 DECEMBER 1994

Removal Contractor: RETRO Time Started: _____

Monitoring Contractor: TRACOR Time Stopped: _____

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	N/A	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure > .03"	NOT MEASURED	
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	NO REMOVAL	
3. Work Practices	a. Hammers, saws, etc. NOT in use.	↓	
	b. Removed Material Promptly Bagged.	↓	
	c. Debris Stored in removal area.	↓	

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	no removal	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ✓ HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	N/A	
5. Showers	a. Functioning?	✓	
	b. Soap and Towels?	✓	
	c. Used Each Departure?	✓	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

Report Prepared By: Scott Dunn Date: 12/15/94

LOG SHEET

Date: 12 December 1994
Project Number: 6486-012
Industrial Hygienist: Scott Dunn
Abatement Contractor/Supervisor: Retro/ Ronald T.

Time	Remarks
1900	TTR arrives at the New Executive Office Building. A few pipe fitters already on site as well as one worker from Retro. Check in with Secret Service and wait for other workers to arrive.
1910	Retro supervisor arrives at NEOB.
1945	Pipe fitter supervisor arrives at NEOB. All workers mobilize to the basement areas, specifically level one. Pipe fitters load pipping from loading dock to bring to the basement level one area.
2030	Walk through the basement level one area with Retro supervisor and the pipe fitter supervisor. Doors had to be unlocked. Cooridination conducted with Secret Service and GSA.
2100	The mini-containment entrance has not been constructed. Pipe fitters continue with mobilization.
2200	No changes in progress for the abatement workers.
2300	Mini-containment construction has commenced. Two areas will be constructed for entry and exit from the area above the plaster ceiling. Retro has set up two negative air machines at one of the mini-containments. Workers above the ceiling should be conducting personel air monitoring. Final air sampling is not necessary. Clearance will be conducted with the working air sample in the containment. If the concentration is less than 0.01 fibers per cubic centimeter, the area will be granted final air clearance.
2400	Automatic (pipe fitters) don suits and respirators and enter the area above the plaster ceiling. Automatic begins with mobilizing piping through the mini-containments to the area above the ceiling.
0100	Automatic continues with sprinkler main line installation.
0200	No unusual observations noted.
0230	Automatic downstairs in another mechanical room. GSA escort indicated that the pipefitters will not be back at level one until 0300.
0300	Workers from Automatic return from second level to first level in the basement.
0330	It appears that Automatic is packing up for the night. The supervisor informed TTR that they will be completed at 0430 or 0500.
0400	Pipe fitters have attached the lights back to the plaster ceiling. Retro begins cleaning in the two mini-containments. Area samples collected. The sample inside the containment will be utilized as the final air sample for clearance.
0445	All area samples have been analyzed and were all less than 0.01 f/cc. The final air sample was collected. The final was run at a flow rate of 3 liters/minute at 305 minutes (915 liters).
0500	Final air sample meets clearance criteria. TTR demobilizes equipment and leaves the building at 0530.

LOG SHEET

Date: 13 December 1994
Project Number: 6486-012
Industrial Hygienist: Scott Dunn
Abatement Contractor/Supervisor: Retro/ Ronald T.

Time	Remarks
1900	TTR arrives at the New Executive Office Building. A few pipe fitters already on site. Retro arrives shortly after. Herb Pankey and Ron Toby (Grunley) on site.
1930	All workers have been escorted to the B1 level. Access to some rooms is being taken care of by GSA.
2000	Retro is gathering materials to set up mini-containment.
2030	Retro setting up mini-containments for Automatic Sprinkler Co.
2100	ASCOA decides to gain access through the GSA mechanics' kitchen. ASCOA was informed that a mini-containment will need to be constructed to put pipe through the access panel. Another mini-containment will be constructed at the custodial smoke-room.
2130	ASCOA worker observed in mini-containment without protective clothing or respiratory protection. The worker was warned not to put his head above the ceiling without proper respiratory equipment. Workers are also not allowed to enter a regulated area without proper equipment.
2140	The same ASCOA worker was observed in the regulated area and his head above the ceiling without a respirator or protective clothing.
2230	ASCOA on lunch break.
2330	ASCOA returns to work above the plaster ceiling in the B1 level. Three workers suit up for work.
2400	ASCOA has made an access hole in the GSA smoke room. There is no negative air exhaust in this mini-containment. No problems were observed at this time.
0100	ASCOA moves into the GSA Elevator Mechanics Office to put material through the mini-containment (no negative air).
0130	ASCOA goes on a break. All piping has been put through the mini-containment and placed above the plaster ceiling.
0145	The mini-containment in the GSA smoke room has been taken down and cleaned up by Retro. The area was observed to be cleaned. The final working sample was set up in the main mini-containment.
0220	ASCOA observed eating GSA workers food (potato chips).
0230	ASCOA workers go back to work. Workers break for one hour.
0305	Herb Pankey arrives at NEOB B1 level and leaves site at 0310. No significant observations noted.
0400	ASCOA continues with work. Worker was observed in the regulated area with a respirator. Area air samples are collected.

Page # 3

LOG SHEET

Date: 14 December 1994

Project Number: 6486-012

Industrial Hygienist: SCOTT DUNN

Abatement Contractor/Supervisor: RETRO / RON T.

Time	Remarks
1950	Arrive at job site. Retro and ASCOA waiting for supervisor and another worker (commuting from Carlisle, PA).
2000	All workers move to the 1-B level and mobilize equipment to begin setting up minicontainments.
2100	Supervisor is now on site and ASCOA is already above the plaster ceiling worker. Retro continues setup of another minicontainment near Room B-225.
2200	ASCOA has brought the equipment to the 1B level. They have been making cuts and applying flex and tape to the pipes. They have been performing work above the ceiling gaining access at Room B-240
2230	Workers (ASCOA) go on lunch break
2330	Workers suit up and go back into the area above the plaster ceiling
2400	workers working inbetween two access panels and the sprinkle pump room. No unusual occurences observed.
0030	Work is complete in B-240.
00500	Working samples were dirty but pass NIOSH criteria (<0.01 f/cc)
0155	ASCOA has set up bags at the ceiling to drill holes in non-asbestos plaster ceiling. Cutting of pipe continues.
0200	Asbestos spray on insulation was discovered on the floor outside the electricians shop. TIR informed Retro and they HEPA vacuumed the small pieces and wet wiped the flooring. Work can be performed safely without setting up containments. However, ASCOA has failed to perform safe work. Workers have continually put their heads in "regulated ceilings" without proper respiratory protection. If ASCOA continues to perform unsafe work practices — it is recommended that their

Page # 2

LOG SHEET

Date: 14 December 1994

Project Number: 6486-012

Industrial Hygienist: Scott DUNN

Abatement Contractor/Supervisor: RETRO-RON T. | ASCOA-"Snuffy"

Time	Remarks
0200	work ~~be~~ conducted under normal abatement conditions
	ASCOA goes on a break
0300	ASCOA returns to work. No unusual occurences observed @ this time.
0400	ASCOA continues w/work, creating a little bit of construction dust.
0415	Air samples collected and prepped for analysis
0430	Herb Pankey arrives @ job site
0445	Air samples are all less <0.01

Page # 1

LOG SHEET

Date: 15 December

Project Number: 6486-012

Industrial Hygienist: SCOTT DUNN

Abatement Contractor/Supervisor: RETRO / RON T. | ASCOA — "SNUFFY"

Time	Remarks
1900	TRACOR ARRIVES AT JOB SITE. ONE ASCOA WORKER ON SITE. A COUPLE OF
	OTHER WORKERS ARRIVE SHORTLY AFTER.
2000	ALL WORKERS ON SITE ~~AN~~ HAVE BEEN ESCORTED TO LEVEL ONE-B. RETRO HAS
	BEGUN CONSTRUCTION OF MINI-CONTAINMENTS. AIR SAMPLES HAVE BEEN SET UP.
2100	ASCOA WORKERS HAVE STARTED SPRINKLER WORK ABOVE PLASTER CEILING. RETRO HAS
	CONSTRUCTED THREE MINI-CONTAINMENTS; ONE WITH A MICROTRAP. ASCOA IS PRIMARILY
	UTILIZING THE MINI WITH THE NEGATIVE AIR EXHAUST.
2200	ASCOA WORKERS CONTINUE SENDING PIPE THROUGH MINI-CONTAINMENTS TO AREAS
	ABOVE THE PLASTER CEILING.
2215-2320	ASCOA ON LUNCH BREAK
2400	WORKERS ARE DRILLING HOLES IN THE CEILING FOR SPRINKLER HEADS
0100	ASCOA CONTINUES WITH WORK ABOVE THE PLASTER CEILING. NO PROBLEMS ENCOUNTERED.
0200	WORK CONTINUES. NO PROBLEMS ENCOUNTERED. AIR SAMPLES HAVE ALREADY
	been set up for clearance
0300	ASCOA CONTINUES.
0400	ASCOA begins cleaning up
0500	Air samples have been analyzed and were less than 0.01 f/cc.
	Off site @ 0500

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

12/19/94

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012	271894	1	12/12/94	OUT	< 0.006
6486012	271994	2	12/12/94	OUT	< 0.006
6486012	272094	3	12/12/94	OUT	< 0.006
6486012	272194	4	12/12/94	OUT	< 0.006
6486012	272294	5	12/12/94	INS	< 0.006
6486012	272394	6	12/12/94		BLANK= 0.00
6486012	272494	7	12/12/94		BLANK= 0.00
6486012	272594	8	12/13/94	OUT	< 0.004
6486012	272694	9	12/13/94	OUT	< 0.004
6486012	272794	10	12/13/94	OUT	< 0.004
6486012	272894	11	12/13/94	OUT	< 0.004
6486012	272994	12	12/13/94	OUT	< 0.004
6486012	273094	13	12/13/94	INS	< 0.004
6486012	273194	14	12/13/94		BLANK= 0.00
6486012	273294	15	12/13/94	OUT	< 0.003
6486012	273394	16	12/13/94		BLANK= 0.00
6486012	273494	17	12/14/94	OUT	0.005
6486012	273594	18	12/14/94	OUT	< 0.005
6486012	273694	19	12/14/94	OUT	0.005
6486012	273794	20	12/14/94	OUT	< 0.004
6486012	273894	21	12/14/94	OUT	0.005
6486012	273994	22	12/14/94	INS	< 0.004
6486012	274094	23	12/14/94		BLANK= 0.00
6486012	274194	24	12/14/94		BLANK= 0.00
6486012	274294	25	12/15/94	OUT	< 0.004
6486012	274394	26	12/15/94	OUT	< 0.004
6486012	274494	27	12/15/94	OUT	< 0.004
6486012	274594	28	12/15/94	OUT	< 0.004
6486012	274694	29	12/15/94	OUT	< 0.004
6486012	274794	30	12/15/94	OUT	< 0.004
6486012	274894	31	12/15/94	OUT	< 0.004
6486012	274994	32	12/15/94	OUT	< 0.004
6486012	275094	33	12/15/94		BLANK= 0.00
6486012	275194	34	12/15/94		BLANK= 0.00

KEY: BKG BACKGROUND
FIN FINAL CLEARANCE AIR
PER PERSONAL
GVB OUTSIDE AREA SAMPLE DURING GLOVE BAG REMOVAL
INS INSIDE CONTAINMENT
OUT OUTSIDE CONTAINMENT

APPROVED BY
MICHAEL J. EDWARDS
LABORATORY MANAGER

Tracor Technology Resources — **Air Sample Sheet**

Project # 4486-012-01

1601 Research Boulevard
Rockville, Maryland 20850

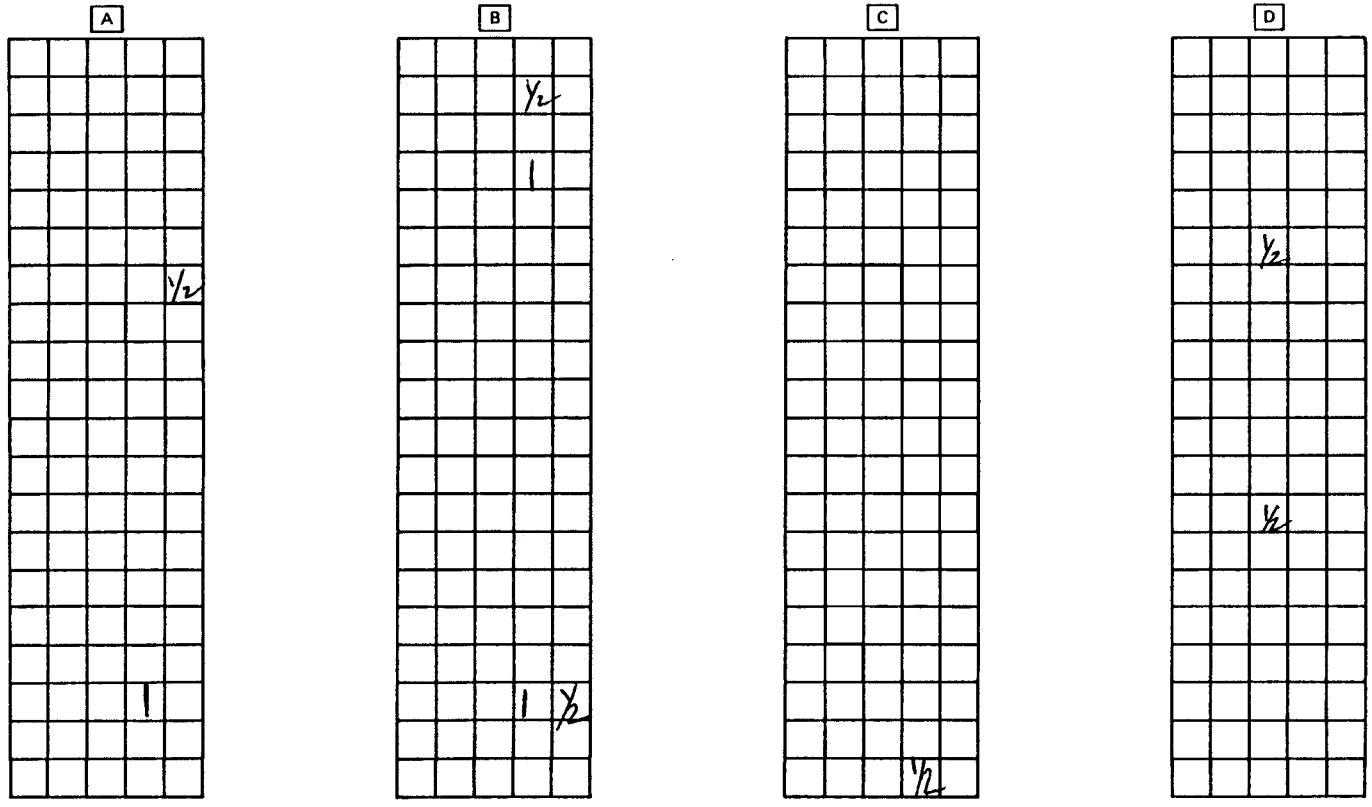
	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc	
A	271894	01	4	3.0	2.9	3.0	2328	—	290	870	1.5	100	0	1.5	<0.01	<0.006
A	Notes: B1 Level Sprinkler Pump Room															
B	271994	02	3	3.0	2.8	2.9	2326	—	290	841	3	100	0	3	<0.01	<0.006
B	Notes: Room B-237															
C	272094	03	1	3.0	2.8	2.9	2330	—	290	841	1/2	100	0	1/2	<0.01	<0.006
C	Notes: Room B-327															
D	272194	04	5	3.0	3.0	3.0	2332	—	290	870	1	100	0	1	<0.01	<0.006
D	Notes: Room B-212															

Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



Scott Dunn — FIELD TECH. — 12/12/94 DATE

Dunn — ANALYST — 12/13/94 DATE

Tracor Technology Resources — Air Sample Sheet

Project # 6486-0121-01

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	272294	05	2	3.0	3.0	3.0	2338	✓	305	915	4	100			<0.00 6
A	Notes: Inside Work Area (Working/Final)														
B	272394	06											0		
B	Notes: Blank														
C	272494	07											0		
C	Notes: Blank														
D															
D	Notes:														

Field Area (Check One): ☑ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size: ☑ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A

1				
				1
	1/2			
				1
		1/2		

B

C

D

DUNN 12/12/94
FIELD TECH. DATE

DUNN 12/13/94
ANALYST DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 6486-012

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	272594	08	2	3.0	3.0	3.0	2054	—	440	1320	1.5	100	0	1.5	<0.004
A	Notes: Outside Rm. B-237														
B	272694	09	1	3.0	3.0	3.0	2056	—	440	1320	5	100	0	5	<0.004
B	Notes: Across from Rm. B-228 at Fuse Box														
C	272794	10	3	3.0	3.0	3.0	2058	—	440	1320	4	100	0	4	<0.004
C	Notes: Sprinkler Pump Room (Rm. B-240)														
D	272094	11	4	3.0	3.0	3.0	2100	✓	0434	1302	0.5	100	0	0.5	<0.004
D	Notes: Stairwell #2 → Neg air exhaust														

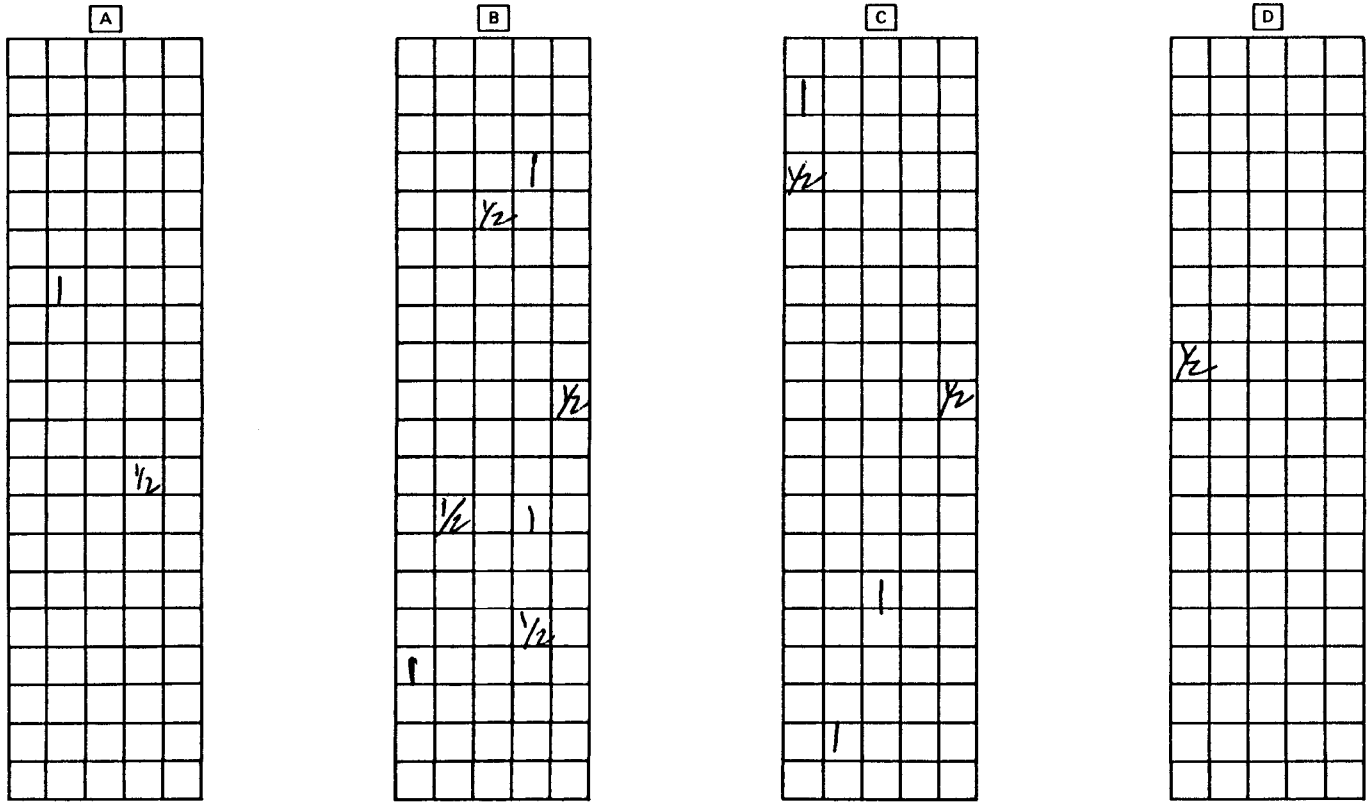
Field Area (Check One): ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size: ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



SCOTT DUNN — FIELD TECH.

12/13/94 — DATE

DUNN — ANALYST

DATE

Tracor Technology Resources — Air Sample Sheet

Project # 6 4 8 6 - 0 1 2

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	272994	12	5	3.0	3.0	3.0	2102	✓	431	1293	4	100	0	4	<0.004
A	Notes: Rm. B-241														
B	273094	13	41	5.0	5.0	5.0	2128	0145	257	1285	5	100	0	5	<0.004
B	Notes: Inside mini-containment														
C		14	41	5.0	5.0	5.0	2128	0145	257	1285					
C	Notes: Working														
D	273294	15	41	10	10	10	0145	0430	165	1650	2	100	0	2	<0.003
D	Notes: Working final @ mini-containment @ Stairwell #2														

Field Area (Check One): ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size: ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A

	1			
	½			
			1	
1				
	½			

B

½				
½				
	½			
	1			
			1	
				1
		½		

D

				½
			½	
		1		

DUNN 12/13/94
FIELD TECH. DATE

DUNN 12/13/94
ANALYST DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 6486-012

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	273194	14											Ø		
A	Notes: Blank														
B	273394	16											Ø		
B	Notes: Blank														
C															
C	Notes:														
D															
D	Notes:														

Field Area (Check One): ☑ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Filter Size: ☑ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A B C D

Scott Dunn 12/13/94
FIELD TECH. DATE

Dunn 12/13/94
ANALYST DATE

Tracor Technology Resources — Air Sample Sheet

Project # 6,4,8,6,-,0,1,2

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	273494	17	5	3.0	3.0	3.0	2050	—	445	1335	13	100	0	13	0.005
A	Notes: Air Room B-237														
B	273594	18	2	3.0	3.0	3.0	2050	—	320	960	8	100	0	8	<0.005
B	Notes: Air Room B-233														
C	273694	19	3	3.0	3.0	3.0	2050	—	445	1335	13.5	100	0	13.5	0.005
C	Notes: Inbrd. Room B-240														
D	273794	20	4	3.0	3.0	5.0	2050	—	445	1335	3	100	0	3	<0.004
D	Notes: Air Room B-225														

Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A

	1		1	
		1/2		1
				1/2
		1/2		
		1/2		
1/2		1.5		
		1		
				1
1		1		1
				1

B

			1/2	1/2
		1		
	1/2			
			1	
		1		
				1/2
				1/2
	1/2			
	1/2			
		1/2		
			1	

C

		2		1/2
1/2				1
		1/2		
	1/2			
	1.5	1/2		
	1		1	
	1/2			
				1
1/2				1
			1	1/2

D

1				
	1			
				1

SCOTT DUNN — FIELD TECH. — 12/14/94 DATE

DUNN — ANALYST — 12/14/94 DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 6,4,8,6,-,0,1,2,4

1601 Research Boulevard
Rockville, Maryland 20850

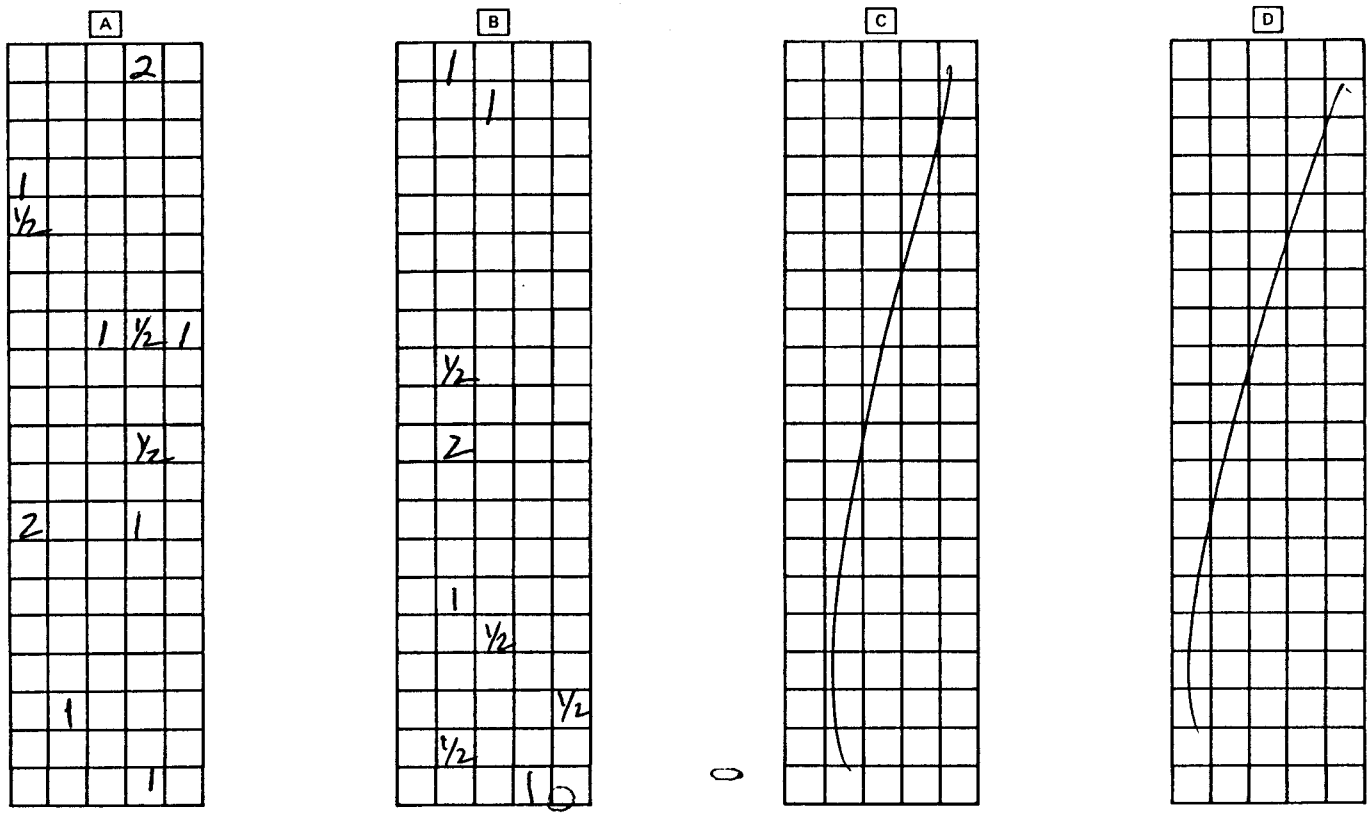
	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	273894	21	38	5.0	5.0	5.0	2040	0030	230	1150	11.5	100	0	11.5	0.005
A	Notes: Room B-238 ; near mini-containment														
B	273994	22	41	5.0	5.0	5.0	2042	0032	230	1150	8	100	0	8	<0.004
B	Notes: ~~Data~~ Inside minicontainment in Room B-238														
C	274094	23											0		
C	Notes: BLANK														
D	274194	24											0		
D	Notes: BLANK														

Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



DUNN 12/14/94
FIELD TECH. DATE

DUNN 12/14/94
ANALYST DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 6,4,8,6,-0,1,2,

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	274294	25	1	2.5	2.5	2.5	1958	—	464	1160	½	100	Ø	½	<0.004
A	Notes: Room B-241 → Light Bulb Storage														
B	274394	26	2	2.5	2.5	2.5	2000	0410	490	1225	3.5	100	Ø	3.5	<0.004
B	Notes: Outside Room B-237														
C	274494	27	3	2.5	2.5	2.5	2002	0406	484	1210	3.5	100	Ø	3.5	<0.004
C	Notes: Outside Room B-233														
D	274594	28	4	2.5	2.5	2.5	2004	0412	488	1220	5.5	100	Ø	5.5	<0.004
D	Notes: Outside Room B-225														

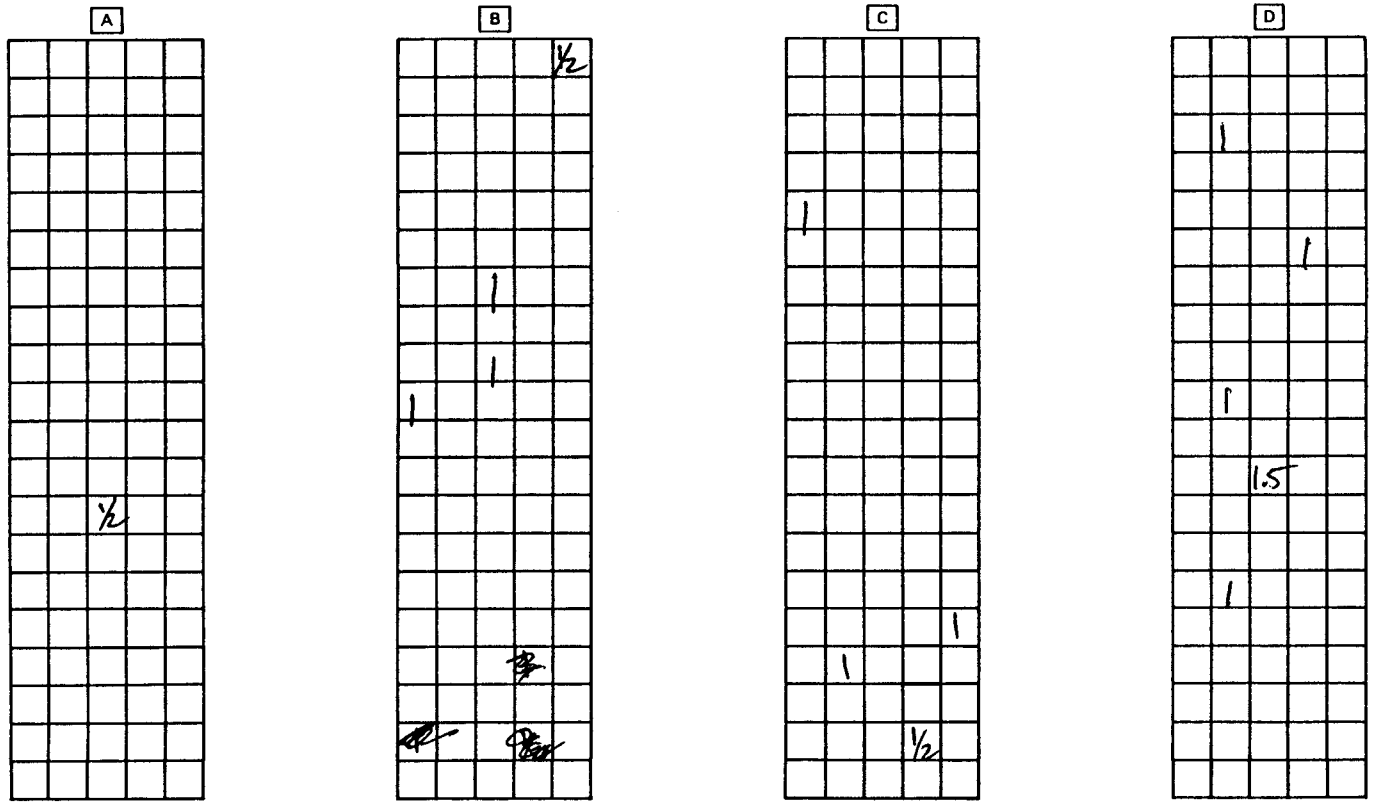
Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



SCOTT DUNN — FIELD TECH. — 12/15/94 DATE

DUNN — ANALYST — 12/15/94 DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 6,4,8,6,-,0,1,2,

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	274694	29	5	2.5	2.5	2.5	2006	—	480	1200 ~~1200~~	1	100	0	1	<0.004
A	Notes: Inside Room B-236														
B	274794	30	39	10	10	10	0142	0342	120	1200	2	100	0	2	<0.004
B	Notes: Room B-241 & LIGHTBULB STORAGE AREA FINAL on MINI-Containment														
C	274894	31		10	10	10	0146	0346	120	1200	0	100	0	0	<0.004
C	Notes: HALLWAY ACROSS FROM Room B-236 FINAL on mini-containment														
D	274994	32		10	10	10	0148	0348	120	1200	9	100	0	9	<0.004
D	Notes: HALLWAY NEAR Room B-225 FINAL on mini-containment														

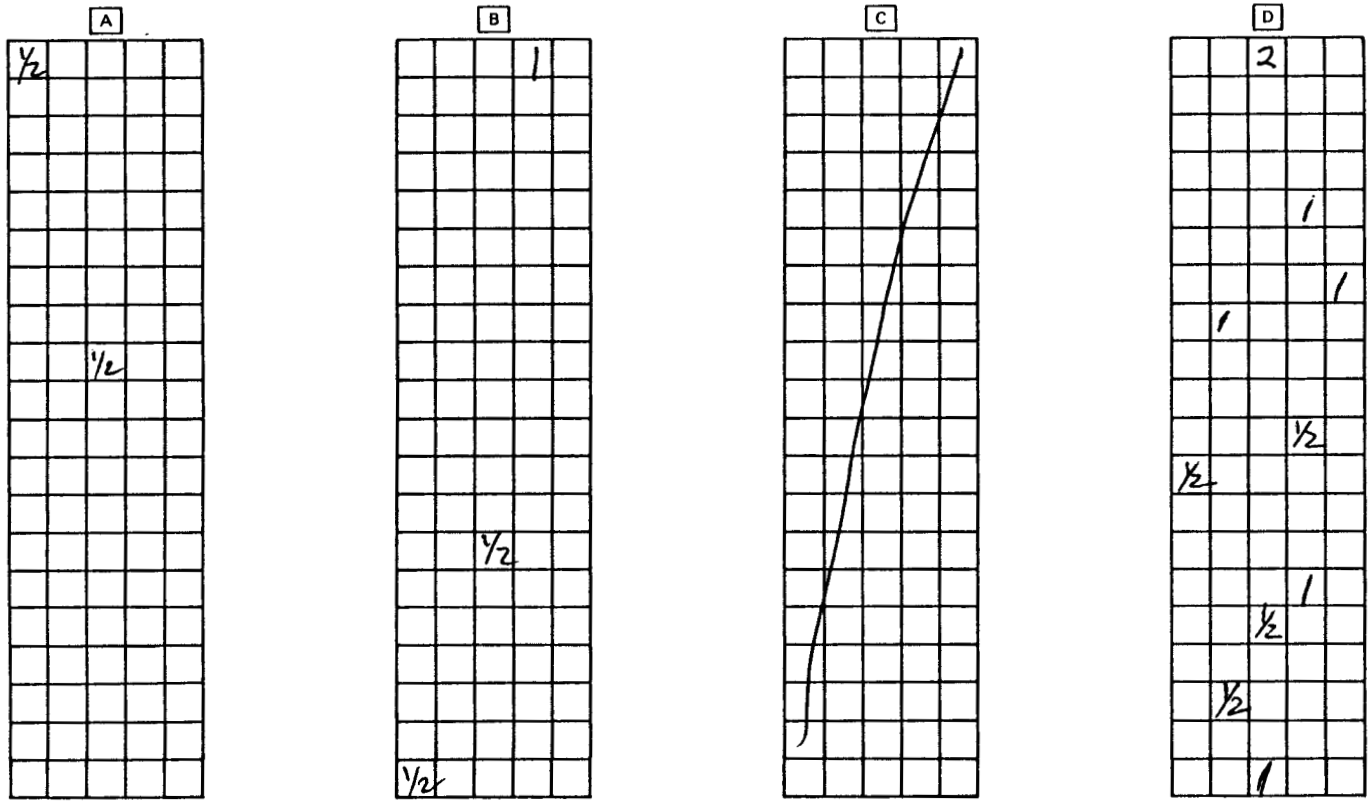
Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



DUNN 12/15/94
FIELD TECH. DATE

DUNN 12/15/94
ANALYST DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 6,4,8,6,-,0,1,2

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	27594	33											Ø		
A	Notes: Blank														
B	27594	34											Ø		
B	Notes: Blank														
C															
C	Notes:														
D															
D	Notes:														

Field Area: (Check One)
- ☒ .00785
- ☐ .00754
- ☐ .00724
- ☐ .00801
- ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size
- ☒ 25 mm (385 sq mm)
- ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A

B

C

D

DUNN — FIELD TECH. — 12/15/94 DATE

DUNN — ANALYST — 12/15/94 DATE

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

02/03/95

SUMMARY REPORT

PROJECT =	LOG =	SAMPLE =	DATE COLLECTED	LOCATION	F/CC
6486012	12795	1	01/14/95	INS	0.011
6486012	12895	2	01/14/95	OUT	< 0.004
6486012	12995	3	01/14/95	OUIT	VOIDED
6486012	13095	4	01/14/95	OUT	< 0.004
6486012	13195	5	01/14/95	OUT	< 0.004
6486012	13295	6	01/14/95	OUT	< 0.004
6486012	13395	7	01/14/95	FIN	< 0.004
6486012	13495	8	01/14/95	FIN	< 0.004

KEY: BKG BACKGROUND
FIN FINAL CLEARANCE AIR
PER PERSONAL
GVB OUTSIDE AREA SAMPLE DURING GLOVE BAG REMOVAL
INS INSIDE CONTAINMENT
OUT OUTSIDE CONTAINMENT

APPROVED BY
MICHAEL C. EDWARDS
LABORATORY MANAGER

MEO3

Tracor Technology Resources — Air Sample Sheet

Project # 6486012

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	12795	1	21	2.5	"	"	0700	1500	480	1200	16.5	100	–	16.5	<.01
A	Notes: In Containment														
B	12895	2	43	2.5	"	"	0700	1500	480	1200	2	100	–	2	<.01
B	Notes: Loading Area Bt Levels														
C	12995	3	19	2.5	"	"	0705	1505	VOID			100	–		
C	Notes: Hallway Bt Levels														
D	13095	4	11	2.5	"	"	0705	1505	480	1200	4.5	100	–	4.5	<.01
D	Notes: Outside elevator														

Field Area: (Check One) ☐ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☐ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A

			2.5	1
1				
		1	.5	
.5		1		1
		.5		
		1	1	
	.5			
			1	
.5				
1		1		
1				
.5				

B

	1			
			.5	
	.5			

C

	VOID			

D

		1		
		.5		
.5				
.5				
			1	
	1			

FIELD TECH. DATE 11/14/95

ANALYST DATE 11/14/95

11EOB

Tracor Technology Resources — Air Sample Sheet

Project # 648C012

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Total Count	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	13195	5	22	2.5	"	"	0705	1505	480	1200	8.5	100	–	8.5	<.01
A	Notes: Top of Decon														
B	13295	6	42	2.5	"	"	0705	1505	480	1200	0	100	–	0	<.01
B	Notes: Stairway #1 – trap exhaust														
C	13395	7	0491	10	"	"	2000	2200	120	1200	0	100	–	0	<.01
C	Notes: In Containment														
D	13495	8	28	10	"	"	2000	2200	120	1200	0	100	–	0	<.01
D	Notes: In Containment														

Field Area: (Check One) ☐ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Calculations: Mean Flow = $\frac{Pre + Post}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☐ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A: 1, .5, .5, 1.5, 1, 1, .5, .5, 1, 1

B

C

D

[signature] 1/14/95
FIELD TECH. DATE

[signature] 1/14/95
ANALYST DATE

NE013

Page # 1

LOG SHEET

Date: 1/14/95

Project Number:

Industrial Hygienist: Chris Charahas

Abatement Contractor/Supervisor: Ron/Retro

Time	Remarks
0400	Arrive on site
	Retro constructing containment on level B1
0600	Plumbers loading materials into containment
0645	Walk-through with Ron inside containment,
	last changes made to containment
0700	Go-ahead given to Ron - work can begin
0710	All pumps on
0830	Spoke w/ Chris Hightower about
	doing work above ceiling on 2nd Floor.
	Workers to do work had licenses to work in
	acm areas, but lapsed. Chris asked if
	it would be possible for them to work anyway.
	Because scope of work was small I said ok
0930	Work stops
1000	Work resumes - installing pipes +
	sprinklers in ceiling
1230	Work break
1300	Work resumes
1600	Plumbers begin removing work materials
	From containment
1630	Work Finished in containment
1900	Retro reappears on site
1945	Encapsulation begins
2000	Finals begun
2200	Finals pulled, clear

Exhibit ~~B~~ A

GSA ASBESTOS ABATEMENT ~~MONITORING~~ Startup CHECKLIST

Building: NEOB Project: _____

Location: Level B1 Date: 1/14/95

Removal Contractor: Retro Time Started: _____

Monitoring Contractor: Tracor Time Stopped: _____

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	n/A	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure > .03"	waived	
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	n/A	
	c. Debris Stored in removal area.	n/A	

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	N/A	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ___ HEPA ✓ PAPR ___ TYP"C" ___	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?	✓	
	b. Soap and Towels?	✓	
	c. Used Each Departure?	✓	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

Report Prepared By: [signature] Date: 1/14/95

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: _____

Location: 1B Date: 1/14/95

Removal Contractor: Retro Time Started: 0700

Monitoring Contractor: Tracor Time Stopped: _____

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	n/A	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure > .03"	waived	
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	n/A	
	c. Debris Stored in removal area.	n/A	

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	~~✓~~ N/A	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ___ HEPA ✓ PAPR ___ TYP"C" ___	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?	✓	
	b. Soap and Towels?	✓	
	c. Used Each Departure?	✓	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

Report Prepared By: [signature] Date: 1/14/95

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: _____

Location: 1B Date: 1/14/95

Removal Contractor: Retro Time Inspected: 1955

Monitoring Contractor: Tracor Time Completed: 2000

FINAL INSPECTION: The final inspection shall consist of a walkthrough inspection conducted by the IH contractor IH. He may at times be accompanied by the Contracting Officer's Representative or a designee, a GSA Safety and Environmental Management representative, the IH contract's Certified Industrial Hygienist, the asbestos abatement contractor, a state or local government representative, the abatement contractor's Industrial Hygienist, a tenant Agency Representative, or another interested party.

OBJECTIVE: The objective is to assure that the ASBESTOS has been removed or abated as required in the CONTRACT. All parties should familiarize themselves with the provisions of the contract and the "Asbestos Removal/Abatement Scope of Work." This checklist is to serve as a guide for the final inspection.

Activity to be Checked		Within Limits	Problem Encountered
1. Residual Dust on:			
(below eye level)	a. Floor.	✓	
	b. Horizontal Surfaces.	✓	
	c. Pipes.	✓	
	d. Ventilation Equipment.	✓	
(above eye level)	e. Horizontal surfaces.	✓	
	f. Pipes.	✓	
	g. Ductwork.	✓	
	h. Registers	✓	
	i. Lights.	✓	

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

As any dust found in the removal area is likely to be asbestos contaminated, in cases of dispute, a small quantity of material may be sent to a designated laboratory for analysis.

FINAL AIR SAMPLING:

If all other tests and situations appear to be satisfactory, the final air tests will be taken.

Serial Number:	0491	28			
Location:	In Cont.	In Cont.			
Volume (Liters):	1200	1200			
Flow rate: (Liters/Minute)	10	10			
Fibers/Filter:	0	0			
Fibers/Cubic Cm:	0	0			

ANALYST ANALYZING SAMPLES: [signature] DATE: 1/14/95

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

Report Prepared By: _____ Date: _____

REPORT REVIEWED BY: _____ DATE: _____

set print off

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

01/30/95

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012	195	1	01/23/95	out	< 0.005
6486012	295	2	01/23/95	out	< 0.005
6486012	395	3	01/23/95	out	< 0.005
6486012	495	4	01/23/95	out	< 0.005
6486012	595	5	01/23/95	out	BLANK= 0.00
6486012	695	6	01/23/95	out	BLANK= 0.00

KEY: BKG BACKGROUND
FIN FINAL CLEARANCE AIR
PER PERSONAL
GVB OUTSIDE AREA SAMPLE DURING GLOVE BAG REMOVAL
INS INSIDE CONTAINMENT
OUT OUTSIDE CONTAINMENT

APPROVED BY
MICHAEL [illegible] EDWARDS
LABORATORY MANAGER

PACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

02/03/95

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012	1795	1	01/30/95	OUT	< 0.005
6486012	1895	2	01/30/95	OUT	< 0.005
6486012	1995	3	01/30/95	OUT	< 0.005
6486012	2095	4	01/30/95	OUT	< 0.005
6486012	2195	5	01/30/95	OUT	< 0.005
6486012	2295	6	01/30/95	OUT	BLANK= 0.00
6486012	2395	7	01/30/95	OUT	BLANK= 0.00

KEY: BKG BACKGROUND
FIN FINAL CLEARANCE AIR
PER PERSONAL
GVB OUTSIDE AREA SAMPLE DURING GLOVE BAG REMOVAL
INS INSIDE CONTAINMENT
OUT OUTSIDE CONTAINMENT

APPROVED BY _____
MICHAEL [illegible]
LABORATORY MANAGER

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

02/28/95

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012	24295	8	01/31/95	out	< 0.005
6486012	24395	9	01/31/95	out	< 0.005
6486012	24495	10	01/31/95	out	VOIDED
6486012	24595	11	01/31/95	out	< 0.005
6486012	24695	12	01/31/95	out	< 0.005
6486012	24795	13	01/31/95	out	BLANK= 0.00
6486012	24895	14	01/31/95	out	BLANK= 0.00

KEY: BKG BACKGROUND
FIN FINAL CLEARANCE AIR
PER PERSONAL
GVB OUTSIDE AREA SAMPLE DURING GLOVE BAG REMOVAL
INS INSIDE CONTAINMENT
OUT OUTSIDE CONTAINMENT

APPROVED BY
MICHAEL J. EDWARDS
LABORATORY MANAGER

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

02/08/95

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012	14395	1	02/02/95	OUT	< 0.005
6486012	14495	2	02/02/95	OUT	VOIDED
6486012	14595	3	02/02/95	OUT	0.009
6486012	14695	4	02/02/95	OUT	< 0.005

KEY: BKG BACKGROUND
FIN FINAL CLEARANCE AIR
PER PERSONAL
GVB OUTSIDE AREA SAMPLE DURING GLOVE BAG REMOVAL
INS INSIDE CONTAINMENT
OUT OUTSIDE CONTAINMENT

APPROVED BY _____
MICHAEL L. EDWARDS
LABORATORY MANAGER

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

02/06/95

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012	14795	1	02/03/95	OUT	< 0.005
6486012	14895	2	02/03/95	OUT	< 1.401
6486012	14995	3	02/03/95	OUT	VOIDED
6486012	15095	4	02/03/95	OUT	BLANK= 0.00
6486012	15195	5	02/03/95		BLANK= 0.00

KEY: BKG BACKGROUND
FIN FINAL CLEARANCE AIR
PER PERSONAL
GVB OUTSIDE AREA SAMPLE DURING GLOVE BAG REMOVAL
INS INSIDE CONTAINMENT
OUT OUTSIDE CONTAINMENT

APPROVED BY
MICHAEL [illegible] EDWARDS
LABORATORY MANAGER

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

02/08/95

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012	15295	1	02/06/95	INS	< 0.004
6486012	15395	2	02/06/95	INS	< 0.004
6486012	15495	3	02/06/95	OUT	< 0.005
6486012	15595	4	02/06/95	OUT	< 0.005

KEY: BKG BACKGROUND
FIN FINAL CLEARANCE AIR
PER PERSONAL
GVB OUTSIDE AREA SAMPLE DURING GLOVE BAG REMOVAL
INS INSIDE CONTAINMENT
OUT OUTSIDE CONTAINMENT

APPROVED BY _____
MICHAEL J. EDWARDS
LABORATORY MANAGER

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

02/28/95

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012	24995	1	02/07/95	out	< 0.004
6486012	25095	2	02/07/95	out	< 0.004
6486012	25195	3	02/07/95	out	< 0.004
6486012	25295	4	02/07/95	out	< 0.004
6486012	25395	5	02/07/95	out	BLANK= 0.00
6486012	25495	6	02/07/95	out	BLANK= 0.00

KEY: BKG BACKGROUND
FIN FINAL CLEARANCE AIR
PER PERSONAL
GVB OUTSIDE AREA SAMPLE DURING GLOVE BAG REMOVAL
INS INSIDE CONTAINMENT
OUT OUTSIDE CONTAINMENT

APPROVED BY

MICHAEL L. EDWARDS
LABORATORY MANAGER

TRACER TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

02/10/95

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012	15695	1	02/08/95	INS	< 0.006
6486012	15795	2	02/08/95	OUT	< 0.006
6486012	15895	3	02/08/95	OUT	< 0.006
6486012	15995	4	02/08/95	OUT	BLANK= 0.00

KEY: BKG BACKGROUND
FIN FINAL CLEARANCE AIR
PER PERSONAL
GVB OUTSIDE AREA SAMPLE DURING GLOVE BAG REMOVAL
INS INSIDE CONTAINMENT
OUT OUTSIDE CONTAINMENT

APPROVED BY _____
MICHAEL D. EDWARDS
LABORATORY MANAGER

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

02/26/95

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012	25595	1	02/09/95	out	< 0.005
6486012	25695	2	02/09/95	out	< 0.005
6486012	25795	3	02/09/95	out	< 0.005
6486012	25895	4	02/09/95	out	< 0.005

KEY: BKG BACKGROUND
FIN FINAL CLEARANCE AIR
PER PERSONAL
GVB OUTSIDE AREA SAMPLE DURING GLOVE BAG REMOVAL
INS INSIDE CONTAINMENT
OUT OUTSIDE CONTAINMENT

APPROVED BY

MICHAEL E. EDWARDS
LABORATORY MANAGER

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

02/13/95

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
648601201	16095	1	02/11/95	OUT	< 0.004
648601201	16195	2	02/11/95	INS	< 0.010
648601201	16295	3	02/11/95	OUT	< 0.004
648601201	16395	4	02/11/95	INS	< 0.011
648601201	16495	5	02/11/95	OUT	< 0.002
648601201	16595	6	02/11/95	OUT	< 0.002
648601201	16695	7	02/11/95	OUT	< 0.002
648601201	16795	8	02/11/95	OUT	< 0.003
648601201	16895	9	02/11/95	OUT	< 0.003

KEY: BKG BACKGROUND
FIN FINAL CLEARANCE AIR
PER PERSONAL
GVB OUTSIDE AREA SAMPLE DURING GLOVE BAG REMOVAL
INS INSIDE CONTAINMENT
OUT OUTSIDE CONTAINMENT

APPROVED BY _____
MICHAEL A. EDWARDS
LABORATORY MANAGER

GSA ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Catagory	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Matarial Kept Wetted Until Bagged.	N/A	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ✓ HEPA PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	N/A	
5. Showers	a. Functioning?		
	b. Soap and Towels?		
	c. Used Each Departure?		
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

Mini Enclosure / No Removal

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Golomski Date: 2/9-10/95

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: 6486-012

Location: 1B Date: 2/9-10/95

Removal Contractor: Remo Time Inspected: 0230

Monitoring Contractor: TTR Time Completed: 0400

FINAL INSPECTION: The final inspection shall consist of a walkthrough inspection conducted by the IH contractor IH. He may at times be accompanied by the Contracting Officer's Representative or a designee, a GSA Safety and Environmental Management representative, the IH contract's Certified Industrial Hygienist, the asbestos abatement contractor, a state or local government representative, the abatement contractor's Industrial Hygienist, a tenant Agency Representative, or another interested party.

OBJECTIVE: The objective is to assure that the ASBESTOS has been removed or abated as required in the CONTRACT. All parties should familiarize themselves with the provisions of the contract and the "Asbestos Removal/Abatement Scope of Work." This checklist is to serve as a guide for the final inspection.

Activity to be Checked		Within Limits	Problem Encountered
1. Residual Dust on:			
(below eye level)	a. Floor.	✓	
	b. Horizontal Surfaces.	✓	
	c. Pipes.	N/A	
	d. Ventilation Equipment.	N/A	
(above eye level)	e. Horizontal surfaces.	✓	
	f. Pipes.	N/A	
	g. Ductwork.	✓	
	h. Registers	✓	
	i. Lights.	✓	

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

As any dust found in the removal area is likely to be asbestos contaminated, in cases of dispute, a small quantity of material may be sent to a designated laboratory for analysis.

FINAL AIR SAMPLING:

If all other tests and situations appear to be satisfactory, the final air tests will be taken.

Serial Number:	1	2	3	4	
Location:	N	E	NE	S	
Volume (Liters):	1012.5	1012.5	1012.5	1012.5	
Flow rate: (Liters/Minute)	2.5	2.5	2.5	2.5	
Fibers/Filter:	6.5	2	4	9	
Fibers/Cubic Cm:	≤.005	≤.005	≤.005	≤.005	

ANALYST ANALYZING SAMPLES: Golomsieski DATE: 2-10-95

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

Area Samples Are Running Rivals

Report Prepared By: _____ Date: _____

REPORT REVIEWED BY: _____ DATE: _____

Page # 1

LOG SHEET

Date: 2/9-10/95

Project Number: 6486-012

Industrial Hygienist: Goldsmith

Abatement Contractor/Supervisor: Retro / Ronald

Time	Remarks
1900	On site w/ Retro Waiting for Fitters to arrive
1930	Fitter on site / Calibrating pumps to 2.5 l/m + will set up area samples as running finals because there will be no removal tonight.
2045	Crew begins to take pipe into the ceiling through the approved mini-enclosure
2130	Crew buying main pipe
2200	Crew takes lunch break
2300	Crew Returns to Work
2430	Crew setting heads from main
0100	Crew still setting heads
0200	Crew completed in the ACM area + will continue work after break in a Non-ACM area
0230	Pulled area samples + will read as running finals
0330	Final size passed
0400	off site

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB

Project: 6486-012

Location: 8th Floor - Room 8001; 18 Level

Date: 2/11/95

Removal Contractor: RETRO

Time Started: 0600

Monitoring Contractor: TRACOR

Time Stopped: 1600

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	N/A	
	c. GLOVE BAG PROJ	N/A	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	N/A waived by GSA	
	f. Negative pressure > .03"	N/A	
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)		
	c. Dumpster, ducts, drums, and bags labelled	N/A	No removal
3. Work Practices	a. Hammers, saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	No removal	
	c. Debris Stored in removal area.	No removal	

GSA ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	NO REMOVAL	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ___	
		HEPA ✓	
		PAPR ___	
		TYP "C" ___	
	c. Proper Decontamination Sequence Followed	N/A	
5. Showers	a. Functioning?	N/A	
	b. Soap and Towels?	↓	
	c. Used Each Departure?	↓	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

5 MINI-CONTAINMENTS set up on 8th (2) and 18 (3) Levels. Neg. Air has been waived by GSA. No removal is to occur. Electricians are working on the 8th floor and Pipe fitters and electricians will be working on 18 level.

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: SCOTT DUNN Date: 2/11/95

Page # 1

LOG SHEET

Date: 2/11/95

Project Number: 6486-012

Industrial Hygienist: SCOTT DUNN

Abatement Contractor/Supervisor: RETRO / DAVE GURECKI

Time	Remarks
0600	Arrive at job site and sign in w/Secret Service and obtain a "WORKER"
	badge. Take equipment to 8th Floor. Retro on site constructing
	minicontainments in Room 8001. Retro has constructed 2 mini-
	Containments where electricians will perform minor work. The asbestos
~~0650~~	spray on ceiling deck will not be disturbed.
0650	Air samples have been set up in Room 8001. Work begins at
	0715. Three more mini-containments will need to be constructed
	on the 1B level. Retro begins construction down there
0750	Air samples are set up in the 1B level while Retro constructs
	mini-containments
0820	UNION LIGHT and Power completes mini-containment #1
0900	UL+P complete their work. Area samples are collected at 0910
	The outside samples in Room 8001 are <0.01 f/cc. Will wait until
	1000 to collect inside samples (~450 Liters). Mobilize equipment
	to 1B Level.
1000-1300	Retro has completed containments in 1B level. Waiting for UL+P
	and ASCOA to perform their work. ASCOA is too busy to
	start work in Retro's mini containments. UL+P completes their work.
1300	ASCOA on lunch break
1400	ASCOA back from lunch break and continues work
1400-1530	ASCOA continues work throughout different areas in the building and
	finally work are the minicontainment areas. At 1530 work had been
	completed. Samples were analyzed by 1600
1615	Tracor off the job site

Tracor Technology Resources — Air Sample Sheet

Project # 6,4,8,6,-,0,1,1,2,4

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	16095	01	24	10	10	10	0650	0910	140	1400	4.5	100			<0.004
A	Notes: Room 8001 - MINI-Containment #1														
B	16195	02	11	2.5	2.5	2.5	0650	1000	190	475	1	100			<0.01
B	Notes: INSIDE MINICONTAINMENT #1														
C	16295	03	21	10	10	10	0700	0910	130	1300	5	100			<0.004
C	Notes: Room 8001 - MINICONTAINMENT #2														
D	16395	04	22	2.5	2.5	2.5	0700	100	180	450	1	100			<0.011
D	Notes: INSIDE MINICONTAINMENT #2														

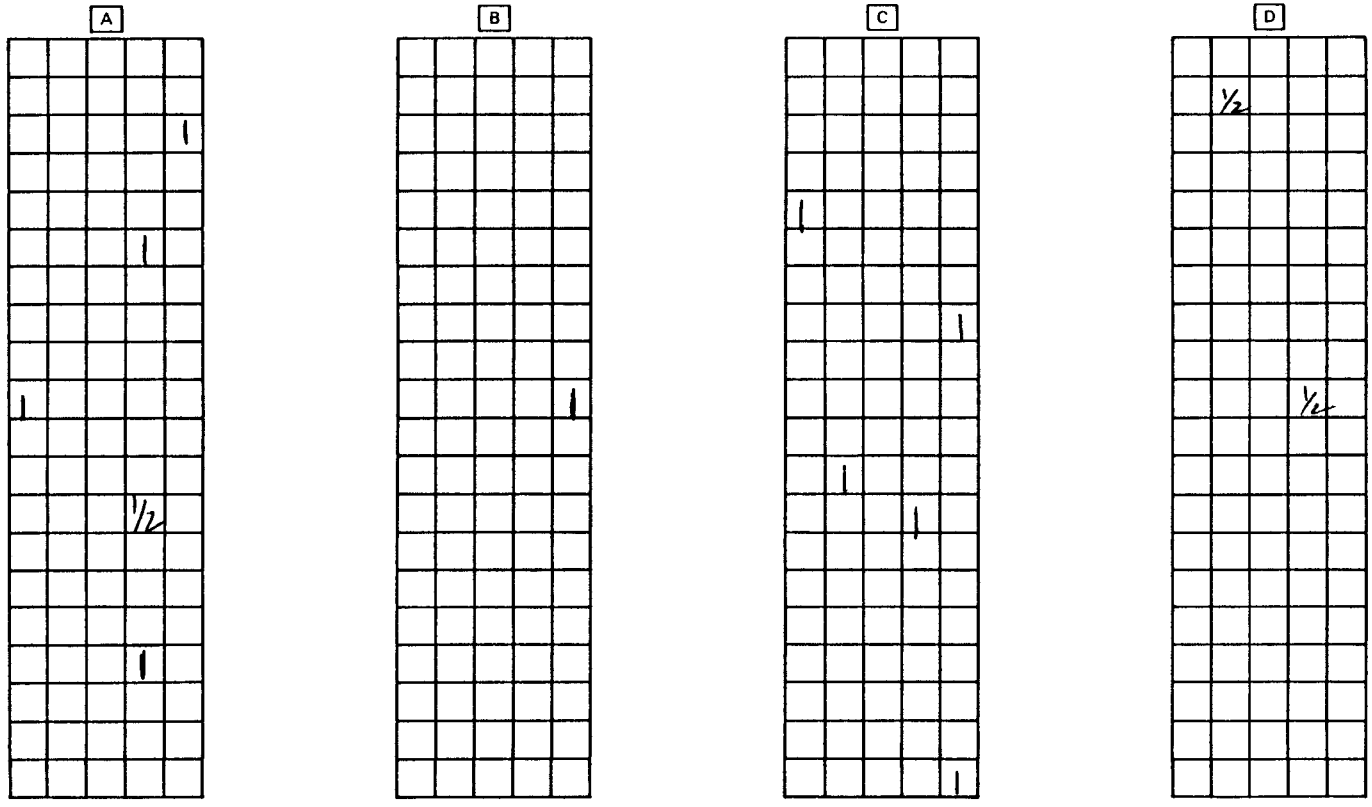
Field Area: (Check One)
- ☒ .00785
- ☐ .00754
- ☐ .00724
- ☐ .00801
- ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size
- ☒ 25 mm (385 sq mm)
- ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



SCOTT DUNN — FIELD TECH. 2/11/95 — DATE

DUNN — ANALYST 2/11/95 — DATE

Tracor Technology Resources — Air Sample Sheet

Project # 6486-012

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	16495	05	7601	10	10	10	0750	1235	285	2850	2.5	100			<0.002
A	Notes: Outside Room B-112														
B	16595	06	25	10	10	10	0750	1235	285	2850	5.5	100			<0.002
B	Notes: Outside Room B-208														
C	16695	07	0491	10	10	10	0755	1240	285	2850	4	100			<0.002
C	Notes: Outside Room B-235														
D	16795	08	25	10	10	10	1235	1535	180	1800	6	100			<0.003
D	Notes: Outside Room B 208														

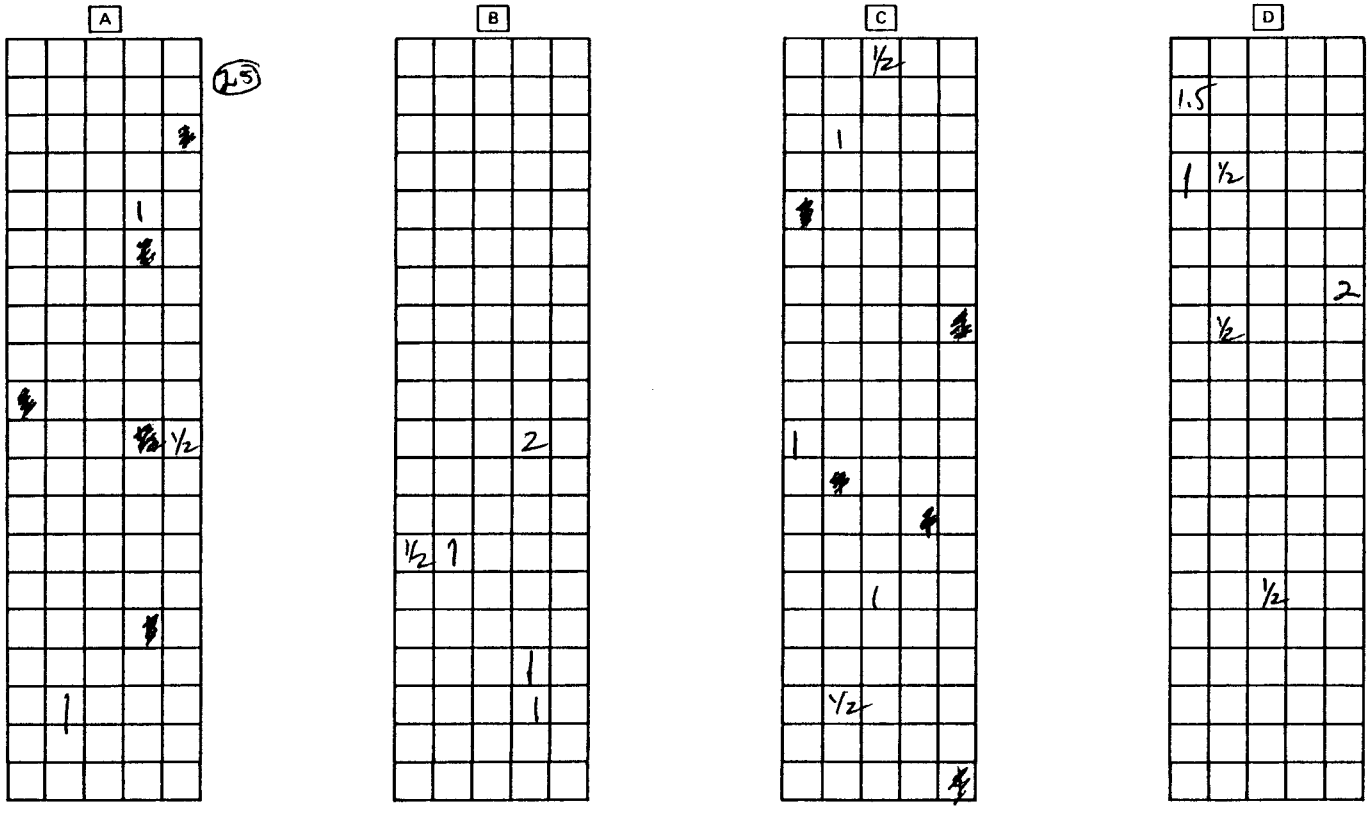
Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



Scott Dunn — FIELD TECH. — 2/11/95 DATE

Dunn — ANALYST — 2/11/95 DATE

Tracor Technology Resources — Air Sample Sheet

Project # 6486-012

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data Total Count	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	16895	009	0491	10	10	10	1240	1535	175	1750	3.5	100			<0.03
A	Notes: OUTSIDE Room B-235														
B															
B	Notes:														
C															
C	Notes:														
D															
D	Notes:														

Field Area (Check One): ☒ .00785 ☐ .00801 ☐ .00754 ☐ .00817 ☐ .00724

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size: ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A

			1/2	
	1			
	1/2			
				1
1/2				

B

C

D

SCOTT DUNN 2/11/95
FIELD TECH. DATE

D. DUNN 2/11/95
ANALYST DATE

Tracor Technology Resources — Air Sample Sheet

Project # 6,4,8,6,0,1,2

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	595	05									0	100			
A	Notes:		BLANK												
B	695	06									0	100			
B	Notes:		BLANK												
C															
C	Notes:														
D															
D	Notes:														

Field Area: (Check One) ☑ .00785 ☐ .00801 ☐ .00754 ☐ .00817 ☐ .00724

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☑ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A

0/100

B

0/100

C

D

FIELD TECH. 1/23/95 DATE ANALYST 1/23/95 DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 6486012

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	195	01		10.0	10.0	10.0	1945	2115	90	900	6	100	0	6	≤.005
A	Notes: Running Final – East of Work														
B	295	02		10.0	10.0	10.0	1945	2115	90	900	5.5	100	0	5.5	≤.005
B	Notes: Running Final – North of Work														
C	395	03		10.0	10.0	10.0	1945	2115	90	900	4	100	0	4	≤.005
C	Notes: Running Final – South of Work														
D	495	04		10.0	10.0	10.0	1945	2115	90	900	7.5	100	0	7.5	≤.005
D	Notes: Running Final – West of Work														

Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

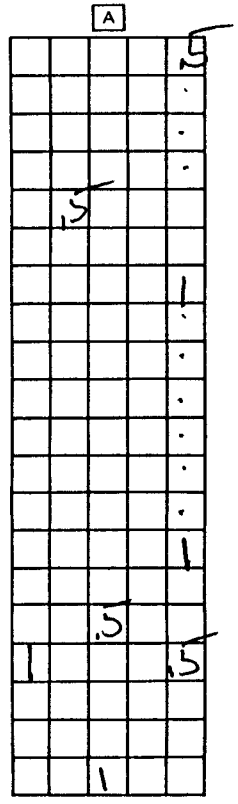
Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

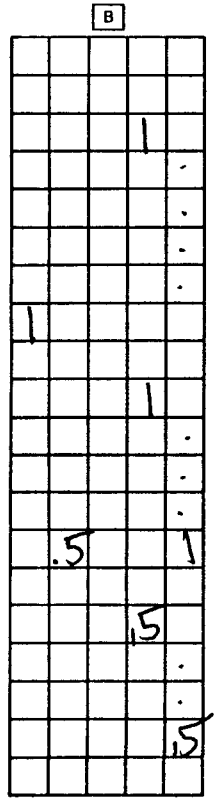
Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A



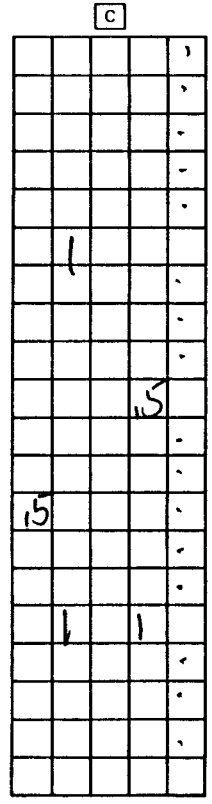
6/100

B



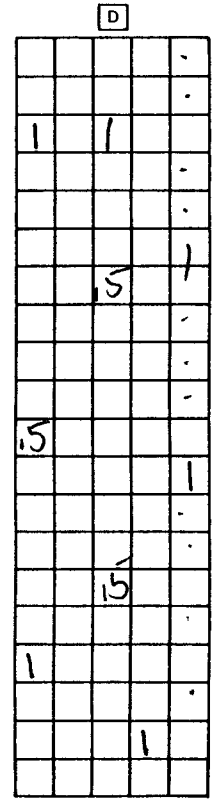
5.5/100

C



4/100

D



7.5/100

[redacted] 1/23/95 FIELD TECH. DATE

[redacted] 1/28/95 ANALYST DATE

Page # 1

LOG SHEET

Date: 1/23/95

Project Number: 6486-012

Industrial Hygienist: M. Brewer

Abatement Contractor/Supervisor: Retec - Ronald

Time	Remarks
MB ~~0700~~ 1900	On Site with Retec - we will Be Working in IB Garage Sucking 8-10 Spots
MB ~~0730~~ - 1930	In Garage i found 9 Spots to be Sucked. Workers Are Setting up mini-containment
MB ~~0745~~ - 1945	Samples Set
MB ~~0800~~ - 2000	Work Starts At this time
MB ~~0900~~ - 2100	Work is Completed At this time I will let Samples Run untill 0915 to Achieve 900 Liters
MB ~~0910~~ - 2110	Herb Pankey on Site
2200	Brewer off Site All Sample ≤ .005 f/cc

1/23/95

MB

Blank

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB

Project: 6486-012

Location: 1B Garage

Date: 1/23/95

Removal Contractor: Retco

Time Inspected: 0800

Monitoring Contractor: Teacor

Time Work Started: 0805

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	N/A	
	b. Decontamination Curtains	yes	
	c. Seals around ducts, windows and doors	N/A	
	d. Vertical and Horizontal Openings	N/A	
	e. "Microtrap" in use	yes	
	f. Negative pressure > .02"	yes	
2. Signage	a. Caution Signs at vestibule entry.	NO	
	b. OSHA SIGN (ASBESTOS)	yes	
	c. Dumpster, ducts, drums, and bags labelled	yes	

GSA ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	yes	
	e. Matarial Kept Wetted Until Bagged.	yes	
4. Worker Protection	a. Disposable Clothing Used One Time.	yes	
	b. Proper NIOSH respirators.	Disp ___ HEPA ✓ PAPR ___ TYP"C" ___	
	c. Proper Decontamination Sequence Followed	N/A	
5. Showers	a. Functioning?	N/A	
	b. Soap and Towels?	N/A	
	c. Used Each Departure?	N/A	
6. Work Habits In Work Area	a. No Smoking	yes	
	b. No Eating/Drinking	yes	

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

Workers Sucking 9 Spots off of Beams

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: [signature] Date: 1/23/95

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486-012

Location: 1B Garage Date: 1/23/95

Removal Contractor: Retro Time Started: 0700

Monitoring Contractor: Tracor Time Stopped: _____

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	N/A	
	b. Decontamination Curtains	yes	
	c. GLOVE BAG PROJ	N/A	
	d. Seals around ducts, windows and doors	N/A	
	e. "Negative air machine" in use	yes	
	f. Negative pressure > ~~.03"~~ .02"	yes	
2. Signage	a. Caution Signs at vestibule entry.	NO	
	b. OSHA SIGN (ASBESTOS)	yes	
	c. Dumpster, ducts, drums, and bags labelled	yes	
3. Work Practices	a. Hammers, saws, etc. NOT in use.	yes	
	b. Removed Material Promptly Bagged.	yes	
	c. Debris Stored in removal area.	yes	

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	yes	
	e. Material Kept Wetted Until Bagged.	yes	
4. Worker Protection	a. Disposable Clothing Used One Time.	yes	
	b. Proper NIOSH respirators.	Disp ___ HEPA yes PAPR ___ TYP"C" ___	
	c. Proper Decontamination Sequence Followed	N/A	
5. Showers	a. Functioning?	N/A	
	b. Soap and Towels?	N/A	
	c. Used Each Departure?	N/A	
6. Work Habits In Work Area	a. No Smoking	yes	
	b. No Eating/Drinking	yes	

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

Workers Sucking a Spot off of Beams

Report Prepared By: [signature] Date: 1/23/95

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: 6486-012

Location: 1B Garage Date: 1/23/95

Removal Contractor: Retco Time Inspected: _____

Monitoring Contractor: TRACOR Time Completed: _____

FINAL INSPECTION: The final inspection shall consist of a walkthrough inspection conducted by the IH contractor IH. He may at times be accompanied by the Contracting Officer's Representative or a designee, a GSA Safety and Environmental Management representative, the IH contract's Certified Industrial Hygienist, the asbestos abatement contractor, a state or local government representative, the abatement contractor's Industrial Hygienist, a tenant Agency Representative, or another interested party.

OBJECTIVE: The objective is to assure that the ASBESTOS has been removed or abated as required in the CONTRACT. All parties should familiarize themselves with the provisions of the contract and the "Asbestos Removal/Abatement Scope of Work." This checklist is to serve as a guide for the final inspection.

Activity to be Checked		Within Limits	Problem Encountered
1. Residual Dust on:			
(below eye level)	a. Floor.	yes	
	b. Horizontal Surfaces.	yes	
	c. Pipes.	yes	
	d. Ventilation Equipment.	N/A	
(above eye level)	e. Horizontal surfaces.	yes	
	f. Pipes.	yes	
	g. Ductwork.	N/A	
	h. Registers	MJB yes N/A	
	i. Lights.	yes	

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

As any dust found in the removal area is likely to be asbestos contaminated, in cases of dispute, a small quantity of material may be sent to a designated laboratory for analysis.

FINAL AIR SAMPLING:

If all other tests and situations appear to be satisfactory, the final air tests will be taken.

Serial Number:	01	02	03	04	
Location:					
Volume (Liters):	900	900	900	900	
Flow rate: (Liters/Minute)	10.0	10.0	10.0	10.0	
Fibers/Filter:	6	5.5	4	7.5	
Fibers/Cubic Cm:	≤.005	≤.005	≤.005	≤.005	

ANALYST ANALYZING SAMPLES: [signature] DATE: 1/23/95

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

Report Prepared By: [signature] Date: 1/23/95

REPORT REVIEWED BY: _____ DATE: _____

Page #_____

LOG SHEET

Date: 1/28/95

Project Number: 6486 012

Industrial Hygienist: Chris Charuhas

Abatement Contractor/Supervisor: Retro/ Ron

Time	Remarks
0600	Arrive on site, told by security that there would be no asbestos work that day. Office was not informed beforehand.

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486 012

Location: _____ Date: 1/28

Removal Contractor: Retro Time Started: _____

Monitoring Contractor: Tracor Time Stopped: _____

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	No asbestos work done 1/28.	
	b. Decontamination Curtains	Office not informed beforehand.	
	c. GLOVE BAG PROJ		
	d. Seals around ducts, windows and doors		
	e. "Negative air machine" in use		
	f. Negative pressure > .03"		
2. Signage	a. Caution Signs at vestibule entry.		
	b. OSHA SIGN (ASBESTOS)		
	c. Dumpster, ducts, drums, and bags labelled		
3. Work Practices	a. Hammers, saws, etc. NOT in use.		
	b. Removed Material Promptly Bagged.		
	c. Debris Stored in removal area.		

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	_____	_____
	e. Material Kept Wetted Until Bagged.	_____	_____
4. Worker Protection	a. Disposable Clothing Used One Time.	_____	_____
	b. Proper NIOSH respirators.	Disp____ HEPA____ PAPR____ TYP"C"____	_____ _____ _____ _____
	c. Proper Decontamination Sequence Followed	_____	_____
5. Showers	a. Functioning?	_____	_____
	b. Soap and Towels?	_____	_____
	c. Used Each Departure?	_____	_____
6. Work Habits In Work Area	a. No Smoking	_____	_____
	b. No Eating/Drinking	_____	_____

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

_____

_____

_____

_____

Report Prepared By: [illegible] Date: 1/28/93

Tracor Technology Resources — **Air Sample Sheet**

Project # 6486012

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data Total Count	Count Data Fields Counted	Count Data Blank Count	Count Data Net Count	Fibers Per cc
A	1745	1	23	2.5	2.5	2.5	2115	0400	405	1013	3	100	0	3	<.005
A	Notes: East of North Mini-Cont. 1B W. of Garage														
B	1895	2	31	2.5	2.5	2.5	2115	0400	405	1013	2.5	100	0	2.5	<.005
B	Notes: NW of Mini-Containment 1B W of Garage														
C	1995	3	30	2.5	2.5	2.5	2115	0400	405	1013	2	100	0	2	<.005
C	Notes: W of North Mini Containment 1B West of Garage														
D	2095	4	22	2.5	2.5	2.5	2115	0400	405	1013	5	100	0	5	<.005
D	Notes: N of South Mini Containment 1B SW of Garage														

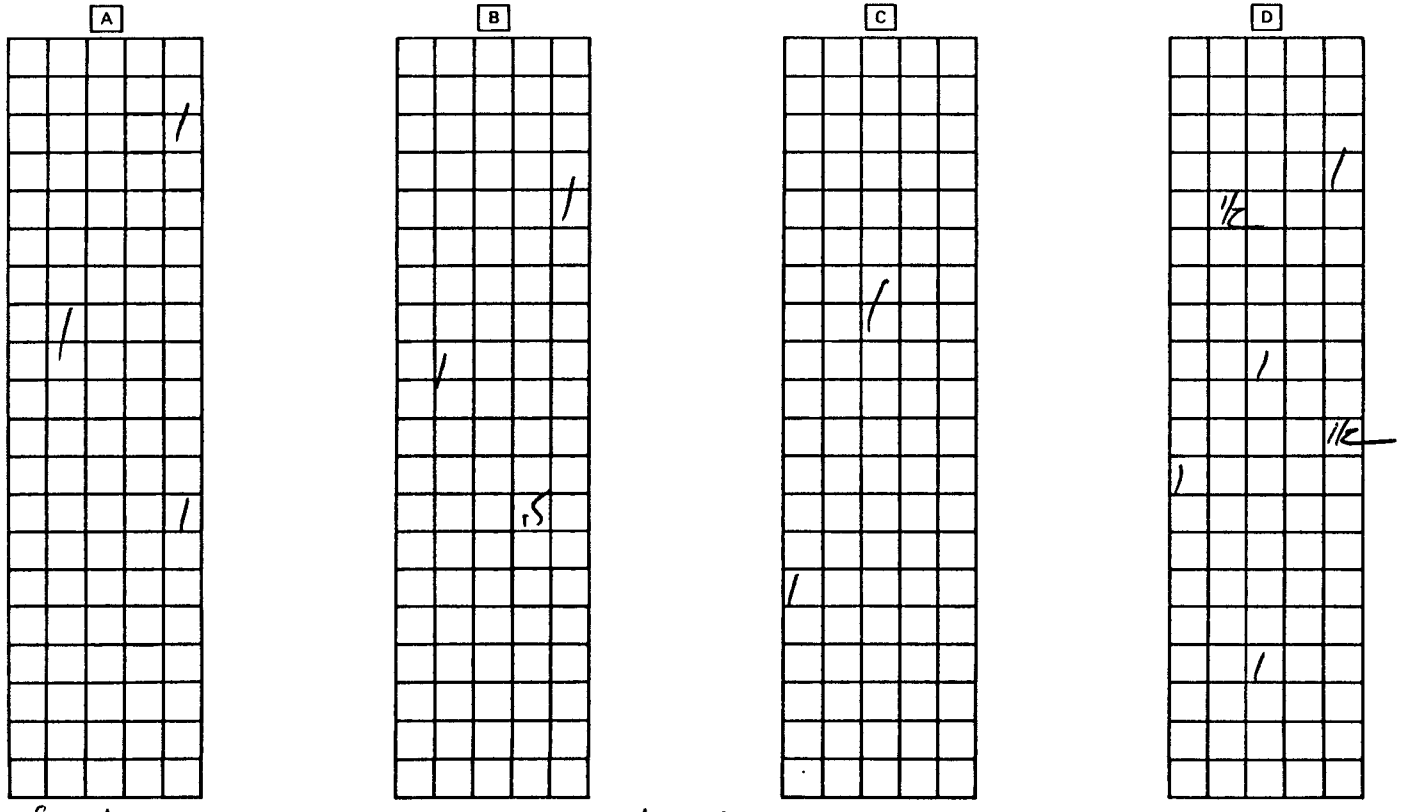
Field Area: (Check One) ☑ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre + Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☑ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{\text{(Net Count/100) x Filter Area}}{\text{Field Area x Volume x 1000}}$



Golombiesk. 1-30-95
FIELD TECH. DATE

Golombiesk 1-31-95
ANALYST DATE

Tracor Technology Resources — Air Sample Sheet

Project # 6486012

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	2195	5	24	2.5	2.5	2.5	2115	0400	405	1013	1.5	100	0	1.5	<1005
A	Notes: East & South Mini Containment 1B SW of Garage														
B	2295	6	→							→	0	100	0	0	—
B	Notes:														
C	2395	7	→							→	0	100	0	0	—
C	Notes:														
D															
D	Notes:														

Field Area (Check One): ☐ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

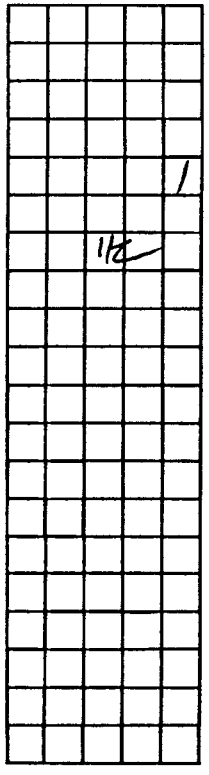
Filter Size: ☐ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A



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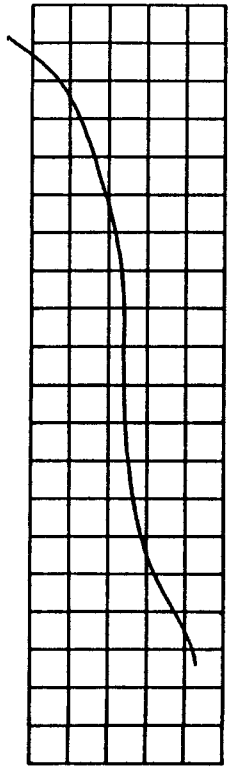

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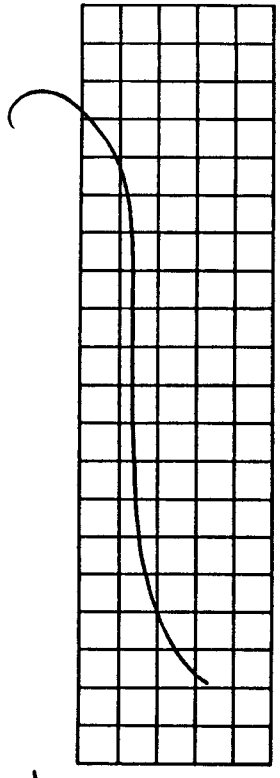

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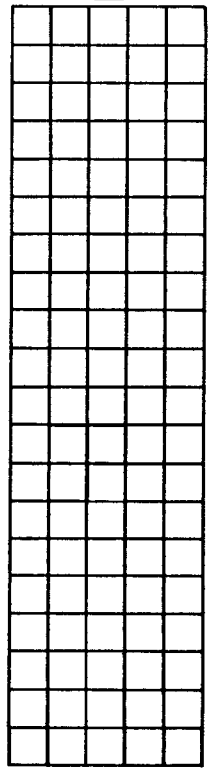

Golomlyski 1-30-95
FIELD TECH. DATE

Golomlyski 1-31-95
ANALYST DATE

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NE03 Project: 6486-0129A

Location: 1B Date: 1-30-95

Removal Contractor: RETRO Time Started: 1900

Monitoring Contractor: TTR Time Stopped: 0500

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. ~~GLOVE BAG PROJ~~ MINI - CONTAINMENT	✓	
	d. Seals around ducts, windows and doors	N/A	
	e. "Negative air machine" in use	↓	
	f. Negative pressure > .03"	✓	
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, saws, etc. NOT in use.	N/A	
	b. Removed Material Promptly Bagged.	N/A	
	c. Debris Stored in removal area.	N/A	

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	N/A	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ✓ HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	N/A	
5. Showers	a. Functioning?	✓	
	b. Soap and Towels?	✓	
	c. Used Each Departure?	✓	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

No Removal Taking Place

Filter Working Above Ceiling

Mini-Containments Set up

Report Prepared By: Golombieski Date: 1-30-95

LOG Sheet

Date January 30, 1995

Job #/Location 6486-012A NEOB 1B

Abatement Contractor/Supervisor Retro Enviro. / Ronald

1845 John Golombieski on site for TTR.

1910 Retro + Automatic on-site + ready to go to 1B where work will be being conducted

1930 I entered Grunley's office + there is no equipment for me to use this evening. My office failed to inform me that the man from this weekend did not leave the equipment that he was supposed to. I call M Brower for some peer advise + we agreed that I must go to Rockville + get equipment

2105 Arrive back on site. Automatic working in a non-ACM area for now. I set up the area sample around the 2 mini containments that Retro constructed while I was gone.

2230 Crew Goes a lunch break

2330 Crew begins work in mini containment

2430 Crew continues work above ceiling in mini containments

0130 Crew takes break

0200 Crew returns to work

0300 Crew continues work above ceiling in mini containment

0400 I pulled the five samples will prep + read + consider samples as running finals.

0500 Off site for the night.

Tracor Technology Resources — **Air Sample Sheet**

Project # 6486012

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	24295	08	12	2.5	2.5	2.5	1935	0250	435	1087.5	5.5	100	0	5.5	≤.005
A	Notes: ON TOP OF CANDY MACHINE														
B	24395	09	19	2.5	2.5	2.5	1935	0250	435	1087.5	4.5	100	0	4.5	≤.005
B	Notes: BETWEEN TWO MINI'S IN EYEWASH STATION														
C	24495	10	5113	2.5			1935								VOID
C	Notes: ON TOP OF FIRST C SODA MACHINE														
D	24595	11	5112	2.5	2.5	2.5	1935	0250	435	1087.5	4	100	0	4	≤.005
D	Notes: Next TO STAIRWAY														

Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre + Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

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4.5/100

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[signature] FIELD TECH. 1/31/95 DATE

[signature] ANALYST 2/6/95 DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 6,4,8,6,0,1,2

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	24695	12	22	2.5	2.5	2.5	1935	0250	435	10875	5	100	0	5	<.005
A	Notes: ON DOOR Between Vending MACHINES & STAIRWAY														
B	24795	13									0	100			
B	Notes: BLANK														
C	24995	14									0	100			
C	Notes: BLANK														
D															
D	Notes:														

Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A: 5/100

B: 0/100

C: 0/100

D:

FIELD TECH. — DATE 1/31/95

ANALYST — DATE 2/1/95

Tracor Technology Resources **Air Sample Sheet**

Project # 6486012

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data Total Count	Count Data Fields Counted	Count Data Blank Count	Count Data Net Count	Fibers Per cc
A	25395	05									0	100			
A	Notes:		BLANK												
B	25495	06									0	100			
B	Notes:		BLANK												
C															
C	Notes:														
D															
D	Notes:														

Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre + Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{\text{(Net Count/100) x Filter Area}}{\text{Field Area x Volume x 1000}}$

A B C D

0/100

0/100

FIELD TECH. 2/7/95 DATE

ANALYST 2/8/95 DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 6.4.8.6.0.1.2.

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	24995	01	21	2.5	2.5	2.5	1940	0310	450	1125	5	100	0	5	E.005
A	Notes: ON Carpenters Tool Box / Outside Entrance to Enclosure														
B	25095	02	10	2.5	2.5	2.5	1940	0310	450	1125	8.5	100	0	8.5	E.005
B	Notes: ON Vending Machine By Entrance to Enclosure														
C	25195	03	11	2.5	2.5	2.5	1940	0315	455	1137.5	6.5	100	0	6.5	E.004
C	Notes: ON Door 225 / By NAFD Exhaust														
D	25295	04	22	2.5	2.5	2.5	1940	0315	455	1137.5	6	100	0	6	E.004
D	Notes: ON Door 226 / By NAFD Exhaust														

Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

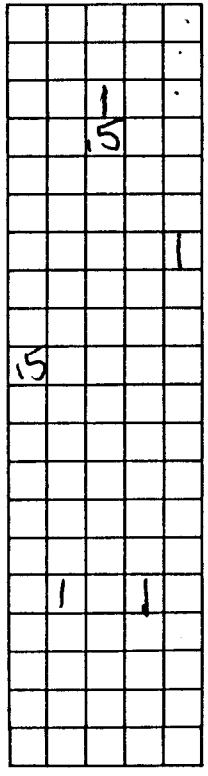
Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

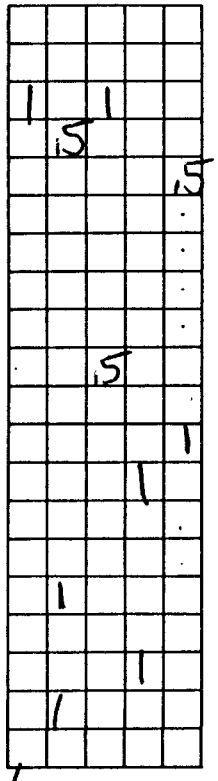
Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A



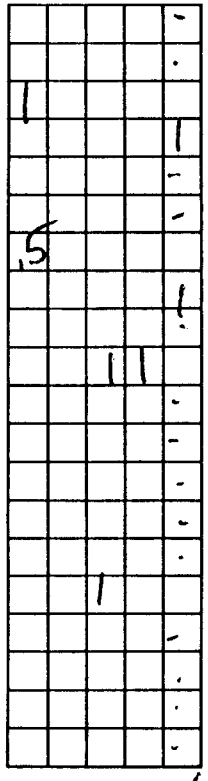
5/100

B



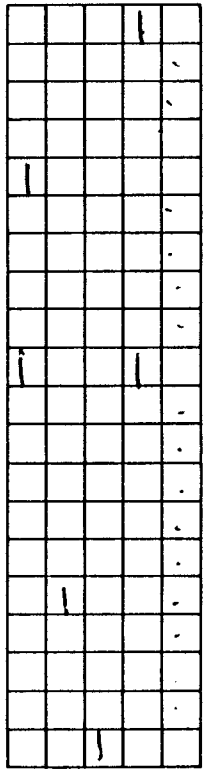
8.5/100

C



6.5/100

D



6/100

[redacted] 2/7/95
FIELD TECH. DATE

[redacted] 2/8/95
ANALYST DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 6486012

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data Total Count	Count Data Fields Counted	Count Data Blank Count	Count Data Net Count	Fibers Per cc
A	25595	01	5113	2.5	2.5	2.5	1945	0230	405	1012.5	6.5	100	–	6.5	≤.005
A	Notes:		1B/S	N of Mini			Hallway		Loading Dock				R.F.		
B	25695	02	16	2.5	2.5	2.5	1945	0230	405	1012.5	2	100	–	2	≤.005
B	Notes:		1B/S	E of Mini			Hallway		Loading Dock				R.F		
C	25795	03	22	2.5	2.5	2.5	1945	0230	405	1012.5	4	100	–	4	≤.005
C	Notes:		1B/S	NE of Mini			Hallway		Loading Dock				R.F.		
D	25895	04	5112	2.5	2.5	2.5	1945	0230	405	1012.5	9	100	–	9	≤.005
D	Notes:		1B/S	SW of Mini			Hallway		Loading Dock				R.F.		

Field Area: (Check One) ☑ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre + Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☑ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{\text{(Net Count/100) x Filter Area}}{\text{Field Area x Volume x 1000}}$

A

			1	
		1		
	1			
				1/2
			1	
	1			
			1	

B

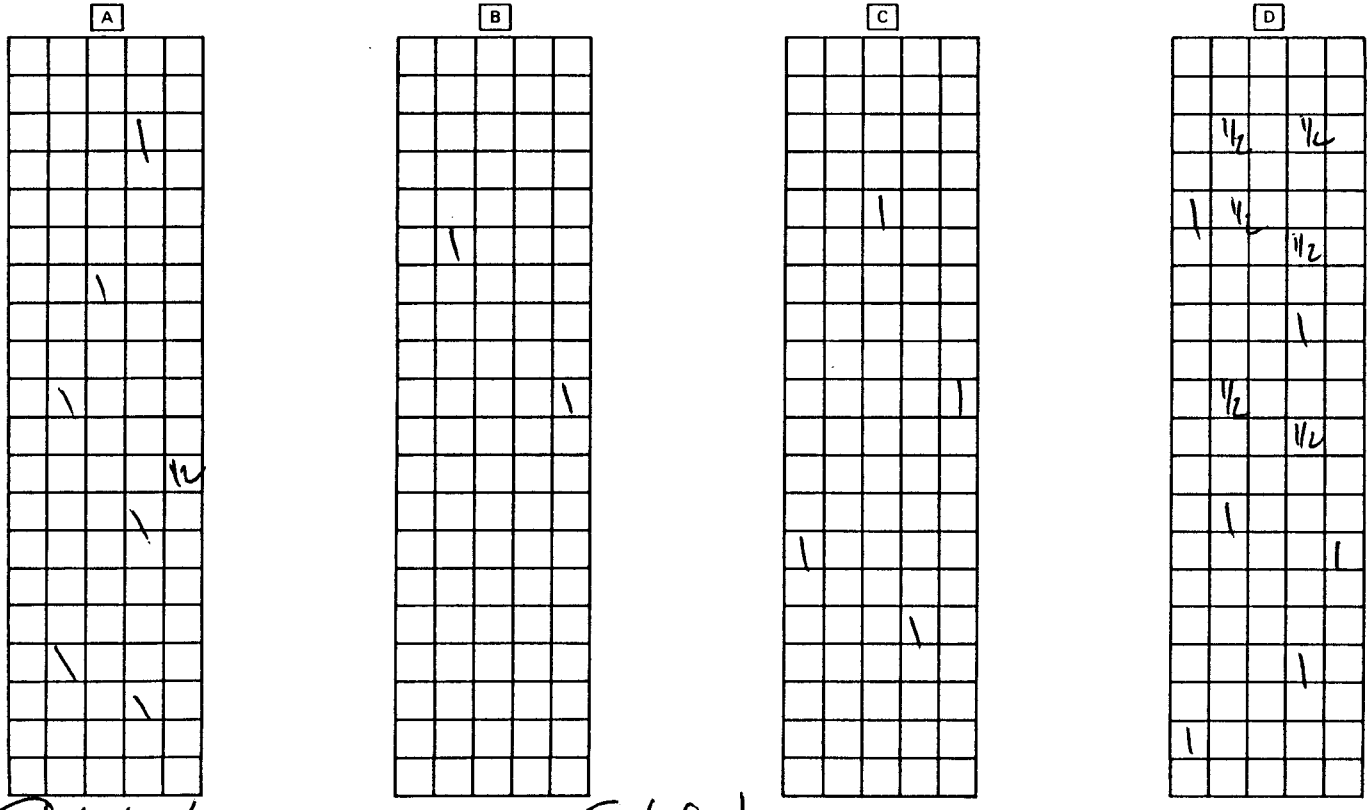
	1			
				1

C

		1		
				1
1				
			1	

D

	1/2		1/2	
1	1/2			
			1/2	
			1	
	1/2			
			1/2	
	1			
				1
			1	
1				



Golombieski 2-9-95
FIELD TECH. DATE

Golombieski 2-10-95
ANALYST DATE

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB

Project: 6486-012

Location: 1B

Date: 1/31/95

Removal Contractor: Retro

Time Inspected: 1915

Monitoring Contractor: TRACOR

Time Work Started: 1930

Inspection Catagory	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	yes	
	b. Decontamination Curtains	yes	
	c. Seals around ducts, windows and doors	N/A	
	d. Vertical and Horizontal Openings	yes	
	e. "Microtrap" in use	N/A	
	f. Negative pressure > .02"	N/A	
2. Signage	a. Caution Signs at vestibule entry.	NO	
	b. OSHA SIGN (ASBESTOS)	yes	
	c. Dumpster, ducts, drums and bags labelled	yes	

GSA ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Catagory	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	yes	
	e. Matarial Kept Wetted Until Bagged.	N/A	
4. Worker Protection	a. Disposable Clothing Used One Time.	yes	
	b. Proper NIOSH respirators.	Disp ___ HEPA ✓ PAPR ___ TYP"C" ___	
	c. Proper Decontamination Sequence Followed	N/A	
5. Showers	a. Functioning?	N/A	
	b. Soap and Towels?	N/A	
	c. Used Each Departure?	N/A	
6. Work Habits In Work Area	a. No Smoking	yes	
	b. No Eating/Drinking	yes	

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

Two Mini Enclosures/No Decon OR Negative Pressure

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: [illegible] Date: 1/31/95

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB

Project: 6486-012

Location: 1B

Date: 1/31/95 & 2/1/95

Removal Contractor: RETRO

Time Started: 1900 - 1/31/95

Monitoring Contractor: TRACOR

Time Stopped: 0500 - 2/1/95

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	yes	
	b. Decontamination Curtains	Yes	
	c. GLOVE BAG PROJ	NO	
	d. Seals around ducts, windows and doors	N/A	
	e. "Negative air machine" in use	N/A	
	f. Negative pressure > .03"	N/A	
2. Signage	a. Caution Signs at vestibule entry.	NO	
	b. OSHA SIGN (ASBESTOS)	yes	
	c. Dumpster, ducts, drums, and bags labelled	yes	
3. Work Practices	a. Hammers, saws, etc. NOT in use.	yes	
	b. Removed Material Promptly Bagged.	N/A	
	c. Debris Stored in removal area.	yes	

GSA ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	YES	
	e. Material Kept Wetted Until Bagged.	N/A	
4. Worker Protection	a. Disposable Clothing Used One Time.	YES	
	b. Proper NIOSH respirators.	Disp ___ HEPA ✓ PAPR ___ TYP"C" ___	
	c. Proper Decontamination Sequence Followed	N/A	
5. Showers	a. Functioning?		
	b. Soap and Towels?		
	c. Used Each Departure?		
6. Work Habits In Work Area	a. No Smoking	YES	
	b. No Eating/Drinking	YES	

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

TWO MINI ENCLOSURES / NO DECON OR NEGATIVE PRESSURE

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: [signature] Date: 1/31/95

Page # 1

LOG SHEET

Date: JANUARY 31ST & FEBRUARY 1ST 1995

Project Number: 6486-017

Industrial Hygienist: M. BROWER

Abatement Contractor/Supervisor: RETRO / RONALD

Time	Remarks
1900-	ON Site with Retro & Fitters - Fitters will be WORKING Above ceiling in two AREAS tonight / No Disturbance of Asbestos. Two Mini Enclosures ARE to be built - No Decon or Negative Pressure / Just Flapped Door
1930-	Pumps Running At 1935 Hrs - Retro Has one Enclosure up & WORKING ON THE NEXT.
2000-	Fitters Ask For ONE MORE Mini So they can Cut hole in Ceiling - No Asbestos Ceiling - I HAVE Retro Build Mini with NAFD To Filter Dust As Not to overload MY Samples
2100-	Work Continues
2200-	Work Continues No Problems Encountered.
2400-	Fitters Having A Hard time Due to low Clearance Above Ceiling
0100-	Work Continues
0200-	Work Continues
0230-	Workers take Break
0330-	Work Continues
0430-	Inspect Containment looks Good - All Samples were ~~Abov~~ below .01 f/cc
0500-	Brower off Site

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: 6486-012

Location: 1B Date: 2/1/95

Removal Contractor: RETRO Time Inspected: 0435

Monitoring Contractor: TRACOR Time Completed: 0445

FINAL INSPECTION: The final inspection shall consist of a walkthrough inspection conducted by the IH contractor IH. He may at times be accompanied by the Contracting Officer's Representative or a designee, a GSA Safety and Environmental Management representative, the IH contract's Certified Industrial Hygienist, the asbestos abatement contractor, a state or local government representative, the abatement contractor's Industrial Hygienist, a tenant Agency Representative, or another interested party.

OBJECTIVE: The objective is to assure that the ASBESTOS has been removed or abated as required in the CONTRACT. All parties should familiarize themselves with the provisions of the contract and the "Asbestos Removal/Abatement Scope of Work." This checklist is to serve as a guide for the final inspection.

Activity to be Checked		Within Limits	Problem Encountered
1. Residual Dust on:			
(below eye level)	a. Floor.	yes	
	b. Horizontal Surfaces.	yes	
	c. Pipes.	N/A	
	d. Ventilation Equipment.	N/A	
(above eye level)	e. Horizontal surfaces.	yes	
	f. Pipes.	N/A	
	g. Ductwork.	N/A	
	h. Registers	yes	
	i. Lights.	yes	

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

As any dust found in the removal area is likely to be asbestos contaminated, in cases of dispute, a small quantity of material may be sent to a designated laboratory for analysis.

FINAL AIR SAMPLING:

If all other tests and situations appear to be satisfactory, the final air tests will be taken.

Serial Number:	08	09	10	11	12
Location:					
Volume (Liters):	1087.5	1087.5		1087.5	1087.5
Flow rate: (Liters/Minute)	2.5	2.5	2.5	2.5	2.5
Fibers/Filter:	5.5	4.5	VOID	4	5
Fibers/Cubic Cm:	≤	≤	# 4	≤	≤

ANALYST ANALYZING SAMPLES: [signature] DATE: 2/1/95

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

Area Samples to be Used As Running Finals - Both Mini Enclosures were Inspected Prior to Tear Down.

Report Prepared By: [signature] Date: 2/1/95

REPORT REVIEWED BY: _____ DATE: _____

Tracor Technology Resources — **Air Sample Sheet**

Project # 648601 2

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	14395	1	5113	2.5	4	11	2045	0300	375	937.5	5	100	—	5	<.01
A	Notes: Basement Hallway - 1B														
B	14495	2	16	2.5	11	11	2045	0300	VOID				—		
B	Notes: Basement Hallway - 1B														
C	14595	3	5112	2.5	11	11	2045	0300	375	937.5	16.5	100	—	16.5	<.01
C	Notes: Basement Hallway - 1B														
D	14695	4	22	2.5	11	11	2045	0300	375	937.5	8.5	100	—	8.5	<.01
D	Notes: Basement Hallway - 1B														

Field Area: (Check One) ☐ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Calculations: Mean Flow = $\frac{Pre + Post}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☐ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A

			.5	
	1			
				1
			1	
		.5		
				1

B

				2
1			1	
				1
			1	
VOID				

C

1				
1				
		1	1	
	2.5			
				1
		1		
			.5	
	1			
	.5		1	
				.5
1				
		1		
1				.5

D

1				
1.5			1	
		1		
	.5			
			1	
			1	
				.5
1				

2/2/95
FIELD TECH. DATE

2/2/95
ANALYST DATE

Page # 1

LOG SHEET

Date: 2/1 - 2/2/95

Project Number: 6486 012

Industrial Hygienist: Chris Charuhas

Abatement Contractor/Supervisor: Retro / Ron

Time	Remarks
1900	Arrive on site
1930	PipeFitters and Retro arrive
1950	Mini-containments being constructed in hallway of 1B
2045	Work begins. pumps switched on
2100	PipeFitters in ceiling
2200	Work continuing
2300	" "
2400	" "
0100	" "
0230	Lunch break
0300	Work resumes on installing sprinkler system
	Pumps switched off
0400	PipeFitters winding down
0500	Work ends

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: MEOB Project: 6486012

Location: Basement 1B Date: 2/1 - 2/2/95

Removal Contractor: Retro Time Inspected: _____

Monitoring Contractor: Tracor Time Work Started: _____

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	Mini-containments constructed - no decon or negative air	
	b. Decontamination Curtains		
	c. Seals around ducts, windows and doors		
	d. Vertical and Horizontal Openings		
	e. "Microtrap" in use		
	f. Negative pressure > .02"		
2. Signage	a. Caution Signs at vestibule entry.		
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled		

GSA ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	_____	_____
	e. Material Kept Wetted Until Bagged.	_____	_____
4. Worker Protection	a. Disposable Clothing Used One Time.	_____	_____
	b. Proper NIOSH respirators.	Disp____ HEPA____ PAPR____ TYP"C"____	_____ _____ _____ _____
	c. Proper Decontamination Sequence Followed	_____	_____
5. Showers	a. Functioning?	_____	_____
	b. Soap and Towels?	_____	_____
	c. Used Each Departure?	_____	_____
6. Work Habits In Work Area	a. No Smoking	_____	_____
	b. No Eating/Drinking	_____	_____

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

_____

_____

_____

_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: [signature] Date: 2/1/95

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486 012

Location: Basement 1B Date: 2/1-2/2/95

Removal Contractor: Retro Time Started: 1950

Monitoring Contractor: Tracor Time Stopped: _____

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	Mini containments constructed- no decon,	
	b. Decontamination Curtains	no negative pressure	
	c. GLOVE BAG PROJ		
	d. Seals around ducts, windows and doors		
	e. "Negative air machine" in use		
	f. Negative pressure > .03"		
2. Signage	a. Caution Signs at vestibule entry.		
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled		
3. Work Practices	a. Hammers, saws, etc. NOT in use.		
	b. Removed Material Promptly Bagged.		
	c. Debris Stored in removal area.		

GSA ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Catagory	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	_____	_____
	e. Material Kept Wetted Until Bagged.	_____	_____
4. Worker Protection	a. Disposable Clothing Used One Time.	_____	_____
	b. Proper NIOSH respirators.	Disp____ HEPA____ PAPR____ TYP"C"____	_____ _____ _____ _____
	c. Proper Decontamination Sequence Followed	_____	_____
5. Showers	a. Functioning?	_____	_____
	b. Soap and Towels?	_____	_____
	c. Used Each Departure?	_____	_____
6. Work Habits In Work Area	a. No Smoking	_____	_____
	b. No Eating/Drinking	_____	_____

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

_____

_____

_____

_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: _____ Date: 2/1/95

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: 6486012

Location: Basement 1B Date: 2/1-2/2/95

Removal Contractor: Retro Time Inspected: 0445

Monitoring Contractor: Tracor Time Completed: 0455

FINAL INSPECTION: The final inspection shall consist of a walkthrough inspection conducted by the IH contractor IH. He may at times be accompanied by the Contracting Officer's Representative or a designee, a GSA Safety and Environmental Management representative, the IH contract's Certified Industrial Hygienist, the asbestos abatement contractor, a state or local government representative, the abatement contractor's Industrial Hygienist, a tenant Agency Representative, or another interested party.

OBJECTIVE: The objective is to assure that the ASBESTOS has been removed or abated as required in the CONTRACT. All parties should familiarize themselves with the provisions of the contract and the "Asbestos Removal/Abatement Scope of Work." This checklist is to serve as a guide for the final inspection.

Activity to be Checked		Within Limits	Problem Encountered
1. Residual Dust on:			
(below eye level)	a. Floor.	✓	
	b. Horizontal Surfaces.	✓	
	c. Pipes.	n/A	
	d. Ventilation Equipment.	n/A	
(above eye level)	e. Horizontal surfaces.	✓	
	f. Pipes.	n/A	
	g. Ductwork.	n/A	
	h. Registers	n/A	
	i. Lights.	✓	

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

As any dust found in the removal area is likely to be asbestos contaminated, in cases of dispute, a small quantity of material may be sent to a designated laboratory for analysis.

FINAL AIR SAMPLING:

If all other tests and situations appear to be satisfactory, the final air tests will be taken.

Serial Number:	5113	18	5112	22	
Location:	1B Hallway				
Volume (Liters):	937.5				
Flow rate: (Liters/Minute)	2.5				
Fibers/Filter:	5	VOID	16.5	8.5	
Fibers/Cubic Cm:	<.01		<.01	<.01	

ANALYST ANALYZING SAMPLES: [signature] DATE: 2/2/95

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

Area samples function as finals. Mini-containments inspected before torn down

Report Prepared By: [signature] Date: 2/2/95

REPORT REVIEWED BY: _____ DATE: _____

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486-012

Location: 1B Level Date: 2/2/95 - 2/3/95

Removal Contractor: RETRO Time Started: 1900

Monitoring Contractor: TRACOR Time Stopped: 0304

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	N/A	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	N/A	
	f. Negative pressure > .03"	N/A	
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	N/A	
3. Work Practices	a. Hammers, saws, etc. NOT in use.	N/A	
	b. Removed Material Promptly Bagged.	N/A	
	c. Debris Stored in removal area.	N/A	

GSA ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Catagory	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	N/A	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ___ HEPA ✓ PAPR ___ TYP"C" ___	
	c. Proper Decontamination Sequence Followed	N/A	
5. Showers	a. Functioning?	✓	
	b. Soap and Towels?	✓	
	c. Used Each Departure?	✓	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Scott Dunn Date: 2/3/95

Page #_____

LOG SHEET

Date: 2 FEBRUARY 1994

Project Number: 6486-012

Industrial Hygienist: SCOTT DUNN

Abatement Contractor/Supervisor: RETRO / RON

Time	Remarks
1900	Arrive at job site. No fitters nor Retro on site. Checked in and
	waited for workers at the 1B Level.
1920	Workers arrive at 1B Level and begin setting up mini containment
	and fitter setup their equipment.
2030	Workers have entered the minienclosure to perform work. No removal
	is to take place tonight.
2130	Workers (Automatic) open an access panel directly above one of the air
	samples. Workers are above the ceiling installing sprinkler system.
2250	Fitters are not on Level 1B - must be on lunch break.
2350	Pipe fitters are cutting pipe and transferring to workers above the
	false ceiling
2415	Retro supervisor informs me that ASCCA will be finished
	at no later than 0200 and will do more work in the garage
	where there is concrete deck and NO ACM.
0100	Fitters are transferring piping to NE corner of 1B Parking garage.
0200	Collect air samples. All, except one in transformer vault analyzed.
	This room was locked. The two area air samples resulted in <0.01 f/cc
	and will also be used as a clearance sample.
0235	Will not be able to collect the last sample from the
	transformer vault. Will collect pump on Saturday (#21) pump.
0245	Tracor leaves job site

Tracor Technology Resources — Air Sample Sheet

Project # 6486-01 Z

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	14795	01	11	2.5	2.5	2.5	1940	0200	380	950	3.0	100	0	3.0	<0.01
A	Notes: Level 1B - Snack Machine Area														
B	14895	02	12	2.5	2.5	2.5	1940	0200	380	950	3.5	100	0	3.5	<0.01
B	Notes: Level 1B AT Fire Extinguisher + Water Fountain														
C	14995	03	19	2.5			1940								Pump
C	Notes: LEVEL 1B - TRANSFORMER ROOM														STOLEN
D	15095	04											0		
D	Notes: BLANK														

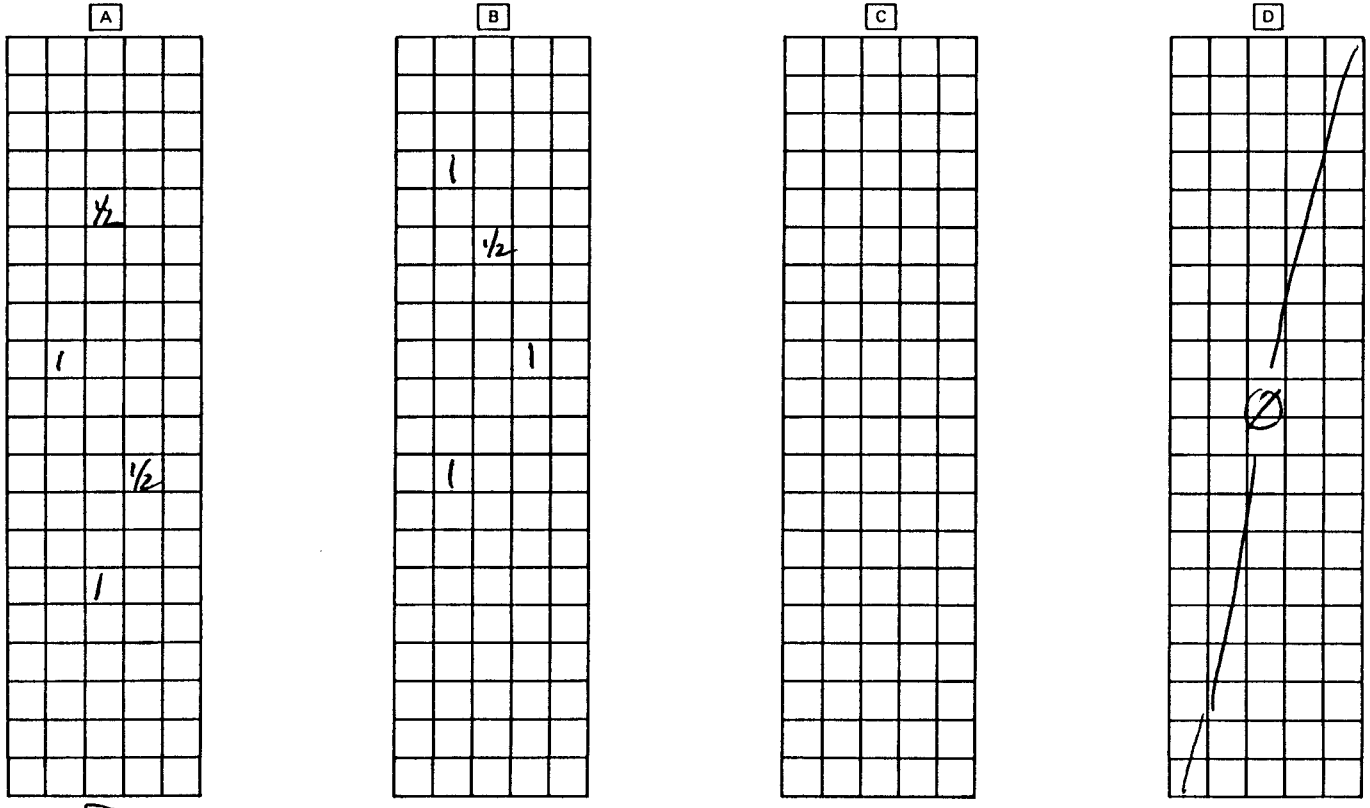
Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



Scott Dunn 2/2/95
FIELD TECH. DATE

Dunn 2/3/95
ANALYST DATE

Tracor Technology Resources **Air Sample Sheet**

Project # 0486-012

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data Total Count	Count Data Fields Counted	Count Data Blank Count	Count Data Net Count	Fibers Per cc
A	15195	05											Ø		
A	Notes: BLANK														
B															
B	Notes:														
C															
C	Notes:														
D															
D	Notes:														

Field Area: (Check One)
- ☒ .00785
- ☐ .00754
- ☐ .00724
- ☐ .00801
- ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre + Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size
- ☒ 25 mm (385 sq mm)
- ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{\text{(Net Count/100) x Filter Area}}{\text{Field Area x Volume x 1000}}$

A: Ø

B

C

D

Scott Dunn 2/2/95
FIELD TECH. DATE

Dunn 2/3/95
ANALYST DATE

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486-012

Location: _____ Date: 4 FEB 1995

Removal Contractor: RETRO Time Started: NO SHOW

Monitoring Contractor: TRACOR Time Stopped: —

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier		N/A
	b. Decontamination Curtains		
	c. GLOVE BAG PROJ		
	d. Seals around ducts, windows and doors		
	e. "Negative air machine" in use		
	f. Negative pressure > .03"		
2. Signage	a. Caution Signs at vestibule entry.		
	b. OSHA SIGN (ASBESTOS)		
	c. Dumpster, ducts, drums, and bags labelled		
3. Work Practices	a. Hammers, saws, etc. NOT in use.		
	b. Removed Material Promptly Bagged.		
	c. Debris Stored in removal area.		

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	_____	N/A
	e. Material Kept Wetted Until Bagged.	_____	_____
4. Worker Protection	a. Disposable Clothing Used One Time.	_____	_____
	b. Proper NIOSH respirators.	Disp____ HEPA____ PAPR____ TYP"C"____	_____ _____ _____ _____
	c. Proper Decontamination Sequence Followed	_____	_____
5. Showers	a. Functioning?	_____	_____
	b. Soap and Towels?	_____	_____
	c. Used Each Departure?	_____	_____
6. Work Habits In Work Area	a. No Smoking	_____	_____
	b. No Eating/Drinking	_____	✓

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

_____

_____

_____

_____

Report Prepared By: Scott Dunn Date: ~~2/7/95~~ 2/7/95

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486-012

Location: 1B level Date: 2/6/95

Removal Contractor: RETRO Time Started: 1900

Monitoring Contractor: TRACOR Time Stopped: 0530

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	N/A	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure > .03"	not measured	
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	N/A	
3. Work Practices	a. Hammers, saws, etc. NOT in use.	N/A	
	b. Removed Material Promptly Bagged.	N/A	
	c. Debris Stored in removal area.	N/A	

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	N/A	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	N/A	
5. Showers	a. Functioning?	N/A	
	b. Soap and Towels?	✓	
	c. Used Each Departure?	✓	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

Report Prepared By: Scott Durin Date: 2/8/95

SCOTT DUNN - TTR

RON T. - RETRO ENV.

6486-012

6 FEB 1995

1900 TTR arrives on job site and checks in w/Secret Service. One ASCOA worker is on site and Retro Arrives shortly after.

1910 Two other ASCOA workers arrive on site. All workers except Retro go to 2B level — Retro goes to 1B level. Ask GSA escort (A. Washington) if an electrician can open up the transformer vault on 1B to pick up a pump that was locked in there on Thursday night last week.

1930 Access was gained in the 1B level transformer vault near elevators - the pump was missing. The electrician called someone from his office and was told that GSA escorted a contractor into the vault to pick up the pump. The name + company of the contractor is not known.

2000 Workers open up one of the lights to observe the access above the ceiling in 1B. Access will be very tight. ASCOA asked if they had to put mini-containment up if they open all the lights. TTR will not allow. ASCOA/RETRO will have to put up critical barriers and deny access through the hallway in order that workers can install the sprinkler main. Microtraps will also be utilized. Pipe fitters will also need to cut a trough ~~[illegible]~~ to place long sections of pipe above the ceiling.

2100 Retro has constructed 70% of the containment. Air samples have been set up. Pipe fitters have been getting pipe ready for installation.

2200 Workers go on lunch break (2200-2300). TTR leaves job site for paperwork and charger for air sampling pumps.

2350 ASCOA inside work area installing pipe.

0100 Work progresses — no problems encountered.

0200 Herb Pankey arrives at job site. Work progresses. Workers go on break at 0210.

0300 Workers still on break. 0320 Workers re-enter the work area.

0400 TTR asks GSA escort (Price) if they have a key to Grundy's Office - he does not. Ask other GSA escort (A. Washington) if he has a key - he does not. Washington asks Secret Service if they have a key - they do not.

Tracor Technology Resources — **Air Sample Sheet**

Project # 16,4,8,6,-,0,1,2,1

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	15295	01	5113	2.5	2.5	2.5	2110	0440	450	1125	5.5	100	—		
A	Notes: Inside Work Area – Level 1B														
B	15395	02	5112	2.5	2.5	2.5	2110	0440	450	1125	5.0	100	—		
B	Notes: Inside Work Area – Level 1B														
C	15495	03	16	2.5	2.5	2.5	2110	0420	430	1075	1.0	100	—		
C	Notes: Outside WA – At Room B-225 (microtrap exhaust)														
D	15595	04	22	2.5	2.5	2.5	2110	0420	430	1075	1.0	100	—		
D	Notes: Outside WA – At Room B-212 (Snack Machines)														

Field Area (Check One): ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size: ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A

1				
		1/2		
	1			
			1/2	
		1/2		
				1
	1/2			
			1/2	

B

	1/2			
			1	
	1/2			
			1/2	
	1/2			
			1/2	
	1			
			1/2	

C

			1	

D

				1

Scott Dunn 2/6/95
FIELD TECH. DATE

Dunn 2/7/95
ANALYST DATE

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB

Project: C4RC0-012

Location: 1B

Date: 2/7/95

Removal Contractor: Retco

Time Inspected: 2040

Monitoring Contractor: Tepcor

Time Work Started: 2100

Inspection Catagory	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	YES	
	b. Decontamination Curtains	YES	
	c. Seals around ducts, windows and doors	N/A	
	d. Vertical and Horizontal Openings	YES	
	e. "Microtrap" in use	YES	
	f. Negative pressure > .02"	N/A	
2. Signage	a. Caution Signs at vestibule entry.	NO	
	b. OSHA SIGN (ASBESTOS)	YES	
	c. Dumpster, ducts, drums, and bags labelled	YES	

GSA ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	yes	
	e. Material Kept Wetted Until Bagged.	N/A	
4. Worker Protection	a. Disposable Clothing Used One Time.	yes	
	b. Proper NIOSH respirators.	Disp ___ HEPA ✓ PAPR ___ TYP "C" ___	
	c. Proper Decontamination Sequence Followed	N/A	
5. Showers	a. Functioning?		
	b. Soap and Towels?		
	c. Used Each Departure?	✓	
6. Work Habits In Work Area	a. No Smoking	yes	
	b. No Eating/Drinking	yes	

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

One Large Enclosure with Two NAFD's
Only to Go Above Ceiling

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: [signature] Date: 2/7/95

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB

Project: 6486e-012

Location: 1B

Date: 2/7/95 - 2/8/95

Removal Contractor: Retro

Time Started: 1900 - 2/7

Monitoring Contractor: TRAW2

Time Stopped: 0500 2/8

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	yes	
	b. Decontamination Curtains	NO	
	c. GLOVE BAG PROJ	NO	
	d. Seals around ducts, windows and doors	N/A	
	e. "Negative air machine" in use	yes	
	f. Negative pressure > .03"	N/A	
2. Signage	a. Caution Signs at vestibule entry.	NO	
	b. OSHA SIGN (ASBESTOS)	yes	
	c. Dumpster, ducts, drums, and bags labelled	yes	
3. Work Practices	a. Hammers, saws, etc. NOT in use.	yes	
	b. Removed Material Promptly Bagged.	N/A	
	c. Debris Stored in removal area.	yes	

GSA ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	yes	
	e. Matarial Kept Wetted Until Bagged.	N/A	
4. Worker Protection	a. Disposable Clothing Used One Time.	yes	
	b. Proper NIOSH respirators.	Disp ___ HEPA ✓ PAPR ___ TYP"C" ___	
	c. Proper Decontamination Sequence Followed	N/A	
5. Showers	a. Functioning?	N/A	
	b. Soap and Towels?	N/A	
	c. Used Each Departure?	N/A	
6. Work Habits In Work Area	a. No Smoking	yes	
	b. No Eating/Drinking	yes	

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

One Enclosure with two NAFD's
Only to Go Above Ceiling

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: [signature] Date: 2/7/95

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NFOB Project: 6486-012

Location: 1B Date: 2/8/95

Removal Contractor: Retro Time Inspected: 0430

Monitoring Contractor: TRACOR Time Completed: 0440

FINAL INSPECTION: The final inspection shall consist of a walkthrough inspection conducted by the IH contractor IH. He may at times be accompanied by the Contracting Officer's Representative or a designee, a GSA Safety and Environmental Management representative, the IH contract's Certified Industrial Hygienist, the asbestos abatement contractor, a state or local government representative, the abatement contractor's Industrial Hygienist, a tenant Agency Representative, or another interested party.

OBJECTIVE: The objective is to assure that the ASBESTOS has been removed or abated as required in the CONTRACT. All parties should familiarize themselves with the provisions of the contract and the "Asbestos Removal/Abatement Scope of Work." This checklist is to serve as a guide for the final inspection.

Activity to be Checked		Within Limits	Problem Encountered
1. Residual Dust on:			
(below eye level)	a. Floor.	yes	
	b. Horizontal Surfaces.	yes	
	c. Pipes.	N/A	
	d. Ventilation Equipment.	N/A	
(above eye level)	e. Horizontal surfaces.	yes	
	f. Pipes.	N/A	
	g. Ductwork.	N/A	
	h. Registers	N/A	
	i. Lights.	yes	

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

As any dust found in the removal area is likely to be asbestos contaminated, in cases of dispute, a small quantity of material may be sent to a designated laboratory for analysis.

FINAL AIR SAMPLING:

If all other tests and situations appear to be satisfactory, the final air tests will be taken.

Serial Number:	01	02	03	04	
Location:					
Volume (Liters):	1125	1125	1137.5	1137.5	
Flow rate: (Liters/Minute)	2.5	2.5	2.5	2.5	
Fibers/Filter:	5	8.5	6.5	6	
Fibers/Cubic Cm:					

ANALYST ANALYZING SAMPLES: [signature] DATE: 2/8/95

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

Report Prepared By: [signature] Date: 2/8/95

REPORT REVIEWED BY: _____ DATE: _____

Page # 1

LOG SHEET

Date: February 7th & 8th 1995

Project Number: Carde-012

Industrial Hygienist: M. Brower

Abatement Contractor/Supervisor: Retro/Ronald

Time	Remarks
1900-	On Site with Retro & Fitters - One Large Enclosure will be Constructed Tonight 2 NAFD's will Be Used Work Can not Proceede until Cleaning Crew is off Site -
2000-	Retro Building Enclosure.
2100-	NAFD's are Running & Fitters Begin Work - Difficult For Fitters to Run Pipe (Tight Above Ceiling)
2200-	Workers Go On Break.
2300-	Work Continues
2400-	Work Continues
0100-	Work Continues - Enclosure will most likely be re-constructed tomorrow - All Work will Not Be Completed
0200-	Fitters Continue - All Main is Just About Completed
0230-	Fitters & Workers on Break
0300-	All Main is up & Fitters to Stop Dropping Heads
0400-	Workers Prepare to Clean up For The Night. All Area Samples were below .01 f/cc.
0500-	Brower off Site

Blank MJB 2/8/96

Tracor Technology Resources — **Air Sample Sheet**

Project # 6,4,8,6,0,1,2,

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	15695	1	22	2.5	"	"	2120	0150	270	810	6	100	0	6	<.01
A	Notes: In Containment														
B	15795	2	12	2.5	"	"	2120	0150	270	810	7	100	0	7	<.01
B	Notes: Outside entrance to containment														
C	15895	3	5113	2.5	"	"	2120	0150	270	810	6	100	0	6	<.01
C	Notes: Outer Hallway														
D	15995	4	Blank										0		
D	Notes: Blank														

Field Area: (Check One) ☐ .00785 ☐ .00801 ☐ .00754 ☐ .00817 ☐ .00724

Calculations: Mean Flow = $\frac{\text{Pre + Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☐ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{\text{(Net Count/100) x Filter Area}}{\text{Field Area x Volume x 1000}}$

A

1				
		1		
	2			
	1			
			1	

B

		1		
		1		
			1	
1				
		.5	1	
		.5		
1				

C

			1	
		1		
		2		
			1	
			1	

D

FIELD TECH. DATE 2/8/95

ANALYST DATE 2/8/95

Page #_____

LOG SHEET

Date: 2/8/95

Project Name/Number: 6486 012

Industrial Hygienist: Chris Charuhas

Abatement Contractor/Supervisor: Retro / Ron

Scope of Work: 1B

Time	Remarks
1900	Arrive on site
1930	Pipefitters and asbestos crew escorted to 1B
1945	Containment being constructed - barriers at ends of hallway and plastic on floor. 2 microtraps.
2125	Plumbers begin work inside containment
2220	Workers break
2300	Work resumes - two holes for sprinkler heads drilled in ceiling
0100	Workers break
0115	Work resumes
0150	Work ends in containment
	Area samples used as finals
0300	off site

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486 012

Location: 1B Date: 2-8-95

Removal Contractor: Retro Time Started: 0700

Monitoring Contractor: Tracor Time Stopped: 0300

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	Barriers at ends of	
	b. Decontamination Curtains	hallway,	no walls to
	c. GLOVE BAG PROJ	containment,	no decon.
	d. Seals around ducts, windows and doors	Two microtraps.	
	e. "Negative air machine" in use		
	f. Negative pressure > .03"		
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, saws, etc. NOT in use.	n/A	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stored in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	n/A	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ✓ HEPA PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	n/A	
5. Showers	a. Functioning?		
	b. Soap and Towels?		
	c. Used Each Departure?		
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

Report Prepared By: [signature] Date: 2/8/95

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Project: 6486-012

Location: Hallway / Loading Dock Date: 2-9-95

Removal Contractor: RETRO Time Inspected: 2040

Monitoring Contractor: TTR Time Work Started: 2100

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Seals around ducts, windows and doors	N/A	
	d. Vertical and Horizontal Openings	✓	
	e. "Microtrap" in use	✓	
	f. Negative pressure > .02"	N/A	
2. Signage	a. Caution Signs at vestibule entry.	NO	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	

GSA ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	N/A	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ✓ HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	N/A	
5. Showers	a. Functioning?	✓	
	b. Soap and Towels?	✓	
	c. Used Each Departure?	✓	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

Field Notes:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

Mini Cont. (No Removal) Filters
hanging pipe

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Golomiewska Date: 2-9-95

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NBOB Project: 6486-012

Location: 1B / Loading Dock Date: 2/9-10/95

Removal Contractor: RETRO Time Started: 1900

Monitoring Contractor: TTR Time Stopped: 0400

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	N/A	
	d. Seals around ducts, windows and doors	N/A	
	e. "Negative air machine" in use	N/A	
	f. Negative pressure > .03"	N/A	
2. Signage	a. Caution Signs at vestibule entry.	NO	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	N/A	
	c. Debris Stored in removal area.	✓	

DC010577

RECEIVED 2/12/88

85555

ENVIRONMENTAL • MEDICAL • ANALYTICAL

490 L'Enfant Plaza East, S.W.
Suite 4300
Washington, D.C. 20024
202/488-7990

Plymouth Greene Office Campus A-1
801 E. Germantown Pike
Norristown, PA 19401
215/277-4520

200 Hospital Drive
Suite LL-10
Glen Burnie, MD 21061
301/760-7560

February 4, 1988

ASBESTOS AIR AND BULK SAMPLING
New Executive Office Building
OMC Project #: 001-NEOBDC-10

PERFORMED FOR:

General Services Administration
Safety and Environmental Management
ROB Room 2034
7th and D Streets, S.W.
Washington, D.C. 20407

Contract #GS-11C-40323 Work Request #88-022-~~055~~ 056

Attn: Mary Beth Stewart

At your request, OMC conducted asbestos air and bulk sampling in the New Executive Office Building, 726 Jackson Place, N.W., Washington, D.C. The sampled area was a room adjacent to the first floor's guard desk. The sampling was requested by GSA due to the management's disregard of potentially creating an asbestos exposure for office occupants. These samples were collected on January 23, 1987.

Air sampling and analysis was conducted in accordance with the Occupational Safety and Health Administration (OSHA) Reference Method as outlined in Occupational Exposure to Asbestos, Tremolite, Anthophyllite and Actinolite; Final Rules (29 CFR Parts 1910.1001). Samples were collected by drawing air through a membrane filter with a battery powered calibrated sampling pump. Samples were submitted to OMC Laboratories for analysis by phase contrast microscopy. One hundred fields or one hundred fibers were counted and a fiber concentration computed for each sample. Sample locations and results are summarized in the attached laboratory analysis sheets.

Bulk samples of the suspected asbestos containing material located on the floor of the work area were collected and submitted to OMC Laboratories. The samples were analyzed according to the Environmental Protection Agency's Interim Method for the Determination of Asbestos in Bulk Samples. This method employs polarized light microscopy to identify a sample's fibrous components. Sample descriptions and results are summarized in the attached laboratory analysis sheets.

As the air sample results indicate, airborne fiber levels for the eight-hour sampling period were below the National Institute for Occupational Health and Safety (NIOSH) recommended limit of 0.01 fibers per cubic centimeter (f/cc) for office environments.

However, bulk sample analysis revealed the presence of asbestos debris inside the work area. Therefore, it is recommended that the entire work area be considered asbestos contaminated and undergo proper asbestos decontamination procedures.

Should you have any questions concerning this matter, please do not hesitate to contact this office.

Sincerely,

Barry J. Hemler,
Industrial Hygienist

Michael A. Cecil, C.I.H.
Manager, Industrial Hygiene Services

O M C ANALYTICAL LABORATORY

LAB

O M C, Inc.
490 L'Enfant Plaza
Suite 4300
Washington, DC 20024
(202) 488-7990

CLIENT

NEW EXECUTIVE OFFICE BLDG.

01/27/88

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on : 01/23

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
001-NEOBDC-10-01/23-A001	1227.50	18.50	100.00	0.01
LOCATION : INSIDE WORK AREA				
001-NEOBDC-10-01/23-A002	1232.50	4.50	100.00	0.01
LOCATION : OUTSIDE WORK AREA NORTHERN HALLWAY				
001-NEOBDC-10-01/23-A003	1230.00	2.00	100.00	0.01
LOCATION : HALLWAY ON NOTICE SIGN				
001-NEOBDC-10-01/23-A004	952.50	2.00	100.00	0.01
LOCATION : GUARD'S DESK				

O M C ANALYTICAL LABORATORY

LAB	CLIENT
O M C, Inc. 490 L'Enfant Plaza Suite 4300 Washington, DC 20024 (202) 488-7990	NEW EXECUTIVE OFFICE BLDG. ,

01/27/88 PAGE 002

A I R S A M P L E S A N A L Y S I S

Sample(s) taken on : 01/23

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC

This analysis was conducted in accordance with the mandatory OSHA Reference Method [Occupational Exposure To Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules; 29 CFR Parts 1910.1001 and 1926.58, Appendices A and B]. The OMC Industrial Hygiene Laboratory ensures quality data by exercising the interlaboratory/intralaboratory quality control programs described in the OSHA Reference Method.

Reference : 120 RECEIVED: 01/23/88 ANALYZED: 01/26/88

Michael A. Cecil C.I.H.
LAB DIRECTOR

Analyzed By : CB 1-28-88

Reviewed By : 1.28.88

O M C LABORATORY IS ACCREDITED BY THE A.I.H.A.

O M C ANALYTICAL LABORATORY

LAB	CLIENT
O M C, Inc. 490 L'Enfant Plaza Suite 4300 Washington, DC 20024 (202) 488-7990	NEW EXECUTIVE OFFICE BLDG.

01/27/88 PAGE 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample Number : 001-NEOBDC-10-01/23-B003

Location: OUTSIDE WORK AREA ON FLOOR ACROSS OPENING TO WORK AREA

ANALYSIS

APPEARANCE : Friable Fibrous Homogeneous
Color is buff

FIBROUS MATERIALS

Organic Fibers	20% - 25%
Fibrous Concentration is	20% - 25%

NON-FIBROUS MATERIALS

Adhesive Carbonate Silicates Various other materials

Non-Fibrous Concentration is	75% - 80%

****
* ASBESTOS CONCENTRATION IS 0% *
****

Reference : 041 RECEIVED: 01/25/88 ANALYZED: 01/25/88

Michael A. Cecil C.I.H.
LAB DIRECTOR

Analyzed By : CB Chris Bg 1-28-88

Reviewed By : Valerie Gray 1/28/88

O M C LABORATORY IS ACCREDITED BY THE A.I.H.A.

O M C ANALYTICAL LABORATORY

LAB	CLIENT
O M C, Inc. 490 L'Enfant Plaza Suite 4300 Washington, DC 20024 (202) 488-7990	NEW EXECUTIVE OFFICE BLDG.

01/27/88 PAGE 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample Number : 001-NEOBDC-10-01/23-B001

Location: INSIDE WORK AREA ON FLOOR BY DUCT

ANALYSIS

APPEARANCE : Friable Fibrous Homogeneous
Color is buff

ASBESTOS MATERIALS

Chrysotile	20% - 25%

****
* ASBESTOS CONCENTRATION IS 20% - 25% *
****

FIBROUS MATERIALS

Mineral Wool	25% - 30%
Organic Fibers	10% - 15%
Fibrous Concentration is	40% - 45%

NON-FIBROUS MATERIALS

Carbonate Glass Silicates Various other materials

Non-Fibrous Concentration is	30% - 35%

Reference : 041 RECEIVED: 01/25/88 ANALYZED: 01/25/88

Michael A. Cecil C.I.H.
LAB DIRECTOR

Analyzed By : CB Chris Bey 1-28-88

Reviewed By : Valerie Gray 1/29/88

O M C LABORATORY IS ACCREDITED BY THE A.I.H.A.

O M C ANALYTICAL LABORATORY

LAB	CLIENT
O M C, Inc. 490 L'Enfant Plaza Suite 4300 Washington, DC 20024 (202) 488-7990	NEW EXECUTIVE OFFICE BLDG.

01/27/88 PAGE 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample Number : 001-NEOBDC-10-01/23-B002

Location: INSIDE WORK AREA ON FLOOR BY DOOR

ANALYSIS

APPEARANCE : Friable Fibrous Homogeneous
Color is buff

FIBROUS MATERIALS

Organic Fibers	5% - 10%
Fibrous Concentration is	5% - 10%

NON-FIBROUS MATERIALS

Adhesive Carbonate Silicates Various other materials

Non-Fibrous Concentration is	90% - 95%

****
* ASBESTOS CONCENTRATION IS 0% *
****

Reference : 041 RECEIVED: 01/25/88 ANALYZED: 01/25/88

Michael A. Cecil C.I.H.
LAB DIRECTOR

Analyzed By : CB 1-28-88

Reviewed By : 1/27/88

O M C LABORATORY IS ACCREDITED BY THE A.I.H.A.

O M C ANALYTICAL LABORATORY

LAB	CLIENT
O M C, Inc. 490 L'Enfant Plaza Suite 4300 Washington, DC 20024 (202) 488-7990	NEW EXECUTIVE OFFICE BLDG.

01/27/88 PAGE 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample Number : 001-NEOBDC-10-01/23-B004

Location: OUTSIDE WORK AREA - NEW DOUBLE DOORS TO GUARDS DESK

ANALYSIS

APPEARANCE : Friable Fibrous Homogeneous
Color is buff

FIBROUS MATERIALS

Organic Fibers	5% - 10%
Fibrous Concentration is	5% - 10%

NON-FIBROUS MATERIALS

Adhesive Carbonate Silicates Various other materials

Non-Fibrous Concentration is	90% - 95%

****
* ASBESTOS CONCENTRATION IS 0% *
****

Reference : 041 RECEIVED: 01/25/88 ANALYZED: 01/25/88

Michael A. Cecil C.I.H.
LAB DIRECTOR

Analyzed By : CB Chris Berg 1-28-88

Reviewed By : Valerie Gray 1/29/88

O M C LABORATORY IS ACCREDITED BY THE A.I.H.A.

Reviewed/Mailed
MAY 6 1996
T.S./WPMO4
CANOFILE: 960402
DC010522
cc: WPCP

Aerosol Monitoring & Analysis, Inc.
Environmental Consultants

304

April 2, 1996

Mrs. Normajean Eleazer
GSA Safety and Environmental Management
Room 2080, 7th and D Streets, SW
Washington, D.C. 20407

Contract# GS11P92MJD0063
PO# P1196DC0133
ACT# P41070963

RECEIVED
GSA/NOR
APR 15 8 31 AM '96
SAFETY & ENVIRONMENT BRANCH (NPHOE)

Re: Lead-based paint and Asbestos assessment

Site: New Executive Office Bldg, Carpenter Shop
725 17th Street, NW
Washington, D.C.

AMA Job #32244

Dear Mrs. Eleazer:

On March 28, 1996, Allan Jackson-Gewirtz of Aerosol Monitoring and Analysis, Inc. (AMA) was on site to assess the carpenters shop in the New Executive Office Bldg. for lead-based paint (LBP) and asbestos-containing materials (ACM). The survey was performed to determine if any ACM of LBP is present in the loft area of the carpenters shop prior to its renovation or removal. Sampling was conducted in areas designated by the on-site GSA representative.

During the assessment, nine bulk samples of suspect ACMs were collected from areas that may be disturbed during renovation to the loft. If additional suspect materials are encountered during the renovation, they will need to be sampled and analyzed to determine the asbestos content.

Asbestos samples were submitted to AMA Analytical Services, Inc. in Lanham, Maryland. Samples of bulk materials were analyzed using polarized light microscopy (PLM) following the Environmental Protection Agency method 600/R-93/116 "Method for Determination of Asbestos in Bulk Building Materials". AMA Analytical Services, Inc. is accredited by the U.S. Department of Commerce, National Institute of Standards and Technology through the National Voluntary Accreditation Program (NVLAP) for Bulk Asbestos Analysis, NVLAP No. 101143.

Of the nine suspect ACM samples collected, three were found to contain greater than 1 % asbestos during PLM analysis. The results of the laboratory analysis are listed in table 1.

During the LBP assessment , four paint chip samples were collected from suspect lead-based paint surfaces that may be disturbed during construction. These areas were located on the walls, ceiling and ducts above the loft in the carpenters shop.

1340 Ashton Road • P.O. Box 646 • Hanover, MD 21076 • 410-684-3327 • FAX: 410-684-3384

Of the four paint chip samples collected, none were observed to contain greater than 0.5% lead. If other suspect paint surfaces are encountered during the removal of the loft, they should be sampled and analyzed to determine the lead content. The results of the lead paint chip analysis are listed in table 2.

If any of the materials mentioned in this or other reports within the renovation area are to be removed they should be done so in accordance with all pertaining regulations and by trained personnel using abatement techniques acceptable to the GSA. Enclosed, please find the asbestos and lead laboratory results and certificates of analysis.

If you have any questions regarding this report please contact our office (410) 684-3327.

Sincerely,

Gary L. Urban
Project Manager

Attachments

Table 1
New Executive Office Building
Asbestos Bulk Sampling Results
March 25, 1996

Sample #	Material Sampled	Material Location	Analytical Result
32244032501	**Brown seam sealant**	**On metal duct above loft**	**2% Chrysotile**
32244032502	**Brown seam sealant**	**On metal duct above loft**	**2% Chrysotile**
32244032503	**Brown seam sealant**	**On metal duct above loft**	**2% Chrysotile**
32244032504	Ceiling Plaster	Above loft	No Asbestos Observed
32244032505	Ceiling Plaster	Above loft	No Asbestos Observed
32244032506	Ceiling Plaster	Above loft	No Asbestos Observed
32244032511	Gypsum Board	On floor to loft area	No Asbestos Observed
32244032512	Gypsum Board	On floor to loft area	No Asbestos Observed
32244032513	Gypsum Board	On floor to loft area	No Asbestos Observed

Table 2
New Executive Office Building
Lead-Based Paint Chip Sampling Results
March 25, 1996

Sample #	Color	Surface	Substrate	Analytical Result
32244032507	Off-white	Duct	Metal	No Lead Detected
32244032508	Cream	Wall	Brick	No Lead Detected
32244032509	White	Ceiling	Plaster	No Lead Detected
32244032510	Cream	Loft floor/Ceiling	Drywall	No Lead Detected

Gascoyne Laboratories, Inc.

Baltimore, MD 21224-6697

(410) 633-1800
(800) GAS-COYN
FAX NO.
(410) 533-5443

REPORT OF ANALYSIS

Report No. 96-03-513 Report Date: March 28, 1996

Report To: Aerosol Monitoring & Analysis Page: 1 of 1

Sample I.D. Submitted Paint Chips: 32244, dated 03/25/96

Sample Description	Lead (Pb)	Detection Limits	By	Date Analyzed
32244032507	ND	0.05	TLK	03/28/96
32244032508	ND	0.1	TLK	03/28/96
32244032509	ND	0.05	TLK	03/28/96
32244032510	ND	0.05	TLK	03/28/96

Notes

(1) Results expressed as percent (%).
(2) Analysis performed according to method EPA 7420.

William L. Lock
Laboratory Director

BULK SAMPLING SURVEY SHEET

Contact Person: Gary Urban
Company: AMA
Telephone Number: 410 684 5527
Samples Taken By: Allan Jackson-Gewitz
Sampling Witnessed By: "
Date/Time Received by Lab:

Date Collected: 3/25/95
Job Site: NEOB
Job No.: 32244 Work Order No.
When Needed:

Sample No.	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
32244 0325 07	Off white Paint on Duct work Metal	New Exec Office Bldg, Basement Carpenters Shop, loft (Lumber) NE Corner of Room, on N Wall, 5' W of East wall 9' high	☐ Yes ☐ No ☑ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☒ Med ☐ High	☐ Yes ☒ No #	Peeling
32244 0325 08	Cream Paint on Walls Brick + Mortar	New Exec. Office Bldg. Basement Carpenters Shop, lumber loft NE Corner of Room, N Wall, 4' W of East Wall 9.5 high	☐ Yes ☐ No ☑ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☒ Med ☐ High	☐ Yes ☒ No #	
32244 0325 09	white Paint on Ceiling Plaster	New Exec. Office Bldg. Basement Carpenters Shop, Lumber loft Ceiling, 4' Small of N wall, 12" W of East wall 10.5' High ~ 60	☐ Yes ☐ No ☒ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☒ Med ☐ High	☐ Yes ☒ No #	Peeling
3244 0325 10	Cream Paint ON Ceiling DRYWALL	NEN Exec. Office Bldg. Basement Carpenters Shop, Lumber loft Ceiling 8' Tall 5' W of East wall 15' South of N Wall.	☐ Yes ☐ No ☒ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☐ Med ☒ High	☐ Yes ☒ No #	Peeling
			☐ Yes ☐ No ☐ Potentially	☐ Good ☐ Fair ☐ Poor	☐ Low ☐ Med ☐ High	☐ Yes ☐ No #	

Analysis Technician/Time/Date

006-2188-2

AMA Analytical Services, Inc.

Polarized Light Microscopy Telefax

Client: Aerosol Monitoring & Analysis, Inc. Contact: Gary Urban Analyst: Mee Lim

Job #: 32244 COC #: 40789 Date: 3-26-96

Customer Sample I.D.	AMA Sample Number	Fibrous Asbestos %: Chrysotile	Amosite	Crocidolite	Other	Other Fibrous Material %: Mineral Wool	Fibrous Glass	Organic Fibers	Other	Non-Fibrous Material %: Particulate	Other	Physical Appearance Or Location
32244035 01		2						TR		98		
02		2						TR		98		
03		2						TR		98		
04								TR		100		
05								TR		100		
06								TR		100		
11								3		97		
12								2		98		
13								2		98		

4485 Forbes Blvd. • Lanham, MD 20706 • (301) 459-2640 • (800) 346-0961 • FAX (301) 459-2643
An AIHA (#8863), NVLAP (#1143) & New York ELAP (#10920) Accredited Laboratory

BLDG NAME: NOB

ADDRESS: 17th St

BLDG NO.:

ASSESSMENT DATE: 3/95

AMOUNT(sq ft): _____

or (linear ft) _____

Location In Bldg: 32244 Basement / Carpenters Shop
(include Functional Space)

HOMOGENEOUS AREA: Sealant on metal

Type of Material	Damage	Accessibility
__Fireproofing	__Significant	__High
__Acoustic Plaster	__Minor	__Medium
__Acoustic Tile	X None	X Low
__Thermal Systems Insulation		
__Vinyl Floor Tile		Air Plenum___
X Other: Seam Sealant		(Y or N)

Friability	Traffic	Vibration	Potential for Air Erosion
__High	__High	__High	__High
__Medium	__Medium	X Medium	__Moderate
X Low	X Low	__Low	X Low

Comments: Brown seam sealant on metal. over over pipe insulation on 12"OD pipe insulation

AHERA Classification (see instructions): _____

Sample Number	Sample location	Result
(Include percent and type in result, e.g. 50 percent/Chrysotile).		
B22440325 01	Carpenters Shop / C:3	2% Chrysotile
32244032502	Carpenters Shop / C:1	
32244032503	Carpenters Shop / C:2	

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions

BLDG NAME: NOB
ADDRESS: 17th St NW
BLDG NO.:

ASSESSMENT DATE: 3/25

AMOUNT(sq ft): _____
or (linear ft) _____

Location In Bldg: Basement / Carpenter's Shop
(Include Functional Space)

HOMOGENEOUS AREA: ~~Pipe Insulation 12"OD Ceiling Plaster~~

Type of Material	Damage	Accessibility
__ Fireproofing	__ Significant	__ High
__ Acoustic Plaster	__ Minor	__ Medium
__ Acoustic Tile	X None	X Low
X Thermal Systems Insulation		
__ Vinyl Floor Tile		Air Plenum___
__ Other: _____		(Y or N)

Friability	Traffic	Vibration	Potential for Air Erosion
__ High	__ High	__ High	__ High
X Medium	__ Medium	X Medium	__ Moderate
__ Low	X Low	__ Low	X Low

Comments: ~~Pipe insulation under metal Cover~~
~~12"OD~~ Ceiling Plaster - Carpenter Shop above loft

AHERA Classification (see instructions): _____

Sample Number	Sample location	Result
32244032504	Carpenters Shop C:1	NAD
32244032505	Carpenters Shop	
	C:5	
32244032506	Carpenter Shop	
	C:1	

(Include percent and type in result, e.g. 50 percent/Chrysotile).

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions

BLDG NAME: NOB
ADDRESS: 17th St NW
BLDG NO.:

ASSESSMENT DATE: 3/25

AMOUNT(sq ft): _____
or (linear ft) _____

Location In Bldg: Boxwell Carpenters Shop
(include Functional Space)

HOMOGENEOUS AREA: Gypsum Board

Type of Material
__ Fireproofing
__ Acoustic Plaster
__ Acoustic Tile
__ Thermal Systems Insulation
__ Vinyl Floor Tile
X Other: Wall Board

Damage
__ Significant
X Minor
__ None

Accessibility
X High
__ Medium
__ Low

Air Plenum___
(Y or N)

Friability
X High
__ Medium
__ Low

Traffic
__ High
X Medium
__ Low

Vibration
__ High
X Medium
__ Low

Potential for Air Erosion
__ High
X Moderate
__ Low

Comments: Gypsum Wall Board - on Ceiling / - Floor of loft Ceiling to Shop Area

AHERA Classification (see instructions): _____

Sample Number	Sample location	Result
322440325 11	Carpenter's Shop	NAD
	C: 1	
322440325 12	Carpenters Shop	
	C: 5	
322440325 13	Carpenters Shop	
	C: 9	

(Include percent and type in result, e.g. 50 percent/Chrysotile).

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions

DC010522

ENVIRONMENTAL • MEDICAL • ANALYTICAL

4451 Parliament Place
Lanham, MD 20706
301/306-0632
FAX: 301/306-9354

Plymouth Greene Office Campus A-1
801 E. Germantown Pike
Norristown, PA 19401
215/277-4520
FAX: 215/277-6099

RECEIVED 1989 JUL 28

July 21, 1989

NEW EXECUTIVE OFFICE BUILDING
Bulk Sampling
OMC Project #:038-NEOBDC-18

Performed For:

GSA, NCR, WPX
Room 2036
7th & D Streets, SW
Washington, DC 20407

Attn: Marian Nuckolls

At your request, OMC conducted bulk sampling on the third floor of the New Executive Office Building, 17th & Pennsylvania Avenue, N.W., Washington, D.C., in preparation for a scheduled suite renovation. Samples were collected on June 23, 1989.

Samples of the suspected material were collected and submitted to the OMC Laboratories and analyzed according to the Environmental Protection Agency's Interim Method for the Determination of Asbestos in Bulk Samples. This method employs polarized light microscopy to identify a sample's fibrous components. Exact sample descriptions and results are summarized in the attached laboratory analysis sheets.

The rough ceiling plaster found outside the library and outside Room G112 was found to contain 15 to 30 percent chrysotile asbestos. The following materials were sampled and found not to contain asbestos: the smooth ceiling outside Rooms 3015, 3019, and 3021; the brown coat ceiling outside 3021; and the elbow mud of a pipe located in the hallway outside Room 3021.

Should you have any questions concerning this matter, please do not hesitate to contact this office.

Sincerely,

Barry J. Hemler
Industrial Hygienist

Michael A. Cecil, CIH
Manager, Industrial Hygiene Services

MC, Inc. ANALYTICAL LABOR ORY

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

06/28/89 PAGE 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample taken on 06/23 at NEW EXECUTIVE OFFICE BUILDING

Sample Number : 038-NEOBDC-18-06/23-B0001

Location: PL: SMOOTH CEILING OUTSIDE 3021

ANALYSIS

Appearance: Heterogeneous
Texture is: Granular
Color is: white

FIBROUS MATERIALS
Organic Fibers 1 % - 5 %

****
* ASBESTOS CONCENTRATION IS NOT DETECTED *
****

Fibrous Concentration is 1 % - 5 %

NON-FIBROUS MATERIALS
Carbonate Opaques Silicates Various other materials

Non-Fibrous Concentration is 95 % - 99 %

Reference : 135 035345 RECEIVED: 06/26/89 ANALYZED: 06/27/89

Michael A. Cecil, CIH
LAB DIRECTOR

Analyzed By : CJP [signature]

Reviewed By : [signature] 6/28/89

O M C METHOD FOR CEMENT;CONCRETE;BROWNCOAT;PLASTER
ACCREDITED BY NIST. NVLAP LAB CODE 1382

MC, Inc. ANALYTICAL LABOR ORY

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

06/28/89 PAGE 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample taken on 06/23 at NEW EXECUTIVE OFFICE BUILDING

Sample Number : 038-NEOBDC-18-06/23-B0002

Location: PL: BROWN COAT FROM CEILING OUTSIDE 3021

ANALYSIS

Appearance: Heterogeneous
Texture is: Porphyritic
Color is: buff

FIBROUS MATERIALS
Organic Fibers 1 % - 5 %

****
* ASBESTOS CONCENTRATION IS NOT DETECTED *
****

Fibrous Concentration is 1 % - 5 %

NON-FIBROUS MATERIALS
Carbonate Opaques Silicates Various other materials

Non-Fibrous Concentration is 95 % - 99 %

Reference : 135 035346 RECEIVED: 06/26/89 ANALYZED: 06/27/89

Michael A. Cecil, CIH
LAB DIRECTOR

Analyzed By : CJP [signature]

Reviewed By : [signature] 6/28/89

O M C METHOD FOR CEMENT;CONCRETE;BROWNCOAT;PLASTER
ACCREDITED BY NIST. NVLAP LAB CODE 1382

MC, Inc. ANALYTICAL LABOR ORY

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

06/28/89 PAGE 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample taken on 06/23 at NEW EXECUTIVE OFFICE BUILDING

Sample Number : 038-NEOBDC-18-06/23-B0003

Location: PL: ELBOW MUD OF PIPE LOCATED IN HALL OUTSIDE 3021

ANALYSIS

Appearance: Heterogeneous
Texture is: Fibrous
Color is: buff

FIBROUS MATERIALS

Mineral Wool	40 % - 45 %
Organic Fibers	1 % - 5 %

****
* ASBESTOS CONCENTRATION IS NOT DETECTED *
****

Fibrous Concentration is 45 % - 50 %

NON-FIBROUS MATERIALS

Carbonate Glass Opaques Silicates
Various other materials

Non-Fibrous Concentration is 50 % - 55 %

Reference : 135 035347 RECEIVED: 06/26/89 ANALYZED: 06/27/89

Michael A. Cecil, CIH
LAB DIRECTOR

Analyzed By : CJP Chris J. Pepino

Reviewed By : Valerie Lee 6/28/89

E P A INTERIM METHOD FOR FRIABLE MATERIAL
ACCREDITED BY NIST. NVLAP LAB CODE 1382

MC, Inc. ANALYTICAL LABOR ORY

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

06/28/89 PAGE 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample taken on 06/23 at NEW EXECUTIVE OFFICE BUILDING

Sample Number : 038-NEOBDC-18-06/23-B0004

Location: PL: SMOOTH CEILING OUTSIDE ROOM 3019

ANALYSIS

Appearance: Heterogeneous
Texture is: Granular
Color is: white

FIBROUS MATERIALS

Mineral Wool	< 1 %
Organic Fibers	1 % - 5 %

****
* ASBESTOS CONCENTRATION IS NOT DETECTED *
****

Fibrous Concentration is 1 % - 5 %

NON-FIBROUS MATERIALS

Carbonate Opaques Silicates Various other materials

Non-Fibrous Concentration is 95 % - 99 %

Reference : 135 035348 RECEIVED: 06/26/89 ANALYZED: 06/27/89

Michael A. Cecil, CIH
LAB DIRECTOR

Analyzed By : CJP Chris J. Pepin

Reviewed By : Valerie Gray 6/28/89

O M C METHOD FOR CEMENT;CONCRETE;BROWNCOAT;PLASTER
ACCREDITED BY NIST. NVLAP LAB CODE 1382

MC, Inc. ANALYTICAL LABOR ORY

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

06/28/89 PAGE 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample taken on 06/23 at NEW EXECUTIVE OFFICE BUILDING

Sample Number : 038-NEOBDC-18-06/23-B0005

Location: PL: SMOOTH CEILING OUTSIDE ROOM 3015

ANALYSIS

Appearance: Heterogeneous
Texture is: Granular
Color is: white

FIBROUS MATERIALS

Mineral Wool	1 % - 3 %
Organic Fibers	1 % - 5 %

```
*************************************************
* ASBESTOS CONCENTRATION IS      NOT DETECTED   *
*************************************************
```

Fibrous Concentration is 3 % - 8 %

NON-FIBROUS MATERIALS

Carbonate Opaques Silicates Various other materials

Non-Fibrous Concentration is 95 % - 99 %

Reference : 135 035349 RECEIVED: 06/26/89 ANALYZED: 06/27/89

Michael A. Cecil, CIH
LAB DIRECTOR

Analyzed By : CJP Chris J. Pepper

Reviewed By : Valerie Gray 6/28/89

O M C METHOD FOR CEMENT;CONCRETE;BROWNCOAT;PLASTER
ACCREDITED BY NIST. NVLAP LAB CODE 1382

MC, Inc. ANALYTICAL LABOR ORY

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

06/28/89 PAGE 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample taken on 06/23 at NEW EXECUTIVE OFFICE BUILDING

Sample Number : 038-NEOBDC-18-06/23-B0006

Location: PL: ROUGH PLASTER OUTSIDE LIBRARY

ANALYSIS

Appearance: Heterogeneous
Texture is: Fibrous Granular
Color is: white

ASBESTOS MATERIALS

Chrysotile	20 % - 25 %

****
* ASBESTOS CONCENTRATION IS 20% - 25% *
****

FIBROUS MATERIALS

Mineral Wool	1 % - 3 %
Organic Fibers	20 % - 25 %
Fibrous Concentration is	23 % - 28 %

NON-FIBROUS MATERIALS

Carbonate Opaques Silicates Various other materials

Non-Fibrous Concentration is 45 % - 50 %

Reference : 135 035350 RECEIVED: 06/26/89 ANALYZED: 06/27/89

Michael A. Cecil, CIH
LAB DIRECTOR

Analyzed By : CJP

Reviewed By : 6/28/89

O M C METHOD FOR CEMENT;CONCRETE;BROWNCOAT;PLASTER
ACCREDITED BY NIST. NVLAP LAB CODE 1382

MC, Inc. ANALYTICAL LABOR ORY

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

06/28/89 PAGE 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample taken on 06/23 at NEW EXECUTIVE OFFICE BUILDING

Sample Number : 038-NEOBDC-18-06/23-B0007

Location: PL: ROUGH PLASTER OUTSIDE ROOM G112

ANALYSIS

Appearance: Heterogeneous
Texture is: Fibrous
Color is: white

ASBESTOS MATERIALS
Chrysotile 25 % - 30 %

****
* ASBESTOS CONCENTRATION IS 25% - 30% *
****

FIBROUS MATERIALS
Organic Fibers 5 % - 10 %

Fibrous Concentration is 5 % - 10 %

NON-FIBROUS MATERIALS
Carbonate Foam Opaques Silicates
Various other materials

Non-Fibrous Concentration is 60 % - 65 %

Reference : 135 035351 RECEIVED: 06/26/89 ANALYZED: 06/28/89

Michael A. Cecil, CIH
LAB DIRECTOR

Analyzed By : CJP Chris J. Pepsi

Reviewed By : Valerie Gray 6/28/89

O M C METHOD FOR CEMENT;CONCRETE;BROWNCOAT;PLASTER
ACCREDITED BY NIST. NVLAP LAB CODE 1382

MC, Inc. ANALYTICAL LABOR ORY

LAB	CLIENT
OMC, Inc. Environmental Consultants 4451 Parliament Place Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, SW WASHINGTON, DC 20407

06/28/89 PAGE 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample taken on 06/23 at NEW EXECUTIVE OFFICE BUILDING

Sample Number : 038-NEOBDC-18-06/23-B0008

Location: PL: ROUGH PLASTER, FIRST FLOOR OUTSIDE LIBRARY

ANALYSIS

Appearance: Heterogeneous
Texture is: Fibrous
Color is: white
FIBROUS TAN MATERIAL PRESENT

ASBESTOS MATERIALS
Chrysotile 15 % - 20 %

****
* ASBESTOS CONCENTRATION IS 15% - 20% *
****

FIBROUS MATERIALS
Organic Fibers 15 % - 20 %

Fibrous Concentration is 15 % - 20 %

NON-FIBROUS MATERIALS
Carbonate Foam Opaques Silicates
Various other materials

Non-Fibrous Concentration is 60 % - 65 %

Reference : 135 035352 RECEIVED: 06/26/89 ANALYZED: 06/28/89

Michael A. Cecil, CIH
LAB DIRECTOR

Analyzed By : CJP Christopher Pepino

Reviewed By : Valerie Gray 6/28/89

E P A INTERIM METHOD FOR FRIABLE MATERIAL
ACCREDITED BY NIST. NVLAP LAB CODE 1382

93-0550
Reviewed/Mailed T.S.
MAR 17 1993

ENVIRONMENTAL[sm]

4611 Assembly Drive
Suite N
Lanham, MD 20706
TEL: (301) 306-0632
FAX: (301) 306-9354

CANDFILE DC010522

February 11, 1993

Asbestos Assessment
Bathrooms and Corridors-New Executive
Office Building
OMC PROJECT #: 038-NEOBDC-37

Performed for:

GSA, NCR, WPX
Room 2
7th and D Streets, S.W.
Washington, DC 20407

Contract #: GS11P87MJD0030

Order #: P1193DC9093
Pay #: P09373291

Attn: Ms. Normajean Eleazer

OMC has completed laboratory analysis to determine the presence of asbestos in the bulk samples collected by Paul Goodier from the New Executive Office Building and submitted to the OMC Laboratory on February 2, 1993.

Sample analysis was performed in accordance with the Environmental Protection Agency's (EPA) Interim Method for the Determination of Asbestos in Bulk Samples. This method employs polarized light microscopy to identify a sample's fibrous components. No asbestos was detected in any of the eight (8) samples collected.

Analytical results are enclosed for your review.

If you have any questions, please contact our office.

Sincerely,

Patsy W. Glinsmann, CIH
Manager, Industrial Hygiene Services

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/05/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/02 at NEW EXECUTIVE OFFICE BUILDING**

Sample Number: 038-NEOBDC-37-02/02-B0001

Location: EIGHTH FLOOR MEN'S ROOM, CEILING PLASTER

Appearance: Homogeneous
Texture is: Cementitious
Color is: white

ASBESTOS MATERIALS

****
*** ASBESTOS CONCENTRATION IS NOT DETECTED ***
****

FIBROUS NON-ASBESTOS MATERIALS

Cellulose	1 % - 5 %
Fibrous Concentration is	1 % - 5 %

NON-FIBROUS MATERIALS

Carbonates Opaques Silicates filler/binder micaceous matls

Non-Fibrous Concentration is 95 % - 100 %

Reference : 187 095045 RECEIVED: 02/04/93 ANALYZED: 02/05/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By:
LAB DIRECTOR

O M C METHOD FOR CEMENT;CONCRETE;BROWNCOAT;PLASTER
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/05/93

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/02 at NEW EXECUTIVE OFFICE BUILDING**

Sample Number: 038-NEOBDC-37-02/02-B0002

Location: EIGHTH FLOOR MEN'S ROOM, DUST ABOVE CEILING

Appearance: Homogeneous
Texture is: Tar-like
Color is: black

ASBESTOS MATERIALS

****
* **ASBESTOS CONCENTRATION IS NOT DETECTED** *
****

NON-FIBROUS MATERIALS

Carbonates filler/binder

Non-Fibrous Concentration is 95 % - 100 %

Reference : 187 095046 RECEIVED: 02/04/93 ANALYZED: 02/05/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By:
LAB DIRECTOR

O M C METHOD FOR TAR OR MASTIC
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/05/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/02 at NEW EXECUTIVE OFFICE BUILDING**

Sample Number: 038-NEOBDC-37-02/02-B0003

Location: EIGHTH FLOOR HALLWAY, CEILING PLASTER

Appearance: Homogeneous
Texture is: Cementitious
Color is: white

ASBESTOS MATERIALS

****
* **ASBESTOS CONCENTRATION IS NOT DETECTED** *
****

NON-FIBROUS MATERIALS

Carbonates Opaques Silicates filler/binder

Non-Fibrous Concentration is 95 % - 100 %

Reference : 187 095047 RECEIVED: 02/04/93 ANALYZED: 02/05/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By:
LAB DIRECTOR

O M C METHOD FOR CEMENT;CONCRETE;BROWNCOAT;PLASTER
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/05/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/02 at NEW EXECUTIVE OFFICE BUILDING**

Sample Number: 038-NEOBDC-37-02/02-B0004

Location: EIGHTH FLOOR HALLWAY, CEILING PLASTER

Appearance: Homogeneous
Texture is: Cementitious
Color is: white

ASBESTOS MATERIALS

****
* **ASBESTOS CONCENTRATION IS NOT DETECTED** *
****

NON-FIBROUS MATERIALS

Carbonates Opaques Silicates filler/binder

Non-Fibrous Concentration is 95 % - 100 %

Reference : 187 095048 RECEIVED: 02/04/93 ANALYZED: 02/05/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By:
LAB DIRECTOR

O M C METHOD FOR CEMENT;CONCRETE;BROWNCOAT;PLASTER
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/05/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/02 at NEW EXECUTIVE OFFICE BUILDING**

Sample Number: 038-NEOBDC-37-02/02-B0005

Location: EIGHTH FLOOR HALLWAY, CEILING PLASTER

Appearance: Heterogeneous
Texture is: Cementitious
Color is: beige white

ASBESTOS MATERIALS

****
* **ASBESTOS CONCENTRATION IS NOT DETECTED** *
****

NON-FIBROUS MATERIALS

Carbonates Opaques Silicates filler/binder

Non-Fibrous Concentration is % - 95 %

Reference : 187 095049 RECEIVED: 02/04/93 ANALYZED: 02/05/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By:
LAB DIRECTOR

O M C METHOD FOR PAINT
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/05/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/02 at NEW EXECUTIVE OFFICE BUILDING**

Sample Number: 038-NEOBDC-37-02/02-B0006

Location: EIGHTH FLOOR, MEN'S BATHROOM, CEILING DUST

Appearance: Homogeneous
Texture is: Cementitious
Color is: black

ASBESTOS MATERIALS

****
*** ASBESTOS CONCENTRATION IS NOT DETECTED ***
****

FIBROUS NON-ASBESTOS MATERIALS

Cellulose	1 % - 5 %
Mineral Wool	1 % - 5 %
Synthetic	1 % - 5 %
Fibrous Concentration is	10 % - 15 %

NON-FIBROUS MATERIALS

Carbonates Opaques Silicates filler/binder

Non-Fibrous Concentration is 85 % - 90 %

Reference : 187 095050 RECEIVED: 02/04/93 ANALYZED: 02/05/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By:
LAB DIRECTOR

O M C METHOD FOR CEMENT;CONCRETE;BROWNCOAT;PLASTER
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/05/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/02 at NEW EXECUTIVE OFFICE BUILDING**

Sample Number: 038-NEOBDC-37-02/02-B0007

Location: MEN'S BATHROOM CEILING PLASTER

Appearance: Homogeneous
Texture is: Cementitious
Color is: white

ASBESTOS MATERIALS

****
*** ASBESTOS CONCENTRATION IS NOT DETECTED ***
****

NON-FIBROUS MATERIALS

Carbonates Opaques Silicates filler/binder

Non-Fibrous Concentration is 95 % - 100 %

Reference : 187 095051 RECEIVED: 02/04/93 ANALYZED: 02/05/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By:
LAB DIRECTOR

O M C METHOD FOR CEMENT;CONCRETE;BROWNCOAT;PLASTER
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/05/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/02 at NEW EXECUTIVE OFFICE BUILDING**

Sample Number: 038-NEOBDC-37-02/02-B0008

Location: PLASTER

Appearance: Homogeneous
Texture is: Cementitious
Color is: white

ASBESTOS MATERIALS

****
*** ASBESTOS CONCENTRATION IS NOT DETECTED ***
****

NON-FIBROUS MATERIALS

Carbonates Opaques Silicates filler/binder

Non-Fibrous Concentration is 95 % - 100 %

Reference : 187 095052 RECEIVED: 02/04/93 ANALYZED: 02/05/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By:
LAB DIRECTOR

O M C METHOD FOR CEMENT;CONCRETE;BROWNCOAT;PLASTER
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

(DC0105ZZ)
NEOB
Asbestos Bulks

ASBESTOS SURVEY
FOR
RENOVATION

NEW EXECUTIVE
OFFICE BUILDING
725 SEVENTEENTH STREET, N.W.
WASHINGTON, D.C,. 20006

PERFORMED FOR

SUMMER CONSULTANTS, INC.
6845 ELM STREET
SUITE 200
McLEAN, VA 22102

CONDUCTED BY

ENVIRONMENTAL MANAGEMENT SYSTEMS, INC., (EMS)
808 17TH STREET, N.W., SUITE 440
WASHINGTON, D.C. 20006
(202) 463-4900

March 21, 1991

MAR 22 1991

SUMMER
CONSULTANTS, INC.

TABLE OF CONTENTS

I. INTRODUCTION

II. ASBESTOS SAMPLING ANALYSIS

III. FINDINGS

IV. DRAWINGS

V. LABORATORY ANALYTICAL RESULTS

I. INTRODUCTION

On February 28 and March 8, 1991, personnel from Environmental Management Systems, Inc., (EMS) performed an asbestos survey and fibers-in-air sampling at the New Executive Office Building located in Washington, D.C. The purpose of this survey was to locate and sample all suspected asbestos-containing materials (ACM) present that may be impacted by the renovation of the air handling units in this facility and to establish baseline fibers-in-air levels.

Asbestos is a naturally occurring fibrous material that is fire resistant, durable, and has excellent insulating properties. Because of these characteristics, asbestos was used in construction materials such as thermal and acoustical insulation, cement products, plaster, vinyl floor tiles, and sprayed-on applications for fireproofing.

Inhalation of asbestos fibers has been found to cause the lung diseases: asbestosis, lung cancer, cancer of the chest and abdominal lining (mesothelioma), and cancer of the esophagus, stomach and colon. Exposure to asbestos must therefore be minimized. The Occupational Safety and Health Administration (OSHA) and the Environmental Protection Agency (EPA) prohibit the use of, and regulate the removal of friable materials containing greater than 1% asbestos.

EPA defines any material having an asbestos content of greater than one percent (1%) by volume as an asbestos-containing material. Asbestos-containing materials (ACM) are considered friable if they can be pulverized or reduced to dust by hand pressure. This survey included the inspection sampling and analysis of both friable and non-friable (ACM).

A total of twenty-six (26) bulk samples were collected of various representative suspect materials. These samples were analyzed using Polarized Microscopy (PLM) in conjunction with oil dispersion staining techniques. A total sixteen (16) fibers-in-air samples were collected throughout the penthouse mechanical rooms. The air samples were analyzed using NIOSH Method 7400 utilizing phase contrast microscopy (PCM). (For detailed descriptions of sampled materials and sample analysis, see Section II, Table I and Table II).

II. ASBESTOS SAMPLING ANALYSIS

Bulk samples of material suspected of containing friable asbestos were obtained and analyzed to determine the type and percentage of asbestos present. All bulk samples were collected in accordance with EPA Guidance for Controlling Friable Asbestos-Containing Materials in Buildings. All bulk samples were analyzed by a laboratory which participates in the National Voluntary Laboratory Accreditation Program (NVLAP) and is accredited by the American Industrial Hygiene Association (AIHA).

Fibers-in-air sample analyses were performed by EMS personnel utilizing NIOSH 7400. EMS laboratory participates in the Proficiency Analytical Testing Program (PAT).

TABLE I: Results of bulk analyses of samples collected from the New Executive Office Building , Washington, D.C., February 28, 1991 are as follows:

Sample Number	Location/Description	Asbestos Type	Asbestos Content
022891-01JL	East Penthouse/Flex connector	---	NAD
022891-02JL	East Penthouse/Mastic inside air handler	Chrysotile	10-15%
022891-03JL	East Penthouse/Mudded Pipe elbow on cold water supply	---	NAD
022891-04JL	East Penthouse/Cloth Cover on cold water fiberglass pipe	---	NAD
022891-05JL	East Penthouse/Mudded Pipe elbow on cold water supply	---	NAD
022891-06JL	East Penthouse/Cloth Cover on cold water return pipe	---	NAD
022891-07JL	East Penthouse/Mudded Valve insulation on cold water pipe	---	NAD
022891-08JL	East Penthouse/Cloth Cover from cold water return pipe	---	NAD
022891-09JL	East Penthouse/Flex-connector	---	NAD
022891-10JL	East Penthouse/Mastic inside air-handler	Chrysotile	10-15%
022891-11JL	East Penthouse/Mudded Pipe elbow on cold water supply	---	NAD
022891-12JL	East Penthouse/Cloth Cover on cold water return pipe	---	NAD

Sample Number	Location/Description	Asbestos Type	Asbestos Content
022891-13JL	East Penthouse/Flex-connector	---	NAD
022891-14JL	East Penthouse/Flex-connector	---	NAD
022891-15JL	East Penthouse/Outside air-handler insulation	Chrysotile	65-70%
022891-16JL	East Penthouse/Concrete Ceiling	---	NAD
022891-17JL	West Penthouse/Mastic inside air-handler	Chrysotile	25-30%
022891-18JL	West Penthouse/Mastic inside air-handler	Chrysotile	25-30%
022891-19JL	West Penthouse/Mudded Pipe elbow from cold water supply	---	NAD
022891-20JL	West Penthouse/Cloth Cover from cold water return	---	NAD
022891-21JL	West Penthouse/Cloth Cover from chilled water supply	---	NAD
022891-22JL	West Penthouse/Debris on floor	---	NAD
022891-23JL	West Penthouse/Cloth Cover from chilled water supply	Chrysotile	less than 1%
022891-24JL	West Penthouse/Debris on floor	Chrysotile Amosite	less than 1% less than 1%
022891-25JL	West Penthouse/Cloth Cover from chilled water supply	---	NAD
022891-26JL	West Penthouse/Debris on floor	---	NAD

*NAD - No Asbestos detected

TABLE 2: Results of Fibers-in-Air samples collected from the New Executive Office Building on March 8, 1991

Sample Numbers	Location	Concentration (fibers/cc)
030891-01JL	East Penthouse, outside AHU A-11-2	less than 0.01
030891-02JL	East Penthouse, inside AHU A-11-2	less than 0.01

Sample Numbers	Location	Concentration (fibers/cc)
030891-03JL	East Penthouse, A-11-2 mixing chamber	less than 0.01
030891-04JL	East Penthouse, next to A-11-2	less than 0.01
030891-05JL	East Penthouse, next to A-11-3	less than 0.01
030891-06JL	East Penthouse, inside A-11-3	less than 0.01
030891-07JL	East Penthouse, outside A-11-3	less than 0.01
030891-08JL	East Penthouse, A-11-3 mixing chamber	less than 0.01
030891-09JL	West Penthouse, next to A-11-4	less than 0.01
030891-10JL	West Penthouse, A-11-4 mixing chamber	less than 0.01
030891-11JL	West Penthouse, inside AHU A-11-4	less than 0.01
030891-12JL	West Penthouse, next to A-11-4	less than 0.01
030891-13JL	West Penthouse, next to A-11-1	less than 0.01
030891-14JL	West Penthouse, A-11-1 mixing chamber	less than 0.01
030891-15JL	West Penthouse, inside AHU A-11-1	less than 0.01
030891-16JL	West Penthouse, outside A-11-1	less than 0.01
030891-17JL	Field Blank	NFO*

*NFO - No Fibers Observed

III. FINDINGS

Of the twenty-six (26) bulk samples submitted for analysis, five (5) were found to be asbestos-containing material (ACM) by EPA definition (greater than 1% by volume).

Penthouse Mechanical Rooms

During this survey, representative samples of suspect ACMs were collected from pre-determined components throughout the East and West Penthouse Mechanical Rooms as directed by Summer Consultants, Inc. The materials sampled included flex-connectors, mastic applied on fiberglass from the inside of the air-handlers, insulation on the outside of the air-handlers, mudded pipe insulation, cloth cover on fiberglass pipe insulation, concrete ceiling material, and debris on the floor.

Of the materials sampled, black tar mastic applied on fiberglass from the inside of the air-handlers and insulation on the outside of the air-handlers were found to be asbestos-containing. The black tar mastic on the inside of the air-handler units is non-friable in its present form and is used as sealant applied to fiberglass insulation.

Insulation on the outside of the air-handler units and associated air ducts contains 65-70% Chrysotile and is friable in its present condition. Some localized damage with exposed friable areas were observed on the outside duct insulation throughout the penthouses. Any disturbances to this material will cause an asbestos fiber release.

Air Sample Results

Of the sixteen (16) fibers-in-air samples collected throughout the Penthouse Mechanical Rooms, all were determined to contain less than 0.01 fibers per cubic centimeter. These air sample levels meet the recommended standard for re-occupancy set by the Environmental Protection Agency (EPA)

LMT3/a

IV DRAWINGS:

V LABRATORY ANALYTICAL RESULTS:

AMA Analytical Services, Inc.

An AIHA (#244) and NVLAP (#1143) Accredited Laboratory

CERTIFICATE OF ANALYSIS

Environmental Mgmt. Systems
808 17th Street N.W. #440
Washington, DC 20006

JOB SITE: Not provided
JOB NUMBER: 41-64-14
SUBMITTED BY: Environmental Mgmt. Services

DATE ANALYZED: 03/05/91
CHAIN OF CUSTODY #: 13197
PERSON SUBMITTING: John Leonard

ATTENTION: John Leonard

SUMMARY OF POLARIZED LIGHT MICROSCOPY

CUST SAMPLE ID	AMA SAMPLE NUMBER	ASBESTOS PRESENT*	/---------ASBESTOS %---------/ CHRYSO-TILE	AMOSITE	CROCIDO-LITE	OTHER	/--OTHER FIBROUS MATERIAL %--/ MINERAL WOOL	FIBROUS GLASS	ORGANIC FIBERS	OTHER	/-NON-FIBROUS-/ MATERIAL % PART.	OTHER	ANL. ID**	PHYSICAL APPEARANCE OF LOCATION
022891-01JL	9102892	N	-----	-----	-----	-----	-----	80-85	-----	-----	15-20	-----	AS	FLEX-CONNECTER
022891-02JL	9102893	P	10-15	-----	-----	-----	-----	10-15	-----	-----	70-80	-----	AS	MASTIC/FIBERGLASS
022891-03JL	9102894	N	-----	-----	-----	-----	30-35	-----	<1	-----	65-70	-----	AS	MUDDED PIPE ELBOW
022891-04JL	9102895	N	-----	-----	-----	-----	-----	10-15	05-10	-----	75-85	-----	AS	CLOTH PIPE COVERING
022891-05JL	9102896	N	-----	-----	-----	-----	30-35	-----	<1	-----	65-70	-----	AS	MUDDED PIPE ELBOW
022891-06JL	9102897	N	-----	-----	-----	-----	-----	20-25	20-25	-----	50-60	-----	AS	CLOTH PIPE COVERING
022891-07JL	9102898	N	-----	-----	-----	-----	30-35	-----	<1	-----	65-70	-----	AS	MUDDED VALVE INSULATION
022891-08JL	9102899	N	-----	-----	-----	-----	-----	15-20	30-35	-----	45-55	-----	AS	CLOTH/TAR PIPE COVERING
022891-09JL	9102900	N	-----	-----	-----	-----	-----	85-90	-----	-----	10-15	-----	AS	FLEX-CONNECTOR
022891-10JL	9102901	P	10-15	-----	-----	-----	20-25	-----	10-15	-----	50-55	-----	AS	MASTIC/FIBERGLASS
022891-11JL	9102902	N	-----	-----	-----	-----	30-35	-----	<1	-----	65-70	-----	AS	MUDDED PIPE ELBOW

COMMENTS: * P = ASBESTOS PRESENT ** ANALYST ID CODE (SEE LAST PAGE)
N = ASBESTOS NOT OBSERVED

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. All rights reserved. AMA Analytical Services, Inc.

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AMA Analytical Services, Inc.

An AIHA (#244) and NVLAP (#1143) Accredited Laboratory

CERTIFICATE OF ANALYSIS

Environmental Mgmt. Systems
808 17th Street N.W. #440
Washington, DC 20006

JOB SITE: Not provided
JOB NUMBER: 41-64-14
SUBMITTED BY: Environmental Mgmt. Services

DATE ANALYZED: 03/05/91
CHAIN OF CUSTODY #: 13127
PERSON SUBMITTING: John Leonard

ATTENTION: John Leonard

SUMMARY OF POLARIZED LIGHT MICROSCOPY

CUST SAMPLE ID	AMA SAMPLE NUMBER	ASBESTOS PRESENT*	ASBESTOS % CHRYSO-TILE	AMOSITE	CROCIDO-LITE	OTHER	OTHER FIBROUS MATERIAL % MINERAL WOOL	FIBROUS GLASS	ORGANIC FIBERS	OTHER	NON-FIBROUS MATERIAL % PART.	OTHER	ANL. ID**	PHYSICAL APPEARANCE OR LOCATION
022891-13JL	9102903	N	-----	-----	-----	-----	-----	10-15	25-30	-----	55-65	-----	AS	CLOTH PIPE COVERING
022891-12JL	9102904	N	-----	-----	-----	-----	-----	<1	45-50	-----	50-55	-----	AS	FLEX-CONNECTOR
022891-14JL	9102905	N	-----	-----	-----	-----	-----	-----	50-55	-----	45-50	-----	AS	FLEX-CONNECTOR
022891-15JL	9102906	P	65-70	-----	-----	-----	-----	-----	-----	-----	30-35	-----	AS	AIR-HANDLER COVER INSULATION
022891-16JL	9102907	N	-----	-----	-----	-----	-----	-----	-----	-----	100	-----	AS	CONCRETE CEILING
022891-17JL	9102908	P	25-30	-----	-----	-----	-----	05-10	-----	-----	60-70	-----	AS	MASTIC/FIBERGLASS
022891-18JL	9102909	P	20-25	-----	-----	-----	10-15	-----	-----	-----	60-70	-----	AS	MASTIC/FIBERGLASS
022891-19JL	9102910	N	-----	-----	-----	-----	30-35	-----	<1	-----	65-70	-----	AS	MUDDED PIPE ELBOW
022891-20JL	9102911	N	-----	-----	-----	-----	-----	15-20	20-25	-----	55-65	-----	AS	CLOTH PIPE COVERING
022891-21JL	9102912	N	-----	-----	-----	-----	-----	20-25	20-25	-----	50-60	-----	AS	CLOTH PIPE COVERING
022891-22JL	9102913	N	-----	-----	-----	-----	30-35	-----	<1	-----	65-70	-----	AS	DEBRIS ON FLOOR

COMMENTS: * P = ASBESTOS PRESENT
N = ASBESTOS NOT OBSERVED

** ANALYST ID CODE (SEE LAST PAGE)

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CERTIFICATE OF ANALYSIS

Environmental Mgmt. Systems
903 17th Street N.W. #440
Washington, DC 20006

JOB SITE: Not provided
JOB NUMBER: 41-64-14
SUBMITTED BY: Environmental Mgmt. Services

DATE ANALYZED: 03/05/91
CHAIN OF CUSTODY #: 13197
PERSON SUBMITTING: John Leonard

ATTENTION: John Leonard

SUMMARY OF POLARIZED LIGHT MICROSCOPY

CUST SAMPLE ID	AMA SAMPLE NUMBER	ASBESTOS PRESENT*	/---------ASBESTOS %---------/ CHRYSO-TILE	AMOSITE	CROCIDO-LITE	OTHER	/--OTHER FIBROUS MATERIAL %--/ MINERAL WOOL	GLASS	FIBROUS ORGANIC FIBERS	OTHER	/-NON-FIBROUS-/ MATERIAL % PART.	OTHER	ANL. ID**	PHYSICAL APPEARANCE OR LOCATION
022891-23JL	9102914	P	<1	-----	-----	-----	-----	20-25	35-40	-----	35-45	-----	AS	CLOTH PIPE COVERING
022891-24JL	9102915	P	<1	<1	-----	-----	30-35	-----	<1	-----	65-70	-----	AS	DEBRIS ON FLOOR
022891-25JL	9102916	N	-----	-----	-----	-----	-----	20-25	35-40	-----	35-45	-----	AS	CLOTH PIPE COVERING
022891-26JL	9102917	N	-----	-----	-----	-----	30-35	-----	<1	-----	65-70	-----	AS	DEBRIS ON FLOOR

COMMENTS: * P = ASBESTOS PRESENT
N = ASBESTOS NOT OBSERVED

** ANALYST ID CODE (SEE SIGNATURE)

LAST PAGE OF 3 PAGE(S)

Sample(s) analyzed by EPA Interim Method for the Determination of Asbestos in Bulk Insulation Samples.

Andreas Saldivar

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. All rights reserved. AMA Analytical Services, Inc.

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93-0559
Reviewed/Mailed F.S.

MAR 18 1993
AC010522
CANOFILE

ENVIRONMENTAL[sm]

4611 Assembly Drive
Suite N
Lanham, MD 20706
TEL: (301) 306-0632
FAX: (301) 306-9354

March 2, 1993

Bulk Sampling
New Executive Office Building
OMC PROJECT #: 038-NEOBDC-38

Performed for:

GSA, NCR, WPX
7th and D Streets, S.W.
Washington, DC 20407

Contract #: GS11P87MJD0030

Order #: P1193DC9127
Pay #: P09373796

Attn: Ms. Normajean Eleazer

On February 24, 1993, Carla DeWolf of OMC Environmental, Inc. collected bulk samples in the New Executive Office Building, 17th Street, NW, Washington, DC. Sample locations were selected by Mr. Bob Reaver.

The laboratory sample results show that no asbestos was detected in the duct insulation in the supply room. However, the six (6) samples of duct insulation (supply and return) in the Carpenter shop store room are positive for asbestos content. Reports of the laboratory analyses are included with this report.

SAMPLING METHODOLOGY

Nine (9) samples of duct insulation were collected from the ductwork in the supply room and the carpenter shop store room.

The suspected asbestos materials were submitted to the OMC Laboratory and analyzed according to the Environmental Protection Agency's Interim Method for the Determination of Asbestos in Bulk Samples. This method employes polarized light microscopy (PLM) to identify a sample's fibrous components.

Should you have any questions concerning this matter, please do not hesitate to contact this office.

Sincerely,

Patsy W. Glinsmann, CIH
Manager, Industrial Hygiene Services

OMC, Inc. LABORATOR'

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/24/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/24 at NEW EXECUTIVE BUILDING, 17TH ST., WASH., DC**

Sample Number: 038-NEOBDC-38-02/24-B0001

Location: SUPPLY ROOM - LARGE ROUND 32" SUPPLY DUCT

Appearance: Heterogeneous
Texture is: Fibrous Cementitious
Color is: yellow brown white silver

ASBESTOS MATERIALS

****
* **ASBESTOS CONCENTRATION IS NOT DETECTED** *
****

FIBROUS NON-ASBESTOS MATERIALS

Cellulose	45 % - 50 %
Glass fibers	20 % - 25 %
Fibrous Concentration is	70 % - 75 %

NON-FIBROUS MATERIALS

Carbonates Tar metal foil

Non-Fibrous Concentration is 25 % - 30 %

Reference : 187 095569 RECEIVED: 02/24/93 ANALYZED: 02/24/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By: CJD
LAB DIRECTOR

E P A INTERIM METHOD FOR FRIABLE MATERIAL
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

OMC, Inc. LABORATORY

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/24/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/24 at NEW EXECUTIVE BUILDING, 17TH ST., WASH., DC**

Sample Number: 038-NEOBDC-38-02/24-B0002

Location: SUPPLY ROOM - LARGE ROUND 32" SUPPLY DUCT

Appearance: Heterogeneous
Texture is: Fibrous
Color is: black beige white

ASBESTOS MATERIALS

****
*** ASBESTOS CONCENTRATION IS NOT DETECTED ***
****

FIBROUS NON-ASBESTOS MATERIALS

Cellulose	55 % - 60 %
Glass fibers	5 % - 10 %
Fibrous Concentration is	65 % - 70 %

NON-FIBROUS MATERIALS

Carbonates Tar filler/binder

Non-Fibrous Concentration is 30 % - 35 %

Reference : 187 095570 RECEIVED: 02/24/93 ANALYZED: 02/24/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By: CJD
LAB DIRECTOR

E P A INTERIM METHOD FOR FRIABLE MATERIAL
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

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02/24/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/24 at NEW EXECUTIVE BUILDING, 17TH ST., WASH., DC**

Sample Number: 038-NEOBDC-38-02/24-B0003

Location: SUPPLY ROOM - LARGE ROUND 32" SUPPLY DUCT

Appearance: Heterogeneous
Texture is: Fibrous
Color is: yellow black white

ASBESTOS MATERIALS

****
*** ASBESTOS CONCENTRATION IS NOT DETECTED ***
****

FIBROUS NON-ASBESTOS MATERIALS

Cellulose	40 % - 45 %
Glass fibers	30 % - 35 %
Fibrous Concentration is	75 % - 80 %

NON-FIBROUS MATERIALS

Carbonates Tar filler/binder

Non-Fibrous Concentration is 20 % - 25 %

Reference : 187 095571 RECEIVED: 02/24/93 ANALYZED: 02/24/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By: CJD
LAB DIRECTOR

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ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

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02/24/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/24 at NEW EXECUTIVE BUILDING, 17TH ST., WASH., DC**

Sample Number: 038-NEOBDC-38-02/24-B0004

Location: CARPENTER SHOP STORE ROOM - FLAT 4' DUCT RETURN

Appearance: Homogeneous
Texture is: Fibrous Cementitious
Color is: grey

ASBESTOS MATERIALS

Chrysotile	20 % - 25 %

****
* **ASBESTOS CONCENTRATION IS 20% - 25%** *
****

FIBROUS NON-ASBESTOS MATERIALS

Cellulose	5 % - 10 %
Glass fibers	20 % - 25 %
Fibrous Concentration is	55 % - 60 %

NON-FIBROUS MATERIALS

Carbonates Opaques filler/binder

Non-Fibrous Concentration is 40 % - 45 %

Reference : 187 095572 RECEIVED: 02/24/93 ANALYZED: 02/24/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By: CJD
LAB DIRECTOR

E P A INTERIM METHOD FOR FRIABLE MATERIAL
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02/24/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/24 at NEW EXECUTIVE BUILDING, 17TH ST., WASH., DC**

Sample Number: 038-NEOBDC-38-02/24-B0005

Location: CARPENTER SHOP STORE ROOM - FLAT 4' DUCT RETURN

Appearance: Homogeneous
Texture is: Fibrous Cementitious
Color is: grey

ASBESTOS MATERIALS

Chrysotile	15 % - 20 %

****
* **ASBESTOS CONCENTRATION IS 15% - 20%** *
****

FIBROUS NON-ASBESTOS MATERIALS

Cellulose	1 % - 5 %
Mineral Wool	35 % - 40 %
Fibrous Concentration is	60 % - 65 %

NON-FIBROUS MATERIALS

Carbonates Opaques filler/binder

Non-Fibrous Concentration is 35 % - 40 %

Reference : 187 095573 RECEIVED: 02/24/93 ANALYZED: 02/24/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By: CJD
LAB DIRECTOR

E P A INTERIM METHOD FOR FRIABLE MATERIAL
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

OMC, Inc. LABORATORY

LAB	CLIENT
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02/24/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/24 at NEW EXECUTIVE BUILDING, 17TH ST., WASH., DC**

Sample Number: 038-NEOBDC-38-02/24-B0006

Location: CARPENTER SHOP STORE ROOM - FLAT 4' DUCT RETURN

Appearance: Homogeneous
Texture is: Fibrous Cementitious
Color is: grey

ASBESTOS MATERIALS

Chrysotile	10 % - 15 %

****
* **ASBESTOS CONCENTRATION IS 10% - 15%** *
****

FIBROUS NON-ASBESTOS MATERIALS

Cellulose	1 % - 5 %
Mineral Wool	45 % - 50 %
Fibrous Concentration is	65 % - 70 %

NON-FIBROUS MATERIALS

Carbonates	Opaques	filler/binder

Non-Fibrous Concentration is 30 % - 35 %

Reference : 187 095574 RECEIVED: 02/24/93 ANALYZED: 02/24/93

David Kichula, C.I.H. Analyst: RCJ _____ Reviewed By: _____
LAB DIRECTOR

E P A INTERIM METHOD FOR FRIABLE MATERIAL
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

OMC, Inc. LABORATOR'

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/24/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/24 at NEW EXECUTIVE BUILDING, 17TH ST., WASH., DC**

Sample Number: 038-NEOBDC-38-02/24-B0007

Location: CARPENTER SHOP STORE ROOM - 30" ROUND SUPPLY DUCT

Appearance: Homogeneous
Texture is: Fibrous Cementitious
Color is: grey

ASBESTOS MATERIALS

Chrysotile	5 % - 10 %

****
* **ASBESTOS CONCENTRATION IS 5% - 10%** *
****

FIBROUS NON-ASBESTOS MATERIALS

Cellulose	1 % - 5 %
Mineral Wool	45 % - 50 %
Fibrous Concentration is	60 % - 65 %

NON-FIBROUS MATERIALS

Carbonates	Opaques	filler/binder

Non-Fibrous Concentration is 35 % - 40 %

Reference : 187 095575 RECEIVED: 02/24/93 ANALYZED: 02/24/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By: CJD
LAB DIRECTOR

E P A INTERIM METHOD FOR FRIABLE MATERIAL
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

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02/24/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/24 at NEW EXECUTIVE BUILDING, 17TH ST., WASH., DC**

Sample Number: 038-NEOBDC-38-02/24-B0008

Location: CARPENTER SHOP STORE ROOM - 30" ROUND SUPPLY DUCT

Appearance: Homogeneous
Texture is: Fibrous Cementitious
Color is: grey

ASBESTOS MATERIALS

Chrysotile	35 % - 40 %

****
* **ASBESTOS CONCENTRATION IS 35% - 40%** *
****

FIBROUS NON-ASBESTOS MATERIALS

Cellulose	1 % - 5 %
Mineral Wool	25 % - 30 %
Fibrous Concentration is	70 % - 75 %

NON-FIBROUS MATERIALS

Carbonates	Opaques	filler/binder

Non-Fibrous Concentration is 25 % - 30 %

Reference : 187 095576 RECEIVED: 02/24/93 ANALYZED: 02/24/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By: CJD
LAB DIRECTOR

E P A INTERIM METHOD FOR FRIABLE MATERIAL
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

OMC, Inc. LABORATOR'

LAB	CLIENT
OMC Inc. Environmental Services 4611-N Assembly Drive Lanham, MD 20706 (301) 306-0632	GSA, NCR, WPX ROOM 2036 7TH AND D STREETS, S.W. WASHINGTON, DC 20407

02/24/93 PAGE: 001

POLARIZED LIGHT MICROSCOPY ANALYSIS

Sample(s) taken on **02/24 at NEW EXECUTIVE BUILDING, 17TH ST., WASH., DC**

Sample Number: 038-NEOBDC-38-02/24-B0009

Location: CARPENTER SHOP STORE ROOM - 30" ROUND SUPPLY DUCT

Appearance: Homogeneous
Texture is: Fibrous Cementitious
Color is: grey

ASBESTOS MATERIALS

Chrysotile	20 % - 25 %

****
* **ASBESTOS CONCENTRATION IS 20% - 25%** *
****

FIBROUS NON-ASBESTOS MATERIALS

Cellulose	1 % - 5 %
Mineral Wool	30 % - 35 %
Fibrous Concentration is	60 % - 65 %

NON-FIBROUS MATERIALS

Carbonates Opaques filler/binder

Non-Fibrous Concentration is 35 % - 40 %

Reference : 187 095577 RECEIVED: 02/24/93 ANALYZED: 02/24/93

David Kichula, C.I.H. Analyst: RCJ Reviewed By: CJD
LAB DIRECTOR

E P A INTERIM METHOD FOR FRIABLE MATERIAL
ACCREDITED BY NIST. NVLAP LAB CODE 1311-01

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 17th ST NW WASH DC
BLDG NO.:

ASSESSMENT DATE: 2-24-93

AMOUNT(sq ft): _____
or (linear ft) 30

Location In Bldg: Supply Room
(include Functional Space)

HOMOGENEOUS AREA: DUCT WORK

Type of Material	Damage	Accessibility
__Fireproofing	X None	__High
__Acoustic Plaster	__Minor	__Medium
__Acoustic Tile	__Significant	X Low
X Thermal Systems Insulation		
__Vinyl Floor Tile		Air Plenum___
__Other:		(Y or N)_

Friability	Traffic	AHERA Classification*
__High	__High	7
__Medium	__Med	
X Low	X Low	

*1 damaged or significantly damaged TSI, 2. damaged friable surfacing ACM, 3. significantly damaged friable surfacing ACM, 4. damaged or significantly damaged friable miscellaneous ACM 5. ACBM with potential for damage, 6. ACBM with potential for significant damage, 7. any remaining friable ACBM or friable suspected ACBM

Sample Number	Sample location	Result
038-NEOBDC-38-2-K4-B1	32" DUCT Supply Room	ND
B2		ND
B3		ND

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling protocols, analytical protocols and definitions. If ACM, include percent and type in result (e.g. 50 percent/Chrysotile).

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 17 STNWWASH DC
BLDG NO.:

ASSESSMENT DATE: 2-24-93

AMOUNT(sq ft):
or (linear ft) 30 TOTAL.

Location In Bldg: CARPENTER STORE Rm.
(include Functional Space)

HOMOGENEOUS AREA: DUCT WORK

Type of Material	Damage	Accessibility
__Fireproofing	__None	__High
__Acoustic Plaster	X Minor	__Medium
__Acoustic Tile	__Significant	X Low
X Thermal Systems Insulation		
__Vinyl Floor Tile		Air Plenum___
__Other:_____		(Y or N) Y

Friability	Traffic	AHERA Classification*
X High	__High	7
__Medium	__Med	
__Low	X Low	

*1 damaged or significantly damaged TSI, 2. damaged friable surfacing ACM, 3. significantly damaged friable surfacing ACM, 4. damaged or significantly damaged friable miscellaneous ACM 5. ACBM with potential for damage, 6. ACBM with potential for significant damage, 7. any remaining friable ACBM or friable suspected ACBM

Sample Number	Sample location	Result
038-NEOBDC-38-2-24-B4	FLAT 4' RETURN DUCT	20-25% Chrysotile
B5		15-20% Chrysotile
B6		10-15% Chrysotile
B7	ROUND 30" SUPPLY DUCT	5-10% Chrysotile
B8		35-40% Chrysotile
B9		20-25% Chrysotile

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling protocols, analytical protocols and definitions. If ACM, include percent and type in result (e.g. 50 percent/Chrysotile).

DC0105ZZ CF

REPORT ON THE ASBESTOS IDENTIFICATION SURVEY CONDUCTED AT

NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, N.W.
WASHINGTON, D.C. 20003

PRESENTED TO:

MR. KEVIN FARQUHAR
LEWIS & ASSOCIATES LTD
1414 PRINCE STREET
ALEXANDRIA, VIRGINIA 22314

PREPARED BY:

AEROSOL MONITORING & ANALYSIS, INC.
1340 ASHTON ROAD, P.O. BOX 646
HANOVER, MARYLAND 21076
(410) 684-3327

AMA NO: 04773 DATE: JULY 29, 1993

TABLE OF CONTENTS

SECTION	TITLE	PAGE
1.0	INTRODUCTION	1
2.0	EXECUTIVE SUMMARY	2
3.0	METHODOLOGY	3
4.0	RESULTS	4
5.0	RECOMMENDATIONS	5

APPENDICES:
- APPENDIX A: CHAIN OF CUSTODY AND CERTIFICATES OF ANALYSIS
- APPENDIX B: ASBESTOS ASSESSMENT DATA SHEETS
- APPENDIX C: ABATEMENT COST ESTIMATE

1 INTRODUCTION

1.1 SCOPE OF AMA SERVICES

Aerosol Monitoring & Analysis, Inc. (AMA) was contracted to provide an asbestos identification survey for Lewis & Associates, LTD. On July 13, 1993, a representatives from AMA was on site to perform the asbestos identification survey at the New Executive Office Building located at 725 17th Street, N.W., Washington, D.C. (Project Title: Repair Penthouse Roof, Project Control Number: RDC-28035).

The survey was performed to identify asbestos containing materials associated with the penthouse roof.

1.2 FACILITY DESCRIPTION

The work included surveying the penthouse roof that requires replacement. Also evaluated were locations of roof top penetrations, masonry walls, and roof top equipment.

2 EXECUTIVE SUMMARY

During the asbestos identification survey fourteen (14) bulk samples were collected. Of the 14 bulk samples collected, four (4) samples were observed during laboratory analysis to contain asbestos greater than 1%.

A total of six (6) homogeneous materials were identified. At least 1 sample of the following homogeneous materials were observed to contain asbestos greater than 1% during laboratory analysis:

* Roof Flashing
* Tar around open vents (AHU Outlets)
* Tar around elevated section
* Tar around stack

No asbestos (or less than 1% asbestos) was observed in samples of the following homogeneous materials:

* Built-up Roof
* Modified Roofing (Patch)

The bulk sampling procedures and analytical techniques are described in Section 3.0 Methodology. The facility inspection results and the sample analysis results are detailed in Section 4.0 Results. The recommendation are listed in Section 5.0.

3 METHODOLOGY

3.1 INSPECTION PROCESS

The initial phase of the survey for asbestos involved the actual inspection of the areas to be sampled. After compiling documentation pertaining to the building, a strategy to inspect the areas in the most time-efficient and least-disturbing method was formulated.

3.2 BULK SAMPLING PROCEDURES

Samples were collected with a knife which was driven through the suspect material to the substrate to obtain a samples containing all discrete layers. The samples where then placed in sterilized previously unopened whirl-pak bags and assigned unique identifiers which were recorded on the bag, the bulk survey sampling sheets, drawing and where applicable, the covering of the suspect material.

3.3 ANALYTICAL METHODOLOGY

Samples were submitted to AMA Analytical Services, Inc. in Lanham, Maryland. Samples of bulk material were analyzed using polarized light microscopy (PLM) following the EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples". AMA Analytical Services, Inc. is accredited by the U.S. Department of Commerce, National Institute of Standards and Technology through the National Voluntary Laboratory Accreditation Program (NVLAP) for Bulk Asbestos Analysis, NVLAP # 1143.

3.4 CHAIN OF CUSTODY

A chain of custody form, a copy of which is included in Appendix A was filled out for the bulk samples. The samples were logged in and assigned a unique lab number. Upon completion of analysis, the remaining sample materials will be retained for up to one year by AMA Analytical Services, Inc.

4 RESULTS

4.1 INSPECTION RESULTS

A walk through of the areas to be surveyed was performed prior to any sampling. The types of suspect asbestos-containing materials were observed and noted. A total of 6 homogeneous sampling area were identified.

A total of 14 bulk samples were collected. Of the 14 bulk samples collected, 4 samples were observed during laboratory analysis to contain greater than 1% asbestos. The following are the results of the laboratory analysis grouped together by homogeneous areas:

4.2 BULK SAMPLING RESULTS

TYPE OF MATERIAL	SAMPLE NUMBER	ANALYTICAL RESULTS
Built-up Roofing	477371301	No Asbestos Observed
	477371302	No Asbestos Observed
	477371303	No Asbestos Observed
Roof Flashing	477371304	01-05% Chrysotile Asbestos
	477371305	No Asbestos Observed
	477371306	No Asbestos Observed
Tar around open vents (AHU Outlets)	477371307	No Asbestos Observed
	477371308	20-25% Chrysotile Asbestos
Tar around elevated section	477371309	25-30% Chrysotile Asbestos
	477371310	<1% Chrysotile Asbestos
	477371311	<1% Chrysotile Asbestos
Modified Roofing (Patch)	477371312	<1% Chrysotile Asbestos
	477371313	<1% Chrysotile Asbestos
Tar around stack	477371314	20-25% Chrysotile Asbestos

5 RECOMMENDATIONS

To control asbestos-containing materials (ACM) in buildings, the Environmental Protection Agency (EPA document 40 CFR 763, Subpart E) has outlined five (5) recommended response actions. They are: Removal, Enclosure, Encapsulation, Repair, and Operations and Maintenance Program.

* Removal means the taking out or the stripping of substantially all ACM from a building. If performed properly, removal eliminates the hazardous material from the building and reduces the liability of asbestos related diseases from exposures to asbestos by the building occupants.

* Enclosure means an airtight, impermeable, permanent barrier around ACM to prevent the release of fibers into the air. An enclosure will only be effective if it remains undamaged.

* Encapsulation means the treatment of ACM with a material that surrounds or embeds asbestos fibers in a adhesive matrix to prevent the release of fibers. The encapsulant creates a membrane over the surface (bridging encapsulant) or penetrates the material and binds its components together (penetrating encapsulant).

* Repair means returning damaged ACM to an undamaged condition or to an intact state so as to prevent fiber release. With this response action, the hazardous material remains in the building and should be monitored periodically. If the ACM has become damaged, the damage should be repaired immediately.

* Operations and Maintenance (O&M) Program means a program of work practices to maintain friable ACM in good condition, ensure clean up of asbestos fibers previously released, and prevent further release by minimizing and controlling friable ACM disturbance or damage. The O&M Program should be instituted until all of the asbestos-containing material is removed from the facility.

5 RECOMMENDATION (CONT.)

If the ACM is in good condition and will not be disturbed by either day to day activities at the facility or by renovation plans, then, at a minimum, an O&M Program is recommended to be implemented. If the ACM is damaged but can be repaired, then the ACM should be repaired and included in the O&M Program. ACM that is damaged beyond repair should be removed by trained personnel utilizing abatement techniques acceptable to Occupational Safety and Health Administration (OSHA) and the EPA and disposed of as asbestos contaminated waste. The contractors that perform these response actions are required to be trained and licensed to comply with Federal, State and local regulations. Enclosure and encapsulation can be used to control the release of asbestos fibers into the air but, these response actions are only temporary solutions; the asbestos still remains in the facility and can pose a problem in the future.

Based on the results of the laboratory analysis of the bulk samples collected at the New Executive Office Building, the following are the recommendations for the homogeneous materials that were collected in the facility:

5.1 BUILT-UP ROOFING

No asbestos was observed in any of the three samples of built-up roofing material collected.

5.2 ROOF FLASHING

The roof flashing was observed to contain asbestos during laboratory analysis. It was observed to be in good condition at the time of the survey. If the roof flashing is to be removed as part of roof repair, then it should be removed by a licensed asbestos contractor with trained personnel using abatement techniques approved by OSHA and the EPA.

5.3 TAR AROUND OPEN VENTS (AHU OUTLETS)

The tar around the open vents was observed to contain asbestos during laboratory analysis. It was observed to be in fair condition at the time of the survey. If the tar around the open vents is to be removed as part of roof repair, then it should be removed by a licensed asbestos contractor with trained personnel using abatement techniques approved by OSHA and the EPA.

5 RECOMMENDATION (CONT.)

5.4 TAR AROUND ELEVATED ROOF SECTION

The tar around the elevated roof section was observed to contain asbestos during laboratory analysis. It was observed to be in fair condition at the time of the survey. If the tar around the elevated roof section is to be removed as part of roof repair, then it should be removed by a licensed asbestos contractor with trained personnel using abatement techniques approved by OSHA and the EPA.

5.5 MODIFIED ROOFING (PATCH)

The modified roofing (patch) samples were observed to contain <1% asbestos during laboratory analysis. EPA regulation 40 CFR 61.141 states "...asbestos material means any material containing more than 1 percent asbestos as determined using...Polarized Light Microscopy....". Based upon the definition in the EPA regulation, the modified roofing (patch) may be treated as a non-asbestos-containing material.

5.6 TAR AROUND STACK

The tar around the stack was observed to contain asbestos during laboratory analysis. It was observed to be in good condition at the time of the survey. If the tar around the stack is to be removed as part of roof repair, then it should be removed by a licensed asbestos contractor with trained personnel using abatement techniques approved by OSHA and the EPA.

A cost estimate to abate the asbestos containing materials is located in Appendix C.

APPENDIX

APPENDIX A

CHAIN OF CUSTODY AND CERTIFICATES OF ANALYSIS

(VERBAL RESULTS)

AMA Analytical Services, Inc.
An AIHA/NVLAP Accredited Laboratory
4485 Forbes Blvd. · Lanham MD, 20706
(301) 459-2640 · (800)346-0961 · Fax(301) 459-2643

CHAIN OF CUSTODY

Please Refer To This Number For Inquiries 25422

MAILING ADDRESS:

1. Submittal Date: July 13, 1993
2. Client Name: Lewis & Associates LTD
3. Street/RFD/P.O. Box: 1414 Prince St
4. City, State, Zip: Alexandria, VA 22314
5. Contact Person: Kevin Farquhar

Job Name / location: NEOB + ~~TTS Tax Ctr.~~
Job #: 04773 + 03693 P.O. #: —
Bill To: AMA
Phone #: — Fax#: —
Submitted By: Burl Keller (Print) Burl L. Keller III (Signature)

6. DATE & TIME RESULTS REQUIRED: 07 / 16 / 93, Time 3:00 PM AM IMMED. ☐ 24HR ☐ 48HR ☒ 72HR ☐ 5-DAY ☐ OTHER

SAMPLE DATA:

1. Analysis Type: ASBESTOS ☒ LEAD ☐, NOB - WHOLE (PLM/TEM) ☐ NOB RES. ASH (TEM) ☐ Other (Specify)
2. Total Number Of Samples : TEM ____ PCM ____ PLM 14+14 LEAD ____ OTHER (Specify)
3. ELECTRON MICROSCOPY SAMPLES:
   A. Filter Type: PC ☐ MCE ☐ B. Porosity: N/A Micron C. Diameter: 37mm ☐ 25mm ☐
4. Released Critera/Analytical Sensitivity: 0.010 f/cc ☐ 0.005 f/cc ☐ AHERA ☒ %ASBESTOS ☐ S\FT^2 ☐ OTHER ☐
5. Field Sheet Attached? YES ☒ NO ☐ If No Then Please Complete The Following:

SAMPLE ANALYSIS INFORMATION					ANALYSIS					MATRIX				
CLIENT ID NUMBER	AMA ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	TEM	PCM	PLM	LEAD	OTHER	AIR	BLANK	BULK	WIPE	OTHER
4773713	01													
Thru														
4773713	14													
AND														
3693712	01													
Thru														
3693712	14													
AND NO OTHERS														

REPORTING DATA:

1. Verbal Results To Whom? Name: Tina Lofaro Phone: 410 684-3327 Beeper:
2. Date Written Results Required? 07 / 23 / 93

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: / / @ Via: By(Print): Sign:
2. Date/Time Analyzed: / / @ By(Print): Sign:
3. Results Reported To: Via: Date: / / Time: Initials:
4. Comments:

WHITE - FINAL CUSTODY (SUBMIT) CANARY - LAB FINAL (SUBMIT) PINK - TRACKING (SUBMIT) GOLD - ORIGINATOR (RETAIN)

AMA Analytical Services, Inc.

TELEFAX

POLARIZED LIGHT MICROSCOPY

CLIENT: Lewis + Associates, LTD CONTACT: Tina Lofaro ANALYST: Ed Carney

JOB #: 04773 CHAIN OF CUSTODY: 25422 DATE: 7-16-93

CUST SAMPLE ID	AMA SAMPLE NUMBER	ASBESTOS % CHRYSOTILE	AMOSITE	CROCIDOLITE	OTHER	OTHER FIBROUS MATERIAL % MINERAL WOOL	FIBROUS GLASS	ORGANIC FIBERS	OTHER	NON-FIBROUS MATERIAL % PART.	OTHER	PHYSICAL APPEARANCE OR LOCATION
4773713-01	893-10919	-	-	-	-	20-25	-	10-15	-	60-70	-	
02	10920	-	-	-	-	10-15	-	25-30	-	55-65	-	
03	10921	-	-	-	-	10-15	-	15-20	-	65-75	-	
04	10922	1-5	-	-	-	1-5	-	35-40	-	55-60	-	
05	10923	-	-	-	-	-	-	40-45	-	55-60	-	
06	10924	-	-	-	-	-	-	40-45	-	55-60	-	
07	10925	-	-	-	-	-	-	<1	-	100	-	
08	10926	20-25	-	-	-	-	<1	<1	-	75-80	-	
09	10927	25-30	-	-	-	-	<1	<1	-	70-75	-	
10*	10928	<1	-	-	-	-	-	<1	-	100	-	* TEM is recommended
11*	10929	<1	-	-	-	-	-	<1	-	100	-	* TEM is recommended
12	10930	<1	-	-	-	-	-	35-40	-	60-65	-	
13	10931	<1	-	-	-	-	-	40-45	-	55-60	-	
14	10932	20-25	-	-	-	-	<1	<1	-	75-80	-	
		and no others										

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APPENDIX

APPENDIX B

ASBESTOS ASSESSMENT DATA SHEETS

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 725 17th St, NW
BLDG NO.:

ASSESSMENT DATE: 7-13-93

AMOUNT(sq ft): 10,300
or (linear ft)

Location In Bldg: Penthouse Roof
(include Functional Space)

HOMOGENEOUS AREA: Built-up roofing.

Type of Material	Damage	Accessibility
__Fireproofing	__Significant	__High
__Acoustic Plaster	__Minor	__Medium
__Acoustic Tile	✓None	✓Low
__Thermal Systems Insulation		
__Vinyl Floor Tile		Air Plenum N
✓Other: Roofing		(Y or N)

Friability	Traffic	Vibration	Potential for Air Erosion
__High	__High	__High	__High
__Medium	__Medium	✓Medium	__Moderate
✓Low	✓Low	__Low	✓Low

Comments:

AHERA Classification (see instructions):

Sample Number	Sample location	Result
477371301	NE corner	No Asbestos Observed
477371302	South side	No Asbestos Observed
477371303	SE corner of elevated section	No Asbestos Observed

(Include percent and type in result, e.g. 50 percent/Chrysotile).

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 725 17th St., NW
BLDG NO.:

ASSESSMENT DATE: 7-13-93

AMOUNT(sq ft): ____
or (linear ft) 600

Location In Bldg: Penthouse Roof
(include Functional Space)

HOMOGENEOUS AREA: Roof Flashing

Type of Material
__Fireproofing
__Acoustic Plaster
__Acoustic Tile
__Thermal Systems Insulation
__Vinyl Floor Tile
✓Other: Roof Flashing

Damage
__Significant
__Minor
✓None

Accessibility
__High
__Medium
✓Low

Air Plenum N
(Y or N)

Friability
__High
__Medium
✓Low

Traffic
__High
__Medium
✓Low

Vibration
__High
✓Medium
__Low

Potential for Air Erosion
__High
__Moderate
✓Low

Comments: ____

AHERA Classification (see instructions): ____

Sample Number	Sample location	Result
(Include percent and type in result, e.g, 50 percent/Chrysotile).		
4773713 04	East side	1-5% Chrysotile Asbestos
4773713 05	South side	No Asbestos Observed
4773713 06	South side of elevated section	No Asbestos Observed

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 725 17th St., NW
BLDG NO.:

ASSESSMENT DATE: 7-13-93

AMOUNT(sq ft): ____
or (linear ft) 100

Location In Bldg: Penthouse Roof
(include Functional Space)

HOMOGENEOUS AREA: Tar around open vents-(AHU Outlets)

Type of Material
__Fireproofing
__Acoustic Plaster
__Acoustic Tile
__Thermal Systems Insulation
__Vinyl Floor Tile
✓Other: ____

Damage
__Significant
✓Minor
__None

Accessibility
__High
__Medium
✓Low

Air Plenum N
(Y or N)

Friability
__High
__Medium
✓Low

Traffic
__High
__Medium
✓Low

Vibration
__High
✓Medium
__Low

Potential for Air Erosion
__High
__Moderate
✓Low

Comments: May be the top coat which splashed on the metal with tar.

AHERA Classification (see instructions): ____

Sample Number	Sample location	Result
4773713 07	East Vent	No Asbestos Observed
477371308	West Vent	20-25% Chrysotile Asbestos

(Include percent and type in result, e.g. 50 percent/Chrysotile).

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 725 17th St., NW
BLDG NO.:

ASSESSMENT DATE: 7-13-93

AMOUNT(sq ft): ____
or (linear ft) 190

Location In Bldg: Penthouse Roof
(include Functional Space)

HOMOGENEOUS AREA: Tar around elevated section

Type of Material
__Fireproofing
__Acoustic Plaster
__Acoustic Tile
__Thermal Systems Insulation
__Vinyl Floor Tile
✓Other: ____

Damage
__Significant
✓Minor
__None

Accessibility
__High
__Medium
✓Low

Air Plenum N
(Y or N)

Friability
__High
__Medium
✓Low

Traffic
__High
__Medium
✓Low

Vibration
__High
✓Medium
__Low

Potential for Air Erosion
__High
__Moderate
✓Low

Comments: Black tar is sunfaded to grey color.

AHERA Classification (see instructions): ____

Sample Number	Sample location	Result
(Include percent and type in result, e.g. 50 percent/Chrysotile).		
477371309	South Side	25-30% Chrysotile Asbestos
477371310	North Side	<1% Chrysotile Asbestos
477371311	East Side	<1% Chrysotile Asbestos

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 725 17th St., NW
BLDG NO.:

ASSESSMENT DATE: 7-13-93

AMOUNT(sq ft): 215
or (linear ft)

Location In Bldg: Penthouse Roof
(include Functional Space)

HOMOGENEOUS AREA: Modified Roofing (Patch)

Type of Material
__Fireproofing
__Acoustic Plaster
__Acoustic Tile
__Thermal Systems Insulation
__Vinyl Floor Tile
✓Other: Roofing

Damage
__Significant
__Minor
✓None

Accessibility
__High
__Medium
✓Low

Air Plenum N
(Y or N)

Friability
__High
__Medium
✓Low

Traffic
__High
__Medium
✓Low

Vibration
__High
✓Medium
__Low

Potential for Air Erosion
__High
__Moderate
✓Low

Comments:

AHERA Classification (see instructions):

Sample Number	Sample location	Result
477371312	NW corner	<1% Chrysotile Asbestos
477371313	NW corner	<1% Chrysotile Asbestos

(Include percent and type in result, e.g. 50 percent/Chrysotile).

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 725 17th St., NW
BLDG NO.:

ASSESSMENT DATE: 7-13-93

AMOUNT(sq ft): 4
or (linear ft)

Location In Bldg: Penthouse Roof
(include Functional Space)

HOMOGENEOUS AREA: Tar around stack

Type of Material
__Fireproofing
__Acoustic Plaster
__Acoustic Tile
__Thermal Systems Insulation
__Vinyl Floor Tile
✓Other:

Damage
__Significant
__Minor
✓None

Accessibility
__High
__Medium
✓Low

Air Plenum N
(Y or N)

Friability
__High
__Medium
✓Low

Traffic
__High
__Medium
✓Low

Vibration
__High
✓Medium
__Low

Potential for Air Erosion
__High
__Moderate
✓Low

Comments: Appears to be a patch of black tar. There is only 1 (one) patch area.

AHERA Classification (see instructions):

Sample Number	Sample location	Result (Include percent and type in result, e.g. 50 percent/Chrysotile).
477371314	SW Corner	20-25% Chrysotile Asbestos

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions

Aerosol Monitoring & Analysis, Inc.
Environmental Consultants

95-74
DCO 105-86
Cancel

OCT 31 10 ...

October 20, 1994

Mrs. Normajean Eleazer
GSA Safety and Environmental Management
Rm 2080, 7th & D Sts, SW
Washington, D.C. 20407

CONTRACT# GS11P92MJD0063
PO# P1194DC9414
ACT# P29045486

Re: Asbestos and lead paint assessment of roof screen

Site: NEOB
Roof Area
725 17th St., N.W.
Washington, D.C.

AMA JOB # 22205

Dear Mrs. Eleazer:

On October 6, 1994, William Round of Aerosol Monitoring and Analysis, Inc. was on site to perform a limited asbestos and lead based paint assessment of suspect asbestos containing materials (ACM) and lead based paint (LBP) and to collect bulk samples. The work was performed to determine if any ACM or LBP is present where renovations are scheduled on the roof screen of the New Executive Office Building.

During the assessment, 19 bulk samples of suspect asbestos containing materials were collected. Samples were collected from materials that might be disturbed during scheduled renovations to the roof screen.

Asbestos samples were submitted to AMA Analytical Services, Inc. in Lanham, Maryland. Samples of bulk material were analyzed using polarized light microscopy (PLM) following the EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples". AMA Analytical Services, Inc. is accredited by the U.S. Department of Commerce, National Institute of Standards and Technology through the National Voluntary Laboratory Accreditation Program (NVLAP) for Bulk Asbestos Analysis, NVLAP No. 1143.

Of the 19 suspect asbestos containing bulk samples collected, six were found to contain greater than 1% asbestos during PLM analysis. The following are the results of the laboratory analysis.

Sample Number	Material Sampled/Location	Analytical Results
2205100601A	Gray tar sealant, Jackson place side, base of frame	No asbestos observed
2205100602A	Gray tar sealant, Jackson place side, base of frame	No asbestos observed
2205100603A	**Black tar sealant, Jackson place side, base of frame**	**15-20% Chrysotile**
2205100604A	Gray sealant strip, outside of screen panels	No asbestos observed

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Sample Number	Material Sampled/Location	Analytical Results
2205100605A	**Black tar sealant, Jackson place side, base of frame**	**15-20% Chrysotile**
2205100606A	Gray sealant strip, outside of screen panels	No asbestos observed
2205100607A	**Black tar sealant, Jackson place side**	**01-05% Chrysotile**
2205100608A	Gray sealant strip, outside of screen panels	No asbestos observed
2205100609A	3'x 5' roof square, Jackson place side, SE corner	No asbestos observed
2205100610A	Gray tar sealant, Jackson place side, base of frame	No asbestos observed
2205100611A	Gray tar sealant, 17th Street side, base of frame	No asbestos observed
2205100612A	Gray tar sealant, 17th Street, base of frame	No asbestos observed
2205100613A	Gray sealant strip, inside of screen panel	No asbestos observed
2205100614A	Gray sealant strip, inside of screen panel	No asbestos observed
2205100615A	Gray sealant strip, inside of screen panel	No asbestos observed
2205100616A	**White caulk, middle section roof, top of panel supports**	**10-15% Chrysotile**
2205100617A	**White caulk, middle section roof, top of panel supports**	**01-05% Chrysotile**
2205100618A	**White caulk, middle section roof, top of panel supports**	**05-10% Chrysotile**
2205100619A	Yellow, foam insulation, inside panels	No asbestos observed

During the LBP assessment 20 paint chip samples were collected from suspect lead based paint surfaces on the frame and panels of the roof screen at the New Executive Office Building. The samples were submitted to Gascoyne Laboratories, Inc. in Baltimore, Md. for analysis following the AOAC 974.02M method. Gascoyne Laboratories is an AIHA and NVLAP accredited laboratory.

Sample #	Material Sampled	Analytical Results
2205100601L	**Black paint, frame of screen**	**6.8**
2205100602L	**Black paint, frame of screen**	**11**
2205100603L	**Black paint, frame of screen**	**12**
2205100604L	**Black paint, frame of screen**	**12**

Sample #	Material Sampled	Analytical Results
2205100605L	Black paint, frame of screen	11
2205100606L	Black paint, frame of screen	10
2205100607L	Black paint, frame of screen	8
2205100608L	Gray paint, outside of screen	86
2205100609L	Gray paint, outside of screen	87
2205100610L	Gray paint, outside of screen	91
2205100611L	Black paint, frame of screen	13
2205100612L	Black paint, frame of screen	12
2205100613L	Black paint, frame of screen	11
2205100614L	Gray paint, outside of screen	97
2205100615L	Gray paint, outside of screen	91
2205100616L	Gray paint, outside of screen	48
2205100617L	Gray paint, outside of screen	92
2205100618L	Brown paint, inside of screen	4.5
2205100619L	Brown paint, inside of screen	0.69
2205100620L	Brown paint, inside of screen	0.52

Based on the analytical results of the lead and asbestos sampling. AMA identified lead based paint on all surfaces of the roof screen and it's frame. Asbestos was observed in the black tar sealant at the base of the frame and in the white caulk at the top of the panels in the middle section of the roof. AMA recommends that these materials be removed if they are to be disturbed during renovation activities. If the materials are to be removed, they should be done so in accordance with all pertaining regulations, by trained personnel using abatement techniques acceptable to the GSA. Enclosed please find asbestos laboratory results, lead laboratory results, and certificates of analysis. If you have any questions regarding this report please contact our office (410) 684-3327.

Sincerely,

Gary L. Urban
Project Manager

Attachments

BULK SAMPLING SURVEY SHEET

Contact Person: Gary Urban
Company: Aerosol Monitoring
Telephone Number: 410 684-3327
Samples Taken By: Bill Rand
Sampling Witnessed By:
Date/Time Received by Lab:

Date Collected: 10-26-94
Job Site: NEOB
Job No.: 22205 Work Order No.
When Needed:

Sample No.	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
2205 1006 01L	Black Paint Substrate metal	Frame of Screen, Jackson Place side, ≈ 40' N of SW corner,	☐ Yes ☐ No ■ Potentially	☐ Good ☐ Fair ■ Poor	☐ Low ☐ Med ■ High	☐ Yes ■ No #	
2205 1006 02L	Black Paint Substrate metal	Frame of Screen, Jackson Place side SW corner on Frame.	☐ Yes ☐ No ■ Potentially	☐ Good ☐ Fair ■ Poor	☐ Low ☐ Med ■ High	☐ Yes ☐ No #	
2205 1006 03L	Black Paint Substrate metal	Frame of Screen, Jackson Place Side, SE corner	☐ Yes ☐ No ■ Potentially	☐ Good ☐ Fair ■ Poor	☐ Low ☐ Med ■ High	☐ Yes ☐ No #	
2205 1006 04L	Black Paint Substrate metal	Frame of Screen, Jackson Place side PA ave. side, ≈ 40 E of W.	☐ Yes ☐ No ■ Potentially	☐ Good ☐ Fair ■ Poor	☐ Low ☐ Med ■ High	☐ Yes ☐ No #	
2205 1006 05L	Black Paint Substrate metal	Frame of Screen, Jackson Place Side ≈ 20' N of SW corner	☐ Yes ☐ No ■ Potentially	☐ Good ☐ Fair ■ Poor	☐ Low ☐ Med ■ High	☐ Yes ☐ No #	

BULK SAMPLING SURVEY SHEET

Contact Person: Gary Urban
Company: Aerosol Monitoring
Telephone Number: 410 684-3327
Samples Taken By: Bill Round
Sampling Witnessed By: —
Date/Time Received by Lab:

Date Collected: 10-26-99
Job Site: NEOB
Job No.: 22205 Work Order No.
When Needed:

Sample No.	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
2205 1006 06L	Black Paint Substrate Metal	Frame of Screen, Jackson Place Side, East Wall, ≈ 100' N of S	☐ Yes ☐ No ■ Potentially	☐ Good ☐ Fair ■ Poor	☐ Low ☐ Med ■ High	☐ Yes ■ No #	
2205 1006 07L	Black Paint Substrate metal	Frame of Screen, Jackson Place Side, NE corner	☐ Yes ☐ No ■ Potentially	☐ Good ☐ Fair ■ Poor	☐ Low ☐ Med ■ High	☐ Yes ■ No #	
2205 1006 08L	Grey Paint Substrate Copper	Outside of Screen, Jackson Place Side, NW corner	☐ Yes ☐ No ■ Potentially	☐ Good ■ Fair ☐ Poor	☐ Low ☐ Med ■ High	☐ Yes ■ No #	
2205 1006 09L	Grey Paint Substrate copper	Outside of Screen, Jackson Place Side, Corner of Middle section	☐ Yes ☐ No ■ Potentially	☐ Good ■ Fair ☐ Poor	☐ Low ☐ Med ■ High	☐ Yes ■ No #	
2205 1006 10L	Grey Paint Substrate copper	Outside of Screen, Jackson Place Side, ≈ 40' W of SE corner	☐ Yes ☐ No ■ Potentially	☐ Good ■ Fair ☐ Poor	☐ Low ☐ Med ■ High	☐ Yes ■ No #	

BULK SAMPLING SURVEY SHEET

Contact Person: Gary Urban
Company: Aerosol Monitoring
Telephone Number: 410 684-3327
Samples Taken By: Bill Rand
Sampling Witnessed By:
Date/Time Received by Lab:

Date Collected: 10-26-94
Job Site: NEOB
Job No.: 22205 Work Order No.
When Needed:

Sample No.	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
2205 1006 11L	Black Paint Substrate metal	Screen Frame; 17th St side, East wall ≈ 50' S of N Substrate: Metal Frame	☐ Yes ☐ No ■ Potentially	☐ Good ☐ Fair ■ Poor	☐ Low ☐ Med ■ High	☐ Yes ■ No #	
2205 1006 12L	Black Paint Substrate Metal	Frame of Screen, 17th St Side, ≈100' S of NW corner	☐ Yes ☐ No ■ Potentially	☐ Good ☐ Fair ■ Poor	☐ Low ☐ Med ■ High	☐ Yes ■ No #	
2205 1006 13L	Black Pain Substrate metal	Frame of Screen, 17th St Side, PA ave, ≈ 30' E of SW corner	☐ Yes ☐ No ■ Potentially	☐ Good ☐ Fair ■ Poor	☐ Low ☐ Med ■ High	☐ Yes ■ No #	
2205 1006 14L	Grey Paint substrate Copper	Outside of Screen Panels, 17th St side, ≈100' S of N	☐ Yes ☐ No ■ Potentially	☐ Good ■ Fair ☐ Poor	☐ Low ☐ Med ■ High	☐ Yes ■ No #	
2205 1006 15L	Grey Paint substrate copper	Outside of Screen Panel, 17th St side, ≈ 20' S of NW corner	☐ Yes ☐ No ■ Potentially	☐ Good ■ Fair ☐ Poor	☐ Low ☐ Med ■ High	☐ Yes ■ No #	

BULK SAMPLING SURVEY SHEET

Contact Person: Gary Urban
Company: Aerosol Monitoring
Telephone Number: 410 684-3327
Samples Taken By: Bill Rand
Sampling Witnessed By:
Date/Time Received by Lab:

Date Collected: 10-26-94
Job Site: NEOB
Job No.: Work Order No.
When Needed:

Sample No.	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
2205 1006 16L	Grey substrate copper	Outside of Screen Panel, 17th St Side West wall, ≈ 50' N of SW corner	☐ Yes ☐ No ■ Potentially	☐ Good ■ Fair ☐ Poor	☐ Low ☐ Med ■ High	☐ Yes ■ No #	
2205 1006 17L	Grey substrate copper	Outside of Screen Panel, 17th St Side South Wall, ≈ 30' E of W	☐ Yes ☐ No ■ Potentially	☐ Good ■ Fair ☐ Poor	☐ Low ☐ Med ■ High	☐ Yes ■ No #	
2205 1006 18L	Brown substrate copper	Inside of Screen, 17th St Side, West wall, ≈ 130' S of N	☐ Yes ☐ No ■ Potentially	☐ Good ■ Fair ☐ Poor	☐ Low ☐ Med ■ High	☐ Yes ■ No #	
2205 1006 19L	Brown substrate copper	Inside of Screen, 17th St Side, East Wall, ≈ 60' S of N	☐ Yes ☐ No ■ Potentially	☐ Good ■ Fair ☐ Poor	☐ Low ☐ Med ■ High	☐ Yes ■ No #	
2205 1006 20L	Brown substrate copper	Inside of Screen, Jackson Place side, East Wall ≈ 50' S of N	☐ Yes ☐ No ■ Potentially	☐ Good ■ Fair ☐ Poor	☐ Low ☐ Med ■ High	☐ Yes ■ No #	

BIN 75
SF092.WS

Report No. 9410186 Report Date: _____

Report To: AMA Page: 1 of 2

Sample I.D. Submitted: 2205/06

LEAD (Pb)

01A	01L	6.8
02A	02L	11
03A	03L	12
04A	04L	12
05A	05L	11
06A	06L	10
07A	07L	8
08A	08L	86
09A	09L	87
10A	10L	91
11A	11L	13
12A	12L	12
13A	13L	11

Notes: (✓) D (90 bg wt)

( ) ND-Not Detected.

(✓) Detection Limit= 0.05.

(✓) Method: AAC 974.02 M ; Analyst TK/KP, Date Test Completed 10/14/94

( ) _____

Note: many of the samples appeared to be a gray powder rather than typical paint chips

DEPT HEAD: JA 10/14/94

TECH REP: _____

LAB DIR: _____

REVISED 08/92

BIN 75
SF092.WS

Report No. 9410186 Report Date: _____

Report To: AMA Page: 2 of 2

Sample I.D. Submitted _____ : 2205106

		Lead (Pb)
14A	14L	97
15A	15L	91
16A	16L	48
17A	17L	92
18A	18L	4.5
19A	19L	0.69
20A	20L	0.52

Notes: (✓ D (% by wt)

( ) ND-Not Detected.

(✓ Detection Limit= 0.05 .

(✓ Method: AOAC 974.02 M ; Analyst TLK/KR, Date Test Completed 10/14/94

( ) _____

DEPT HEAD: _____

TECH REP: _____

LAB DIR: _____

REVISED 08/92

AMA Analytical Services, Inc.

Polarized Light Microscopy Telefax

Client: Aerosol Monitoring + Analysis Contact: Gary Urban Analyst: Andreas Saldivar

Job # 22205 C. O. C. # 30874 Date: 10/7/94

Customer Sample I.D.	AMA Sample Number	Asbestos Fibers: Chrysotile	Amosite	Crocidolite	Other	Other Fibrous Material: Mineral Wool	Fibrous Glass	Organic Fibers	Other	Non-Fibrous Material: Particulate	Other	Physical Appearance Or Location
2205160601A	395-99							<1		100		
02A	100							<1		100		
03A	101	15-20						<1		80-85		
04A	102							<1		100		
05A	103	15-20						<1		80-85		
06A	104							<1		100		
07A	105	1-5								95-99		
08A	106							<1		100		
09A	107							5-10		90-95		
10A	108							<1		100		
11A	109							<1		100		
12A	110							<1		100		
13A	111							<1		100		
14A	112							<1		100		
15A	113							<1		100		

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AMA Analytical Services, Inc.

Polarized Light Microscopy Telefax

Client: Aerosol Monitoring + Analysis Contact: Gary Urban Analyst: Andreas Saldivar

Job # 22205 C. O. C. # 30874 Date: 10/7/94

Customer Sample I.D.	AMA Sample Number	Asbestos Fibers: Chrysotile	Amosite	Crocidolite	Other	Other Fibrous Material: Mineral Wool	Fibrous Glass	Organic Fibers	Other	Non-Fibrous Material: Particulate	Other	Physical Appearance Or Location
22051006 16A	B65-114	10-15								85-90		
17A	115	1-5						<1		95-99		
18A	116	5-10				<1		<1		90-95		
19A	117							<1		100		

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An AIHA (#8863), NVLAP (#1143) & New York ELAP (#10920) Accredited Laboratory

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 725 17th St NW
BLDG NO.:

ASSESSMENT DATE: 10-6-91

AMOUNT(sq ft):
or (linear ft) ≈ 720

Location In Bldg: Roof Area, Screen
(include Functional Space)

HOMOGENEOUS AREA: Gray Tar / sealant

Type of Material
- ___ Fireproofing
- ___ Acoustic Plaster
- ___ Acoustic Tile
- ___ Thermal Systems Insulation
- ___ Vinyl Floor Tile
- ✓ Other: Ca-1K

Damage
- ___ Significant
- ✓ Minor
- ___ None

Accessibility
- ✓ High
- ___ Medium
- ___ Low

Air Plenum N
(Y or N)

Friability
- ___ High
- ___ Medium
- ✓ Low

Traffic
- ___ High
- ___ Medium
- ✓ Low

Vibration
- ___ High
- ✓ Medium
- ___ Low

Potential for Air Erosion
- ✓ High
- ___ Moderate
- ___ Low

Comments:

AHERA Classification (see instructions):

Sample Number	Sample location	Result
2205100601A	Roof Screen, Jackson Place side, West Wall, Anchor of Frame	No asbestos observed
2205100602A	Roof Screen Jackson Place; Side SW Corner, Anchor of Frame	No asbestos Observed
2205100610A	Roof Screen, Jackson Place Side; NW corner, Anchor of Frame	No asbestos Observed
2205100611A	Roof Screen, 17th St side; ≈ 20' N of Mech Room 2, Anchor	No asbestos Observed
2205100612A	Roof Screen, 17th St. side SW corner, Anchor	No asbestos Observed

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 725 17th St NW
BLDG NO.:

ASSESSMENT DATE: 10-06-91

AMOUNT(sq ft): [redacted]
or (linear ft) ≈50 lin ft

Location In Bldg: Roof Area, Screen around Perimeter
(include Functional Space)

HOMOGENEOUS AREA: Black TAR / Sealant

Type of Material
- ___ Fireproofing
- ___ Acoustic Plaster
- ___ Acoustic Tile
- ___ Thermal Systems Insulation
- ___ Vinyl Floor Tile
- ✓ Other: Caulk

Damage
- ___ Significant
- ✓ Minor
- ___ None

Accessibility
- ___ High
- ✓ Medium
- ___ Low

Air Plenum N
(Y or N)

Friability
- ___ High
- ___ Medium
- ✓ Low

Traffic
- ___ High
- ___ Medium
- ✓ Low

Vibration
- ___ High
- ___ Medium
- ✓ Low

Potential for Air Erosion
- ✓ High
- ___ Moderate
- ___ Low

Comments: Most of Caulk around Beam is grey, ≈2% is Black

AHERA Classification (see instructions): _____

Sample Number	Sample location	Result (Include percent and type in result, e.g. 50 percent/Chrysotile).
220510060 3A	Roof Screen & Base of Frame Jackson Place side, SE Corner	15-20% Chrysotile
220510060 5A	Roof screen, Jackson Place side, ≈100' N of SE corner	15-20% "
220510060 7A	Roof screen, Jackson Place side NE corner.	1-5% "

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 725 17th St NW
BLDG NO.:

ASSESSMENT DATE: 10-06

AMOUNT(sq ft): _____
or (linear ft) _____

Location In Bldg: Roof Area, Screen
(include Functional Space)

HOMOGENEOUS AREA: Grey sealant Strip on Screen Panels

Type of Material
- __ Fireproofing
- __ Acoustic Plaster
- __ Acoustic Tile
- __ Thermal Systems Insulation
- __ Vinyl Floor Tile
- ✓ Other: Sealant Strip

Damage
- __ Significant
- ✓ Minor
- __ None

Accessibility
- __ High
- __ Medium
- ✓ Low

Air Plenum N
(Y or N)

Friability
- __ High
- __ Medium
- ✓ Low

Traffic
- __ High
- __ Medium
- ✓ Low

Vibration
- __ High
- ✓ Medium
- __ Low

Potential for Air Erosion
- __ High
- ✓ Moderate
- __ Low

Comments: _____

AHERA Classification (see instructions): _____

Sample Number	Sample location	Result
	(Include percent and type in result, e.g. 50 percent/Chrysotile).	
22205100604A	Pennsylvania Ave, Outside of Screen ≈ 40 E of W, (Jackson Place side)	No asbestos Observed
22051006 06A	Jackson Place : Outside of Screen ≈ 100' N of S on East Wall	"
22051006 08A	Jackson Place Outside of Screen NW corner.	"
22051006 13A	17th St side : Inside of Screen West side, ≈ 25' S of N	"
22051006 14A	17th St side : Inside of Screen ≈ 132' N of S on West Wall	"
22051006 15A	17th & PA ave : Outside of Screen, corner SW.	"

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 725 17th St
BLDG NO.:

ASSESSMENT DATE: 10-06-91

AMOUNT(sq ft): ≈500 that will
or (linear ft) be disturbed

Location In Bldg: Roof Area, Screen around Perimeter
(include Functional Space)

HOMOGENEOUS AREA: 3'x5' Roof Square

Type of Material
__Fireproofing
__Acoustic Plaster
__Acoustic Tile
__Thermal Systems Insulation
__Vinyl Floor Tile
✓Other: Roof Tar

Damage
__Significant
✓Minor
__None

Accessibility
✓High
__Medium
__Low

Air Plenum N
(Y or N)

Friability
__High
__Medium
✓Low

Traffic
__High
✓Medium
__Low

Vibration
__High
__Medium
✓Low

Potential for Air Erosion
✓High
__Moderate
__Low

Comments:

AHERA Classification (see instructions):

Sample Number	Sample location	Result
(Include percent and type in result, e.g. 50 percent/Chrysotile).		
22054006 09A	Jackson Place side, SE Corner,	No asbestos Observed

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 725 17th St NW
BLDG NO.:

ASSESSMENT DATE: 10-06-94

AMOUNT(sq ft):
or (linear ft) 20

Location In Bldg: Roof Area ; Middle Section (Mechanical Room 203)
(include Functional Space)

HOMOGENEOUS AREA: White Caulk on top of Supports for Framing in Middle Section

Type of Material
- ___ Fireproofing
- ___ Acoustic Plaster
- ___ Acoustic Tile
- ___ Thermal Systems Insulation
- ___ Vinyl Floor Tile
- ✓ Other: Caulk

Damage
- ___ Significant
- ✓ Minor
- ___ None

Accessibility
- ___ High
- ___ Medium
- ✓ Low

Air Plenum N
(Y or N)

Friability
- ___ High
- ___ Medium
- ✓ Low

Traffic
- ___ High
- ___ Medium
- ✓ Low

Vibration
- ✓ High
- ___ Medium
- ___ Low

Potential for Air Erosion
- ✓ High
- ___ Moderate
- ___ Low

Comments:

AHERA Classification (see instructions):

Sample Number	Sample location	Result (Include percent and type in result, e.g. 50 percent/Chrysotile).
22051006 16A	Top of Mech Rooms 233, Top of support Frames on panels	10-15% Chrysotile
22051006 17A	Top of Mech Rooms 233, Top of Support Frames on panels.	1-5 "
22051006 18A	Top of Mech Rooms, 233 ; Top of support frames on panels	5-10 "

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 725 17th St NW
BLDG NO.: ___

ASSESSMENT DATE: 10-26-94

AMOUNT(sq ft): ___
or (linear ft) ___

Location In Bldg: Roof Area, Inside Panels of Roof Screen
(include Functional Space)

HOMOGENEOUS AREA: Styrofoam like insulation

Type of Material
__ Fireproofing
__ Acoustic Plaster
__ Acoustic Tile
__ Thermal Systems Insulation
__ Vinyl Floor Tile
✓ Other: Foam insulation

Damage
__ Significant
__ Minor
✓ None

Accessibility
__ High
__ Medium
✓ Low

Air Plenum N
(Y or N)

Friability
✓ High
__ Medium
__ Low

Traffic
__ High
__ Medium
✓ Low

Vibration
__ High
__ Medium
✓ Low

Potential for Air Erosion
__ High
__ Moderate
✓ Low

Comments: ___

AHERA Classification (see instructions): ___

Sample Number	Sample location	Result
22050006 19A	17th St side, ≈ 100' N of S on west wall	No asbestos Observed

(Include percent and type in result, e.g. 50 percent/Chrysotile).

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions

Aerosol Monitoring & Analysis, Inc.
Environmental Consultants

95-163
Reviewed/Mailed
DEC 13
T.S./WPXE
DC0105ZZ
CANOFILE:94130

November 30, 1994

Mrs. Normajean Eleazer
GSA Safety and Environmental Management
Rm. 2080, 7th & D Sts, SW
Washington, D.C. 20407

CONTRACT# GS11P92MJD0063
PO# P1195DC0054
ACT# P29046472

Re: Bulk sampling and assessment of sprayed-on fireproofing

Site: New Executive Office Building, Garage level 1B
725 17th St., N.W.
Washington, D.C.

AMA JOB # 22236

Dear Mrs. Eleazer:

On November 23, 1994, Matthew Neigh of Aerosol Monitoring & Analysis, Inc. (AMA) was at the above referenced job site to collect samples and assess suspect asbestos containing sprayed-on fireproofing located on the west side of garage level 1B. Approximately 8,000 - 10,000 square feet of material was observed in the area.

During the assessment six (6) bulk samples of suspect asbestos containing sprayed-on fireproofing were collected. The material was observed to be in poor condition throughout the area at the time of the assessment.

Samples were submitted to AMA Analytical Services, Inc. in Lanham, Maryland. Samples of bulk material were analyzed using polarized light microscopy (PLM) following the EPA. "Interim Method for the Determination of Asbestos in Bulk Insulation Samples". AMA Analytical Services, Inc. is accredited by the U.S. Department of Commerce, National Institute of Standards and Technology through the National Voluntary Laboratory Accreditation Program (NVLAP) for bulk asbestos analysis, NVLAP No. 1143.

Of the 6 suspect ACM bulk samples collected, all 6 were found to contain greater than 1% asbestos during PLM analysis. The following are the results of the laboratory analysis.

Sample #	Material Sampled	Sample Location	Analytical Results
2236112301	Gray sprayed-on fireproofing	Garage level 1B, W side of ceiling	20% Chrysotile
2236112302	Gray sprayed-on fireproofing	Garage level 1B, W side of ceiling	25% Chrysotile
2236112303	Gray sprayed-on fireproofing	Garage level 1B, W side of ceiling	25% Chrysotile
2236112304	Gray sprayed-on fireproofing	Garage level 1B, W side of ceiling	25% Chrysotile
2236112305	Gray sprayed-on fireproofing	Garage level 1B, W side of ceiling	30% Chrysotile
2236112306	Gray sprayed-on fireproofing	Garage level 1B, W side of ceiling	25% Chrysotile

1340 Ashton Road • P.O. Box 646 • Hanover, MD 21076 • 410-684-3327 • FAX: 410-684-3384

Based on the analytical results of the bulk sampling, and the observed poor condition of the material, AMA recommends removal of the gray sprayed-on fireproofing in garage level 1B. The material should be removed in accordance with all pertaining regulations, by trained personnel using abatement techniques acceptable to the GSA. Enclosed please find asbestos laboratory results and certificates of analysis. If you have any questions regarding this report please contact our office at (410)684-3327.

Sincerely,

Gary L. Urban
Project Manager

Enclosures

Job # 22236

ATTACHMENT B

ASBESTOS ASSESSMENT DATA SHEET

BLDG NAME: New Executive Office Bldg.
ADDRESS: _____
BLDG NO.: _____

ASSESSMENT DATE: 11-23-94 (mcw)

AMOUNT (sq ft): ≈ 8000
or (linear ft): _____

Location in Bldg: Garage Level (mcw) X 1 B, W side
(include Functional Space)

HOMOGENEOUS AREA: Gray sprayed on fireproofing insulation

Type of Material	Damage	Accessibility
X Fireproofing	__ None	X High
__ Acoustic Plaster	X Minor to	__ Medium
__ Acoustic Tile	X Significant	__ Low
__ Thermal Systems Insulation (TSI)		
__ Vinyl Floor Tile	Air Plenum ___ (Y or N) __	
__ Other: _____		

Friability	Traffic	Vibration	Potential for Air Erosion
X High	X High	__ High	__ High
__ Medium	__ Med	X Med	X Med
__ Low	__ Low	__ Low	__ Low

AHERA Classification (see instructions): _____

Sample Number	Sample Location	Result
(Include percent and type in result, e.g. 50%/Chrysotile)		
22361123 01	NEOB, Garage level 1B; I beam	20% Chrysotile
	in NW corner; ≈ 10' high	
22361123 02	NEOB, Garage level 1B; I beam	25% Chrysotile
	≈ 20' N of S wall, ≈ 8' W of	
	E wall, ≈ 10' high	
22361123 03	NEOB, Garage level 1B; I beam	25% Chrysotile
	≈ 50' E of W wall, ≈ 35' S	
	of N wall, ≈ 10' high	

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling protocols, analytical protocols and definitions.

Job # 22236

ATTACHMENT B

ASBESTOS ASSESSMENT DATA SHEET

BLDG NAME: New Executive Office Bldg.
ADDRESS:
BLDG NO.:

ASSESSMENT DATE: 11-23-94 (MCN)

AMOUNT (sq ft): ≈ 8000
or (linear ft):

Location in Bldg: Garage Level X, B & W side
(include Functional Space)

HOMOGENEOUS AREA: Gray sprayed on Fireproofing insulation

Type of Material	Damage	Accessibility
X Fireproofing	__ None	X High
__ Acoustic Plaster	X Minor to	__ Medium
__ Acoustic Tile	X Significant	__ Low
__ Thermal Systems Insulation (TSI)		
__ Vinyl Floor Tile	Air Plenum ___ (Y or N) __	
__ Other:		

Friability	Traffic	Vibration	Potential for Air Erosion
X High	X High	__ High	__ High
__ Medium	__ Med	X Med	X Med
__ Low	__ Low	__ Low	__ Low

AHERA Classification (see instructions):

Sample Number	Sample Location	Result
(Include percent and type in result, e.g. 50%/Chrysotile)		
2236112304	NEOB, Garage level 1 B;	25% chrysotile
	Corrugated ceiling, ≈ 60' N of S	
	wall ≈ 30' W of E wall, ≈ 13' high	
2236112305	NEOB, Garage level 1 B; Corrugated	30% Chrysotile
	ceiling, ≈ 12' W of E wall, ≈ 50'	
	N of S wall, ≈ 13' high	
2236112306	NEOB, Garage level 1 B; Corrugated	25% Chrysotile
	ceiling, ≈ 40' W of E wall,	
	≈ 40' N of S wall, ≈ 13' high	

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling protocols, analytical protocols and definitions.

AMA Analytical Services, Inc.

Polarized Light Microscopy Telefax

Client: Aerosol Monitoring + Analysis Contact: Gary Urban Analyst: Ed Carney

Job # 22236 (GSA - New Exec. Office Bldg) C. O. C. # 31174 Date: 11-28-94

Customer Sample I.D.	AMA Sample Number	Asbestos Fibers: Chrysotile	Amosite	Crocidolite	Other	Other Fibrous Material: Mineral Wool	Fibrous Glass	Organic Fibers	Other	Non-Fibrous Material: Particulate	Other	Physical Appearance Or Location
22361123-01	T95-2482	20				45		TR		35		
-02	2483	25				55				20		
-03	2484	25				55				20		
-04	2485	25				55		TR		20		
-05	2486	30				55				15		
-06	2487	25				45				30		

and no other

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An AIHA (#8863), NVLAP (#1143) & New York ELAP (#10920) Accredited Laboratory

Facsimile Cover Sheet

To: Mr. Mike Harman
Company: White House Projects Office (WPCON)
Phone: (202) 254-8086
Fax: (202) 254-3667

From: Tim Sleeth
Company: GSA (WPXE)
Phone: (202) 708-5236
Fax: (202) 708-6618

Date: 12/13/94
Pages including this cover page: 7

Please see attached for your information and action. Should you have further questions, please feel free to call me.

Thank you,

Tim Sleeth
Industrial Hygienist

Facsimile Cover Sheet

To: Mr. Jeter Morris
Company: White House Field Office (WPMXW)
Phone: (202) 395-3675
Fax: (202) 395-4546

From: Tim Sleeth
Company: GSA (WPXE)
Phone: (202) 708-5236
Fax: (202) 708-6618

Date: 12/13/94
Pages including this cover page: 6

Please see attached AMA Asbestos Bulk Sample Report for NEOB Garage Level 1B. S&EM concurs with the AMA recommendation to remove this friable asbestos-containing material (ACM) with minor to significant physical damage. Removal should be accomplished in accordance with GSA Guide Specification Section 02085 - Asbestos Abatement Procedures. Should you have further questions, please feel free to call me.

Thank you,

Tim Sleeth
Industrial Hygienist

cc: Mike Harman, WPCON

Aerosol Monitoring & Analysis, Inc.
Environmental Consultants

95-441
Reviewed/Mailed
APR 4 1995
T.S./WPXE
DC010522
CANOFILE: 950227
CC: WPMXW
WPCON

February 27, 1995

Mrs. Normajean Eleazer
GSA Safety and Environmental Management
Rm. 2080, 7th & D Sts., S.W.
Washington, D.C. 20407

CONTRACT# GS11P92MJD0063
PO# P1195DC0135
ACT# P29047743

Re: Asbestos Bulk Sampling

Site: New Executive Office Building
Carpenter Storage Room, Garage Level 1B
Washington, D.C.

AMA Job # 22295

Dear Mrs. Eleazer:

On February 21, 1995, Richard Walker of Aerosol Monitoring & Analysis was on site to perform bulk sampling of suspect asbestos containing materials (ACM). The work was performed to determine if the spray-on fireproofing material contained asbestos.

During the assessment, 3 bulk samples of suspect asbestos-containing material was collected from around the exterior of the carpenter storage room. GSA's on-site representative informed AMA that the visible exterior spray-on fireproofing is homogenous to the interior spray-on fireproofing. AMA was unable to enter the storage room at the time of the survey. AMA noted that the spray-on fireproofing in/around the storage room was applied on a later date than the spray-on fireproofing found throughout the 1B garage level. This material has been identified as asbestos-containing.

Asbestos samples were submitted to AMA Analytical Services, Inc. in Lanham, Maryland. Samples of bulk material were analyzed using polarized light microcopy(PLM) following the EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples". AMA Analytical Services, Inc. is accredited by the U.S. Department of Commerce, National Instituted of Standards and Technology through the National Voluntary Laboratory Accreditation Program (NVLAP) for Bulk Asbestos Analysis, NVLAP No. 1143.

1340 Ashton Road • P.O. Box 646 • Hanover, MD 21076 • 410-684-3327 • FAX: 410-684-3384

Of the 3 suspect asbestos containing bulk samples collected, none were found to contain greater than 1% asbestos during PLM analysis. The results of the laboratory analysis are listed in table 1. If you have any questions regarding these results please contact our office at (410) 684-3327.

Sincerely,

Gary L. Urban
Project Manager

Attachments

Table 1
Asbestos Bulk Sample Results
New Executive Office Building
Level 1B Garage, Carpenter Shop
February 21, 1995

Sample #	Material Sampled	Sample Location	Analytical Results
2295022101	Gray/white spray-on fireproofing	Exterior NE corner of storage room	No asbestos observed
2295022102	Gray/white spray-on fireproofing	Exterior NW corner of storage room	No asbestos observed
2295022103	Gray/white spray-on fireproofing	Exterior SE corner of storage room	No asbestos observed

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 750 17TH ST. N.W.
BLDG NO.:

ASSESSMENT DATE: 2/21/95

AMOUNT(sq ft): 1100
or (linear ft)

Location In Bldg: 1B GARAGE LEVEL
(include Functional Space)

HOMOGENEOUS AREA: GRAY/WHITE SPRAYED FIREPROOFING

Type of Material	Damage	Accessibility
x Fireproofing	__ Significant	__ High
__ Acoustic Plaster	x Minor	x Medium
__ Acoustic Tile	__ None	__ Low
__ Thermal Systems Insulation		
__ Vinyl Floor Tile		Air Plenum Y
__ Other:		(Y or N)

Friability	Traffic	Vibration	Potential for Air Erosion
x High	x High	__ High	x High
__ Medium	__ Medium	x Medium	__ Moderate
__ Low	__ Low	__ Low	__ Low

Comments: SAMPLES TAKEN OF MATERIAL EXTERIOR TO CARPENTER STORAGE ROOM ON 2x10" WOODEN BEAMS.

AHERA Classification (see instructions):

Sample Number	Sample location	Result
(Include percent and type in result, e.g. 50 percent/Chrysotile).		
2295022101	≈8' ABOVE FLOOR; ≈1' S of WALL 1; N WALL ≈10' E of W	No Asbestos Observed
2295022102	≈8' ABOVE FLOOR; ≈3' S of N WALL 1; ≈30' E of N WALL	No Asbestos Observed
2295022103	≈8' ABOVE FLOOR; ≈2' E of W WALL 2; ≈3' S of N	No Asbestos Observed

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions

AMA Analytical Services, Inc.

Polarized Light Microscopy Telefax

Client: Aerosol Contact: Gary Urban Analyst: Roberta Winters

Job# 22295 C. O. C. # 31227 Date: 2/22/95

Customer Sample I.D.	AMA Sample Number	Asbestos Fibers: Chrysotile	Amosite	Crocidolite	Other	Other Fibrous Material: Mineral Wool	Fibrous Glass	Organic Fibers	Other	Non-Fibrous Material: Particulate	Other	Physical Appearance Or Location
2101						20	TR	TR		80		
22102						15	TR	TR		85		
22103						15	TR	TR		85		

4485 Forbes Blvd. • Lanham, MD 20706 • (301) 459-2640 • (800) 346-0961 • FAX (301) 459-2643
An AIHA (#8863), NVLAP (#1143) & New York ELAP (#10920) Accredited Laboratory

95-841

Aerosol Monitoring & Analysis, Inc.

Environmental Consultants

Reviewed/Mailed
OCT 13 1995
T.S./WPMOX
DC010522
CANOFILE: 950914
cc: WPMFW

September 14, 1995

Mrs. Normajean Eleazer
GSA Safety and Environmental Management
Room 2080, 7th & D Streets, S.W.
Washington, D.C. 20407

CONTRACT# GS11P2MJD0063
PO# P1195DC0315
ACT# P21068195

Re: Inspection and assessment of asbestos containing sprayed-on fireproofing

Site: New Executive Office Building
725 17th Street, N.W.
Washington, D.C.

AMA JOB: #32138

Dear Mrs. Eleazer:

On August 14, 1995, George Abi-Nader and Ron Stallard of Aerosol Monitoring & Analysis, Inc. (AMA) were at the above referenced site to conduct an assessment of asbestos containing sprayed-on fireproofing located in electrical and telephone closets on floors 1-9 and in three basement transformer vaults.

During the assessment, a total of forty-five samples of gray sprayed-on fireproofing were collected. In addition to sprayed-on fireproofing, AMA collected three samples of suspect ACM pipe fitting insulation observed in the areas assessed. Samples were submitted to analyzed using polarized light microscopy (PLM) following the EPA method 600/R-93/116, "Method for the Determination of Asbestos in Bulk Building Materials". AMA Analytical Services, Inc. is accredited by the U.S. Department of Commerce, National Institute of Standards and Technology through the National Voluntary Laboratory Accreditation Program (NVLAP) for bulk asbestos analysis, NVLAP No. 101143.

Of the forty-eight bulk samples collected, forty-four were observed during PLM analysis to contain greater than 1% asbestos. All samples containing greater than 1% asbestos were of the gray sprayed-on fireproofing. The samples of mudded pipe fitting insulation were observed during laboratory analysis to be non-asbestos. Results of laboratory analysis can be found in Tables 1 and 2 of this report.

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Based on the results of PLM analysis asbestos was observed in the gray sprayed-on fireproofing. At the time of the assessment, the gray sprayed-on fireproofing was observed to be in fair condition. The grey sprayed-on fireproofing in the three encapsulated areas however, was observed to be in only fair condition. While on site, the gray sprayed-on fireproofing was observed to be delaminated with debris on the floors and equipment located in the rooms.

Due to the deterioration of the integrity of the material, AMA recommends that the gray sprayed-on fireproofing be removed to prevent exposure to those entering the rooms evaluated. Until such abatement takes place, AMA recommends notifying service personnel needing access to the telephone and electrical equipment, in the areas evaluated of the presence of the ACM gray sprayed-on fireproofing. If the gray sprayed-on fireproofing is to be removed, the asbestos abatement should be performed in accordance with all pertaining regulations and by trained personnel using abatement techniques acceptable to the GSA. Enclosed please find asbestos laboratory results, and certificates of analysis. If you have any questions regarding these results please contact our office at (410) 684-3327.

Sincerely,

Gary L. Urban
Project Manager

Table 1
New Executive Office Building
Bulk Sampling Results
For Gray Sprayed-on Fireproofing
August 14, 1995

LOCATION/ ROOM NO.	APPROX. QTY. (SQ.FT.)	CONDITION	COMMENTS	SAMPLE NO.	ANALYTICAL RESULTS
9004	50	fair		2138081401	10% Chrysotile
9006	50	fair		2138081402	15% Chrysotile
9024	50	fair		2138081403	20% Chrysotile
9022	50	fair		2138081404	25% Chrysotile
9209	50	fair			
9205	50	fair		2138081405	15%Chrysotile
9229	50	fair			
9231	50	fair			
9219	25	fair	Mudded pipe fitting insulation observed in area (1)		
8205	50	fair			
8209	50	fair			
8219	25	fair		2138081409	5% Chrysotile
8229	50	fair		2138081410	10% Chrysotile
8231	50	fair		2138081411	10% Chrysotile
8022	50	fair		2138081412	10% Chrysotile
8024	50	fair			
8006	50	fair			
8004	50	fair			
7004	50	fair		2138081413	15% Chrysotile
7006	50	fair		2138081414	10% Chrysotile
7022	50	fair			
7024	50	fair			

LOCATION/ ROOM NO.	APPROX. QTY. (SQ.FT.)	CONDITION	COMMENTS	SAMPLE NO.	ANALYTICAL RESULTS
7209	50	fair		2138081415	15% Chrysotile
7205	50	fair			
7219	25	fair			
7229	50	fair		2138081416	5% Chrysotile
7231	50	fair			
6231	50	fair			
6229	50	fair		2138081417	30% Chrysotile
6209	50	fair		2138081418	15% Chrysotile
6219	25	fair			
6205	50	fair			
6024	50	fair		2138081419	10% Chrysotile
6022	50	fair			
6006	50	fair		2138081420	20% Chrysotile
6004	50	fair			
5004	50	fair		2138081421	15% Chrysotile
5006	50	fair			
5022	50	fair	Encapsulated, however, ACM debris on floor and equip. in room	2138081422	25% Chrysotile
5024	50	fair			
5209	50	fair			
5205	50	fair	Encapsulated, however, ACM debris on floor and equip. in		
5219	50	fair			
5229	50	fair		2138081423	20% Chrysotile
5231	50	fair	Encapsulated, ACM debris on floor and equip. in room		

LOCATION/ ROOM NO.	APPROX. QTY. (SQ.FT.)	CONDITION	COMMENTS	SAMPLE NO.	ANALYTICAL RESULTS
4229	50	fair		2138081424	25% Chrysotile
4231	50	fair		2138081425	20% Chrysotile
4219	25	fair			
4209	50	fair		2138081426	20% Chrysotile
4205	50	fair		2138081427	15% Chrysotile
4024	50	fair		2138081428	20% Chrysotile
4022	50	fair			
4004	50	fair			
4006	50	fair			
3006	50	fair		2138081429	20% Chrysotile
3004	50	fair			
3022	50	fair		2138081431	25% Chrysotile
3024	50	fair		2138081430	15% Chrysotile
3209	50	fair		2138081432	15% Chrysotile
3205	50	fair			
3219	25	fair	Mudded pipe fitting insulation observed in area (2)		
3229	50	fair		2138081433	20% Chrysotile
3231	50	fair		2138081834	35% Chrysotile
2020	50	fair		2138081435	10% Chrysotile
2006	50	fair		2138081436	20% Chrysotile
Room adjacent to 2006	50	fair		2138081437	15% Chrysotile
2114	50	fair			
2113	50	fair		2138081438	15% Chrysotile

LOCATION/ ROOM NO.	APPROX. QTY. (SQ.FT.)	CONDITION	COMMENTS	SAMPLE NO.	ANALYTICAL RESULTS
Cafeteria Electrical Room	200	fair	Mudded pipe fitting insulation observed in area (2)		
G205	50	fair		2138081439	15% Chrysotile
G209	75	fair		2138081440	30% Chrysotile
G229	50	fair	Area previously abated however, ACM residue observed throughout	2138081441	No asbestos observed
G231	50	fair	Area previously abated however, ACM residue observed throughout	2138081442	25% Chrysotile
G006	75	fair		2138081443	20% Chrysotile
G004	50	fair		2138081444	15% Chrysotile
B206	1200	fair	Suspect ACM floor tile and mastic observed throughout area	2138081445	20% Chrysotile
B112	1500	fair	Mudded pipe fitting insulation observed in area (2)	2138081446	25 Chrysotile
B226/B227	1200	fair	Suspect ACM floor tile and mastic observed throughout area	2138081447 and 2138081448	20% Chrysotile 25% Chrysotile

Table 2
New Executive Office Building
Bulk Sampling Results
For Mudded Pipe Fitting Insulation
August 14, 1995

LOCATION/ROOM NO.	APPROX. QTY.	CONDITION	SAMPLE NO.	ANALYTICAL RESULTS
9219	1 fittings	fair	2138081406 2138081407 2138081408	No asbestos observed
3219	2 fittings	good		
Cafeteria electrical room	2 fittings	good		
B112	2 fittings	good		

95-797

Aerosol Monitoring & Analysis, Inc.

Environmental Consultants

Reviewed/Mailed
SEP 5 1995 T.S./WPMOX
DC010522
CANOFILE: 950823
cc: WPMFW

August 23, 1995

Mrs. Normajean Eleazer
GSA Safety and Environmental Management
Room 2080, 7th & D Streets, S.W.
Washington, D.C. 20407

CONTRACT# GS11P2MJD0063
PO# P1195DC0315
ACT# P21068195

Re: Inspection and assessment of asbestos containing sprayed-on fireproofing

Site: New Executive Office Building
725 17th Street, N.W.
Washington, D.C.

AMA JOB: #32138

Dear Mrs. Eleazer:

On August 14, 1995, George Abi-Nader and Ron Stallard of Aerosol Monitoring & Analysis, Inc. (AMA) were at the above referenced site to conduct an assessment of asbestos containing sprayed-on fireproofing located in electrical and telephone closets on floors 1-9 and i three basement transformer vaults.

During the assessment, a total of forty-five samples of gray sprayed-on fireproofing were collected. In addition to sprayed-on fireproofing, AMA collected three samples of suspect ACM pipe fitting insulation observed in the areas assessed. Samples were submitted to analyzed using polarized light microscopy (PLM) following the EPA method 600/R-93/116, "Method for the Determination of Asbestos in Bulk Building Materials". AMA Analytical Services, Inc. is accredited by the U.S. Department of Commerce, National Institute of Standards and Technology through the National Voluntary Laboratory Accreditation Program (NVLAP) for bulk asbestos analysis, NVLAP No. 101143.

Of the forty-eight bulk samples collected, forty-four were observed during PLM analysis to contain greater than 1% asbestos. All samples containing greater than 1% asbestos were of the gray sprayed-on fireproofing. The samples of mudded pipe fitting insulation were observed during laboratory analysis to be non-asbestos. Results of laboratory analysis can be found in Tables 1 and 2 of this report.

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Based on the results of PLM analysis asbestos was observed in the gray sprayed-on fireproofing. At the time of the assessment, the gray sprayed-on fireproofing was observed to be in poor condition in all but three areas which had been encapsulated. The gray sprayed-on fireproofing in the three encapsulated areas however, was observed to be in only fair condition. While on site, the gray sprayed-on fireproofing was observed to be significantly delaminated with debris on the floors and equipment located in the rooms.

Due to the significant deteriorization of the integrity of the material, AMA recommends that the gray sprayed-on fireproofing be removed to prevent exposure to those entering the rooms evaluated. Until such abatement takes place, AMA recommends notifying service personnel needing access to the telephone and electrical equipment, in the areas evaluated of the presence of the ACM gray sprayed-on fireproofing. If the gray sprayed-on fireproofing is to be removed, the asbestos abatement should be performed in accordance with all pertaining regulations and by trained personnel using abatement techniques acceptable to the GSA. Enclosed please find asbestos laboratory results, and certificates of analysis. If you have any questions regarding these results please contact our office at (410) 684-3327.

Sincerely,

Gary L. Urban
Project Manager

Table 1
New Executive Office Building
Bulk Sampling Results
For Gray Sprayed-on Fireproofing
August 14, 1995

LOCATION/ ROOM NO.	APPROX. QTY. (SQ.FT.)	CONDITION	COMMENTS	SAMPLE NO.	ANALYTICAL RESULTS
9004	50	poor		2138081401	10% Chrysotile
9006	50	poor		2138081402	15% Chrysotile
9024	50	poor		2138081403	20% Chrysotile
9022	50	poor		2138081404	25% Chrysotile
9209	50	poor			
9205	50	poor		2138081405	15%Chrysotile
9229	50	poor			
9231	50	poor			
9219	25	poor	Mudded pipe fitting insulation observed in area (1)		
8205	50	poor			
8209	50	poor			
8219	25	poor		2138081409	5% Chrysotile
8229	50	poor		2138081410	10% Chrysotile
8231	50	poor		2138081411	10% Chrysotile
8022	50	poor		2138081412	10% Chrysotile
8024	50	poor			
8006	50	poor			
8004	50	poor			
7004	50	poor		2138081413	15% Chrysotile
7006	50	poor		2138081414	10% Chrysotile
7022	50	poor			
7024	50	poor			

LOCATION/ ROOM NO.	APPROX. QTY. (SQ.FT.)	CONDITION	COMMENTS	SAMPLE NO.	ANALYTICAL RESULTS
7209	50	poor		2138081415	15% Chrysotile
7205	50	poor			
7219	25	poor			
7229	50	poor		2138081416	5% Chrysotile
7231	50	poor			
6231	50	poor			
6229	50	poor		2138081417	30% Chrysotile
6209	50	poor		2138081418	15% Chrysotile
6219	25	poor			
6205	50	poor			
6024	50	poor		2138081419	10% Chrysotile
6022	50	poor			
6006	50	poor		2138081420	20% Chrysotile
6004	50	poor			
5004	50	poor		2138081421	15% Chrysotile
5006	50	poor			
5022	50	fair	Encapsulated, however, ACM debris on floor and equip. in room	2138081422	25% Chrysotile
5024	50	poor			
5209	50	poor			
5205	50	fair	Encapsulated, however, ACM debris on floor and equip. in		
5219	50	poor			
5229	50	poor		2138081423	20% Chrysotile
5231	50	fair	Encapsulated, ACM debris on floor and equip. in room		

LOCATION/ ROOM NO.	APPROX. QTY. (SQ.FT.)	CONDITION	COMMENTS	SAMPLE NO.	ANALYTICAL RESULTS
4229	50	poor		2138081424	25% Chrysotile
4231	50	poor		2138081425	20% Chrysotile
4219	25	poor			
4209	50	poor		2138081426	20% Chrysotile
4205	50	poor		2138081427	15% Chrysotile
4024	50	poor		2138081428	20% Chrysotile
4022	50	poor			
4004	50	poor			
4006	50	poor			
3006	50	poor		2138081429	20% Chrysotile
3004	50	poor			
3022	50	poor		2138081431	25% Chrysotile
3024	50	poor		2138081430	15% Chrysotile
3209	50	poor		2138081432	15% Chrysotile
3205	50	poor			
3219	25	poor	Mudded pipe fitting insulation observed in area (2)		
3229	50	poor		2138081433	20% Chrysotile
3231	50	poor		2138081834	35% Chrysotile
2020	50	poor		2138081435	10% Chrysotile
2006	50	poor		2138081436	20% Chrysotile
Room adjacent to 2006	50	poor		2138081437	15% Chrysotile
2114	50	poor			
2113	50	poor		2138081438	15% Chrysotile

LOCATION/ ROOM NO.	APPROX. QTY. (SQ.FT.)	CONDITION	COMMENTS	SAMPLE NO.	ANALYTICAL RESULTS
Cafeteria Electrical Room	200	poor	Mudded pipe fitting insulation observed in area (2)		
G205	50	poor		2138081439	15% Chrysotile
G209	75	poor		2138081440	30% Chrysotile
G229	50	poor	Area previously abated however, ACM residue observed throughout	2138081441	No asbestos observed
G231	50	poor	Area previously abated however, ACM residue observed throughout	2138081442	25% Chrysotile
G006	75	poor		2138081443	20% Chrysotile
G004	50	poor		2138081444	15% Chrysotile
B206	1200	poor	Suspect ACM floor tile and mastic observed throughout area	2138081445	20% Chrysotile
B112	1500	poor	Mudded pipe fitting insulation observed in area (2)	2138081446	25 Chrysotile
B226/B227	1200	poor	Suspect ACM floor tile and mastic observed throughout area	2138081447 and 2138081448	20% Chrysotile 25% Chrysotile

Table 2
New Executive Office Building
Bulk Sampling Results
For Mudded Pipe Fitting Insulation
August 14, 1995

LOCATION/ROOM NO.	APPROX. QTY.	CONDITION	SAMPLE NO.	ANALYTICAL RESULTS
9219	1 fittings	fair	2138081406 2138081407 2138081408	No asbestos observed
3219	2 fittings	good		
Cafeteria electrical room	2 fittings	good		
B112	2 fittings	good		

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 725 17th St., NW
BLDG NO.: N/A
SHEET 1 OF 6
Location In Bldg: ~~Room 9004~~ floors 9, 8, 7
(include Functional Space)
HOMOGENEOUS AREA: gray sprayed-on fire-proofing

ASSESSMENT DATE: 8-14-95
AMOUNT(sq ft): (see gen. Rpt.)
or (linear ft)

Type of Material
- ✓ Fireproofing
- __ Acoustic Plaster
- __ Acoustic Tile
- __ Thermal Systems Insulation
- __ Vinyl Floor Tile
- __ Other: _____

Damage
- ✓ Significant
- __ Minor
- __ None

Accessibility
- __ High
- ✓ Medium
- __ Low

Air Plenum N
(Y or N)

Friability
- ✓ High
- __ Medium
- __ Low

Vibration
- __ High
- __ Med
- ✓ Low

Potential for Air Erosion
- __ High
- __ Moderate
- ✓ Low

Comments: _____

AHERA Classification (see instructions): _____

Sample Number	Sample location	Result (Include percent and type in result, e.g. 50 percent/Chrysotile).
2138081401	9004	10 % Chrysotile
2138081402	9006	15
2138081403	9024	20
2138081404	9022	25
2138081409	8219	5
2138081410	8229	10
2138081411	8231	10
2138081412	8022	10
2138081413	7004	15

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions.

2/6

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 725 17th St, NW
BLDG NO.:
SHEET 2 OF 6
Location In Bldg: Floor 9, room 9219
(include Functional Space)
HOMOGENEOUS AREA: <6" OD mudded pipe fitting insulation

ASSESSMENT DATE: 8-14-95
AMOUNT(sq ft): ~~(1 fitting)~~ (see gen. obs)
or (linear ft)

Type of Material	Damage	Accessibility
__Fireproofing	__Significant	__High
__Acoustic Plaster	✓Minor	✓Medium
__Acoustic Tile	__None	__Low
✓Thermal Systems Insulation		
__Vinyl Floor Tile		Air Plenum___
__Other:_____		(Y or N)_

Friability	Vibration	Potential for Air Erosion
✓High	__High	__High
__Medium	__Med	__Moderate
__Low	✓Low	✓Low

Comments:

AHERA Classification (see instructions):

Sample Number	Sample location	Result
(Include percent and type in result, e.g. 50 percent/Chrysotile).		
2138081406	room 9219, N of S, ≈3' E of W, ≈10' off floor, ≈3'	No Asb. Observed (N.A.O.)
2138081407	↓	Trace Chrysotile Asb. observed
2138081408	↓	N.A.O.

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions.

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 725 17th St., NW
BLDG NO.: N/A
SHEET 3 OF 6
Location In Bldg: floors 7, 6, 5
(include Functional Space)

ASSESSMENT DATE: 8-14-95
AMOUNT(sq ft): (per gen. obs.)
or (linear ft)

HOMOGENEOUS AREA: gray sprayed-on fireproofing

Type of Material	Damage	Accessibility
✓ Fireproofing	✓ Significant	___ High
___ Acoustic Plaster	___ Minor	✓ Medium
___ Acoustic Tile	___ None	___ Low
___ Thermal Systems Insulation		
___ Vinyl Floor Tile		Air Plenum ✓
___ Other:		(Y or N)

Friability	Vibration	Potential for Air Erosion
✓ High	___ High	___ High
___ Medium	___ Med	___ Moderate
___ Low	✓ Low	✓ Low

Comments:

AHERA Classification (see instructions):

Sample Number	Sample location	Result (Include percent and type in result, e.g. 50 percent/Chrysotile).
21380814 14	7006	10 % Chrysotile
21380814 15	7209	15
21380814 16	7229	5
21380814 17	6229	30
21380814 18	6209	15
21380814 19	6029	10
21380814 20	6006	20
21380814 21	5004	15
21380814 22	5022	25

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions.

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 725 17th St., NW
BLDG NO.: N/A
SHEET 4 OF 6
Location In Bldg: floors 5, 4, 3
(include Functional Space)
HOMOGENEOUS AREA: gray sprayed-on Fireproofing

ASSESSMENT DATE: 8-14-95
AMOUNT(sq ft): (see gr.)
or (linear ft) (obs.)

Type of Material
- ✓ Fireproofing
- __ Acoustic Plaster
- __ Acoustic Tile
- __ Thermal Systems Insulation
- __ Vinyl Floor Tile
- __ Other: _____

Damage
- ✓ Significant
- __ Minor
- __ None

Accessibility
- __ High
- ✓ Medium
- __ Low

Air Plenum (Y or N) ✓

Friability
- ✓ High
- __ Medium
- __ Low

Vibration
- __ High
- __ Med
- ✓ Low

Potential for Air Erosion
- __ High
- __ Moderate
- ✓ Low

Comments: _____

AHERA Classification (see instructions): _____

Sample Number	Sample location	Result (Include percent and type in result, e.g. 50 percent/Chrysotile).
2138081423	5229	20 % Chrysotile
2138081424	4229	25
2138081425	4231	20
2138081426	4209	20
2138081427	4205	15
2138081428	4024	20
2138081429	3006	20
2138081430	3024	15
2138081431	3027	25

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions.

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 725 17th St., NW
BLDG NO.: N/A
SHEET 5 OF 6
Location In Bldg: floors 3, 2, 1(G)
(include Functional Space)

ASSESSMENT DATE: 8-14-95
AMOUNT(sq ft): (all gen. dr.)
or (linear ft)

HOMOGENEOUS AREA:

Type of Material
- ✓ Fireproofing
- __ Acoustic Plaster
- __ Acoustic Tile
- __ Thermal Systems Insulation
- __ Vinyl Floor Tile
- __ Other:

Damage
- ✓ Significant
- __ Minor
- __ None

Accessibility
- __ High
- ✓ Medium
- __ Low

Air Plenum ✓
(Y or N)

Friability
- ✓ High
- __ Medium
- __ Low

Vibration
- __ High
- __ Med
- ✓ Low

Potential for Air Erosion
- __ High
- __ Moderate
- ✓ Low

Comments:

AHERA Classification (see instructions):

Sample Number	Sample location	Result (Include percent and type in result, e.g. 50 percent/Chrysotile).
2138081432	3209	15 % Chrysotile
2138081433	3229	20
2138081434	3231	35
2138081435	2020 ("vault")	10
2138081436	2006	20
2138081437	Electrical closet adjacent to 2006	15
2138081438	2113	15
2138081439	G205	15
2138081440	G209	30

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions.

6/6

ASBESTOS ASSESSMENT DATA

BLDG NAME: NEOB
ADDRESS: 725 17th St. NW
BLDG NO.: N/A
SHEET 6 OF 6
Location In Bldg: floors 1(G)
(include Functional Space)
HOMOGENEOUS AREA: gray sprayed-on fireproofing

ASSESSMENT DATE: 8-14-95
AMOUNT(sq ft): (see gen obs.)
or (linear ft)

Type of Material
✓ Fireproofing
__ Acoustic Plaster
__ Acoustic Tile
__ Thermal Systems Insulation
__ Vinyl Floor Tile
__ Other: _____

Damage
✓ Significant
__ Minor
__ None

Accessibility
__ High
✓ Medium
__ Low

Air Plenum N
(Y or N)

Friability
✓ High
__ Medium
__ Low

Vibration
__ High
__ Med
✓ Low

Potential for Air Erosion
__ High
__ Moderate
✓ Low

Comments: _____

AHERA Classification (see instructions): _____

Sample Number	Sample location	Result
(Include percent and type in result, e.g. 50 percent/Chrysotile).		
2138081441	G229	No Asbestos Observed
2138081442	G231	25 % Chrysotile
2138081443	G006	20
2138081444	G004	15
2138081445	B206	20
2138081446	B112	25
2138081447	B227 & B226	20
2138081448	B227 & B226	25

NOTE: Use one form per homogeneous area. Consult 40 CFR Part 763 for sampling and analytical protocols and definitions.

AMA Analytical Services, Inc.

Polarized Light Microscopy Telefax

lient: Aerosol Contact: Gary Urban Analyst: Roberta Winters

ob #: 32138 COC #: 37244 Date: 8/15/95

Customer Sample I.D.	AMA Sample Number	Fibrous Asbestos %: Chrysotile	Amosite	Crocidolite	Other	Other Fibrous Material %: Mineral Wool	Fibrous Glass	Organic Fibers	Other	Non-Fibrous Material %: Particulate	Other	Physical Appearance Or Location
31401		10				55				35		
31402		15				48		2		35		
31403		20				55				25		
31404		25				50				25		
31405		15				65		TR		20		
31406						35		TR		65		
31407		TR				25		TR		75		
31408						25		TR		75		
31409		5				75				20		
31410		10				60		TR		30		
31411		10				60				30		
81412		10				60				30		
81413		15				50				35		
81414		10				50		TR	10	30		Other = synthetic
81415		15				55		TR		30		

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An AIHA (#8863), NYLAP (#1143) & New York ELAP (#10920) Accredited Laboratory

AMA Analytical Services, Inc.

Polarized Light Microscopy Telefax

Client: Aerosol Contact: Gary Urban Analyst: Roberta Winters

Job #: 32138 COC #: 37244 Date: 8/15/95

Customer Sample I.D.	AMA Sample Number	Fibrous Asbestos %: Chrysotile	Amosite	Crocidolite	Other	Other Fibrous Material %: Mineral Wool	Fibrous Glass	Organic Fibers	Other	Non-Fibrous Material %: Particulate	Other	Physical Appearance Or Location
81416		5				60		TR		35		
81417		30				43		2		25		
81418		15				50		5		30		
81419		10				60		TR		30		
81420		20				52			3	25		other = synthetic
81421		15				60		TR		25		
81422		25				55				20		
81423		20				50		3	2	25		other = synthetic
81424		25				55		TR		30		
81425		20				55		TR		25		
81426		20				50		5		25		
81427		15				65		TR		20		
81428		20				55		TR		25		
81429		20				55		2		23		
81430		15				55		TR		30		

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AMA Analytical Services, Inc.

Polarized Light Microscopy Telefax

Client: Aerosol Contact: Gary Urban Analyst: Roberta Winters

Job #: 32138 COC #: 37244 Date: 8/15/95

Customer Sample I.D.	AMA Sample Number	Fibrous Asbestos %: Chrysotile	Amosite	Crocidolite	Other	Other Fibrous Material %: Mineral Wool	Fibrous Glass	Organic Fibers	Other	Non-Fibrous Material %: Particulate	Other	Physical Appearance Or Location
81431		25				45		TR		30		
81432		15				60		TR		25		
81433		20				50				30		
81434		35				45		TR	TR	20		Other= synthetic
81435		10				60		TR	3	27		other= synthetic
81436		20				47		TR	3	30		Other= synthetic
81437		15				55		TR		30		
81438		15				60		TR		25		
81439		15				60				25		
81440		30				35		TR		35		
81441						80		TR		20		
81442		25				50		TR		25		
81443		20				50		TR		30		
81444		15				60				25		
81445		20				45				35		

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AMA Analytical Services, Inc.

Polarized Light Microscopy Telefax

Client: Aerosol Contact: Gary Urban Analyst: Roberta Winters

Job #: 32138 COC #: 37244 Date: 8/15/95

Customer Sample I.D.	AMA Sample Number	Fibrous Asbestos %: Chrysotile	Amosite	Crocidolite	Other	Other Fibrous Material %: Mineral Wool	Fibrous Glass	Organic Fibers	Other	Non-Fibrous Material %: Particulate	Other	Physical Appearance Or Location
81446		25				45				30		
81447		20				55		TR		25		
81448		25				45				30		

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ROUTING SLIP

TO	CO	NCR	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10

NAME/TITLE	CORRES. SYMBOL	RECEIVED	
		INITIAL	DATE
1. William Cobbs/Buildings Manager	WPMFW		
2. Jeter Morris/Assistant Buildings Manager	WPMFW		
3.			
4.			
5.			

X	Necessary Action		Recommendation		As Requested
	For Signature		Comment		See Me
	Concurrence		Initial and Return	X	Your Information
	Approval		Per Conversation		Other (Specify)

REPLY OR INTERIM REPLY	DUE	FOR SIGNATURE OF

REMARKS

Subject: Asbestos Inspection and Assessment Report
New Executive Office Building (NEOB)
(DC0105ZZ)
725 17th Street, NW
Washington, DC

The Safety and Environment Branch has reviewed the attached asbestos inspection and assessment report. I am forwarding a copy of the report for your necessary action, and for retention in your facility/project asbestos records.

Should you have questions concerning the report, please feel free to contact me at (202) 708-5236.

Thank you,

Attachment(s)

NAME/TITLE	CORRES. SYMBOL	BUILDING ROOM NO.
Tim Sleeth Timothy Sleeth Industrial Hygienist	WPMOX	ROB Room 2080
	TELEPHONE NO. (202) 708-5236	DATE 09/05/95

4/A/5

316 PG
#530

OCCUPATIONAL
MEDICAL CENTER, INC.

490 L'Enfant Plaza East, S.W., Suite 4300, P.O. Box 23580, Washington, D.C. 20026 (202) 488-7990

January 16, 1986

Asbestos Assessment
New Executive Office Building **(DC0105ZZ)**

PERFORMED FOR:

General Services Administration
Accident and Fire Prevention Branch - WPSA
ROB ROOM 2034
7th and D Streets, S.W.
Washington, DC 20407

Contract # GS-11C-40323 Work Request # N/A

ATTN: Mr. Jesse Walter Jr.

At the request of GSA's Accident and Fire Prevention Branch, the Occupational Medical Center has conducted an asbestos assessment survey of the New Executive Office Building located at 726 Jackson Place N.W., Washington, D.C., during the day(s) of March 3-7, 1986.

The assessment for asbestos containing materials (ACM) was accomplished through visual identification of areas where suspected ACM occurred.

Asbestos containing materials (ACM) was identified in four main groups of materials, spray on insulation; pipe and duct insulation; acoustical type plaster on ceilings; and insulation on the interior of the building's fire doors.

Spray on insulation was identified on the first basement through ninth floors (see NEOB-1). The insulation covered all ceilings, beams, and fixtures with an asbestos content from 15% to 40%. The insulation was originally sprayed on wet and was found to be loose and highly friable. Pieces of the material were found on the floors in places where the ceiling was open (such as the garage and in mechanical/electrical rooms). Some pieces were also observed on top of grates in false ceilings used as return air plenums.

Pipes and ducts sampled mainly in mechanical equipment rooms were determined to possess ACM. Pipes were typically insulated with fiberglass with "mud" insulation on fittings which contained asbestos (at a few locations). Damage to some fittings was noted. Air handling unit ductwork, chiefly on the penthouse floor were insulated with a plaster-like ACM insulation. Damage to these ducts was minor. Two tanks in the East Mechanical Room (on the penthouse floor), marked AIR SEP TANK F.T. and F.C. were found to be insulated with ACM (NEOB-28), with minor damage.

Acoustical type, ACM plaster was found on ceilings in the elevator lobbies (including service elevators) on all floors (see NEOB-3 through NEOB-6 for typical ACM content). In the first basement this type of material was also noted in the corridor leading to the loading dock. On the ground floor the ceiling type extends to the building lobby. On the second floor this ceiling type was observed in the food locker/freezer rooms of the cafeteria kitchen (no damage was observed). Minor damage was most commonly observed in the service elevator lobbies.

Fire doors in all main corridors and at all stairways were found to possess ACM air cell insulation on the interior of the doors. Visual access was made possible where cover plates for the door latches were missing or loose.

If there are any questions regarding this matter, please do not hesitate to contact this office.

Sincerely,

Michael J. Larsen, C.I.H.
Director, Industrial Hygiene Services

BD/cd

Table of Contents
New Executive Office Building

Sheet Number	Location in Building
NEOB-1	First Basement - Ninth Floors
NEOB-2	Fire Doors All Floors
NEOB-3	Sub-Basement, Elevator Lobbies
NEOB-4	First Basement, Elevator Lobbies
NEOB-5	Ground Floor, Textured Ceiling
NEOB-6	Fourth Floor, Elevator Lobbies
NEOB-7	Sub-basement, Mechanical Room SB214
NEOB-8	Sub-basement, GSA Store (Rm. SB221-A)
NEOB-9	Sub-basement, Parking Garage
NEOB-10	Sub-basement, Compressor Room
NEOB-11	Sub-basement, Exercise Room
NEOB-12	First Basement, Carpentry Shop & Loading Dock
NEOB-13	First Basement, West Wing
NEOB-14	First Basement, Garage
NEOB-15	Ground Floor, Mechanical Room G117
NEOB-16	Ground Floor, Room G211
NEOB-17	Ground Floor, Room G236
NEOB-18	Ground Floor, Room G201 (and Shaft in Back)
NEOB-19	Ground Floor, Corridor Outside Room G236
NEOB-20	Second Floor, Cafeteria Kitchen

NEOB-21	Third Floor, Room 3113
NEOB-22	Third Floor, Mechanical Room 3004
NEOB-23	Fourth Floor, Mechanical Room 4004
NEOB-24	Fifth Floor, Mechanical Room 5209
NEOB-25	Seventh Floor, Room 7205
NEOB-26	Ninth Floor, Room 9205
NEOB-27	Tenth Floor, Room 10001C
NEOB-28	Penthouse, East Mechanical Room
NEOB-29	Penthouse, West Mechanical Room
NEOB-30	Penthouse, Mechanical Room #2
NEOB-31	Penthouse, Mechanical Room #3
NEOB-32	Penthouse, Mechanical Room #4

ASBESTOS ASSESSMENT FORM

2 - Sided copying

BUILDING NAME: New Executive Office Buil

BUILDING ADDRESS: 726 Jackson Place N.W.

BUILDING NUMBER: DC0105ZZ

LOCATION IN BUILDING: First Basement - 9th

3/3/86 - 3/7/86

roximately 400,000

EPA SITE RANKING:
- __ RANK 1
- __ RANK 2
- __ RANK 3
- X RANK 4

The following represents the best judgment of the

1. CHECK BLOCK THAT BEST DESCRIBES SITUATION:

Type of Material
- X Fireproofing/insulation
- __ Acoustical plaster
- __ Other: _____

Water D
- __ No w
- X Minor
- __ Major

Friability
- __ Non-friable
- X Friable

Pipe or
- __ Not
- X Present but not damaged
- __ Present and damaged

le

ent
ivity
- __ Moderate activity
- X High activity

Damage or Deterioration
- __ No damage or deterioration
- __ Moderate damage or deterioration
- X Severe damage or deterioration

Exposed Surface Area
- __ Material not exposed
- __ 10% or less exposed
- X >10% exposed

Air Plenum
- __ No plenum or direct airstream
- X Plenum or direct airstream present

2. CHECK RECOMMENDATIONS FOR CORRECTIVE ACTION:

A. Abatement Actions

Type of Action
- X Removal
- X Encapsulation
- __ Enclosure
- __ Abatement not needed

When Recommended
- __ During planned alteration, or
- X Abatement action needed sooner

B. Precautionary Controls

Maintenance & Operation
- X Special maintenance
- X Special cleaning
- X Special alteration & demolition
- __ Controls not needed
- X Other Update as needed

Visual Inspection and Air Monitoring
- __ Monthly
- X Quarterly
- __ Annually

Assessor: Duggan/Miller

Type of material sampled:
Spray on insulation

Sample Number	Result
See Sample Summary Sheet	

Comments

Spray on insulation was observed on ceilings, beams & on fixtures (as overspray). The insulation was absent from rooms inspected on the 10th floor. False ceilings and suspended ceilings form barriers to access in most floors. Open ceilings in the garages, in transformer vault rooms, telephone and electrical closets, & some mechanical rooms have exposed insulation with pieces observed on floors. Ceiling vents for return air flow were observed to have pieces of insulation laying on & hang fro ese ts st ply.

SAMPLE SUMMARY SHEET

SAMPLE NUMBER	DESCRIPTION	RESULT
NEOBDC-3-4-B31	First Basement garage (½ garage area covered), ceiling	35-40% Chrysotile
NEOBDC-3-4-B32	Same as B31	30-35% Chrysotile
NEOBDC-3-4-B33	Same as B31	20-25% Chrysotile
NEOBDC-3-4-B40	Carpentry shop & office, above suspended ceiling	25-30% Chrysotile
NEOBDC-3-4-B41	Same as B40	25-30% Chrysotile
NEOBDC-3-4-B42	Same as B40	35-40% Chrysotile
NEOBDC-3-4-B46	First Basement Rm. B112	20-25% Chrysotile
NEOBDC-3-4-B47	Same as B46	30-35% Chrysotile
NEOBDC-3-4-B48	Same as B46	30-35% Chrysotile
NEOBDC-3-4-B49	First Basement, @ Stair #2	30-35% Chrysotile
NEOBDC-3-4-B50	Same as B49	30-35% Chrysotile
NEOBDC-3-4-B51	Same as B49	30-35% Chrysotile
NEOBDC-3-6-B1	Ground Floor Rm. G211	20-25% Chrysotile
NEOBDC-3-6-B2	Same as B1	25-30% Chrysotile
NEOBDC-3-6-B3	Same as B1	25-30% Chrysotile
NEOBDC-3-6-B7	Ground Floor, Rm. 236	NAD
NEOBDC-3-6-B8	Same as B7	NAD
NEOBDC-3-6-B9	Same as B7	NAD
NEOBDC-3-6-B22	Ground Floor, Rm. G117	30-35% Chrysotile
NEOBDC-3-6-B23	Same as B22	30-35% Chrysotile
NEOBDC-3-6-B24	Same as B22	35-40% Chrysotile
NEOBDC-3-7-B4	Third Floor, Rm. 3113	20-25% Chrysotile
NEOBDC-3-7-B5	Same as B4	30-35% Chrysotile
NEOBDC-3-7-B6	Same as B4	30-35% Chrysotile

NAD = No Asbestos Detected

NEOBDC-3-7-B10	Third Floor, Rm. 3004	20-25% Chrysotile
NEOBDC-3-7-B11	Same as B10	25-30% Chrysotile
NEOBDC-3-7-B12	Same as B10	25-30% Chrysotile
NEOBDC-3-7-B13	Fourth Floor, Rm. 4004	30-35% Chrysotile
NEOBDC-3-7-B14	Same as B13	35-40% Chrysotile
NEOBDC-3-7-B15	Same as B13	30-35% Chrysotile
NEOBDC-3-7-B19	Fifth Floor, Rm. 5209	30-35% Chrysotile
NEOBDC-3-7-B21	Same as B19	25-30% Chrysotile
NEOBDC-3-7-B22	Seventh Floor, Rm. 7205	35-40% Chrysotile
NEOBDC-3-7-B23	Same as B22	25-30% Chrysotile
NEOBDC-3-7-B24	Same as B22	15-20% Chrysotile
NEOBDC-3-7-B25	Ninth Floor, Rm. 9205	20-25% Chrysotile
NEOBDC-3-7-B26	Same as B25	20-25% Chrysotile
NEOBDC-3-7-B27	Same as B25	30-35% Chrysotile

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
1ST BASEMENT GARAGE ON CEILING (1/2 GAR.) AND BEAMS

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B31

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 35 - 40%

Chrysotile	[$Mg_3 Si_2 O_5 (OH)_4$]	35 - 40%

*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT

ORGANIC FIBER	< 1%
MINERAL WOOL	35% - 40%
ACICULAR OPAQUES (MAGNETITE)	< 1%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 20% - 25%
CARBONATES
VARIOUS OTHER MATERIALS
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B31

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B32

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 30 - 35%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 35% - 40%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 25% - 30%
CARBONATES
VARIOUS OTHER MATERIALS
GLASS

Anthony W. Creamer OMC Analyst: EJK
Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B31

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B33

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 20 - 25%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 20 - 25%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 45% - 50%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 25% - 30%
CARBONATES
VARIOUS OTHER MATERIALS
GLASS

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
CARPENTRY SHOP NEAR LOADING DOCK ALL OVER CEILING (+ OFFICE)

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B40

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 25 - 30%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 25 - 30%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 30% - 35%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 35% - 40%
CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B40

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B41

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: WHITE

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 25 - 30%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 25 - 30%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 30% - 35%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 35% - 40%
CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS 340

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-942

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 35 - 40%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 35 - 40%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
MINERAL WOOL 30% - 35%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 25% - 30%
CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
RM B112 ELECT. RM AND TRANS. VAULT 1&2 ON CEILINGS AND BEAMS

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B46

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: LIGHT GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 20 - 25%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 20 - 25%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 30% - 35%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 40% - 45%
CARBONATES
GLASS
VARIOUS OTHER MATERIALS
SILICATES

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

03/20/86

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B46

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B47

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: LIGHT GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%

Chrysotile	[$Mg_3 Si_2 O_5 (OH)_4$]	30 - 35%

*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT

ORGANIC FIBER	< 1%
MINERAL WOOL	30% - 35%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 30% - 35%
CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS
OPAQUES

Anthony W. Creamer
Lab Supervisor

OMC Analyst: CB

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B46

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B48

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 30 - 35%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 30% - 35%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 30% - 35%
CARBONATES
GLASS
VARIOUS OTHER MATERIALS
OPAQUES

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/06/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
1ST BASEMENT, HALL AT STAIR #2 ACCESS DOOR UNDER H20 FOUNTAIN (FALLEN PIECES)

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B49

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY WHITE

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 30 - 35%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 30% - 35%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 30% - 35%
CARBONATES
GLASS
VARIOUS OTHER MATERIALS
OPAQUES

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/06/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B49

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B50

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 30 - 35%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 30% - 35%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 30% - 35%
CARBONATES
GLASS
VARIOUS OTHER MATERIALS
OPAQUES

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/06/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B49

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B51

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 30 - 35%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 30% - 35%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 30% - 35%
GLASS
CARBONATES
VARIOUS OTHER MATERIALS
OPAQUES

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/06/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
GROUND FLOOR. RM G211 (ELECT. CLOSET) ON CEILING BEAMS PIECES ON FLOOR

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-06-B1

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: BUFF

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 20 - 25%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 20 - 25%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 30% - 35%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 40% - 45%
CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/06/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B1

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-06-B2

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: WHITE

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 25 - 30%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 25 - 30%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 25% - 30%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 40% - 45%
CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/06/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B1

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-06-B3

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: WHITE

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 25 - 30%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 25 - 30%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 25% - 30%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 40% - 45%
CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Cresamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/06/96
Date Analyzed: 03/10/96
Date Reported: 03/19/96
Phone: 395-3675

** LOCATION **
RM G236 SQUAD RM LOUNGE, ABOVE CEILING (ALOT OF OVERSPRAY)

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-06-B7

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY WHITE

Asbestos present is 0%

FIBROUS, NON-ASBESTOS MATERIAL PRESENT

ORGANIC FIBER	< 1%
MINERAL WOOL	70% - 75%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 25% - 30%

CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

03/20/86

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/06/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B7

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-06-B8

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY WHITE

Asbestos present is 0%

FIBROUS, NON-ASBESTOS MATERIAL PRESENT

ORGANIC FIBER	< 1%
MINERAL WOOL	65% - 70%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 30% - 35%

CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer

OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/06/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B7

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-06-B9

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY WHITE

Asbestos present is 0%

FIBROUS, NON-ASBESTOS MATERIAL PRESENT

ORGANIC FIBER	< 1%
MINERAL WOOL	65% - 70%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 30% - 35%
CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/06/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
RM G117 MECH SPACE, ON CEILING AND BEAMS

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-06-B22

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY BUFF

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 30 - 35%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 1% - 5%
MINERAL WOOL 30% - 35%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 25% - 30%
CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: DAH

Lab Supervisor

03/20/86

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/06/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B22

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-06-B23

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY BUFF

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 30 - 35%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 1% - 5%
MINERAL WOOL 30% - 35%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 25% - 30%
CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: DAH
Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/06/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B22

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-06-B24

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY BUFF

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 35 - 40%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 35 - 40%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 1% - 5%
MINERAL WOOL 35% - 40%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 15% - 20%
CARBONATES
GLASS
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: DAH

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME RM. ABOVE SCT ON CEILING, BEAMS, WITH OVERSPRAY

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-B4

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 20 - 25%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 20 - 25%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 50% - 55%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 20% - 25%
CARBONATES
GLASS
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/96
Date Analyzed: 03/10/96
Date Reported: 03/19/96
Phone: 395-3675

** LOCATION **
SAME AS B4

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-B5

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY WHITE

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 30 - 35%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
MINERAL WOOL 30% - 35%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 30% - 35%
CARBONATES
GLASS
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: DAH

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/86
Date Analyzed: 03/10/86
Date Reported: 03/19/87
Phone: 395-3675

** LOCATION **
SAME AS B4

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-B6

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY BUFF

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 30 - 35%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
MINERAL WOOL 35% - 40%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 25% - 30%
GLASS
OPAQUES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: DAH

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
RM 3004 MECH. SPACE, ON CEILING, BEAMS W/ OVERSPRAY

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-B10

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY BROWN

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 20 - 25%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 20 - 25%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 20% - 25%
MINERAL WOOL 30% - 35%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 15% - 20%
GLASS
VARIOUS OTHER MATERIALS
OPAQUES

Anthony W. Creamer OMC Analyst: DAH

Lab Supervisor

03/20/86

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B10

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-B11

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY BUFF

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 25 - 30%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 25 - 30%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 20% - 25%
MINERAL WOOL 25% - 30%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 15% - 20%
CARBONATES
GLASS
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: DAH

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B10

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-B12

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY BROWN

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 25 - 30%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 25 - 30%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 25% - 30%
MINERAL WOOL 25% - 30%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 10% - 15%
GLASS
ADHESIVE
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: DAH

Lab Supervisor

 03/20/86

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
RM. 4004 MECH. SP. ON CEILING, BEAMS W/ OVERSPRAY

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-B13

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY BROWN

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 30 - 35%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 10% - 15%
MINERAL WOOL 30% - 35%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 15% - 20%
GLASS
ADHESIVE
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: DAH

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B13

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-B14

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY BUFF

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 35 - 40%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 35 - 40%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 1% - 5%
MINERAL WOOL 35% - 40%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 15% - 20%
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: DAH

Lab Supervisor

03/20/86

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B13

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-B15

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY BROWN

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%

Chrysotile	[$Mg_3 Si_2 O_5 (OH)_4$]	30 - 35%

*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT

ORGANIC FIBER	1% - 3%
MINERAL WOOL	40% - 45%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 20% - 25%
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer

OMC Analyst: DAH

Lab Supervisor

 03/31/86

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
RM 5209 ELEC. CLOSET, ON CEILING, BEAMS, W/SPRAY ON

Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-819

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 30 - 35%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 3% - 5%
MINERAL WOOL 25% - 30%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 75% - 80%
CARBONATES
VARIOUS OTHER MATERIALS
GLASS
SILICATES

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B19

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-B21

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 25 - 30%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 25 - 30%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 5% - 10%
MINERAL WOOL 35% - 40%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 20% - 25%
CARBONATES
GLASS
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
RM 7205 COMMUNICATONS, RM. ON CEILING, BEAMS, OVERSPRAY (PIECES ON FLOOR)

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-B22

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: LIGHT GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 35 - 40%

Chrysotile	[$Mg_3 Si_2 O_5 (OH)_4$]	35 - 40%

*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT

ORGANIC FIBER	5% - 10%
MINERAL WOOL	15% - 20%
RAYON	1% - 3%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 30% - 35%
CARBONATES
GLASS
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B22

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-B23

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: LIGHT GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 25 - 30%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 25 - 30%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 1% - 3%
MINERAL WOOL 35% - 40%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 30% - 35%
FOAM
CARBONATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B22

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-B24

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: WHITE

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 15 - 20%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 15 - 20%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 3% - 5%
MINERAL WOOL 35% - 40%
RAYON 3% - 5%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 30% - 35%
CARBONATES
GLASS
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
RM 9205 ON CEILING, BEAMS, WITH OVERSPRAY (PIECES ON FLOOR)

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-B25

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: WHITE

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 20 - 25%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 20 - 25%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 10% - 15%
MINERAL WOOL 35% - 40%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 20% - 25%
CARBONATES
GLASS
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B25

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-B26

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: WHITE

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 20 - 25%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 20 - 25%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 3% - 5%
MINERAL WOOL 40% - 45%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 25% - 30%
CARBONATES
GLASS
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/86
Date Analyzed: 03/11/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B25

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-B27

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: LT. GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 30 - 35%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 30% - 35%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 30% - 35%
CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: AWC

Lab Supervisor

ASBESTOS ASSESSMENT FORM

BUILDING NAME: New Executive Office Building

BUILDING ADDRESS: 726 Jackson Place N.W.

BUILDING NUMBER: DC0105ZZ

LOCATION IN BUILDING: Fire Doors, All Floors

DATE OF ASSESSMENT: 3/4/86 - 3/7/86

SQUARE FEET Approximately 1800 *

TOTAL OCCUPANTS

EPA SITE RANKING:
- __ RANK 1
- X RANK 2
- __ RANK 3
- __ RANK 4

The following represents the best judgment of the assessor at the time of the assessment.

1. CHECK BLOCK THAT BEST DESCRIBES SITUATION:

Type of Material
- X Fireproofing/insulation
- __ Acoustical plaster
- __ Other: _____

Friability
- __ Non-friable
- X Friable

Damage or Deterioration
- X No damage or deterioration
- __ Moderate damage or deterioration
- __ Severe damage or deterioration

Water Damage
- X No water damage
- __ Minor water damage
- __ Major water damage

Pipe or Boiler Insulation
- X Not present
- __ Present but not damaged
- __ Present and damaged

Exposed Surface Area
- X Material not exposed
- __ 10% or less exposed
- __ >10% exposed

Accessibility
- __ Not accessible
- X Rarely accessible
- __ Accessible

Activity and Movement
- X None or low activity
- __ Moderate activity
- __ High activity

Air Plenum
- X No plenum or direct airstream
- __ Plenum or direct airstream present

Type of material sampled:

Air cell insulation inside fire doors

Sample Number	Result
NEOBDC-3-4-B28	30-35% C
-B29	30-35% C
-B30	25-30% C
-B31	15-20% C
-B32	20-25% C
-B33	15-20% C

2. CHECK RECOMMENDATIONS FOR CORRECTIVE ACTION:

A. Abatement Actions

Type of Action
- X Removal
- X Encapsulation
- __ Enclosure
- __ Abatement not needed

When Recommended
- X During planned alteration, or
- __ Abatement action needed sooner

B. Precautionary Controls

Maintenance & Operation
- X Special maintenance
- X Special cleaning
- X Special alteration & demolition
- __ Controls not needed
- __ Other _____

Visual Inspection and Air Monitoring
- __ Monthly
- __ Quarterly
- X Annually

Comments

Located in all corridors and stairwells.
*Rough estimate of a 3'x7' door, approximately 72 per floor times 12 floors plus 12 in penthouse.
Samples B28-B30 from second floor.
Samples B31-B33, tenth floor.

Assessor: Duggan/Miller

Title: Industrial Hygienist

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 07/04/96
Date Analyzed: 07/07/96
Date Reported: 07/18/96
Phone: 395-3675

** LOCATION **
2ND FLOOR FIRE DOOR INTERIOR INSULL. LEADING TO FREIGHT & ELEVATOR

Number of Analysis = 51
Job I.D.: NEOB0001
Lab I.D.: NEOB0001-07-04-576

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: LIGHT GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 30 - 35%
Fibrous form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 20% - 25%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 20% - 25%
CARBONATES
VARIOUS OTHER MATERIALS
ADHESIVE

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: PETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B28

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B29

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: LIGHT GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 30 - 35%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 35% - 40%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 25% - 30%
CARBONATES
OPAQUES
VARIOUS OTHER MATERIALS
ADHESIVE

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS BCE

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B30

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: LIGHT GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 25 - 30%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 25 - 30%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 45% - 50%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 20% - 25%
CARBONATES
OPAQUES
VARIOUS OTHER MATERIALS
ADHESIVE

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
1ST BASEMENT GARAGE ON CEILING (1/2 GAR.) AND BEAMS

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B31

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 35 - 40%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 35 - 40%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 35% - 40%
ACICULAR OPAQUES (MAGNETITE) < 1%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 20% - 25%
CARBONATES
VARIOUS OTHER MATERIALS
VARIOUS OTHER MATERIALS

Anthony W. Creamer CMC Analyst: ETK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS 971

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-572

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 30 - 35%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 35% - 40%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 25% - 30%
CARBONATES
VARIOUS OTHER MATERIALS
GLASS

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

03/20/86

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS BJ1

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B33

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 20 - 25%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 20 - 25%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 45% - 50%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 25% - 30%
CARBONATES
VARIOUS OTHER MATERIALS
GLASS

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

ASBESTOS ASSESSMENT FORM

BUILDING NAME: New Executive Office Building

BUILDING ADDRESS: 726 Jackson Place N.W.

BUILDING NUMBER: DC0105ZZ

LOCATION IN BUILDING: Fire Doors, All Floors

DATE OF ASSESSMENT: 3/4/86 - 3/7/86

SQUARE FEET: Approximately 1800 *

TOTAL OCCUPANTS: _____

EPA SITE RANKING:
- __ RANK 1
- X RANK 2
- __ RANK 3
- __ RANK 4

The following represents the best judgment of the assessor at the time of the assessment.

1. CHECK BLOCK THAT BEST DESCRIBES SITUATION:

Type of Material
- X Fireproofing/insulation
- __ Acoustical plaster
- __ Other: _____

Friability
- __ Non-friable
- X Friable

Damage or Deterioration
- X No damage or deterioration
- __ Moderate damage or deterioration
- __ Severe damage or deterioration

Water Damage
- X No water damage
- __ Minor water damage
- __ Major water damage

Pipe or Boiler Insulation
- X Not present
- __ Present but not damaged
- __ Present and damaged

Exposed Surface Area
- X Material not exposed
- __ 10% or less exposed
- __ >10% exposed

Accessibility
- __ Not accessible
- X Rarely accessible
- __ Accessible

Activity and Movement
- X None or low activity
- __ Moderate activity
- __ High activity

Air Plenum
- X No plenum or direct airstream
- __ Plenum or direct airstream present

Type of material sampled:

Air cell insulation inside fire doors

Sample Number	Result
NEOBDC-3-4-B28	30-35% C
-B29	30-35% C
-B30	25-30% C
-B31	15-20% C
-B32	20-25% C
-B33	15-20% C

2. CHECK RECOMMENDATIONS FOR CORRECTIVE ACTION:

A. Abatement Actions

Type of Action
- X Removal
- X Encapsulation
- __ Enclosure
- __ Abatement not needed

When Recommended
- X During planned alteration, or
- __ Abatement action needed sooner

B. Precautionary Controls

Maintenance & Operation
- X Special maintenance
- X Special cleaning
- X Special alteration & demolition
- __ Controls not needed
- __ Other _____

Visual Inspection and Air Monitoring
- __ Monthly
- __ Quarterly
- X Annually

Comments

Located in all corridors and stairwells.
*Rough estimate of a 3'x7' door, approximately 72 per floor times 12 floors plus 12 in penthouse.
Samples B28-B30 from second floor.
Samples B31-B33, tenth floor.

Assessor: Duggan/Miller

Title: Industrial Hygienist

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
2ND FLOOR FIRE DOOR INTERIOR INSUL. LEADING TO FREIGHT E;ELEVATOR

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B28

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: LIGHT GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 30 - 35%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 30% - 35%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 30% - 35%
CARBONATES
VARIOUS OTHER MATERIALS
ADHESIVE

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B28

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B29

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: LIGHT GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 30 - 35%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 35% - 40%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 25% - 30%
CARBONATES
OPAQUES
VARIOUS OTHER MATERIALS
ADHESIVE

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B28

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B30

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: LIGHT GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 25 - 30%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 25 - 30%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 45% - 50%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 20% - 25%
CARBONATES
OPAQUES
VARIOUS OTHER MATERIALS
ADHESIVE

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
1ST BASEMENT GARAGE ON CEILING (1/2 GAR.) AND BEAMS

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B31

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 35 - 40%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 35 - 40%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 35% - 40%
ACICULAR OPAQUES (MAGNETITE) < 1%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 20% - 25%
CARBONATES
VARIOUS OTHER MATERIALS
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B31

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B32

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 30 - 35%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 35% - 40%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 25% - 30%
CARBONATES
VARIOUS OTHER MATERIALS
GLASS

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B31

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B33

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 20 - 25%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 20 - 25%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
MINERAL WOOL 45% - 50%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 25% - 30%
CARBONATES
VARIOUS OTHER MATERIALS
GLASS

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

ASBESTOS ASSESSMENT FORM

BUILDING NAME: New Executive Office Building

BUILDING ADDRESS: 726 Jackson Place N.W.

BUILDING NUMBER: DC0105ZZ

LOCATION IN BUILDING: Sub-basement, elevator lobbies

DATE OF ASSESSMENT: 3/4/86

SQUARE FEET Approximately 600

TOTAL OCCUPANTS < 20

EPA SITE RANKING:
- __ RANK 1
- __ RANK 2
- X RANK 3
- __ RANK 4

The following represents the best judgment of the assessor at the time of the assessment.

1. CHECK BLOCK THAT BEST DESCRIBES SITUATION:

Type of Material
- X Fireproofing/insulation
- X Acoustical plaster
- __ Other: _____

Friability
- __ Non-friable
- X Friable

Damage or Deterioration
- __ No damage or deterioration
- X Moderate damage or deterioration
- __ Severe damage or deterioration

Water Damage
- X No water damage
- __ Minor water damage
- __ Major water damage

Pipe or Boiler Insulation
- __ Not present
- __ Present but not damaged
- X Present and damaged

Exposed Surface Area
- __ Material not exposed
- X 10% or less exposed
- __ >10% exposed

Accessibility
- __ Not accessible
- __ Rarely accessible
- X Accessible

Activity and Movement
- __ None or low activity
- X Moderate activity
- __ High activity

Air Plenum
- __ No plenum or direct airstream
- X Plenum or direct airstream present

2. CHECK RECOMMENDATIONS FOR CORRECTIVE ACTION:

A. Abatement Actions

Type of Action
- X Removal
- X Encapsulation
- __ Enclosure
- __ Abatement not needed

When Recommended
- __ During planned alteration,
- X or
- __ Abatement action needed sooner

B. Precautionary Controls

Maintenance & Operation
- X Special maintenance
- X Special cleaning
- X Special alteration & demolition
- __ Controls not needed
- X Other Update as needed

Visual Inspection and Air Monitoring
- __ Monthly
- X Quarterly
- __ Annually

Assessor: Duggan/Miller

Type of material sampled:

Pipe insulation and ceiling plaster

Sample Number	Result
NEOBDC-3-4-B10-12	10-15% C
-B13-15	NAD

NAD = No Asbestos Detected

Comments

Samples B10-B12 from ceiling plaster in the service elevator lobby & main elevator lobby. Samples B13-B15 from overhead pipe at entrance to elevator machine room (in pit).

Title: Industrial Hygienist

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
CEILING AT FREIGHT ELEVATOR (S.B.)

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B10

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: YELLOW

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 10 - 15%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 10 - 15%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 85% - 90%
CARBONATES
ADHESIVE
VARIOUS OTHER MATERIALS
SILICATES
FOAM

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B10

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B11

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: YELLOW

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 10 - 15%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 10 - 15%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 85% - 90%
CARBONATES
ADHESIVE
VARIOUS OTHER MATERIALS
FOAM
SILICATES

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B10

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B12

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: WHITE

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 10 - 15%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 10 - 15%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 85% - 90%
CARBONATES
ADHESIVE
VARIOUS OTHER MATERIALS
FOAM
SILICATES

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
S.B. ROOM LEADING TO ELEVATOR PIT OVERHEAD PIPE FG+EM

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B13

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is 0%

FIBROUS, NON-ASBESTOS MATERIAL PRESENT

ORGANIC FIBER	< 1%
MINERAL WOOL	35% - 40%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 60% - 65%
CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer
Lab Supervisor

OMC Analyst: CB

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B13

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B14

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is 0%

FIBROUS, NON-ASBESTOS MATERIAL PRESENT

ORGANIC FIBER	< 1%
MINERAL WOOL	35% - 40%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 60% - 65%
GLASS
CARBONATES
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B14

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B15

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: BUFF

Asbestos present is 0%

FIBROUS, NON-ASBESTOS MATERIAL PRESENT

ORGANIC FIBER	< 1%
MINERAL WOOL	25% - 30%
FIBERGLASS	5% - 10%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 60% - 65%
CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS
ADHESIVE

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

ASBESTOS ASSESSMENT FORM

BUILDING NAME: New Executive Office Building

BUILDING ADDRESS: 726 Jackson Place N.W.

BUILDING NUMBER: DC0105ZZ

LOCATION IN BUILDING: First basement, elevator lobbies & corridor to loading dock

DATE OF ASSESSMENT: 3/3/86 - 3/7/86

SQUARE FEET Approximately 1500

TOTAL OCCUPANTS ∠50

EPA SITE RANKING:
- __ RANK 1
- __ RANK 2
- X RANK 3
- __ RANK 4

The following represents the best judgment of the assessor at the time of the assessment.

1. CHECK BLOCK THAT BEST DESCRIBES SITUATION:

Type of Material
- __ Fireproofing/insulation
- X Acoustical plaster
- __ Other: _____

Friability
- __ Non-friable
- X Friable

Damage or Deterioration
- __ No damage or deterioration
- X Moderate damage or deterioration
- __ Severe damage or deterioration

Water Damage
- X No water damage
- __ Minor water damage
- __ Major water damage

Pipe or Boiler Insulation
- __ Not present
- X Present but not damaged
- __ Present and damaged

Exposed Surface Area
- __ Material not exposed
- X 18% or less exposed
- __ >18% exposed

Accessibility
- __ Not accessible
- __ Rarely accessible
- X Accessible

Activity and Movement
- __ None or low activity
- __ Moderate activity
- X High activity

Air Plenum
- __ No plenum or direct airstream
- X Plenum or direct airstream present

Type of material sampled:

Acoustical plaster

Sample Number	Result
NEOBDC-3-4-B43-45[illegible]	10-15% C

2. CHECK RECOMMENDATIONS FOR CORRECTIVE ACTION:

A. Abatement Actions

Type of Action
- X Removal
- X Encapsulation
- __ Enclosure
- __ Abatement not needed

When Recommended
- __ During planned alteration,
- X or
- __ Abatement action needed sooner

B. Precautionary Controls

Maintenance & Operation
- X Special maintenance
- X Special cleaning
- X Special alteration & demolition
- __ Controls not needed
- __ Other _____

Visual Inspection and Air Monitoring
- __ Monthly
- X Quarterly
- __ Annually

Comments

Assessor: Duggan/Miller

Title: Industrial Hygienist

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
1ST BASEMENT CEILING AT FREIGHT ELEVATOR AND ALONG LOADING DOCK

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B43

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: LIGHT BUFF

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 10 - 15%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 10 - 15%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
WOLLASTONITE 3% - 5%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 80% - 85%
CARBONATES
VARIOUS OTHER MATERIALS
FOAM
SILICATES

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B43

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B44

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: LIGHT BUFF

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 10 - 15%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 10 - 15%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
WOLLASTONITE < 1%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 85% - 90%
CARBONATES
SILICATES
VARIOUS OTHER MATERIALS
FOAM

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/04/86
Date Analyzed: 03/07/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B43

Number of Analysis = 51
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-04-B45

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: LIGHT BUFF

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 10 - 15%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 10 - 15%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%
WOLLASTONITE < 1%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 85% - 90%
CARBONATES
SILICATES
VARIOUS OTHER MATERIALS
FOAM

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

ASBESTOS ASSESSMENT FORM

BUILDING NAME: New Executive Office Building

BUILDING ADDRESS: 726 Jackson Place N.W.

BUILDING NUMBER: DC0105ZZ

LOCATION IN BUILDING: Ground Floor, Textured Ceiling

DATE OF ASSESSMENT: 3/6/86

SQUARE FEET: Approximately 1300

TOTAL OCCUPANTS: ∠ 100

EPA SITE RANKING:
- __ RANK 1
- __ RANK 2
- X RANK 3
- __ RANK 4

The following represents the best judgment of the assessor at the time of the assessment.

Type of material sampled: Plaster (2 Coats)

Sample Number	Result
NEOBDC-3-6-B16-18	10-15% C
-B19-21	NAD

1. CHECK BLOCK THAT BEST DESCRIBES SITUATION:

Type of Material
- __ Fireproofing/insulation
- X Acoustical plaster
- __ Other: _____

Water Damage
- X No water damage
- __ Minor water damage
- __ Major water damage

Accessibility
- __ Not accessible
- __ Rarely accessible
- X Accessible

Friability
- __ Non-friable
- X Friable

Pipe or Boiler Insulation
- X Not present
- __ Present but not damaged
- __ Present and damaged

Activity and Movement
- __ None or low activity
- __ Moderate activity
- X High activity

Damage or Deterioration
- __ No damage or deterioration
- X Moderate damage or deterioration
- __ Severe damage or deterioration

Exposed Surface Area
- __ Material not exposed
- __ 10% or less exposed
- X >10% exposed

Air Plenum
- __ No plenum or direct airstream
- X Plenum or direct airstream present

2. CHECK RECOMMENDATIONS FOR CORRECTIVE ACTION:

A. Abatement Actions

Type of Action
- X Removal
- X Encapsulation
- __ Enclosure
- __ Abatement not needed

When Recommended
- __ During planned alteration, or
- X Abatement action needed sooner

B. Precautionary Controls

Maintenance & Operation
- X Special maintenance
- X Special cleaning
- X Special alteration & demolition
- __ Controls not needed
- X Other Update as needed

Visual Inspection and Air Monitoring
- __ Monthly
- X Quarterly
- __ Annually

Comments

Samples B16-B18 white overcoat layer. Samples B19-21, brown undercoat.

Assessor: Duggan/Miller

Title: Industrial Hygienist

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/06/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
ON CEILING IN FREIGHT ELEV. LOBBY GROUND FLOOR (FINISH LAYER)

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-06-B16

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: YELLOW BUFF

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 10 - 15%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 10 - 15%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 85% - 90%
CARBONATES
FOAM
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/06/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B16

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-06-B17

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: YELLOW BUFF

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 10 - 15%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 10 - 15%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 85% - 90%
CARBONATES
FOAM
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/06/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B16

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-06-B18

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: YELLOW BUFF

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 5 - 10%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 5 - 10%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 90% - 95%
CARBONATES
FOAM
ADHESIVE
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: CB

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/06/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME LOCATION AS B16, ROUGH UNDER COAT

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-06-B19

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Friable
Color: BUFF

Asbestos present is 0%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 99% - 100%
CARBONATES
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/06/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B19

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-06-B20

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Friable
Color: BUFF

Asbestos present is 0%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 99% - 100%
CARBONATES
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/06/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B19

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-06-B21

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: BUFF

Asbestos present is 0%

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER < 1%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 99% - 100%
CARBONATES
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: DAH

Lab Supervisor

ASBESTOS ASSESSMENT FORM

BUILDING NAME: New Executive Office Building

BUILDING ADDRESS: 726 Jackson Place N.W.

BUILDING NUMBER: DC0105ZZ

LOCATION IN BUILDING: Fourth Floor, Elevator Lobbies

DATE OF ASSESSMENT: 3/7/86

SQUARE FEET Approximately 600

TOTAL OCCUPANTS <100

EPA SITE RANKING:
- __ RANK 1
- __ RANK 2
- X RANK 3
- __ RANK 4

The following represents the best judgment of the assessor at the time of the assessment.

1. CHECK BLOCK THAT BEST DESCRIBES SITUATION:

Type of Material
- __ Fireproofing/insulation
- X Acoustical plaster
- __ Other: _____

Friability
- __ Non-friable
- X Friable

Damage or Deterioration
- __ No damage or deterioration
- X Moderate damage or deterioration
- __ Severe damage or deterioration

Water Damage
- X No water damage
- __ Minor water damage
- __ Major water damage

Pipe or Boiler Insulation
- X Not present
- __ Present but not damaged
- __ Present and damaged

Exposed Surface Area
- __ Material not exposed
- __ 10% or less exposed
- X >10% exposed

Accessibility
- __ Not accessible
- __ Rarely accessible
- X Accessible

Activity and Movement
- __ None or low activity
- __ Moderate activity
- X High activity

Air Plenum
- __ No plenum or direct airstream
- X Plenum or direct airstream present

Type of material sampled:

Ceiling Plaster

Sample Number	Result
NEOBDC-3-7-B16	25-30% C
-B18	40-45% C & A
-B19	45-50% C

2. CHECK RECOMMENDATIONS FOR CORRECTIVE ACTION:

A. Abatement Actions

Type of Action
- X Removal
- X Encapsulation
- __ Enclosure
- __ Abatement not needed

When Recommended
- __ During planned alteration, or
- X Abatement action needed sooner

B. Precautionary Controls

Maintenance & Operation
- X Special maintenance
- X Special cleaning
- X Special alteration & demolition
- __ Controls not needed
- X Other Update as needed

Visual Inspection and Air Monitoring
- __ Monthly
- X Quarterly
- __ Annually

Comments

Assessor: Duggan/Miller

Title: Industrial Hygienist

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
TEXTURED PLASTER ON FREIGHT ELEV. LOBBY 4TH FLOOR

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-B16

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: LIGHT BUFF

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 25 - 30%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 25 - 30%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 1% - 5%
MINERAL WOOL 1% - 5%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 65% - 70%
CARBONATES
GLASS
FOAM
SILICATES
OPAQUES

Anthony W. Creamer OMC Analyst: DAH

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/86
Date Analyzed: 03/11/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
SAME AS B17

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-B18

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: BURR

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 45 - 50%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 45 - 50%
*Asbestos form

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 50% - 55%
CARBONATES
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: DAH

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/07/86
Date Analyzed: 03/10/86
Date Reported: 03/19/86
Phone: 395-3675

** LOCATION **
RM 5209 ELEC. CLOSET, ON CEILING, BEAMS, W/SPRAY ON

Number of Analysis = 36
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-07-B19

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: GRAY

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 30 - 35%
Chrysotile [$Mg_3 Si_2 O_5 (OH)_4$] 30 - 35%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 3% - 5%
MINERAL WOOL 25% - 30%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 75% - 80%
CARBONATES
VARIOUS OTHER MATERIALS
GLASS
SILICATES

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

ASBESTOS ASSESSMENT FORM

BUILDING NAME: New Executive Office Building

BUILDING ADDRESS: 726 Jackson Place N.W.

BUILDING NUMBER: DC0105ZZ

LOCATION IN BUILDING: Sub-basement, Mechanical Rm. SB214

DATE OF ASSESSMENT: 3/3/86

SQUARE FEET Approximately 1000

TOTAL OCCUPANTS <5

EPA SITE RANKING:
- __ RANK 1
- __ RANK 2
- __ RANK 3
- X RANK 4

The following represents the best judgment of the assessor at the time of the assessment.

1. CHECK BLOCK THAT BEST DESCRIBES SITUATION:

Type of Material
- X Fireproofing/insulation
- __ Acoustical plaster
- __ Other: _____

Friability
- __ Non-friable
- X Friable

Damage or Deterioration
- __ No damage or deterioration
- __ Moderate damage or deterioration
- X Severe damage or deterioration

Water Damage
- __ No water damage
- X Minor water damage
- __ Major water damage

Pipe or Boiler Insulation
- __ Not present
- __ Present but not damaged
- X Present and damaged

Exposed Surface Area
- __ Material not exposed
- __ 10% or less exposed
- X >10% exposed

Accessibility
- __ Not accessible
- __ Rarely accessible
- X Accessible

Activity and Movement
- X None or low activity
- __ Moderate activity
- __ High activity

Air Plenum
- X No plenum or direct airstream
- __ Plenum or direct airstream present

Type of material sampled:
Pipe Insulation

Sample Number	Result
See Sample Summary Sheet	

2. CHECK RECOMMENDATIONS FOR CORRECTIVE ACTION:

A. Abatement Actions

Type of Action
- X Removal
- X Encapsulation
- __ Enclosure
- __ Abatement not needed

When Recommended
- __ During planned alteration, or
- X Abatement action needed sooner

B. Precautionary Controls

Maintenance & Operation
- X Special maintenance
- X Special cleaning
- X Special alteration & demolition
- __ Controls not needed
- X Other Update as needed

Visual Inspection and Air Monitoring
- __ Monthly
- X Quarterly
- __ Annually

Comments

Room contains three hot water tanks & three house water tanks. ACM found in mud on steam line valve. Large amount of damage to steam pipe elbows.

Assessor: Duggan/Miller

Title: Industrial Hygienist

SAMPLE SUMMARY SHEET

SAMPLE NUMBER	DESCRIPTION	RESULT
NEOBDC-3-3-B52	HP Steam 40 PSI mud from valve 5V441	1-5% Amosite
NEOBDC-3-3-B53	Same as B52	3-5% Amosite
NEOBDC-3-3-B54	Same as B52	<1% Amosite
NEOBDC-3-3-B55	Left side of entrance HW pipe P-4-14 elbow mud	NAD
NEOBDC-3-3-B56	Same as B55	NAD
NEOBDC-3-3-B57	Same as B55	NAD
NEOBDC-3-3-B58	Mud on valve CWL-24, Surge Tank to P4-11	NAD
NEOBDC-3-3-B59	Same as B58	NAD
NEOBDC-3-3-B60	Same as B58	NAD

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/03/86
Date Analyzed: 03/04/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SUB. BASEMENT SB214 HP STEAM 40 PSI VALVE 5V441 EM

Number of Analysis = 71
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-03-B52

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: LT. BUFF

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 1 - 5%
Amosite [$(Fe,Mg)_7 Si_8 O_{22} (OH)_2$] 1 - 5%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 1% - 5%
MINERAL WOOL 40% - 45%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 45% - 50%
CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/03/86
Date Analyzed: 03/04/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B52

Number of Analysis = 71
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-03-B53

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: LIGHT BUFF

Asbestos present is greater than 1%

MICROSCOPIC ANALYSIS: Total Percent = 3 - 5%

Amosite	[$(Fe,Mg)_7 Si_8 O_{22} (OH)_2$]	3 - 5%

*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT

ORGANIC FIBER	1% - 3%
MINERAL WOOL	40% - 45%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 50% - 55%
CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/03/86
Date Analyzed: 03/04/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B52

Number of Analysis = 71
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-03-B54

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: LIGHT BUFF

Asbestos present is less than 1%

MICROSCOPIC ANALYSIS: Total Percent < 1%
Amosite [$(Fe,Mg)_7 Si_8 O_{22} (OH)_2$] < 1%
*Asbestos form

FIBROUS, NON-ASBESTOS MATERIAL PRESENT
ORGANIC FIBER 1% - 3%
MINERAL WOOL 45% - 50%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 50% - 55%
CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: EJK

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/03/86
Date Analyzed: 03/04/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SUB BASEMENT RM SB214 NW PIPE P-4-14 (LT. SIDE OF DOOR) EM

Number of Analysis = 71
Job I.D.: NEOEDC01
Lab I.D.: NEOEDC01-03-03-B55

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: LT. GRAY

Asbestos present is 0%

FIBROUS, NON-ASBESTOS MATERIAL PRESENT

ORGANIC FIBER	< 1%
MINERAL WOOL	40% - 45%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 55% - 60%
CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: AWC

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/03/86
Date Analyzed: 03/04/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B55

Number of Analysis = 71
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-03-B56

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: BUFF

Asbestos present is 0%

FIBROUS, NON-ASBESTOS MATERIAL PRESENT

ORGANIC FIBER	1% - 3%
MINERAL WOOL	45% - 50%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 50% - 55%
CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer OMC Analyst: DAH

Lab Supervisor

OCCUPATIONAL MEDICAL CENTER
LABORATORY
Polarized Light Microscopy Analysis

Customer: NEW EXECUTIVE OFFICE BLDG
Address: 726 JACKSON PL. N.W.
WASHINGTON DC
Contact: JETER MORRIS

Date Received: 03/03/86
Date Analyzed: 03/04/86
Date Reported: 03/18/86
Phone: 395-3675

** LOCATION **
SAME AS B55

Number of Analysis = 71
Job I.D.: NEOBDC01
Lab I.D.: NEOBDC01-03-03-B57

GROSS SAMPLE APPEARANCE:
The sample is Homogeneous Fibrous Friable
Color: BUFF

Asbestos present is 0%

FIBROUS, NON-ASBESTOS MATERIAL PRESENT

ORGANIC FIBER	1% - 3%
MINERAL WOOL	45% - 50%

THERE IS NON-FIBROUS MATERIAL PRESENT Total Percent: 50% - 55%
CARBONATES
GLASS
SILICATES
VARIOUS OTHER MATERIALS

Anthony W. Creamer
Lab Supervisor

OMC Analyst: DAH