2. H.E.P.A. Ventilation Units

   a. Number of units 12

   b. Type Euro-Clean

   c. Operating ✓ Yes ___ No

   d. H.E.P.A. filters present ✓ Yes ___ No

   e. Exhausted out of work area ✓ Yes ___ No

   f. Machine working hours 1850

   g. Most recent date of H.E.P.A. filter change 7/15/94

   h. Negative pressure inside work area:

Measurements	Inches H2O	Location
1		
2		
3		

3. Water hoses present ✓ Yes ___ No

4. Airless sprayers present ✓ Yes ___ No

5. Surfactant present ✓ Yes ___ No

6. Type of encapsulant to be used EPA-737

7. Any other equipment to be used N/A

Comments:

F. Worker Protection

1. Respiratory Protection

   a. Type of respirators to be used Half face, North & MSA

   b. Are respirators NIOSH/MSHA approved? ✓ Yes ___ No

2. Employee training within past 12 months? ✓ Yes ___ No

3. Medical Exam within past 12 months? ✓ Yes ___ No

4. If jurisdiction requires licensing, do all workers have proper identification to perform asbestos removal? ✓ Yes ___ No

5. Disposable Protective Clothing

✓ Full body coveralls
___ Hard hats
✓ Head covers
___ Eye protection
✓ Foot covers
✓ Gloves
___ Ear protection
___ Knee protection
___ Rubber boots

6. First aid kit on site? ✓ Yes ___ No

7. Adequate lighting? ✓ Yes ___ No

Comments:

G. Verification of Waste Disposal Site ✓ Yes ___ No

Name and Location: Maryland

H. Authorization to Proceed

Date: Aug. 19, 1994 Time: 0445

Inspector: Carl A. Butler Title: Industrial Hygienist

Signature: Carl A. Butler

Authorization given to: Ronald Tuhongbana

Witness(es): ___

Page # 1

LOG SHEET

Date: 8-20-94

Project Number: 6486-012

Industrial Hygienist: B Hemler

Abatement Contractor/Supervisor: Retro / Reeves

Time	Remarks
0700	On site, set pumps neg pressure -0.020" all fine
	sprinkler and elev work continues
0810	Barrier inspection, neg pressure -0.012 → 0.016 barrier
	one bit 4 traps were inadvertently turned off turned on
	pressure -0.024" all trades continue all else fine
0910	Automatic on break neg pressure -0.020 all fine
1000	Retro begin taking lights out of barrier all fine -0.020
1100	Continue removing lights from barrier all fine -0.020
1145	Collected first set of pumps for analysis
1200	Set up second set of pumps, automatic starts filling system
	for pressure test
1215	Union ready for light inspection pressure down to -0.016
	went into barrier 2 traps had corks knocked out. fixed
	pressure -0.024" Pressure test running
1300	pressure -0.024" meeting all fine test continues
1400	Pass pressure test Gravity arrives to start replacing tile
1500	Tile replacement continues neg pressure -0.024
1600	Work continues all fine
1645	Pressure temporarily low while removing contrl so as install
	border of ceiling tiles -0.008"
1700	work continues all fine
1800	Ceiling almost done all fine pressure still low -0.012"
	all traps running
1900	End of shift

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486012

Location: 3rd Floor Date: 8/20/94

Removal Contractor: Retro Time Started: 0700

Monitoring Contractor: TRACOR Time Stopped: 1900

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"		✓
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 Matarial Promptly Bagged.	N/A	
	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."

Traps were being accidentally turned off. Had to take down part of enclosure to put in rest of ceiling

Report Prepared By: [signature] Date: 8/20/94

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486-012

Location: 3RD Floor - WEST Side Date: 8/20 & 8/21/94

Removal Contractor: RETRO Time Started: 1900 - 8/20

Monitoring Contractor: TRACOR Time Stopped: _____

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	N/A	
	d. Seals around ducts, windows and doors	yes	
	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 ✓	
		PAPR ___	
		TYP "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. No Eating/Drinking	yes	

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

No Problems Encountered

Report Prepared By: [signature] Date: 8/20/94

Page # 1

LOG SHEET

Date: August 20TH & 21ST

Project Number: 6436-012

Industrial Hygienist: M. Brower

Abatement Contractor/Supervisor: Retro / Ronald

Time	Remarks
1900 -	Brower on Site - Ceiling tile is Completed
	along with all other Trade Work. Waiting for
	Retro Crew to get in Probably Not until
	2100 Hrs
2000 -	No Working Taking Place at this Time.
2100 -	Retro Crew on Site - Enter Containment
	to Do Cleaning & Fine Cleaning
2200 -	Retro Continues to Clean
2300 -	Retro Completed Cleaning - I Entered
	Containment at approx 2245 Hrs For Final
	Visual - Everything look Good & Workers
	Encapsulate Area
MJB 2240 -	Final Air Samples Running
0140 -	Final Air Samples off
0200 -	I Give Retro O.K. to Tear Down
0230 -	Brower off Site

MJB 6/21/04

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:	13	14	15	16	
Location:					
Volume (Liters):	1200	1200	1200	1200	
Flow rate: (Liters/Minute)	10.0	10.0	10.0	10.0	
Fibers/Filter:	1	5	3	2.5	
Fibers/Cubic Cm:	≤.004	≤.004	≤.004	≤.004	

ANALYST ANALYZING SAMPLES: [signature] DATE: 08/21/94

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

Report Prepared By: [signature] Date: 08/21/94

REPORT REVIEWED BY: DATE:

DRAGON TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
648601201	213294	1	10/06/94	INS	< 0.005
648601201	213394	2	10/06/94	OUT	< 0.005
648601201	213494	3	10/06/94	OUT	< 0.005
648601201	213594	4	10/06/94	OUT	< 0.005
648601201	213694	5	10/06/94	OUT	< 0.005
648601201	213794	6	10/06/94	OUT	< 0.005
648601201	213894	7	10/06/94	FIN	< 0.004
648601201	213994	8	10/06/94	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 D. MILLS
LABORATORY MANAGER

Tracor Technology Resources — Air Sample Sheet

Project # 6936-012

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	213294	01		2.5	2.5	2.5	1940	0250	430	1075	5.5	100	—	5.5	<0.005
A	Notes: INSIDE CONTAINED AREA														
B	213394	02		2.5	2.5	2.5	1940	0250	430	1075	1.5	100	—	1.5	<0.005
B	Notes: AT DECON														
C	213494	03		2.5	2.5	2.5	1940	0250	430	1075	0.5	100	—	0.5	<0.005
C	Notes: AT STAIRWELL #2 ON 2ND FLOOR														
D	213594	04		2.5	2.5	2.5	1940	0250	430	1075	4.5	100	—	4.5	<0.005
D	Notes: CAFETERIA														

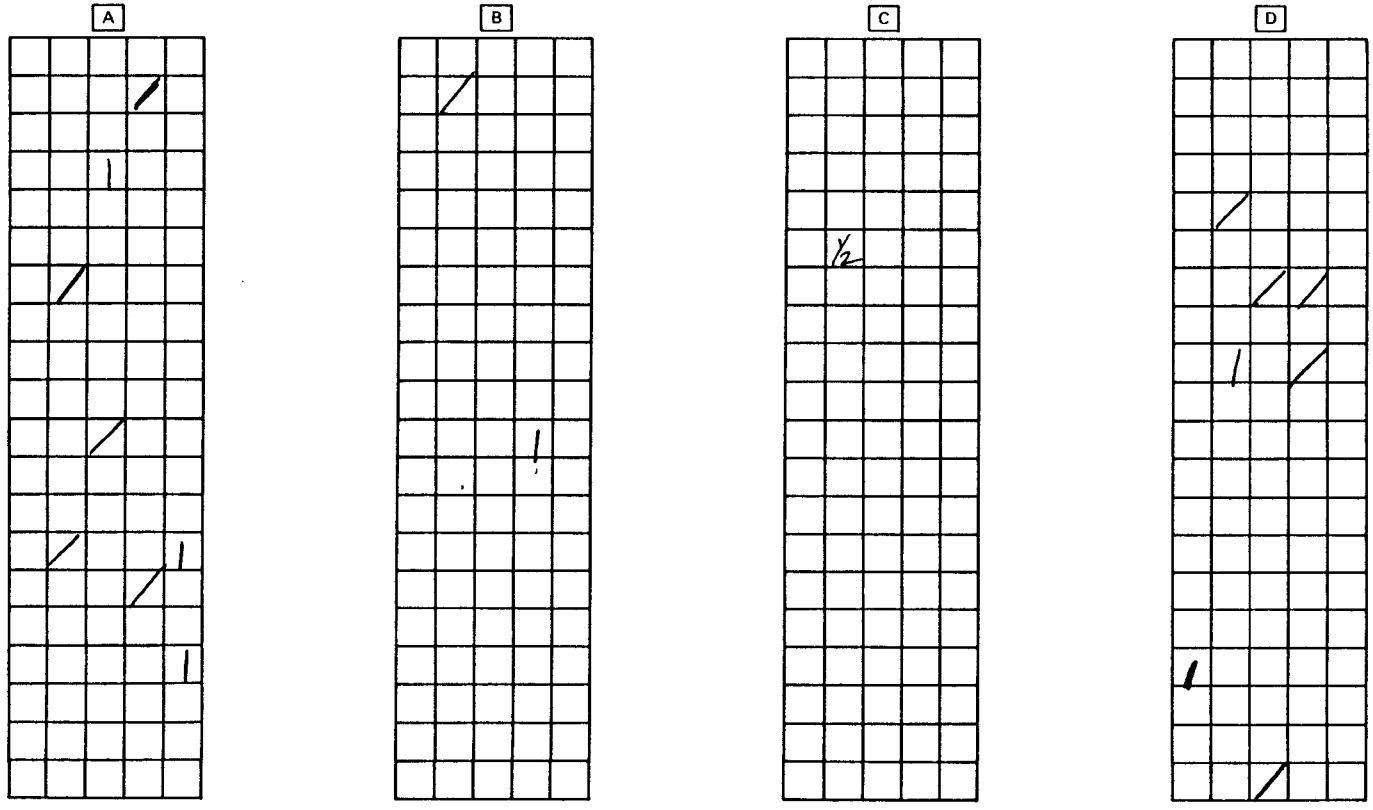
Field Area: (Check One)
- ☒ .00785
- ☐ .00754
- ☐ .00724
- ☐ .00801
- ☐ .00817

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. — 10/06/94 DATE

DUNN — ANALYST — 10/07/94 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	213694	05		2.5	2.5	2.5	1940	0250	430	1075	1	100	—	1	<0.005
A	Notes: CAFTERIA														
B	213794	06		2.5	2.5	2.5	1940	0250	430	1075	4.5	100	—	4.5	<0.005
B	Notes: CAFFTERIA														
C	213894	07		10	10	10	0230	0430	120	1200	2.5	100	—	2.5	<0.01
C	Notes: FINAL: CONTAINMENT														
D	219394	08		10	10	10	0230	0430	120	1200	1	100	—	1.	<0.01
D	Notes: FINAL: INSIDE CONTAINMENT														

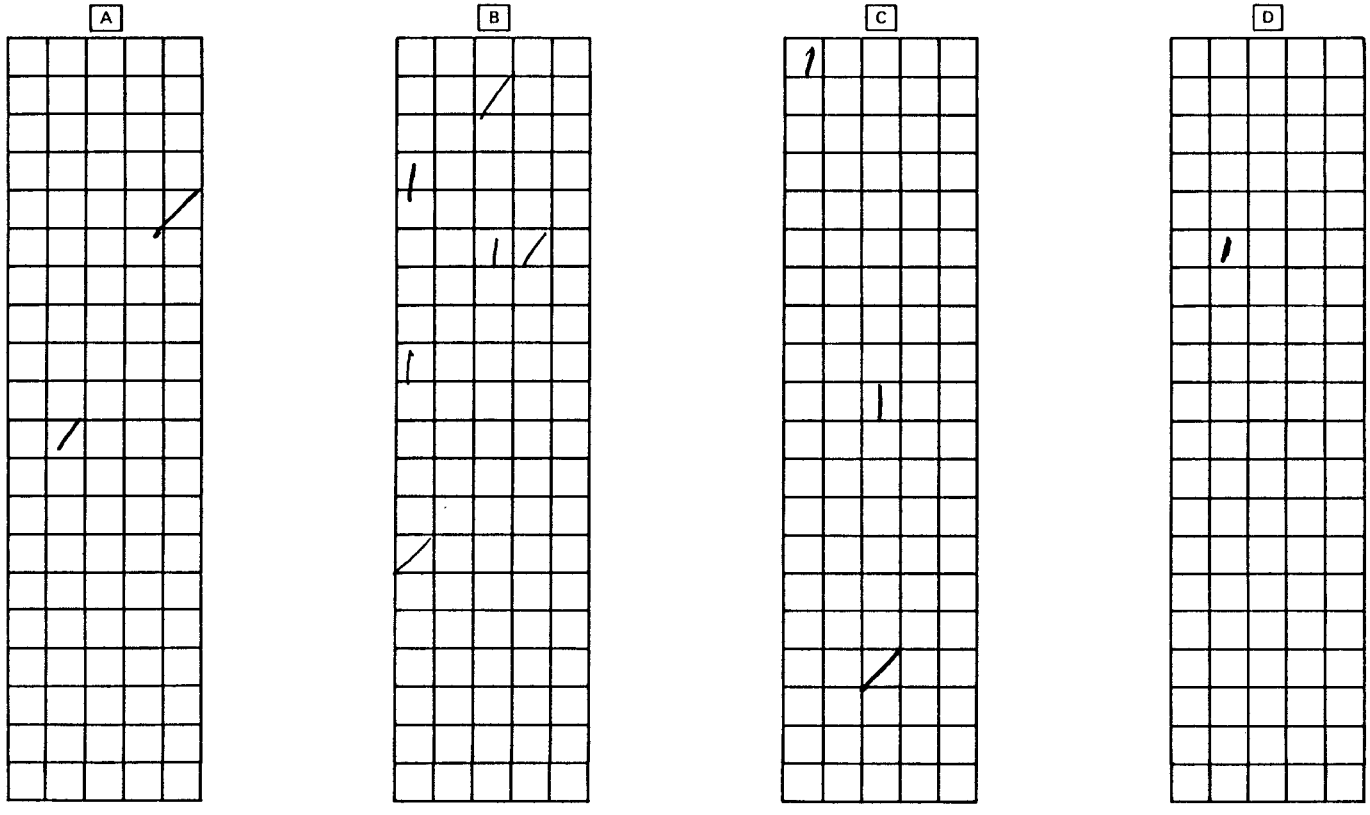
Field Area: (Check One) ☑ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



SCOTT DUNN — FIELD TECH. — 10/06/94 — DATE

DUNN — ANALYST — 10/06/94 — DATE

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Exec. Office Bldg Project: Sprinkler Installation

Location: 2ND Floor - Cafeteria Date: 10/06/94

Removal Contractor: RETRO Time Started: 1900

Monitoring Contractor: Tratco 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~~" > 0.02	✓	
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.	✓	
	ved Material ptly Bagged.	N/A	
	ls Stored in ral area.	N/A	

NEOB

~~Daytime~~ Nightwork during week

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: Scott Dunn Date: 10/06/94

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Exec. Office Bldg Project: Sprinkler Installation

Location: 2ND Floor Cafeteria Data: 10/06/94

Removal Contractor: RETRO Time Inspected: 0215

Monitoring Contractor: Tranco Time Completed: 0220

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	✓	
	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:					
Location:	Inside Work Area				
Volume (Liters):	1200	1200			
Flow rate: (Liters/Minute)	10	10			
Fibers/Filter:					
Fibers/Cubic Cm:					

ANALYST ANALYZING SAMPLES: _____ DATE: _____

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: 10/07/94

REPORT REVIEWED BY: — DATE: _____

LOG SHEET

Date:	6 October 1994
Project Number:	6486-012
Industrial Hygienist:	Scott Dunn
Contractor/Supervisor:	Retro Environmental/Ronald Tub.

Time	Remarks
18:50	Tracor arrives on job site. No workers or pipe fitters on site.
19:00	TTR checked in with Secret Service. A couple of Retro Environmental workers arrive on site as well as some of Automatic Sprinkler men.
20:00	Automatic begins setting up. The containment is recycled every night. The containment has already been constructed. Bags have been taped to the ceiling where the sprinkler heads will be installed. There are 35 plus return registers in the cafeteria which have not be covered with plastic sheeting the past three nights. It is not necessary to seal these with plastic for two reasons: 1) the registers are not covered under normal operating conditions and 2) if debris from the spray-on deck were to fall it would be captured by the grille of the register.
21:00	Pipe fitters above plaster ceiling to begin installation of sprinklers and associated piping. No unusual occurrences observed.
22:00	Pipe fitters continue with work. There are three workers above the ceiling and one down below.
23:00	Retro workers not on site, but inside the building. Pipe fitters come out of work area for a break.
23:45	Herb Pankey from the White House Field Office indicated that the GSA Safety Office pointed out to his group that final air samples could be collected while the pipe fitters work. A visual will be performed after final air samples have been collected. Pipefitters still on lunch break.
24:00	Pipefitters suit up to re-enter the area above the plaster ceiling. Two sprinkler heads have been installed.
24:55	Concrete debris has fallen through the kitchen ceiling by pipefitters breaking through a wall to run one of their water lines. There is no asbestos above the ceiling in the kitchen. Retro immediately vacuums area. Sprinkler installation continues.
02:00	Automatic Sprinkler comes out of the work area. Retro gets ready to clean up area for the visual inspection and final air samples.
02:15	Final Visual Inspection conducted by TTR. Area passes and Retro crew begins encapsulation.
02:30	Final Air Samples set up and will be collected at 04:30.
04:30	Final Air Samples collected. The two samples are prepped for analysis.
05:00	Final air samples analyzed and meet established criteria of <0.01 f/cc. TTR leaves job site.

TRACOR TECHNOLOGY RESOURCES, INC.
FREDERICK, MARYLAND 21850

10/13/94

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
648601201	211494	1	10/11/94	OUT	< 0.005
648601201	211594	2	10/11/94	OUT	< 0.005
648601201	211694	3	10/11/94	OUT	< 0.005
648601201	211794	4	10/11/94	OUT	< 0.005
648601201	211894	5	10/11/94	INS	< 0.005
648601201	211994	6	10/11/94	FIN	0.010
648601201	212094	7	10/11/94	FIN	0.009
648601201	212194	8	10/11/94	BLA	BLANK= 0.00
648601201	212294	9	10/11/94		< 0.004
648601201	212394	10	10/11/94	FIN	< 0.004
648601201	212494	11	10/12/94	OUT	< 0.004
648601201	212594	12	10/12/94	OUT	< 0.004
648601201	212694	13	10/12/94	OUT	< 0.004
648601201	212794	14	10/12/94	OUT	< 0.004
648601201	212894	15	10/12/94	INS	< 0.004
648601201	212994	16	10/12/94	FIN	< 0.004
648601201	213094	17	10/12/94	FIN	< 0.004
648601201	213194	18	10/12/94	BLA	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 E. EDWARDS
LABORATORY MANAGER

Tracor Technology Resources — **Air Sample Sheet**

Project # 6 4 8 6 0 1 2 0 1

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre (Liters/Min)	Post	Mean	Time (Military) On	Off	Total (Min)	Volume	Count Data Total Count	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	211494	81	4927	2.5	2.5	2.5	2010	0220	370	925	2	100	8	0.02	<0.002
A	Notes: Area Sample: NEOB, #2nd Floor, Outside containment, In hallway beside room #2010.														
B	211594	82	4936	2.5	2.5	2.5	2012	0220	368	920	3	100	8	0.03	<0.002
B	Notes: Area Sample: NEOB, #2nd Floor, Outside containment, In hallway, at decon entrance.														
C	211694	83	5102	2.5	2.5	2.5	2015	0222	367	918	4	100	8	0.04	0.002
C	Notes: Area Sample: NEOB, #2nd Floor, Outside containment, In hallway, at stairwell #3 entrance.														
D	211794	84	5105	2.5	2.5	2.5	2018	0225	367	918	2	100	8	0.02	<0.002
D	Notes: Area Sample: NEOB, #2nd Floor, Outside containment, In hallway, beside room # 2028.														

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	
.5				
1				

B

1				
		.5	.5	
	1			

C

		.5		
		1		
		.5		
.5	1			
		.5		

D

			1	
	1			

Carl A. Sutter 10/11/94
FIELD TECH. DATE

Carl A. Sutter 10/11/94
ANALYST DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 6 4 8 6 0 1 2 0 1

1601 Research Boulevard
Rockville, Maryland 20850

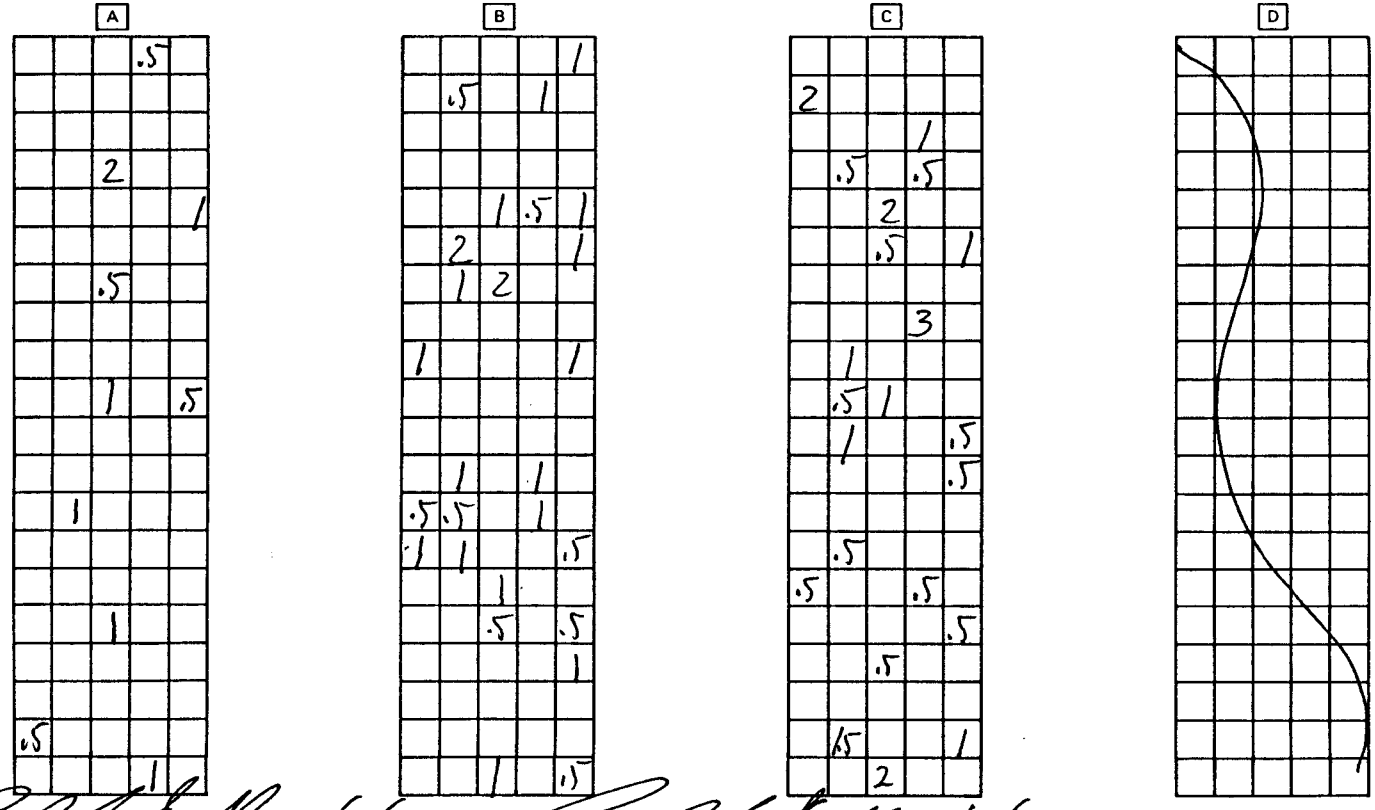
	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	211894	85	3936	2.5	2.5	2.5	2025	0225	360	900	9	100	8	0.09	0.005
A	Notes: Area Sample: NEOB, #2nd floor, Inside containment, In hallway, across from rm. 2010.														
B	211894	86	0088	10.0	10.0	10.0	0230	0430	120	1200	24	100	8	0.24	0.0098
B	Notes: Final Sample: NEOB, #2nd floor, Inside containment, In hallway, across from rm #2010.														
C	211894	87	0072	10.0	10.0	10.0	0230	0430	120	1200	22	100	8	0.22	0.009
C	Notes: Final Sample: NEOB, #2nd floor, Inside containment, In hallway, across from rm #2010.														
D	212094	88									8	100	8	—	8
D	Notes: Blank Sample!														

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 = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right) - \text{Blank Count}$ Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



FIELD TECH. — DATE 10/11/94

ANALYST — DATE 10/11/94

Tracor Technology Resources — **Air Sample Sheet**

Project # 6,4,8,6,0,1,2,0,1

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	212294	09	0068	10.0	10.0	10.0	0445	0645	120	1200	3	100	8	0.03	<0.002
A	Notes: Final Sample: NEOB, #2nd floor, Inside containment, In hallway, across from rm. 2010.														
B	212394	10	0072	10.0	10.0	10.0	0445	0645	120	1200	4	100	8	0.04	<0.002
B	Notes: Final Sample: NEOB, #2nd floor, Inside containment, In hallway, across from rm. 2010														
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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A

			1	
	.5			
1				
		.5		

B

				.5
1				
.5				
			1	
	1			

C

D

Carl A. Sutter 10/11/94
FIELD TECH. DATE

Carl A. Sutter 10/11/94
ANALYST DATE

Tracor Technology Resources | **Air Sample Sheet**

Project # 6,4,8,6,0,1,2,0,1,

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	Count Data: Fibers Per cc
A	212494	11	4927	2.5	2.5	2.5	1920	0330	490	1225	3	100	Ø	0.03	<0.002
A	Notes: Area Sample: NEOB, #2nd Floor, Outside containment, In hallway beside room # 2010.														
B	212594	12	4936	2.5	2.5	2.5	1922	0330	498	1245	4	100	Ø	0.04	<0.002
B	Notes: Area Sample: NEOB, #2nd Floor, Outside containment, In hallway at decon entrance.														
C	212694	13	5102	2.5	2.5	2.5	1925	0333	488	1220	3	100	Ø	0.03	<0.002
C	Notes: Area Sample: NEOB, #2nd Floor, Outside containment, In hallway at stairwell #3 entrance.														
D	212794	14	5105	2.5	2.5	2.5	1927	0333	486	1215	2	100	Ø	0.02	<0.002
D	Notes: Area Sample: NEOB, #2nd Floor, Outside containment, In hallway beside room # 2020.														

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		
.15				
			1	

B

				1
		.5		
1				
.15				
		1		

C

				1
1				
			1	

D

		1		
		1		

Carl A. Sutter 10/12/94
FIELD TECH. DATE

Carl A. Sutter 10/12/94
ANALYST DATE

Tracor Technology Resources | **Air Sample Sheet**

Project # 6 4 8 6 0 1 2 0 1 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	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	212894	15	3936	2.5	2.5	2.5	1930	0332	482	1205	6	100	Ø	0.06	0.002
A	Notes: Area Sample NEOB, #2nd Floor, Inside containment, In hallway, across from rm #2010														
B	212894	16	0068	18.0	18.0	18.0	0338	0538	120	1200	1	100	Ø	0.01	<0.002
B	Notes: Final Sample: NEOB, #2nd Floor, Inside containment, In hallway.														
C	213094	17	0072	18.0	18.0	18.0	0338	0538	120	1200	3	100	Ø	0.03	<0.002
C	Notes: Final Sample: NEOB, #2nd Floor, Inside containment, In hallway														
D	213094										Ø	100	Ø	–	Ø
D	Notes: Blank Sample:														

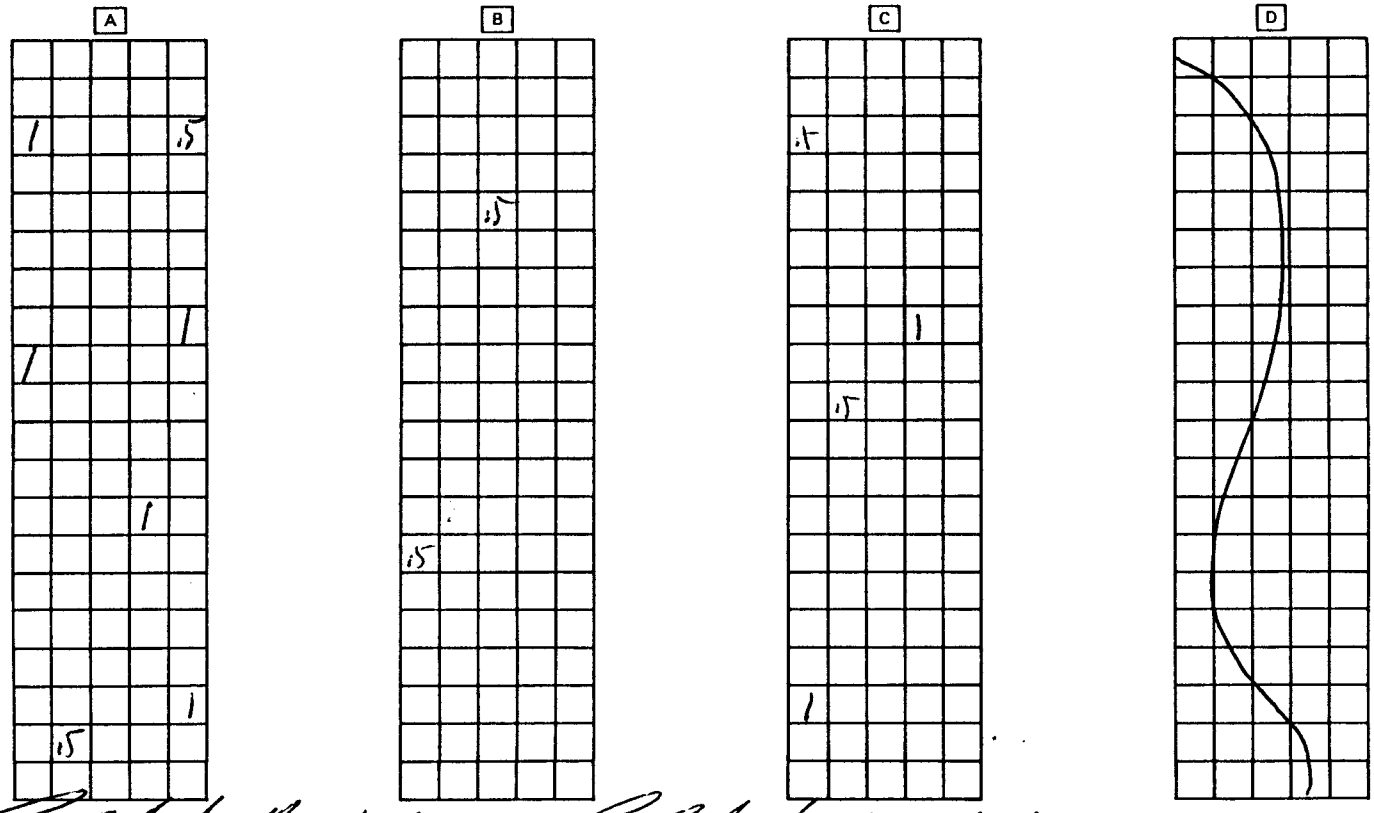
Field Area: (Check One)
- ☒ .00785
- ☐ .00754
- ☐ .00724
- ☐ .00801
- ☐ .00817

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 = $\frac{\text{(Net Count/100) x Filter Area}}{\text{Field Area x Volume x 1000}}$



FIELD TECH. 10/12/94 DATE

ANALYST 10/12/94 DATE

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building Project: _____

Location: #725 #17th St. NW. Wash. DC. Date: Oct. 14, 1994

Removal Contractor: Retro Environmental Time Inspected: 1900

Monitoring Contractor: Tracor Time Work Started: 0700

Inspection Category	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	yes	
	d. Vertical and Horizontal Openings	yes	
	e. "Microtrap" in use	yes	
	f. Negative pressure > .02"	yes	
2. Signage	a. Caution Signs at vestibule entry.	yes	
	b. OSHA SIGN (ASBESTOS)	yes	
	c. Dumpster, ducts, drums, and bags labelled	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:	16	17			
Location:	#2nd floor	Hallway, across	from	rm. #2010	
Volume (Liters):	1200	1200			
Flow rate: (Liters/Minute)	10.0	10.0			
Fibers/Filter:	1	3			
Fibers/Cubic Cm:	<0.002	<0.002			

ANALYST ANALYZING SAMPLES: Carl A. Butler DATE: Oct. 12, 1994

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

Report Prepared By: Carl A. Butler Date: Oct. 12, 1994

REPORT REVIEWED BY: _____ DATE: _____

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: _____

Location: #725 #17th St. NW Wash. DC. Date: October 11 1994

Removal Contractor: Retro Environmental Time Started: 1900

Monitoring Contractor: Tracor Time Stopped: 0700

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	N/A	
	d. Seals around ducts, windows and doors	N/A	
	e. "Negative air machine" in use	Yes	
	f. Negative pressure > .03"	Yes	
2. Signage	a. Caution Signs at vestibule entry.	Yes	
	b. OSHA SIGN (ASBESTOS)	Yes	
	c. Dumpster, ducts, drums, and bags labelled	Yes	
3. Work Practices	a. Hammers, saws, etc. NOT in use.	N/A	
	b. Removed Material Promptly Bagged.	Yes	
	c. Debris Stored in removal area.	No 1.)	

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 A half face PAPR ____ TYP "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. No Eating/Drinking	YES	

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

1.) All ACM waste were removed off site by Retro.

Report Prepared By: [signature] Date: Oct. 12, 1994

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building Project: _____

Location: #725 #17th St. NW. Wash. DC. Date: Oct. 11, 1994

Removal Contractor: Retro Environmental Time Inspected: 0210 / 0430

Monitoring Contractor: Tracor Time Completed: 0215 / 0435

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 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.	Yes	
4. Worker Protection	a. Disposable Clothing Used One Time.	Yes	
	b. Proper NIOSH respirators.	Disp ___ HEPA A half face PAPR ___ TYP"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. No Eating/Drinking	Yes	

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: Paul A. Sutter Date: Oct. 12, 1994

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building Project: _____

Location: #725 #17th St. NW. Wash DC. Date: Oct. 12, 1994

Removal Contractor: Retro Environmental Time Inspected: 1900

Monitoring Contractor: Tracor Time Work Started: 0600

Inspection Category	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	yes	
	d. Vertical and Horizontal Openings	yes	
	e. "Microtrap" in use	yes	
	f. Negative pressure > .02"	yes	
2. Signage	a. Caution Signs at vestibule entry.	yes	
	b. OSHA SIGN (ASBESTOS)	yes	
	c. Dumpster, ducts, drums, and bags labelled	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:	6	7	9	10	
Location:	#2nd floor	Hallway,	across	from	rm. #2010.
Volume (Liters):	1200	1200	1200	1200	
Flow rate: (Liters/Minute)	10.0	10.0	10.0	10.0	
Fibers/Filter:	24	22	3	4	
Fibers/Cubic Cm:	0.0098	0.0089	<0.002	<0.002	

ANALYST ANALYZING SAMPLES: Carl A. Butler DATE: Oct. 11, 1994

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

Note: 1st set of final air samples were at/above 0.01f/cc a 2nd set were collected.

Report Prepared By: Carl A. Butler Date: Oct. 11, 1994

REPORT REVIEWED BY: _____ DATE: _____

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: _____

Location: #725 #17th St. NW. Wash DC. Date: October 12, 1994

Removal Contractor: Retro Environmental Time Started: 1900

Monitoring Contractor: Tracor Time Stopped: 0600

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	N/A	
	d. Seals around ducts, windows and doors	N/A	
	e. "Negative air machine" in use	yes	
	f. Negative pressure > .03"	yes	
2. Signage	a. Caution Signs at vestibule entry.	yes	
	b. OSHA SIGN (ASBESTOS)	yes	
	c. Dumpster, ducts, drums, and bags labelled	yes	
3. Work Practices	a. Hammers, saws, etc. NOT in use.	N/A	
	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 A half face PAPR ____ TYP "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. No Eating/Drinking	yes	

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

1.) All ACM waste were removed off site by Retro.

Report Prepared By: Carol A. Sutts Date: Oct. 11, 1994

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building Project: _____

Location: #725 #17th St. NW Wash. DC. Date: Oct. 12, 1994

Removal Contractor: Retro Environmental Time Inspected: 0305

Monitoring Contractor: Tracer Time Completed: 0315

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 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.	yes	
4. Worker Protection			
	a. Disposable Clothing Used One Time.	yes	
	b. Proper NIOSH respirators.	Disp ___ HEPA A half face PAPR ___ TYP"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. No Eating/Drinking	yes	

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: Oct. 11, 1994

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	FLOC
648601201	226294	1	10/15/94	OUT	< 0.003
648601201	226394	2	10/15/94	OUT	< 0.003
648601201	226494	3	10/15/94	OUT	< 0.003
648601201	226594	4	10/15/94	INS	0.179
648601201	226694	5	10/15/94	OUT	< 0.003
648601201	226794	6	10/15/94	OUT	0.009
648601201	226894	7	10/15/94	OUT	0.004
648601201	226994	8	10/15/94	OUT	< 0.003
648601201	227094	9	10/15/94	OUT	< 0.003
648601201	227194	10	10/15/94	OUT	0.004
648601201	227294	11	10/15/94	INS	OVERLOADED
648601201	227394	12	10/15/94	FIN	< 0.004
648601201	227494	13	10/15/94	FIN	< 0.004
648601201	227594	14	10/15/94	FIN	< 0.004
648601201	227694	15	10/15/94	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 D. EDWARDS
LABORATORY MANAGER

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	227094	09	7621	5.0	5.0	5.0	1935	0239	364	1820	2.5	100	—	2.5	<0.01
A	Notes: AT MICROTRAP EXHAUST														
B	227194	10	1119	5.0	5.0	5.0	1938	0238	360	1800	13	100	—	13	<0.01
B	Notes: AT DECON ENTRANCE/EXIT														
C	227294	11	0491	5.0	5.0	5.0	1940	0237	353	1765	OVL		—		OVL
C	Notes: INSIDE CONTAINMENT — Kitchen (2nd Floor)														
D	227394	12		10	10	10	0350	0550	120	1200	0.5	100	—	0.5	<0.01
D	Notes: FINAL: INSIDE CONTAINMENT (Kitchen on 2nd Floor)														

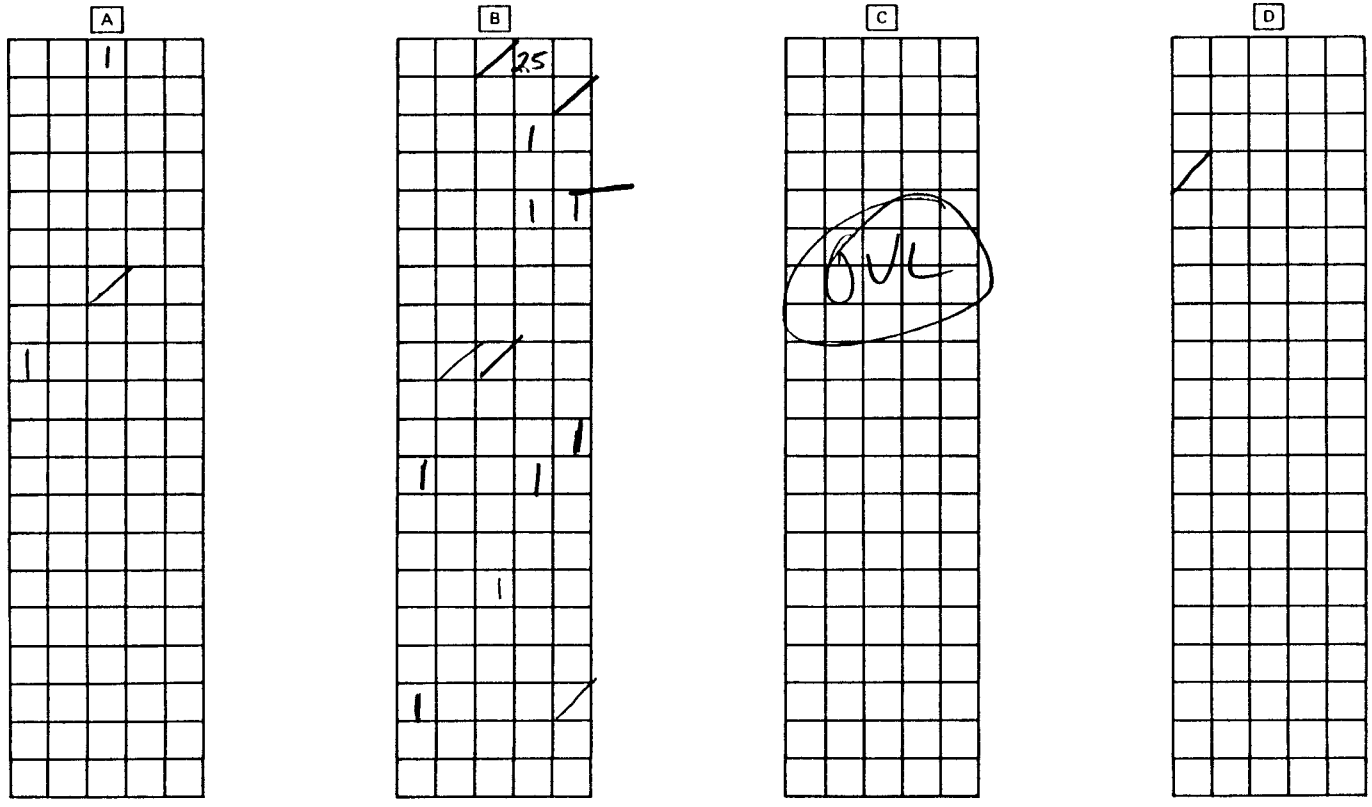
Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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. — 10/15/94 DATE

Dunn — ANALYST — 10/16/94 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	227494	13		10	10	10	0350	0550	120	1200	2	100	—	2	<0.01
A	Notes: FINAL: KITCHEN														
B	227594	14		10	10	10	0350	0550	120	1200	4.5	100	—	4.5	<0.01
B	Notes: FINAL: KITCHEN														
C	227694	15		10	10	10	0350	0550	120	1200	3.5	100	—	3.5	<0.01
C	Notes: FINAL: KITCHEN														
D															
D	Notes:														

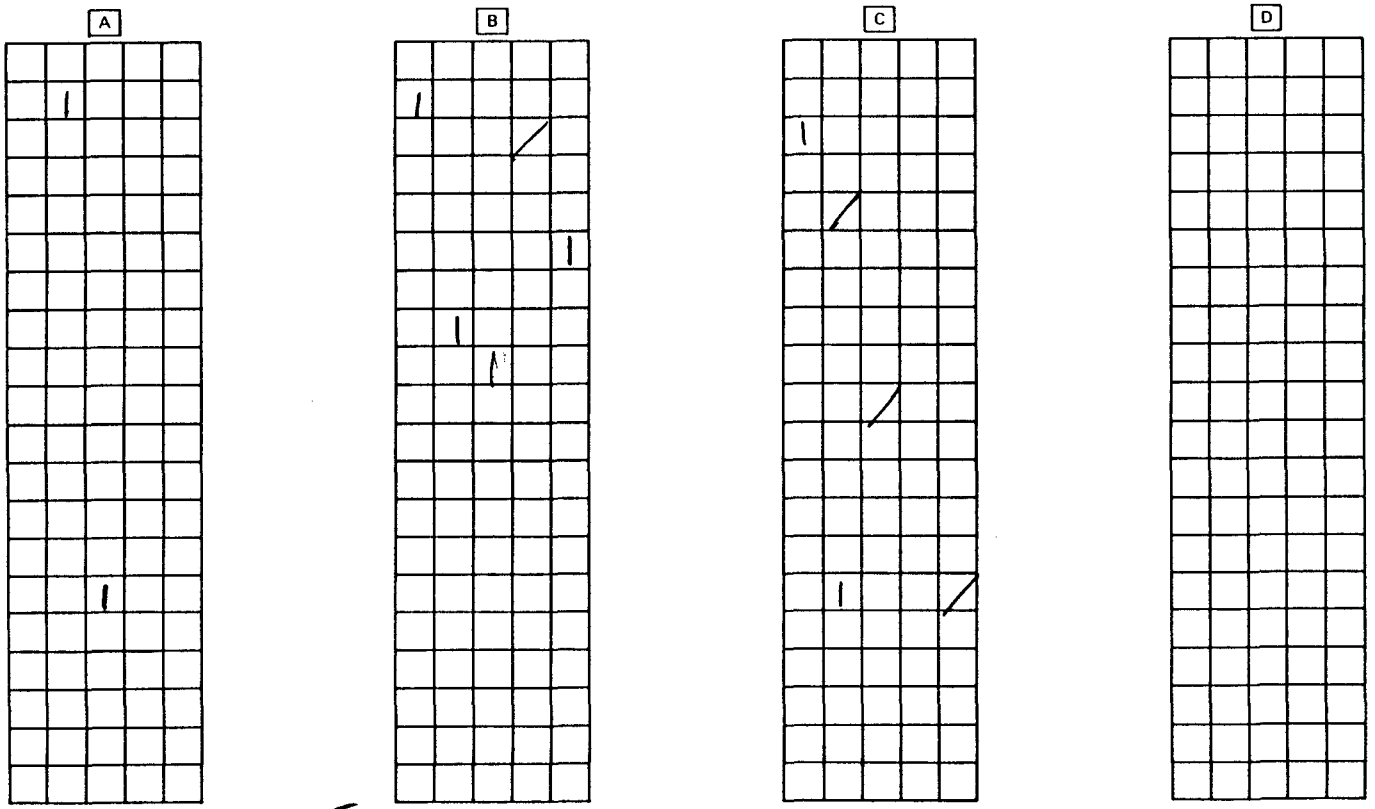
Field Area (Check One): ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



SCOTT DUNN — FIELD TECH. — 10/15/94 DATE

DUNN — ANALYST — 10/16/94 DATE

Exhibit ~~A~~ B

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NFCB

Project: 6486-012

Location: Kitchen

Date: 10/14/94 - 10/15/94

Removal Contractor: Retro

Time Inspected: 0400

Monitoring Contractor: Tracor

Time Work Started: 0430

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. "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	✓	

NEO =

Kitchen paperwork

10/14-10/15 Chris 1900-0730

10/15- mike [illegible] 0600

10/16 0700-1900 Cary

10/16-10/16 1900-0730 [illegible]

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: 10/15

C 1 A. Inspection

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: 10 EOB Project: Sprinklers

Location: 2nd Floor Date: 10-15-94

Removal Contractor: Petro Time Inspected: 0600

Monitoring Contractor: Tracor 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. "Microtrap" in use	✓	
	f. Negative pressure > .02"	0.00 - 0.004 working on plenum seals	
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."

Prob. encountered establishing + maintaining 0.07" pressure in containment when ceiling was removed. Notified GSA

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: [signature] Date: 10-14-94.

Page # 1

LOG SHEET

Date: 14 Oct 92

Project Number: C004-012

Industrial Hygienist: Chris Charuhas

Abatement Contractor/Supervisor: Rodro/Ron

Time	Remarks
1900	Arrived on Site
1930	Containment begins being constructed
0400	Containment inspected - passed
0420	Pumps placed
0430	Work begins
0730	Charuhas leaves

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 648 6012

Location: Kitchen Date: 10-15-94

Removal Contractor: Retro Time Started: 0700

Monitoring Contractor: TTR Time Stopped: 1900

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" 0.02 per GSA	✓	
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 Problems

Report Prepared By: [signature] Date: 10/15/94

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486-012

Location: KITCHEN Date: 10-15-94

Removal Contractor: RETRO Time Started: 1900

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" > 0.02" wg.	✓	
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.	N/A material vacuumed	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ___ ½ face 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: 10/15/94

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: 6486-012

Location: 2ND FLOOR / KITCHEN Date: 10/16/94

Removal Contractor: RETRO Time Inspected: 0320

Monitoring Contractor: TRADR Time Completed: 0335

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.	✓	
(above eye level)	e. Horizontal surfaces.	✓	
	f. Pipes.	N/A	
	g. Ductwork.	N/A	
	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:					
Location:	INSIDE	WORKAREA	/ KITCHEN		
Volume (Liters):	1200	1200	1200	1200	
Flow rate: (Liters/Minute)	10	10	10	10	
Fibers/Filter:					
Fibers/Cubic Cm:	<0.01	<0.01	<0.01	<0.01	

ANALYST ANALYZING SAMPLES: SCOTT DUNN DATE: 10/10/94

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: 10/16/94

REPORT REVIEWED BY: _____ DATE: _____

Page # 1

LOG SHEET

Date: October 15, 1994

Project Number: 6456 012

Industrial Hygienist: Barry J. Hember

Abatement Contractor/Supervisor: Retro / Reeves

Time	Remarks
0700	On site - work continues
0730	Barrier Inspection - neg pressure -0.020 poly fine
	ceiling removed, Automatic hanging pipe all fine
0800	Work continues - all fine
0900	Pipe and duct continues neg pressure -0.024 all fine
1000	Work continues all fine neg pressure -0.032"
1100	Work continues all fine neg pressure -0.032"
1200	Workers exit for lunch neg pressure -0.020 workers
	had to open side of area, Retro closing it up and
	ensuring operation of traps.
1300	Workers return from lunch - meeting neg pressure -0.020
1400	Pull 1st set of pumps, work continues all fine -0.020
1430	Samples analyzed all fine
1500	Filling System with water ceiling grid work continues
	neg pressure -0.020 all fine Talking 17 lights out
1530	Set up second set of pumps vent hi vol as there was no charge
	second set of low vols all fine neg pressure -0.020
1615	Begin pressure test all fine
1800	Passed pressure test, neg pressure -0.024 continue installing
	ceiling all fine
1900	End of shift

NEOB 6486-012

KITCHEN 10/15/94

REMOVAL CONTRACTOR: RETRO / SCOTT Time Started: 1900

IH: SCOTT DUNN

1900 ARRIVE TO RELEASE BARRY HEMLER. AUTOMATIC HAS COMPLETED THEIR PRESSURE TEST. COAKLY AND UNION LIGHT AND POWER IN CONTAINMENT

2000 COAKLY AND UNION LIGHT and POWER CONTENUE WORK INSIDE CONTAINMENT

2100 UNION LIGHT AND POWER LEAVE JOB SIGHT. COAKLY CONTINUES THEIR WORK.

2200 COAKLY CONTINUES AND RETRO WORKERS HAVE ARRIVED.

2300 COAKLY CONTINUES CEILING TILE WORK. MAY BE FINISHED BY 0100.

2400 SAME

10/16/94 0100 NO CHANGE. NEG PRESSURE IS OK. RETRO WORKERS INSIDE HELPING COAKLY.

0200 COAKLY BEGINS TO REMOVE MATERIAL OUT OF CONTAINMENT

0300 FINAL VISUAL INSPECTION CONDUCTED FROM 0300-0315. TTR'S RESPIRATOR WAS STOLEN. TTR HAD TO USE SOMEONE ELSE'S RESPIRATOR. VERY FEW DEFECIENCIES WERE FOUND. ANY DEFICIENCIES FOUND RETRO CORRECTED ON THE SPOT.

0325 WORKERS FROM RETRO BEGIN ENCAPSULATION, COMPLETED AT 0335

0350 FINAL AERS SET UP AND WILL BE COLLECTED AT 0550

0550 Final air samples collected and prepped for analysis

0610 Final air sample analysis completed. All four were <0.01 f/cc. Retro notified. Tear down begins

0630 TTR LEAVES JOB SITE.

MAJOR TECHNOLOGY SERVICES, INC.
[illegible]VILLE, MARYLAND 20[illegible]

[illegible]

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012A	268594	1	10/17/94	OUT	< 0.005
6486012A	268694	2	10/17/94	OUT	< 0.004
6486012A	268794	3	10/17/94	OUT	< 0.004
6486012A	268894	4	10/17/94	OUT	< 0.004
6486012A	268994	5	10/17/94	OUT	< 0.005
6486012A	269094	6	10/17/94	FIN	< 0.004
6486012A	269194	7	10/17/94	FIN	< 0.004
6486012A	269294	8	10/17/94	OUT	BLANK= 0.00
6486012A	269394	9	10/18/94	OUT	< 0.006
6486012A	269494	10	10/18/94	OUT	< 0.007
6486012A	269594	11	10/18/94	OUT	< 0.007
6486012A	269694	12	10/18/94	OUT	< 0.007
6486012A	269794	13	10/18/94	OUT	< 0.007
6486012A	269894	14	10/18/94	FIN	< 0.004
6486012A	269994	15	10/18/94	FIN	< 0.004
6486012A	270094	16	10/18/94	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 [illegible]
MICHAEL [illegible]
LABORATORY MANAGER

Tracor Technology Resources — **Air Sample Sheet**

Project # 6486-012A

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	Count Data: Fibers Per cc
A	268594	81	4927	2.5	2.5	2.5	1930	0250	410	1025	2	100	0	0.02	<0.002
A	Notes: Area Sample: NEOB, #2nd floor, across from cafeteria, outside containment, In hallway.														
B	268694	82	4936	2.5	2.5	2.5	1932	0255	443	1108	1	100	0	0.01	<0.002
B	Notes: Area Sample: NEOB, #2nd floor, outside containment, In hallway, beside mechanical room.														
C	268794	83	5102	2.5	2.5	2.5	1935	0255	440	1100	2	100	0	0.02	<0.002
C	Notes: Area Sample: NEOB, #2nd floor, outside containment, In hallway, at entrance to stairwell #1.														
D	268894	84	5105	2.5	2.5	2.5	1938	0255	437	1093	4	100	0	0.04	<0.002
D	Notes: Area Sample: NEOB, #2nd floor, across from cafeteria, at entrance to containment decon.														

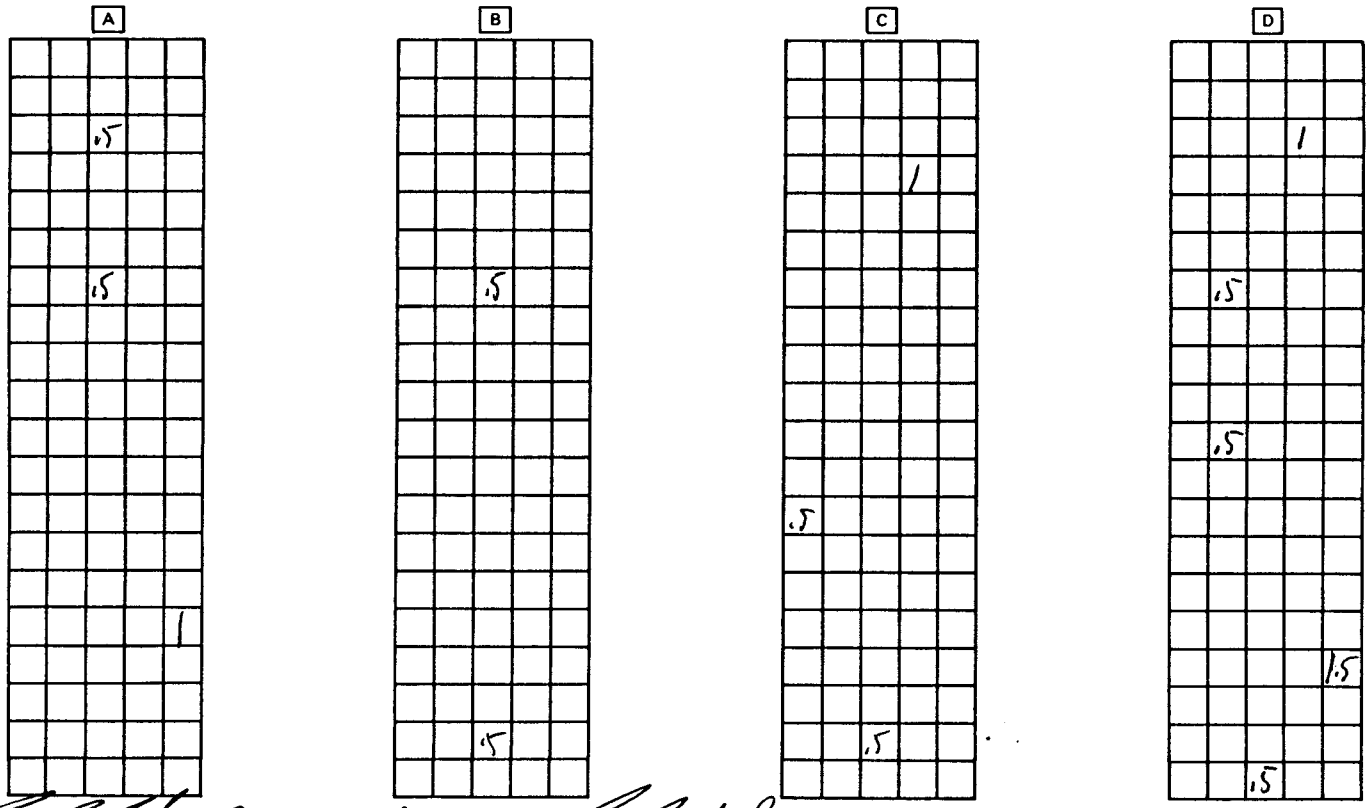
Field Area: (Check One) ☑ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



Carl A. Butler 10/17/94
FIELD TECH. DATE

Carl A. Butler 10/17/94
ANALYST DATE

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: 6486 0124

Location: #725, #17th St. NW. Wash DC. Date: Oct. 17, 1994

Removal Contractor: Retro Environmental Time Started: 2000

Monitoring Contractor: Tracor Time Stopped: 0600

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 1)	
	d. Seals around ducts, windows and doors	N/A 2)	
	e. "Negative air machine" in use	yes	
	f. Negative pressure > .03"	yes	
2. Signage	a. Caution Signs at vestibule entry.	yes	
	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.	NO 3)	

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:	14	15			
Location:	#2nd floor, across	of cafeteria,	In	hallway.	
Volume (Liters):	1200	1200			
Flow rate: (Liters/Minute)	10.0	10.0			
Fibers/Filter:	3	2			
Fibers/Cubic Cm:	<0.002	<0.002			

ANALYST ANALYZING SAMPLES: Carl A. Butler DATE: Oct. 18, 94

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

1) These items weren't inside the containment.

Report Prepared By: Carl A. Butler Date: Oct. 18, 1994

REPORT REVIEWED BY: _____ DATE: _____

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building Project: 648-012A

Location: #725, #17th St. NW. Wash. DC. Date: Oct. 17, 1994

Removal Contractor: Retro Environmental Time Inspected: 1945

Monitoring Contractor: Tracor Time Work Started: 2000

Inspection Category	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"	YES	
2. Signage	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	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 A half face PAPR ____ TYP"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. No Eating/Drinking	yes	

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

1) Wasn't inside containment.

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Paul A. Butler Date: Oct. 18, 1994

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building Project: 6486 012 A

Location: #725, #17th St. NW, Wash. DC Date: Oct. 17, 1994

Removal Contractor: Retro Environmental Time Inspected: 0300

Monitoring Contractor: Tracor Time Completed: 0310

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 1.)	
	d. Ventilation Equipment.	N/A 1.)	
(above eye level)	e. Horizontal surfaces.	yes	
	f. Pipes.	N/A 1.)	
	g. Ductwork.	N/A	
	h. Registers	N/A 1.)	
	i. Lights.	N/A	

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 A half face PAPR ____ TYP"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. No Eating/Drinking	Yes	

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

1.) No glove-bag removal was performed by Retro, In this phase.
2.) These items wasn't inside containment.
3.) All containment will pass finals, before end of work shift.

Report Prepared By: Paul A. Sutter Date: 10/18/94

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: 6486 017 A

Location: #725, #17th St. NW. Wash DC. Date: Oct. 18, 1994

Removal Contractor: Retro Environmental Time Started: 2000

Monitoring Contractor: Tracor Time Stopped: 0600

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 1)	
	d. Seals around ducts, windows and doors	N/A 2)	
	e. "Negative air machine" in use	yes	
	f. Negative pressure > .03"	yes	
2. Signage	a. Caution Signs at vestibule entry.	yes	
	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.	No 3)	

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:	86	87			
Location:	#2nd Floor,	Across from	Cafeteria,	In hallway	
Volume (Liters):	1200	1200			
Flow rate: (Liters/Minute)	10.0	10.0			
Fibers/Filter:	1	2			
Fibers/Cubic Cm:	<0.002	<0.002			

ANALYST ANALYZING SAMPLES: Carl A. Butler DATE: Oct. 17, 94

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

1) These items wasn't inside the asbestos abatement area.

Report Prepared By: Carl A. Butler Date: Oct. 17, 1994

REPORT REVIEWED BY: _____ DATE: _____

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building Project: 6486 0124

Location: #725, #17th St. NW. Wash. DC. Date: Oct. 18, 1994

Removal Contractor: Retro Environmental Time Inspected: 1930

Monitoring Contractor: Tracor Time Work Started: 2000

Inspection Category	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"	YES	
2. Signage	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	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 Half face PAPR ___ TYP"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. No Eating/Drinking	yes	

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

1) wasn't inside containment.

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: [illegible] Date: Oct. 17, 1994

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building Project: 6416C12A

Location: #725, #17th St. NW, Wash. DC Date: Oct. 18, 1994

Removal Contractor: Retro Environmental Time Inspected: 2430

Monitoring Contractor: Tracor Time Completed: 2445

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 (1)	
	d. Ventilation Equipment.	N/A (1)	
(above eye level)	e. Horizontal surfaces.	yes	
	f. Pipes.	N/A (1)	
	g. Ductwork.	N/A	
	h. Registers	N/A (1)	
	i. Lights.	N/A	

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 A half face PAPR ____ TYP "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. No Eating/Drinking	yes	

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

1.) No glove-bag removal was performed by Ketro. In this phase.
2.) Those items wasn't inside containment.
3.) All containment will pass finals before end of shift.

Report Prepared By: Paul A. Butler Date: Oct. 17, 1994

[illegible] ENVIRONMENTAL [illegible], INC.
[illegible] BAY [illegible] 2005

[illegible]

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	RAD
6486012A	262894	1	10/22/94	INS	0.172
6486012A	262994	2	10/22/94	OUT	0.008
6486012A	263094	3	10/22/94	OUT	0.014
6486012A	263194	4	10/22/94	OUT	0.005
6486012A	263294	5	10/22/94	OUT	< 0.004
6486012A	263394	6	10/22/94	OUT	0.004
6486012A	263494	7	10/22/94	OUT	VOIDED
6486012A	263594	8	10/22/94	OUT	0.006
6486012A	263694	9	10/22/94	OUT	< 0.004
6486012A	263794	10	10/22/94	OUT	< 0.004
6486012A	263894	11	10/22/94	OUT	< 0.004
6486012A	263994	12	10/22/94	OUT	BLANK= 1.00
6486012A	264094	13	10/22/94	OUT	BLANK= 1.00
6486012A	264194	14	10/22/94	FIN	< 0.004
6486012A	264294	15	10/22/94	FIN	< 0.004
6486012A	264394	16	10/22/94	FIN	< 0.004

KEY: BKG BACKGROUND
FIN FINAL CLEARANCE AIR
PER PERSONAL
GOB OUTSIDE AREA SAMPLE DURING GLOVE BAG REMOVAL
INS INSIDE CONTAINMENT
OUT OUTSIDE CONTAINMENT

APPROVED BY [illegible]
MICHAEL [illegible]
LABORATORY MANAGER

Tracor Technology Resources

Air Sample Sheet

Project # 6 4 5 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	262894	01	92-32	2.5	2.5	2.5	0500	1300	480	1200	105	25	–	420	0.17
A	Notes: Area working – Trouble barrier														
B	262994	02	23721	2.5	2.5	2.5	0500	1300	480	1200	14.5	100	–	14.5	0.006
B	Notes: AREA – exhaust in kitchen														
C	263094	03	31	2.5	2.5	2.5	0500	1300	480	1200	49.5	100	–	47.5	0.02
C	Notes: AREA – Bp 9 Zeron in kitchen														
D	263194	04	2	2.5	2.5	2.5	0500	1300	480	1200	13	100	–	13	0.005
D	Notes: AREA – AT serving line in cafeteria														

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

21	5	4	3	4	5
20	4	4	3	5	4
21	4	3	4	5	5
19	3	4	4	3	5
24	6	4	4	3	5

B

.5				
1		.5		
		.5		
	.5	1		
1		1		
	1			
1				
		1.5		
	1			
	.5			
		1		
			1	
	1			

C

1.5				3
				1.5
		1.5	2	
1				1
	1		2	.5
.5				
		1	1.5	
		.5	1	2
1	1	.5		
			1	1
				1
1		1		1
			1	2
			1	
.5		1		1.5
.5		1	1	.5
			1	
1.5		2		1
	1			
			1	

D

	1			
			1	
	.5			
				1
1		5		
			1	
		1		
			.5	
	1			
		1		
1				
1				
		.5		

B Henderson 10/21/94
FIELD TECH. DATE

B Henderson 10/22/94
ANALYST DATE

Tracor Technology Resources — Air Sample Sheet

Project # 6,1,8,6,0,1,2,

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	263294	05	34	2.5	2.5	2.5	0500	1300	480	1200	8	100	–	8	0.003
A	Notes: AREA 2nd floor elevator lobby														
B	263394	06	89	2.5	2.5	2.5	0500	1300	480	1200	10.5	100	–	10.5	0.004
B	Notes: AREA microtrap exhaust Farrwell #3														
C	263494	07	54164	2.5			1300								
C	Notes: AREA – inside kitchen barrier														
D	263594	08	23120	2.5	2.5	2.5	1300	2030	450	1125	14.5	100	1	13.5	.006
D	Notes: AREA — kitchen decon														

VOID

Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

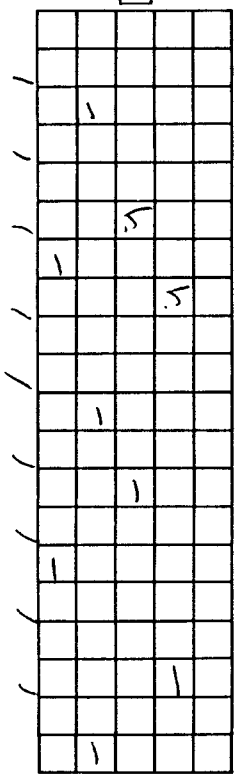
Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

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

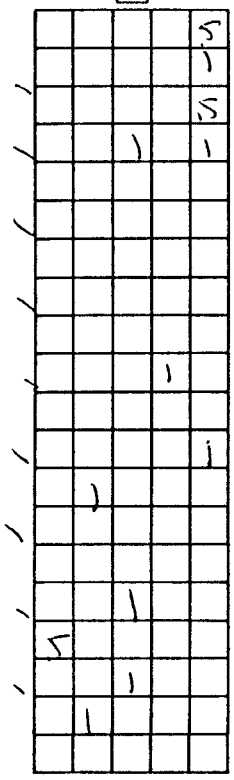
Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A 05

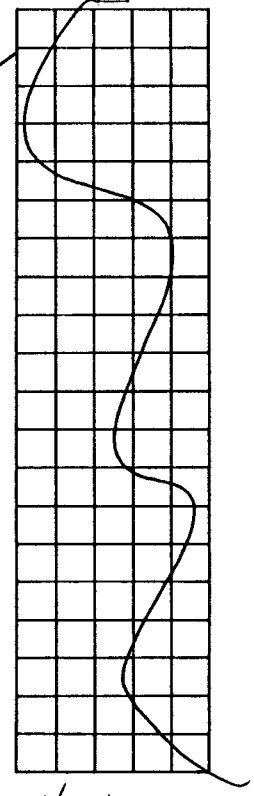


05

B 06

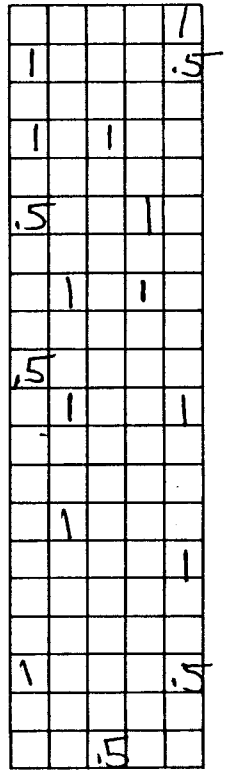


C 07



VOID

D 08



14.5/100

B Klein 10/21/94
FIELD TECH. DATE

B Klein 10/24/94
ANALYST DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 14,4,0,1,2

1601 Research Boulevard
Rockville, Maryland 20850

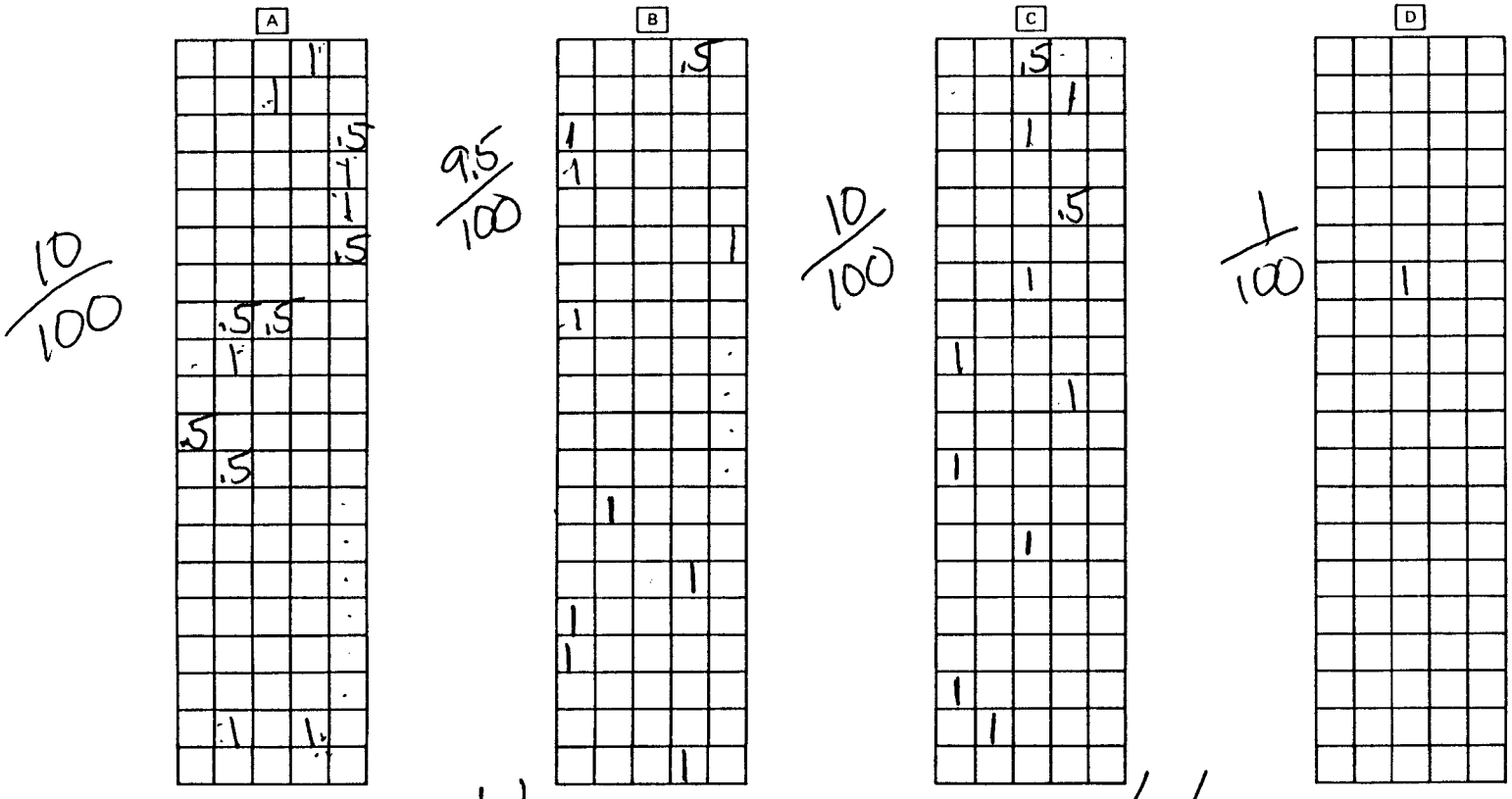
	Log #	Sample #	Pump ID	Flow Calibration Pre	Post	Liters/Min Mean	Time (Military) On	Off	Total (Min)	Volume	Count Data Total Count	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	263794	09	23449	2.5	2.5	2.5	1300	2030	450	1125	10	100	1	9	≤.004
A	Notes: ARSA K.Tower Exhaust														
B	263794	10	06	2.5	2.5	2.5	1300	2030	450	1125	9.5	100	1	8.5	≤.004
B	Notes: ARSA Substation serving line														
C	263894	11	93	2.5	2.5	2.5	1300	2030	450	1125	10	100	1	9	≤.004
C	Notes: ARSA 2nd floor lobby														
D	263994	12									1	100			
D	Notes: BLANK														

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



Barry Hemler 10/22/94
FIELD TECH. DATE

10/22/94
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	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	264094	13									1	100			
A	Notes: BLANK														
B	264194	14	16	10.0	10.0	10.0	0200	0400	120	1200	7	100	1	6	≤.004
B	Notes: FINAL AIR														
C	264294	15	2	10.0	10.0	10.0	0200	0400	120	1200	6	100	1	5	≤.004
C	Notes: FINAL AIR.														
D	264394	16	416	10.0	10.0	10.0	0200	0400	120	1200	6.5	100	1	5.5	≤.004
D	Notes: FINAL AIR														

Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

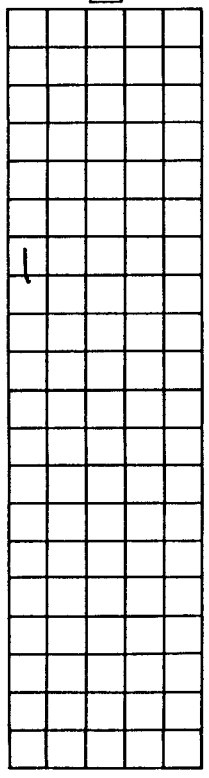
Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

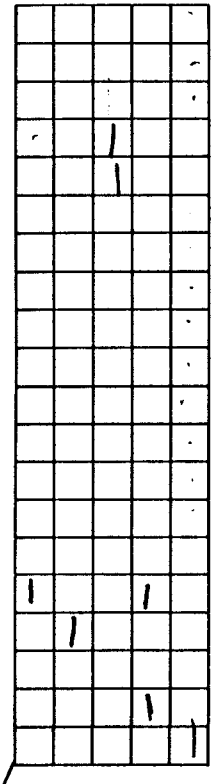
Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

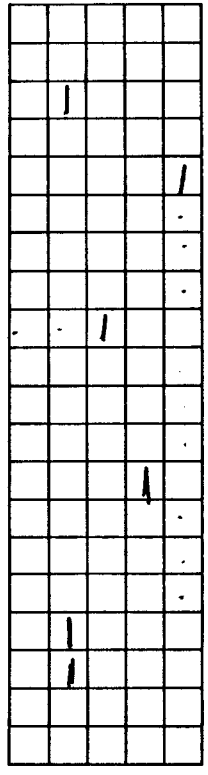
A: 1/100



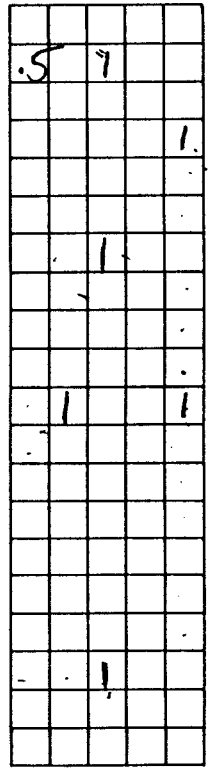
B: 7/100



C: 6/100



D: 6.5/100



[redacted] 10/22/94
FIELD TECH. DATE

[redacted] 10/22/94
ANALYST DATE

Exhibit A/B

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Project: 6486 012

Location: Date: 10/21

Removal Contractor: Retro Time Inspected: 0400

Monitoring Contractor: Tracor Time Work Started: 0430

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. "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.	N/A	
	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."

See "Memo For Record" - M. Larsen

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: [signature] Date: 10/21

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486 012

Location: 2nd Fl Kitchen Date: 10/22/94

Removal Contractor: Retro Time Started: 0700

Monitoring Contractor: TTA Time Stopped: 1900

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"		✓
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."

Barrier kept being penetrated by trades for access to the new work to old.

Report Prepared By: B Berube Date: 10/22/94

648 6012 10/22/94

B Hamilton NCOB Kitchen

Retro / Bob Beaver

0700 On site barrier ready except for low neg pressure. Lost pressure when removed lifting. Retro make adjustments

0730 Pressure -0.028" Inspected barrier only small openings and two exhaust vents uncovered. Mr Beaver stated to shut down project if pressure drops below -0.020". Retro matrix and Union center containment to continue work. Was stopped due to loss of pressure. All fine

0800 Work continues all fine neg pressure -0.028

0830 All fine neg pressure - 0.032".

0900 Work continues all fine

1000 Automatic on break neg pressure - 0.030" all fine

1100 Work continues all fine

1200 Workers on break all fine

1300 Setup new set of gauges, pulled first set. neg pressure drop to -0.016 Informed Scott of Retro. Is setting up to investigate and repair

Watching meeting 'Union finishing up, packing up tools all fine

1310 Retro finish barrier pressure -0.020 all fine

1400 Pressure down to 0.016 again, Retro to fix

1500 Work continues Automatic never completion to set up pressure lost entry infiltration continues neg pressure problem again -0.016

1530 Outside chem sample 0.02 ppm, informed Retro. AID filling system during equipment up. Retro working on repairing pressure

1600 Pressure back up to -0.032 entry tubes were off this time. Retro will clean outside chem a little later after work needs attended.

1700 Retro continues entry work neg pressure -0.024"

1800 Automatic done entry work continues all fine

1900 end of shift

B CIH

Note to File - GSA-NEOB 10-22-94
0600

2nd Floor Sprinkler Project - CIH Inspection

Containment curtain inspected. 0.02 inches of pressure not maintained - 0620. 0.008 noted. Checked tape - Contractor has not been able to achieve 0.02 yet. Advised Bob Reeves and asked contractor to evaluate barrier seal with ceiling.

All other parameters - normal.

DATE: 10/22 & 10/23/94 DAILY LOG PROJECT # 6486-012
CONTRACTOR: RETRO
HYGIENIST: M. BROWER

1900 - BROWER ON SITE. COAKLY HANGING CEILING TILE GRID AT THIS TIME. THEY ANTICIPATE 4-5 MORE HOURS. RETRO CREW TO BE IN ABOUT 2100 HRS.
2000 - COAKLY CONTINUES ON GRID
2030 - ALL AREA SAMPLES PULLED
2100 - AREA SAMPLES ALL BELOW .01 f/cc level outside of DECON HAS DROPED to below .01 f/cc
2130 - RETRO ON SITE
2230 - RETRO TEARING DOWN SOME MINI CONTAINMENTS WHILE WAITING ON COAKLY TO FINISH. COAKLY DROPING CEILING TILES AT this time.
2330 - COAKLY ABOUT FINISHED WITH CEILING
2400 - RETRO CLEANING UP CONTAINMENT AT THIS TIME
0100 - I GIVE RETRO FINAL VISUAL
0130 - RETRO ENCAPSULATING CONTAINMENT AT THIS TIME
0200 - FINAL AIR SAMPLES RUNNING
0400 - All FINALS off At this time
0430 - FINALS PASSED, All below .01 f/cc (≤.004 for All)
0500 - BROWER off Site

BLANK MJB 10/23/94

Exhibit #B

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEDB

Project: 6486-012

Location: 2ND floor Cafeteria

Date: 10/22 - 10/23/94

Removal Contractor: RETRO

Time Inspected: 1900 - 10/22

Monitoring Contractor: TRACOR

Time Work Started: 0500 - 10/23

Inspection Category	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	yes	
	d. Vertical and Horizontal Openings	yes	
	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 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.	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	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. No Eating/Drinking	yes	

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

Report Prepared By: [signature] Date: 10/22/94

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: 6456-012

Location: 2ND floor / CAFEERIA Date: 10/23/94

Removal Contractor: Retro Time Inspected: 0100

Monitoring Contractor: TRACOR Time Completed: 0115

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.	yes	
(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:	14	15	16		
Location:					
Volume (Liters):	1200	1200	1200		
Flow rate: (Liters/Minute)	10.0	10.0	10.0		
Fibers/Filter:	6	5	5.5		
Fibers/Cubic Cm:	≤.004	≤.004	≤.004		

ANALYST ANALYZING SAMPLES: [signature] DATE: 10/23/94

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

Report Prepared By: [signature] Date: 10/23/94

REPORT REVIEWED BY: _____ DATE: _____

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

10/31/94

SUMMARY REPORT

PROJECT =	LOG =	SAMPLE =	DATE COLLECTED	LOCATION	F/CC
648601201	219094	1	10/28/94	INS	< 0.005
648601201	219194	2	10/28/94	OUT	< 0.005
648601201	219294	3	10/28/94	OUT	< 0.005
648601201	219394	4	10/28/94	OUT	< 0.005
648601201	219494	5	10/28/94	OUT	< 0.005
648601201	219594	6	10/28/94	OUT	< 0.005
648601201	219694	7	10/29/94	INS	VOIDED
648601201	219794	8	10/29/94	OUT	< 0.004
648601201	219894	9	10/29/94	OUT	< 0.004
648601201	219994	10	10/29/94	OUT	< 0.004
648601201	220094	11	10/29/94	OUT	< 0.004
648601201	220194	12	10/29/94	FIN	0.120
648601201	220294	13	10/29/94	FIN	0.208
648601201	220394	14	10/29/94	FIN	0.103
648601201	220494	15	10/29/94	FIN	0.130

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 # 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	219094	01	510007	2.5	2.5	2.5	1202	0715	433	1082.5	1	100	–	1	<0.005
A	Notes: Drywall Containment – Kitchen														
B	219194	02	533027	2.5	2.5	2.5	1207	0717	430	1075	3	100	–	3	<0.005
B	Notes: AT DECON ENTRANCE/EXIT														
C	219294	03	533935	2.5	2.5	2.5	1207	0717	430	1075	2	100	–	2	<0.005
C	Notes: AT NEGATIVE AIR EXHAUST														
D	219394	04	533378	2.5	2.5	2.5	1207	0717	430	1075	1	100	–	1	<0.005
D	Notes: KITCHEN DISHWASHING AREA														

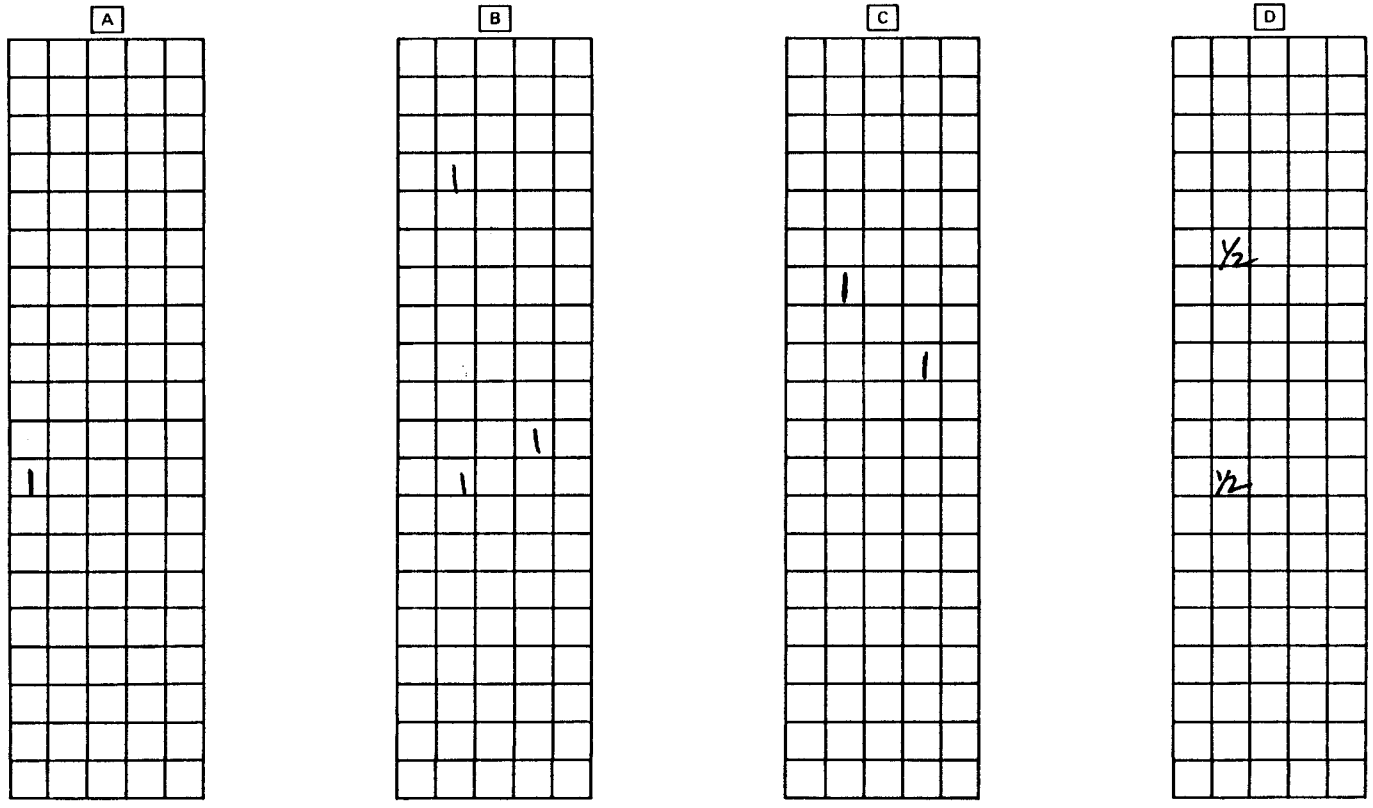
Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ~~☒ .00801~~ ☐ .00817

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 = $\frac{\text{(Net Count/100) x Filter Area}}{\text{Field Area x Volume x 1000}}$



SCOTT DUNN 10/28/94
FIELD TECH. DATE

DUNN 10/29/94
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	219494	05	533020	2.5	2.5	2.5	1207	0717	430	1075	0	100	—	0	<0.005
A	Notes: Center Service Area/Kitchen														
B	219594	06	533034	2.5	2.5	2.5	1207	0717	430	1075	2	100	—	2	<0.005
B	Notes: Service Area/Kitchen @ Perimeter Barrier														
C	219694	07	533353	2.5	—	—	0712	—	—	—	—	—	—	—	Analyzed
C	Notes: Inside Containment														
D	219794	08	533034	2.5	2.5	2.5	0712	1532	500	1250	6	100	—	6	<0.005
D	Notes: At Decon Entrance/Exit														

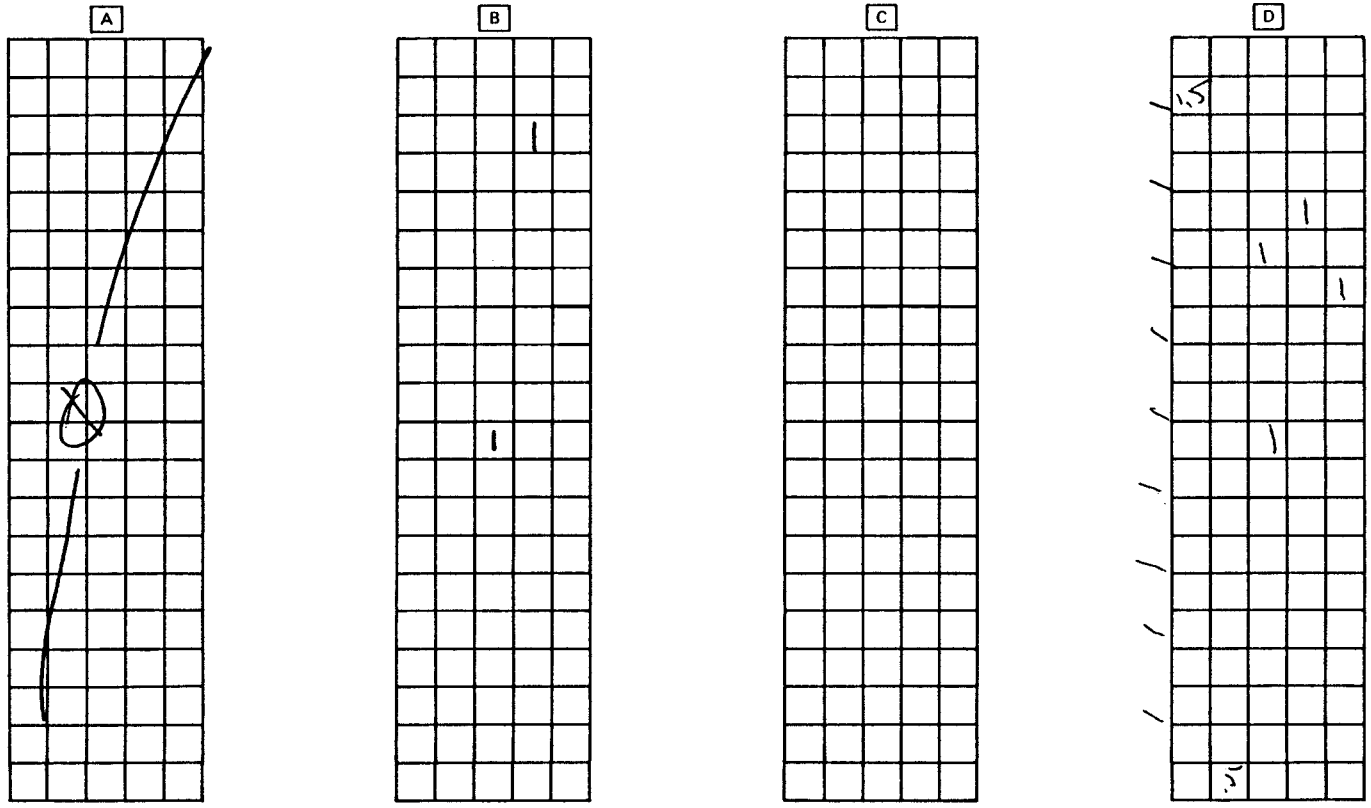
Field Area (Check One): ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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. — 10/28/94 DATE

Dunn / B. Dunn — ANALYST — 10/29/94 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	219894	09	533876	2.5	2.5	2.5	0712	1532	500	1250	3.5	100	—	3.5	<0.005
A	Notes: AT negative air exhaust														
B	219994	10	533042	2.5	2.5	2.5	0712	1532	500	1250	3.5	100	—	3.5	<0.005
B	Notes: AT Kitchen Dishwasher Service Area														
C	220094	11	533205	2.5	2.5	2.5	0712	1532	500	1250	4	100	—	4	<0.005
C	Notes: AT Kitchen Service Area														
D	220194	12	Hivol	10	10	10	1555	1905	190	1900	116	25	—	464	0.12
D	Notes: Working Final - inside barrier														

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				
			1	
	1			
	1			

B

		1		
			5	
			1	
		1		

C

			1	
			1	
	1			
				1

D

4	4	7	5	3
4	5	6	4	4
5	7	4	3	5
6	5	7	3	6
3	4	3	5	4

SCOTT DUNN — FIELD TECH. — 10/29/94 DATE

B Henderson — ANALYST — 10/29/94 DATE

Tracor Technology Resources — Air Sample Sheet

Project # 64,8,6,0,1,2

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	220294	13	Hivol	10	10	10	1855	1905	50	1400	161	20	–	805	0.12 OK
A	Notes: Working final – inside barrier														
B	220394	14	Hivol	10	10	10	1945	2145	120	1200	101	40	–	252	0.10
B	Notes: FINAL – inside barrier														
C	220494	15	Hivol	10	10	10	1945	2145	120	1200	111	35	–	317	0.13
C	Notes: FINAL – inside barrier														
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				
9	7	8	6	7
10	8	9	11	5
6	10	9	8	8
7	8	10	6	9

B				
1	2	5	4	3
2	2	3	2	2
4	2	3	2	4
5	2	1	2	1
5	3	2	2	4
2	1	2	3	2
2	4	2	1	3
4	2	1	1	3

68

C				
2	3	5	3	2
5	3	4	4	2
2	3	2	3	3
4	2	1	2	3
4	5	1	2	2
6	4	5	3	2
5	3	6	4	1

D				

B Wendler 10/29/94
FIELD TECH. DATE

B Wendler 10/29/94
ANALYST DATE

PAGE 1 of 1

AMA Analytical Services, Inc.

TRANSMISSION ELECTRON MICROSCOPY
ANALYTICAL RESULTS

DATE 11, 2, 94

COC NUMBER 31656

SAMPLE TYPE AIR

PROJECT OR JOB SITE 6486-012

ANALYSIS TYPE TOM

CLIENT TRACOR

CLIENT'S RELEASE CRITERIA 0.010 s/cc

CONTACT SCOTT DUNN

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
12		11	0.0023			2 CHRYSOTILE	<46	<0.0093			
13		11	0.0023			1 CHRYSOTILE	<46	<0.0093			
14		8	0.0024			0	<31	<0.0098			
15		8	0.0024			1 CHRYSOTILE	<31	<0.0098			

ELECTRON MICROSCOPIST Luis Bustillos

AVERAGE CONCENTRATION: (AHERA use only)

NOTE: For AHERA samples, the response action is complete and no further analysis i[illegible] if the concentration of the samples within the work area is less than or equal to 70 stru[illegible] mm² (s/mm²). If no asbestos structures are detected in a sample, the number zero (0) w[illegible]ed when computing the asbestos concentration. If asbestos is detected in a sample, the actua[illegible] 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.

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Project: SPRINKLERS

Location: KITCHEN - 2ND FLOOR Date: 10/28/94

Removal Contractor: RETRO Time Inspected: 12:00m

Monitoring Contractor: TRACOR Time Work Started: 12:10

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. "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	✓	

TEM's

NEOB

Kitchen

10/28/94 2350 - 0900 Lute

10/29/94 1000 - 2220 Barry

TEM Sample

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	✓	
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: 10/28/94

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: SPRINKLER

Location: KITCHEN - 2ND FLOOR Date: 10/28/94

Removal Contractor: RETRO Time Started: 12:00M

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"	✓	
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.	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: Scott Dunn Date: 10/28/94

Page # 1

LOG SHEET

Date: 28 OCTOBER 1994

Project Number: 6486-012

Industrial Hygienist: SCOTT DUNN

Abatement Contractor/Supervisor: RONALD TUB. / RETRO ENV.

Time	Remarks
2350	TRACOR arrives at job site and checks in w/ Secret Service.
0000	TRACOR inspects containment on 2ND FLOOR in Kitchen. RETRO is informed by TRACOR that containment is OK to remove ceiling tiles.
0045	Workers have removed all tile and leave @ 0100. No work is performed from 0100 thru 0400, until AUTOMATIC Sprinkler (ASCOA) arrives at site. Retro will be here at 0530.
0400	ASCOA Supervisor arrives at job site.
0430	SEAM in perimeter barrier is observed to be broken. Will instruct Retro to correct deficiency @ 0530
0600	ASCOA + Electricians are here. ASCOA in non-asbestos area in kitchen installing sprinklers.
0700	RETRO seals up area on perimeter barrier ASCOA is working outside work area and so is union Light + Power.
0800	Union Light and Power has entered asbestos work area. Fiber concentrations inside the containment (<0.005).
0900	Union Light and Power needs access to door inside containment. TRACOR allows access w/intention that area will be cleaned and resealed.

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB

Project: 6486-012

Location: 2nd Fl - Kitchen

Date: 10-29-94

Removal Contractor: Retro

Time Started: 1000

Monitoring Contractor: ITR

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"~~ .02 MWG	✓	
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 problems with smoking or eating

Report Prepared By: [signature] Date: 10/24/94

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: GSA - NEOB Project: 6486012

Location: 2nd Floor Kitchen Date: 10-29-94

Removal Contractor: Retro Time Inspected: 1930

Monitoring Contractor: TTR Time Completed: 1940

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:	A14	A15			
Location:	in	in			
Volume (Liters):	1200	1200			
Flow rate: (Liters/Minute)	10	10			
Fibers/Filter:	3				
Fibers/Cubic Cm:					

ANALYST ANALYZING SAMPLES: [signature] DATE: 10/24/94

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

~~[illegible]~~ Problem with gypsum tile contamination of filters (see Field notes).

Report Prepared By: [signature] Date: 10/29/94

REPORT REVIEWED BY: _____ DATE: _____

Page # 1

LOG SHEET

Date: 10-29-94

Project Number: 6486-012

Industrial Hygienist: Barry J Herndon

Abatement Contractor/Supervisor: Retro/Reeves

Time	Remarks
1000	On site, reviewed project with prior IH. Second
	set had been set up workers undergoing project
	neg pressure -0.032" and fine
1100	Work continues neg pressure -0.032 all fine
1200	Workers go to lunch exit properly all fine -0.032
1300	Workers continue project - Weekly meeting
1400	Barrier Inspection — barrier in good shape and sprinkler
	work has been done Waiting for grid to go in so lights
	(dome) can be finished. -0.032 all fine
1500	Continue hanging grid in vacuum kitchen area
1530	Inspected barrier and debris on floor. After passes visual
	will on working final during vacuum CT installation. In pass
	all time for final if doesn't will run second final air samples
1600	Set up working finals worker almost ready to START running grid in barrier
	on break. -0.032
1630	Analyzed second set all <0.005 f/cc all fine grid work
	continues not yet in barrier
1730	Crew begins installing grid in barrier all fine
1845	Ceiling installed Retro cleaning barrier
1900	Pulled working finals / set up blank finals
1920	Working finals final - Retro to put speaker in will close
	containment for night. Do cleaning and finals tomorrow
1930	Changed plan channel barrier posted visual
1945	Set up finals
2145	Analyzed finals, Working finals were 0.2 finals were 0.1
	finals showed same type of morphology as working finals which →

Page # 2

LOG SHEET

Date: 10-29-94

Project Number: 6444012

Industrial Hygienist: B Wender

Abatement Contractor/Supervisor: Retro / Kerr

Time	Remarks
2220	were collected during the installation of non asb, gypsum ceiling tiles. This tile work continued outside the barrier during the final sampling period. As the barrier was small and pressure good ~0.032" these fiber like structures are most probably activities gypsum contamination. Earlier working samples were <0.005 inside the barrier! Discussion with Mr Toby and Tim of Gravitey came to discussion that another cut would be unnecessary with concurrence the barrier was removed.

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

NVLAP

November 16, 1994

Tracor Technology Resources, Inc.
1601 Research Boulevard
Rockville, MD 20850

RE:	TEM Analysis
JOB NUMBER:	6486-012
PROJECT NAME:	NEOB
AMA CHAIN OF CUSTODY #:	31656

ATTN: Scott Dunn

This is the final report for transmission electron microscopy (TEM) analysis performed on the samples from the referenced job site, according to Appendix A to Subpart E of the US EPA's 40 CFR Part 763 (Final Rules). Air samples were submitted by Scott Dunn of Tracor Technology Resources, Inc. to AMA Analytical Services, Inc. on November 1, 1994. Analytical results were reported to Tracor Technology Resources, Inc., by telefax, on November 2, 1994.

The TEM sample set consisted of four (4) air samples which were analyzed by AHERA guidelines, using your specified release criteria of 0.0100 structures/cubic centimeter (s/cc).

AMA Analytical Services, Inc., in an effort to reduce the potential liability to our clients, always analyzes at least twice the grid opening area per TEM sample as required for a given volume of air collected. The grid opening area to be analyzed (per sample) is calculated to ensure that an analytical sensitivity of at least 0.0025 s/cc is maintained during TEM analysis. The reported asbestos concentration is expressed at a 95% upper confidence level.

Analytical Results

No sample exceeded the release criteria.

Results of TEM analyses are summarized on the Certificate of Analysis found in Appendix A. Individual TEM Fiber Count Sheets are also provided in Appendix B. If asbestos structures were observed during TEM analysis, photographic documentation of characteristic structures and selected area electron diffraction (SAED) patterns may be provided, as well as data acquired by energy dispersive x-ray spectroscopy (EDXA).

A copy of the Chain of Custody/Sample Submittal form and copies of additional support documentation (e.g., field data sheets), if provided, are in Appendix C.

Preparation Of Mixed Cellulose Ester Filters

Samples are prepared in a laminar flow (Class 100) fume hood. Sample filters are removed from the cassette and cut into two sections, using surgical grade scissors. One section is used for sample preparation.

Each filter's section is collapsed onto a glass microscope slide using a solution containing dimethylformamide (DMF), acetic acid and water. The collapsed filters are etched to 90% of their original weight in an oxygen plasma, then coated with a supporting layer of carbon.

Three indexed, 200-mesh copper grids are placed into a modified Jaffe wick washer. Sections are excised from the coated filter and placed onto the grids. The filters are then dissolved for approximately one hour in the Jaffe washer using DMF. A final acetone wash, for 10 or more minutes, is then performed.

Analytical Methodology

The TEM air sample preparations are analyzed following the AHERA protocol outlined in Appendix A to Subpart E of the US EPA's 40 CFR Part 763 (Final Rules).

Analysis is conducted using a JEOL 100CXII transmission electron microscope equipped with either a Kevex (Delta Class) or EG&G Ortec energy dispersive x-ray analyzer (EDXA). The sample grids are examined at 100X to determine the quality of the sample preparation. A screen magnification of 15,000X is used for the actual analysis. The number of grid openings analyzed is dependent upon the volume of air collected. Structures having aspect ratios of $\geq$ 5:1 and a minimum length of 0.5 micrometers,

are examined in detail. Structure morphology, SAED and EDXA are used to differentiate asbestos from non-asbestos structures; each structure is classified as a fiber, bundle, matrix or cluster. Photographic documentation of the morphology and the SAED pattern, as well as EDXA data, are completed for the first five chrysotile and amphibole asbestos structures.

AMA Analytical Services, Inc. appreciates the opportunity to be of service to Tracor Technology Resources, Inc. If you have any questions regarding data, analytical procedures, or analytical results, please do not hesitate to contact us.

Sincerely,
AMA ANALYTICAL SERVICES, INC.

Luis Bustillos
Electron Microscopist

W. M. Craig (SLM)
W. M. (Chip) Craig
President and Laboratory Director

LB/kw

APPENDIX A

CERTIFICATE OF ANALYSIS

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

CERTIFICATE OF ANALYSIS

NVLAP

Tracor Technology Resources
1601 Research Blvd.
Rockville, MD 20850

JOB SITE: NEOB
JOB NUMBER: 6486-012
SUBMITTED BY: Tracor Technology Resources

DATE ANALYZED: 11/02/94
CHAIN OF CUSTODY #: 31656
PERSON SUBMITTING: Scott Dunn

ATTENTION: Scott Dunn
FILTER MEDIA: MCE
25mm Dia (385 mm^2)
N/P Micron Pore

SUMMARY OF TRANSMISSION ELECTRON MICROSCOPY

DATE SAMPLED	AMA LAB NUMBER	CLIENT NUMBER	VOLUME SAMPLED (LITERS)	FILTER AREA ANALYZED (mm^2)	ANALYTICAL SENSITIVITY S/mm^2	ANALYTICAL SENSITIVITY S/cc	NO. OF ASBESTOS STRUCTURES AND TYPE	NO. OF NON-ASBESTOS STRUCTURES	ASBESTOS CONCENTRATION S/mm^2	ASBESTOS CONCENTRATION S/cc	SAMPLE TYPE	SAMPLE LOCATION
11/01/94	9500001	12	1900	0.087	11	0.0023	2 Chrysotile	0	<46	<0.0093	N/P	
11/01/94	9500002	13	1900	0.087	11	0.0023	1 Chrysotile	0	<46	<0.0093	N/P	
11/01/94	9500003	14	1200	0.131	8	0.0024	0	0	<31	<0.0098	N/P	
11/01/94	9500004	15	1200	0.131	8	0.0024	1 Chrysotile	0	<31	<0.0098	N/P	

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

Luis Bustillos

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. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP Accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of air samples.

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An AIHA (# 8863), NVLAP (# 1143), & New York ELAP (# 10920) Accredited Laboratory
4485 Forbes Blvd., • Lanham MD 20706 • (301) 459-2640 • Toll Free (800) 346-0961 • Fax (301)459-2643

APPENDIX B

TEM FIBER COUNT SHEETS

AMA Analytical Services, Inc.

An AIHA/NVLAP Accredited Laboratory

FIBER COUNT SHEET FOR TRANSMISSION ELECTRON MICROSCOPY

Page 1 of 1

Date of Analysis 1/12/94 AMA Lab ID # E95 00001 Filter Type/Size: MCE 25 mm PC ___ mm

Client TRACOR Sample Number 12 Starting Time : Filter Porosity N/P µm Lot# N/P

Chain of Custody # 31656 Stopping Time : Filter Manufacturer N/P

Analyst Luis Bustin Grid Storage Box ID # 95016 Working Mag. 15 K (L.O.D.)/Sensitivity 46 s/mm² 0.0093 s/cc

(signed) Holder # ___ Grid 1 A B Accel. Voltage 100 kV Volume of air Sampled 1900 L

Method/Type (circle): EPA Level II (AHERA) Other: ___ (Air) Water Bulk Wipe Grid Openings to Observe (AHERA) 8

Grid Opening #/Location	Structure Number	Structure Type	Length & Width (in microns)	SAED	Saved Spectrum Identification #	Elements Identified	Fiber Negative Number	SAED Negative Number	Magnification or Camera Length	
1 / 1.5	NSD		:						K	cm
2 / 4.5	NSD		:						K	cm
3 / K.2	NSD		:						K	cm
4 / G-1	NSD		:						K	cm
5 / G-1 [X]	1	M	1.30 0.10	PS	CHRY				K	cm
6 / U 5 [X]	NSD		:						K	cm
7 / 4.6 [X]	2	B	3.80 0.30	PS	CHRY				K	cm
8 / K.2 [X]	NSD		:						K	cm
			:						K	cm
			:						K	cm
			:						K	cm
			:						K	cm
			:						K	cm
			:						K	cm
			:						K	cm

LEGEND: NSD = No Structures Detected F = Fiber B = Bundle C = Cluster M = Matrix UTO = Unable to Obtain [X] = 2nd Grid

Total # of Grid Openings Observed 8 = 0.087 mm² # of Structures Counted: 2

Asbestos Type: CHRYSOTILE 2 s < 5µm + ___ s ≥ 5µm = 23 s/mm² = 0.0046 s/cc

Asbestos Type: ___ ___ s < 5µm + ___ s ≥ 5µm = ___ s/mm² = ___ s/cc

Non-Asbestos Type: ___ ___ s < 5µm + ___ s ≥ 5µm = ___ s/mm² = ___ s/cc

Total Asbestos Structures Counted = 2 s = 23 s/mm² = 0.0046 s/cc

SAED Calibration Date ___/___/___ Mean Grid Opening Area is 0.0109 mm² NOTES: 11 / 0.0023

EDXA Calibration Date ___/___/___ Spectra Disk Identification # ___

Mag. Calibration Date ___/___/___ EM Serial Number is 156173.27

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AMA Analytical Services, Inc.

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FIBER COUNT SHEET FOR TRANSMISSION ELECTRON MICROSCOPY

Page 1 of 1

Date of Analysis 11/2/94 AMA Lab ID # E95 00002 Filter Type/Size: MCE ____mm PC ____mm

Client TRACOR Sample Number 13 Starting Time : Filter Porosity ____ µm Lot# ____

Chain of Custody # 31656 Stopping Time : Filter Manufacturer ____

Analyst WS BS TL Grid Storage Box ID # 95018 Working Mag. 15 K L.O.D./Sensitivity 46 s/mm² 0.0093 s/cc

(signed) ____ Holder # ____ Grid 2 A B Accel. Voltage 100 kV Volume of air Sampled 1900 L

Method/Type (circle): EPA Level II AHERA Other: ____ Air Water Bulk Wipe Grid Openings to Observe (AHERA) 8

Grid Opening #/Location	Structure Number	Structure Type	Length & Width (in microns)	SAED	Saved Spectrum Identification #	Elements Identified	Fiber Negative Number	SAED Negative Number	Magnification or Camera Length	
1 U-5 ☒	NSD		:						K	cm
2 G-1 ☒	NSD		:						K	cm
3 K-1 ☒	NSD		:						K	cm
4 U-6 ☒	NSD		:						K	cm
5 H-1	NSD		:						K	cm
6 K-2	NSD		:						K	cm
7 U-6	NSD		:						K	cm
8 U-6	1	B	4.40 0.20	Bo	CHRY				K	cm
9 G-6	A		:						K	cm
			:						K	cm
			:						K	cm
			:						K	cm
			:						K	cm
			:						K	cm
			:						K	cm

LEGEND: NSD = No Structures Detected F = Fiber B = Bundle C = Cluster M = Matrix UTO = Unable to Obtain ☒ = 2nd Grid

Total # of Grid Openings Observed 8 = 0.087 mm² # of Structures Counted: 1

Asbestos Type: CHRYSOTILE 1 s < 5µm + ____ s ≥ 5µm = 11 s/mm² = 0.0023 s/cc

Asbestos Type: ____ ____ s < 5µm + ____ s ≥ 5µm = ____ s/mm² = ____ s/cc

Non-Asbestos Type: ____ ____ s < 5µm + ____ s ≥ 5µm = ____ s/mm² = ____ s/cc

Total Asbestos Structures Counted = 1 s = 11 s/mm² = 0.0023 s/cc

SAED Calibration Date ___/___/___ Mean Grid Opening Area is 0.0 109 mm² NOTES: ____

EDXA Calibration Date ___/___/___ Spectra Disk Identification # ____

Mag. Calibration Date ___/___/___ EM Serial Number is T56143-27

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FIBER COUNT SHEET FOR TRANSMISSION ELECTRON MICROSCOPY

Date of Analysis 10/2/94 AMA Lab ID # EA-06003 Filter Type/Size: MCE 25mm PC ___ mm

Client TRACOR Sample Number 14 Starting Time : Filter Porosity ND µm Lot# ND

Chain of Custody # 31656 Stopping Time : Filter Manufacturer ND

Analyst Luis Bustillo Grid Storage Box ID # 95018 Working Mag. 15 K (C.O.D.) Sensitivity 31 s/mm² 0.0098 s/cc

(signed) ___ Holder # ___ Grid 3/AB Accel. Voltage 100 kV Volume of air Sampled 1200 L

Method/Type (circle): EPA Level II AHERA Other: ___ Air Water Bulk Wipe Grid Openings to Observe (AHERA) 12

Grid Opening #/Location	Structure Number	Structure Type	Length & Width (in microns)	SAED	Saved Spectrum Identification #	Elements Identified	Fiber Negative Number	SAED Negative Number	Magnification or Camera Length	
1 K-1	NSD		:						K	cm
2 I-1	NSD		:						K	cm
3 G-1	NSD		:						K	cm
4 F-1	NSD		:						K	cm
5 V-6	NSD		:						K	cm
6 Y-6	NSD		:						K	cm
7 G-1 X	NSD		:						K	cm
8 I-1 X	NSD		:						K	cm
9 K-2 X	NSD		:						K	cm
10 Z-3 X	NSD		:						K	cm
11 X-3 X	NSD		:						K	cm
12 U6 X	NSD		:						K	cm
			:						K	cm
			:						K	cm
			:						K	cm

LEGEND: NSD = No Structures Detected F = Fiber B = Bundle C = Cluster M = Matrix UTO = Unable to Obtain ☒ = 2nd Grid

Total # of Grid Openings Observed 12 = 0.131 mm² # of Structures Counted: 0

Asbestos Type: ___ ___ s < 5µm + ___ s ≥ 5µm = ___ s/mm² = ___ s/cc

Asbestos Type: ___ ___ s < 5µm + ___ s ≥ 5µm = ___ s/mm² = ___ s/cc

Non-Asbestos Type: ___ 0 s < 5µm + 0 s ≥ 5µm = 0 s/mm² = 0 s/cc

Total Asbestos Structures Counted = 0 s = 0 s/mm² = 0 s/cc

SAED Calibration Date ___/___/___ Mean Grid Opening Area is 0.0109 mm² NOTES: 8/0.0024

EDXA Calibration Date ___/___/___ Spectra Disk Identification # ___

Mag. Calibration Date ___/___/___ EM Serial Number is 156143-27

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FIBER COUNT SHEET FOR TRANSMISSION ELECTRON MICROSCOPY

Page 1 of 1

Date of Analysis 11/2/94 AMA Lab ID # E95-00004 Filter Type/Size: MCE 25 mm PC ___ mm

Client TRACOR Sample Number 15 Starting Time : Filter Porosity NP µm Lot# NP

Chain of Custody # 31656 Stopping Time : Filter Manufacturer NP

Analyst Luis Rosin Grid Storage Box ID # 95018 Working Mag. 15 K L.O.D./Sensitivity 31 s/mm² 0.008 s/cc

(signed) Holder # ___ Grid 4/AB Accel. Voltage 100 kV Volume of air Sampled 1200 L

Method/Type (circle): EPA Level II AHERA Other: ___ Air Water Bulk Wipe Grid Openings to Observe (AHERA) 12

Grid Opening #/Location	Structure Number	Structure Type	Length & Width (in microns)	SAED	Saved Spectrum Identification #	Elements Identified	Fiber Negative Number	SAED Negative Number	Magnification or Camera Length	
1 T.6 [X]	MD		:						K	cm
2 W.5 [X]	1	M	0.90:0.05	MD	CHRY				K	cm
3 Z.5 [X]	MD		:						K	cm
4 K.6 [X]	MD		:						K	cm
5 I.6 [X]	MD		:						K	cm
6 G.7 [X]	MD		:						K	cm
7 T.5 [ ]	MD		:						K	cm
8 V.6 [ ]	MD		:						K	cm
9 U.6 [ ]	MD		:						K	cm
10 T.6 [ ]	MD		:						K	cm
11 H.2 [ ]	MD		:						K	cm
12 F.6 [ ]	MD		:						K	cm
[ ]			:						K	cm
[ ]			:						K	cm
[ ]			:						K	cm

LEGEND: NSO = No Structures Detected F = Fiber B = Bundle C = Cluster M = Matrix UTO = Unable to Obtain [X] = 2nd Grid

Total # of Grid Openings Observed 12 = 0.131 mm² # of Structures Counted: 1

Asbestos Type: CHRYSOTILE 1 s < 5µm + 0 s ≥ 5µm = 0 s/mm² = 0.0024 s/cc

Asbestos Type: ___ ___ s < 5µm + ___ s ≥ 5µm = ___ s/mm² = ___ s/cc

Non-Asbestos Type: ___ ___ s < 5µm + ___ s ≥ 5µm = ___ s/mm² = ___ s/cc

Total Asbestos Structures Counted = 1 s = 0 s/mm² = 0.0024 s/cc

SAED Calibration Date ___/___/___ Mean Grid Opening Area is 0.0 109 mm² NOTES: ___

EDXA Calibration Date ___/___/___ Spectra Disk Identification # ___

Mag. Calibration Date ___/___/___ EM Serial Number is 156143-27

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APPENDIX C

CHAIN OF CUSTODY FORMS

FIELD DATA SHEETS

AMA Analytical Services, Inc.

AIHA (#8863) NVLAP (#1143) NY ELAP (10920)
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) 31656

MAILING ADDRESS:

1. Submittal Date: 11-1-94 Job Name/location: NEOB
2. Client Name: TRACOR TECHNOLOGY Inc. Job #: 6486-012 P.O. #:
3. Street/RFD/P.O. Box: 1601 Research Blvd. Bill To: Tracor
4. City, State, Zip: Rockville, MD 20850 Phone #: 301-251-4911 Fax:
5. Contact Person: Scott Dunn Submitted By: (Print) (Signature)
6. **DATE & TIME RESULTS REQUIRED:** 11/2/94, Time: 1000 AM/PM ☐ IMMED. ☒ 24HR ☐ 48HR ☐ 72HR ☐ 5-DAY OTHER(Specify):

SAMPLE DATA:

1. Analysis Type: ☒ Asbestos ☐ Lead ☐ NOB - Whole (PLM/TEM) ☐ NOB Res. Ash (TEM) ☐ Other(Specify)
2. Total Number Of Samples : TEM 4 PCM PLM LEAD OTHER(Specify)
3. ELECTRON MICROSCOPY SAMPLES:
   A. Filter Type: PC ☐ MCE ☐ B. Porosity: Micron C. Diameter: ☐ 37mm ☐ 25mm
4. Release Critera/Analytical Sensitivity: 0.010 f/cc ☐ 0.005 f/cc ☐ AHERA ☐ % ASBESTOS ☐ S\FT² ☐ 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
	T95-0001													
	T95-0004													

REPORTING DATA:

1. Verbal Results To Whom? Name: Phone: Beeper:
2. Date Written Results Required / /

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 10/1/94 @ 1000 Via: Fed/Exp By(Print): K Wilkins Sign: K Wilkins
2. Date/Time Analyzed: 11/2/94 @ 955 By(Print): L. Busilla Sign:
3. Results Reported To: SCOTT DUNN Via: FAX Date: 11/2/94 Time: 956 Initials: LB
4. Comments:

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

11/17/94

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
648601201	236194	1	11/15/94	OUT	< 0.007
648601201	236294	2	11/15/94	OUT	< 0.010

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

Tracor Technology Resources — **Air Sample Sheet**

Project # 6486-072

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	236194	01		3.0	3.0	3.0	2005	2405	240	720	2.5	100	—	2.5	<0.01
A	Notes: BACK VAULT ROOM (RM. B-206)														
B	236294	02		2.0	2.0	2.0	2010	2410	240	480	0	100	—	0	<0.01
B	Notes: BACK VAULT ROOM (RM. B-202)														
C															
C	Notes:														
D															
D	Notes:														

Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

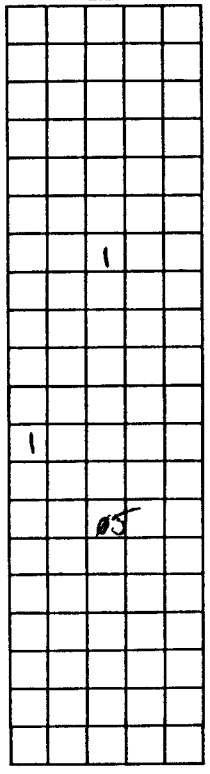
Filter Size ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

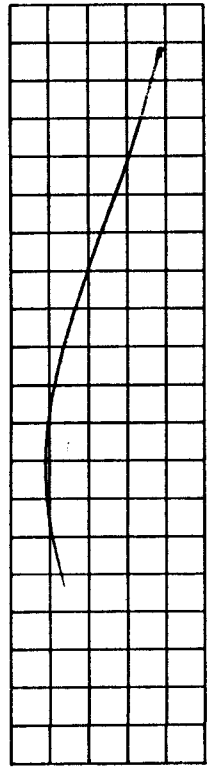
Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

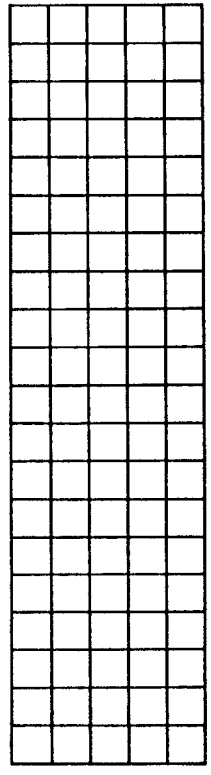
A



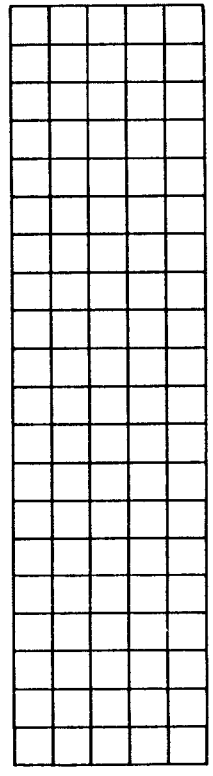
B



C



D



SCOTT DUNN — FIELD TECH. — 10/15/94 DATE

DUNN — ANALYST — 11/10/94 DATE

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building Project: HEPA Vacuum Removal

Location: Level 1B - "Vault (B112) Date: 11/15/94

Removal Contractor: RETRO Time Inspected: 2000

Monitoring Contractor: TRACOR Time Work Started: 2200

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"	Pressure Not measured	
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.	N/A	HEPA Vacuum
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: _____

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: HEPA Vacuuming

Location: P Level 1B - Vault (B112) Date: 11/15/94

Removal Contractor: Retro Time Started: 1900

Monitoring Contractor: ITR Time Stopped: 1230

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. GLOVE BAG PROJ	N/A	
	d. Seals around ducts, windows and doors	N/A →	portable decon see ~~field notes~~ on description
	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.	✓	
	b. Removed Material Promptly Bagged.	HEPA VACUUMED	
	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."

Report Prepared By: Scott Dunn Date: 11/15/84

Page # 1

LOG SHEET

Date: 15 NOVEMBER 1994

Project Number: 6486-010

Industrial Hygienist: SCOTT DUNN

Abatement Contractor/Supervisor: ~~[illegible]~~ RON TUB. / RETRO ENVIRONMENTAL

Time	Remarks
1900	TTR and RETRO check in w/ Secret Service to access the building. Retro has 3 workers and a supervisor.
2000	Retro begins setting up a one one stage decon unit which will have a negative air machine attached to it and an extension on the top which is pre-and retracted by workers moving the arms with poly attached. Work is performed in B112 Vault Room next to Elevator Lobby
2030	work is about to begin. Herb Pankey arrives and Retro decides to take lunch. TTR leaves job site to pick up equipment.
2145	TTR arrives back at site. Work has not started
2200	The 3 Retro workers begin w/ the removal of spots in the spray-on insulation in the B112 Vault by way of a HEPA vacuum. Once the area is vacuumed the workers encapsulate the removal area and the surrounding area.
2230	Workers have completed five areas
2300	Workers completed work for tonight. Will analyze air samples at 1205 and 1210
2410	Samples collected
2430	Analysis complete air sample concentrations are both less than 0.01 f/cc

TRACER TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	RESULT
6486012A	262094	1	11/16/94	FIN	< 0.005
6486012A	262194	2	11/16/94	FIN	< 0.005
6486012A	262294	3	11/16/94	FIN	< 0.005
6486012A	262394	4	11/16/94	FIN	< 0.005
6486012A	262494	5	11/16/94	FIN	< 0.005
6486012A	262594	6	11/16/94	FIN	< 0.005
6486012A	262694	7	11/16/94	OUT	BLANK= 0.00
6486012A	262794	8	11/16/94	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 A. EDWARDS
LABORATORY MANAGER

Tracor Technology Resources — **Air Sample Sheet**

Project # 648601 2A

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	262094	01	L-1	10	10	10	1935	2110	95	950	3.5	100	0	3.5	<1000
A	Notes: Vault Rm 112 North Side Below Mini Cont. (working) Running Final														
B	262194	02	L-2	10	10	10	1935	2110	95	950	6.5	100	0	6.5	<1000
B	Notes: Vault Rm 112 South Side Below Mini Cont (working) Running Final														
C	262294	03	L-3	10	10	10	1935	2110	95	950	2	100	0	2	<1000
C	Notes: Vault Rm 112 East Side Below Mini Cont. Working Final														
D	262394	04	L-4	10	10	10	2105	2250	105	1050	6	100	0	6	<1000
D	Notes: ~~Test~~ Vault Room 227 N. Below Mini Cont Working Final														

Field Area: (Check One) ☐ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Filter Size ☐ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Calculations: Mean Flow = $\frac{\text{Pre + Post}}{2}$ 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

				1
1/2				
		1/2		
	1			
			1/2	

B

	1		1/2	
		1		1
			1/2	
				1
1/2				
		1/2		
	1 1/2			

C

			1	
				1/2
1 1/2				

D

1				
	1			
				1
	1/2			
	1			
			1	
				1 1/2

Gabrielski 11/16/94
FIELD TECH. DATE

Gabrielski 11/16/94
ANALYST DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 648 6012 A

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Post	Liters/Min Mean	Time (Military) On	Off	Total (Min)	Volume	Count Data Total Count	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	262994	05	91	10	10	10	2105	2250	105	1050	4	100	0	4	<.005
A	Notes: Vault Room 227 S Below Mini Cont. Working Final														
B	262594	06	91-2	10	10	10	2105	2250	105	1050	1.5	100		1.5	<.005
B	Notes: Vault Room 227 W Side Below Mini Cont. Working Final														
C	262694	07	—	—	—	—	—	—	—	→	0	100	0	0	—
C	Notes: Blank														
D	262794	08	Z-1	10	10	10	2200	2400	120	1200	8	100	0	8	<.004
D	Notes: Grow Flow Mechanical Under Mini Cont. Working Final														

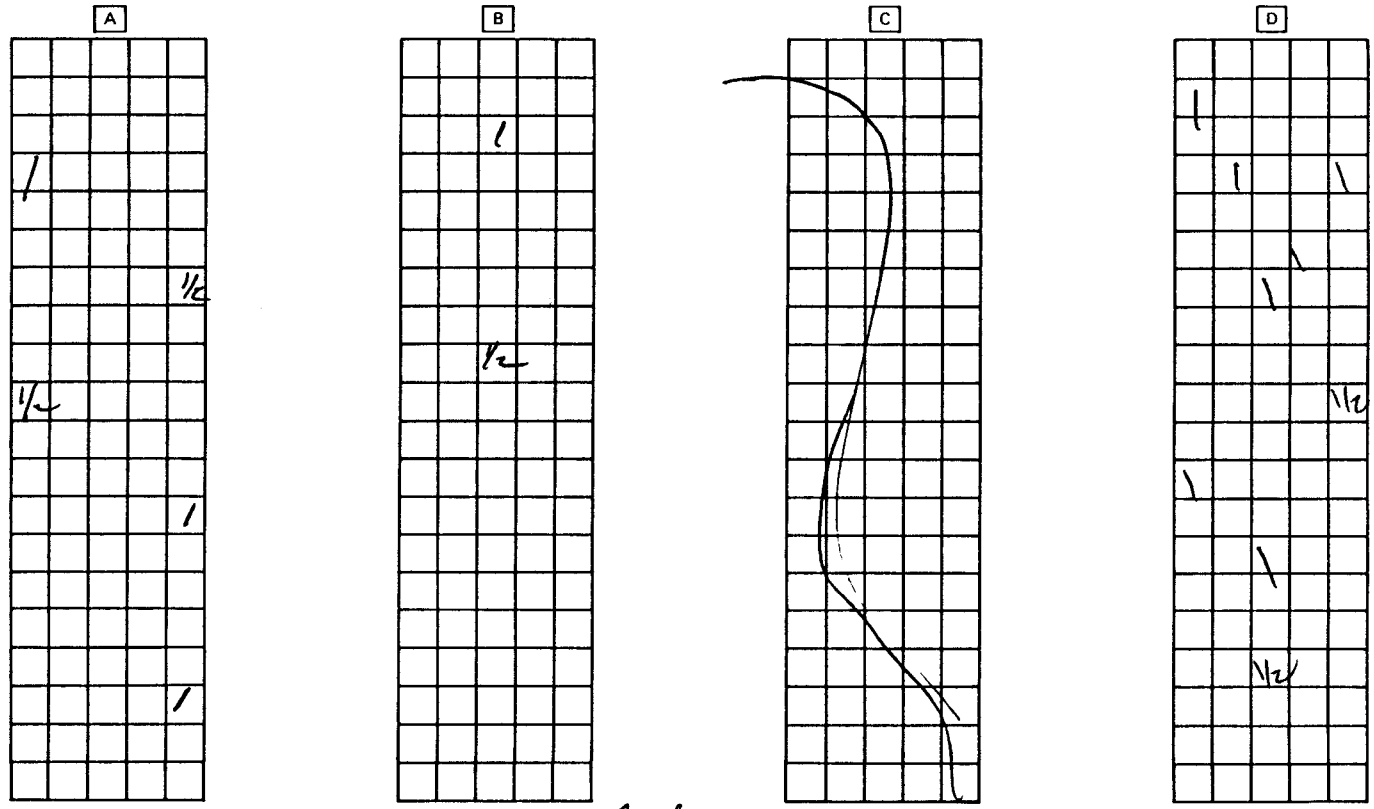
Field Area (Check One): ☑ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



Golanski 11-16-94
FIELD TECH. DATE

Golanski 11-16-94
ANALYST DATE

Page #_____

LOG SHEET

Date: 11-16-94

Project Number: 6486-012

Industrial Hygienist: Golanski

Abatement Contractor/Supervisor: RETCO / Ronnald

Time	Remarks
1900	On site crew getting equipment from the penthouse
1935	3 Running Finals set up in the Electrical Vault in Room B112
2110	Crew completed removing spots of ACM spray on from steel beams for pipe fitters to hang hangers + will move to the next Electrical vault in B227 / Set up 3 Running Finals in this area Also, Called Chris C. to let him know we would not be working here tomorrow night. Will prep + read 1st set of Running Finals
2250	Pulled 2nd set of samples to prep + read Retco working now in the 1st Floor Mechanical Room
2400	Pulled Final From Mechanical Room + Prep + Read
0120	Everything passed J.G. off site RETCO Remains to do equipment work in Penthouse no ACM removal.

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486-012A

Location: 1B Elec. Vaults & 1st Flr Mech Rm Date: 11-16-94

Removal Contractor: Retro Time Started: 1900

Monitoring Contractor: TTR Time Stopped: 0100

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~~ Mini Enclosure	✓	
	d. Seals around ducts, windows and doors	N/A	
	e. "Negative air machine" in use	✓	Microtemp Junior
	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	✓	
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	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."

Using Mini Enclosure to remove spots of sprayed on off steel beams with HEPA Vacuum.

Report Prepared By: [illegible] Date: 11-17-84

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: X/EOB Project: 6486-0121

Location: B-112 + 227 Date: 11/16/94

Removal Contractor: RETRO Time Inspected: 1935

Monitoring Contractor: TTR Time Completed: 2110

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:	01	02	03	04	05	06
Location:	112N	112 S	112E	227 W	227S	227W
Volume (Liters):	950	980	950	1050	1050	1050
Flow rate: (Liters/Minute)	10	10	10	10	10	10
Fibers/Filter:	3.5	6.5	2	6	4	1.5
Fibers/Cubic Cm:	<.005	<.005	<.005	<.005	<.005	<.005

ANALYST ANALYZING SAMPLES: Golonsiski DATE: 11-16-74

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: _____

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: XEOB Project: 6486-02

Location: 1st Floor Mech Room Date: 11-16-94

Removal Contractor: Reim Time Inspected: 2200

Monitoring Contractor: TT Time Completed: 2350

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:	08				
Location:	B-M-C.				
Volume (Liters):	1200				
Flow rate: (Liters/Minute)	10				
Fibers/Filter:	8				
Fibers/Cubic Cm:	<.004				

ANALYST ANALYZING SAMPLES: [illegible] DATE: 11/16-17/94

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: _____

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

12-01-94

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012	253994	1	11/19/94	ins	0.044
6486012	254094	2	11/19/94	out	0.007
6486012	254194	3	11/19/94	out	< 0.004
6486012	254294	4	11/19/94	out	< 0.004
6486012	254394	5	11/19/94	out	< 0.004
6486012	254494	6	11/19/94	ins	0.094
6486012	254594	7	11/19/94	out	0.007
6486012	254694	8	11/19/94	out	< 0.005
6486012	254794	9	11/19/94	out	< 0.005
6486012	254894	10	11/19/94	out	0.005
6486012	254994	11	11/19/94	out	BLANK= 1.00
6486012	255094	12	11/19/94	out	BLANK= 1.00
6486012	255194	13	11/20/94	fin	< 0.004
6486012	255294	14	11/20/94	fin	< 0.004
6486012	255394	15	11/20/94	fin	< 0.004
6486012	255494	16	11/20/94	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 L. EDWARDS
LABORATORY MANAGER

Tracor Technology Resources — Air Sample Sheet

Project # 64,816.0.1 12

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	Z53994	01	376	2.5	2.5	2.5	0515	1300	462	1155	103.5	70	—	148	0.06
A	Notes: Area Sample – inside containment														
B	Z54094	02	935	2.5	2.5	2.5	0515	1250	454	1135	16	100	—	16	0.007
B	Notes: Area sample – at Reactor entrance east lobby														
C	Z54194	03	934	2.5	2.5	2.5	0515	1250	454	1135	6	100	—	6	0.003
C	Notes: Area sample – near exit door of east lobby														
D	Z54294	04	353	2.5	2.5	2.5	0515	1250	454	1135	5	100	—	5	0.002
D	Notes: Area sample – door upon 6102														

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

3.5	3	2	3	2
1	–	3	1	4
1	2	2	1	1
–	1	.5	.5	1
1	.5	2	–	.5
1	3	2	1	1
2	1	1	0	1
1	1	.5	2	.5
2	.5	1	2	.5
1	3	2	.5	1
2	.5	1	0	1
1	2	.5	1	1
1	2	.5	.5	2
3	3	1	2	1

.5

2.5

1.35

B

.5				
		1		.5
1				
				1
		1		
.5				.5
	.5			
				1
	1			1
		1		
	.5	1		
	1	2		
			1	

C

				1
	1			
		.5		
	1			
			1	
.5				
				1

D

			1	
				.5
	1			
.5				
			1	
		1		

Barry J. Hamber 11/19/94
FIELD TECH. DATE

B. Denk 11/19/94
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	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	254394	05	2005	2.5	2.5	2.5	0915	1250	454	1135	4.5	100	–	4.5	≤.004
A	Notes: Area sample – door sign 6/12														
B	254494	06	3706	2.5	2.5	2.5	1300	1830	330	825	103.5	100	1	102.5	.094
B	Notes: Area sample – Inside barrier working														
C	254594	07	5112	2.5	2.5	2.5	1350	2000	430	1075	16.5	100	1	15.5	.007
C	Notes: Area sample – AT datum														
D	254694	08	4149	2.5	2.5	2.5	1350	2000	430	1075	6	100	1	5	≤.005
D	Notes: Area sample – East lobby at doors														

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		
1				
			.5	

103.5 / 100 = .65

B

2	1		.5	1
.5	2	2	2	2
	2			2
1	2	3	4	4
2.5	2	1.5	1.5	2
3	4	1	2	4
2	1	.5		1
2.5	2	1.5	2	1.5
1	1		2	
3	1	2	2	.5
2.5		1	3	3.5
1	2.5	1	.5	1
3.5	2	1	.5	.5

16.5 / 100

C

				1
1				
.5		.5		
1.5				
1		1		
			1	
		.5		1
		1		
		1		
		1		1
			1	
	1			
.5				
			1	

6 / 100

D

1				
				.
				.
				.
			1	
		.5		
	1			
		.5		
				.
				.
				.
		1		
		1		

B.J. Hamler 11/19/94
FIELD TECH. DATE

B. Hamler 11/19/94
ANALYST DATE

Tracor Technology Resources — Air Sample Sheet

Project # 14,810,017

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	254794	09	734	2.5	2.5	2.5	1250	2000	430	1075	10	100	1	9	≤.005
A	Notes: [illegible] - [illegible] [illegible] 6102														
B	254894	10	06	2.5	2.5	2.5	1250	2000	430	1075	12	100	1	11	.005
B	Notes: [illegible] [illegible] [illegible] 6112														
C	254994	11	—	—	—	—	—	—	—	—	1	100			
C	Notes: BLANK														
D	255094	12	—	—	—	—	—	—	—	—	1	100			
D	Notes: BLANK														

Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

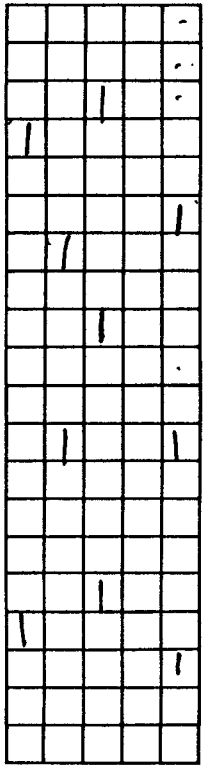
Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

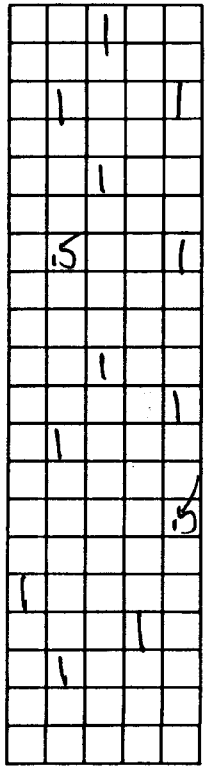
Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

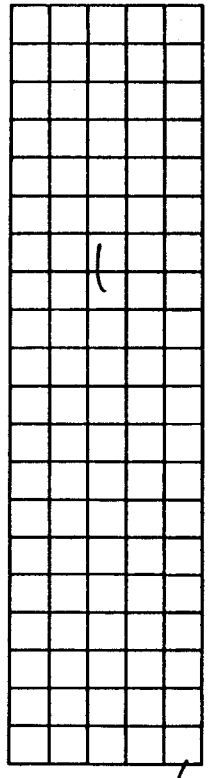
A — 10/100



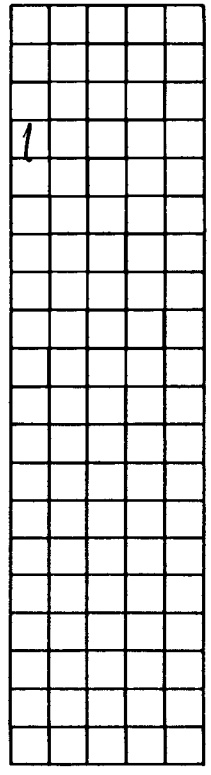
B — 12/100



C — 1/100



D — 1/100



[signature] 11/19/94
FIELD TECH. DATE

[signature] 11/19/94
ANALYST DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 648601 R

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	255194	13	7	10.0	10.0	10.0	0230	0430	120	1200	5.5	100	1	4.5	≤.004
A	Notes: FINAL AIR														
B	255294	14	6	10.0	10.0	10.0	0230	0430	120	1200	6	100	1	5	≤.004
B	Notes: FINAL AIR														
C	255394	15	24	10.0	10.0	10.0	0230	0430	120	1200	4	100	1	3	≤.004
C	Notes: FINAL AIR														
D	255494	16	13	10.0	10.0	10.0	0230	0430	120	1200	5	100	1	4	≤.004
D	Notes: FINAL AIR														

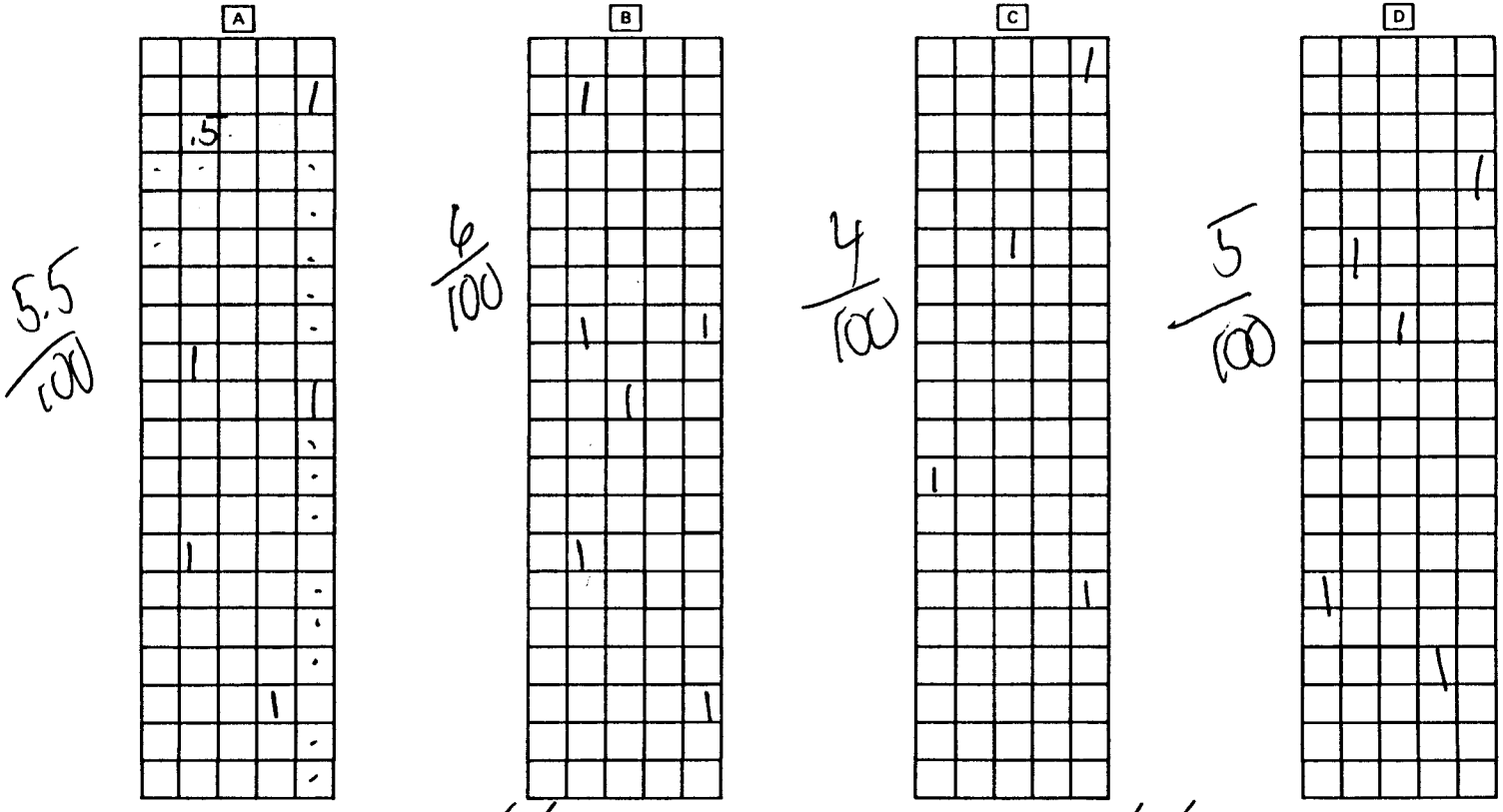
Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



[signature] 11/20/94
FIELD TECH. DATE

[signature] 11/20/94
ANALYST DATE

Page # 1

LOG SHEET

Date: 11-19-94

Project Number: Barry Dinsler

Industrial Hygienist: 6496 012

Abatement Contractor/Supervisor: Retro / Reuben

Time	Remarks
0415	On site containment construction continues Retro and
	Automatic on site will fine
0430	Turn on minutemen
0445	Begin barrier inspection for start up
0500	finish start up have 6 Fans running neg pressure -0.032
	however smoke at entrance limited air movement in
	bank and side areas Having Retro turn on side
	room fans to even pressure. Some holes in barrier
	Fixed myself and close fine shower on. Union on site
0515	Setup gauges pressure -0.052
	544 heads & 188 lights + CT Retro enters
	barrier to begin CT Removal
0630	Work continues still taking equipment in neg pressure -0.028
	All CT down and bagged
0650	Retro begin removal of CT from barrier
0715	All CT removed from barrier some dirt crushed
	bagged some asbestos Retro cleaning debris from floor at entrance
	neg pressure -0.028
0900	Work continues all fine
0900	Work continues neg pressure -0.028 all fine
1000	Pressure -0.012" Retro to turn on more fans
	Barrier inspection barrier fine few penetrations from
	outside walls some debris on floor pressure uneven.
	pressure -0.028 at entrance.
1100	Work continues neg pressure -0.024"
1200	Crew goes on lunch break

Page # 2

LOG SHEET

Date: 11-19-94

Project Number: 6486 012

Industrial Hygienist: Barry J Hendon

Abatement Contractor/Supervisor: Retro / Reeves

Time	Remarks
1245	changed to second set of pumps
1300	Meeting
1400	Samples monitored with on board continuous air
	Fine neg pressure - 0.02 traps were shut down
	have to wait fixing down Retro going on to repair
	and turn traps back on. -0.020
1430	Retro removing lights from basin -0.024 with fine
1515	Union done - light inspection with fine automatic
	continuing
1600	end of shift

Page # 3

LOG SHEET

Date: November 19th 1994 & 20th 1994

Project Number: 6486-012

Industrial Hygienist: M. BROWER

Abatement Contractor/Supervisor: RETRO/Scott, RONALD

Time	Remarks
1600	BROWER ON Site - fitters HAVE ABOUT ONE
	HOUR UNTILL Completion. ALL LIGHTS ARE
	FINISHED.
1730 -	FITTERS ARE FINISHED - HYDRO WILL GO ON
	IN A FEW MINUTES.
1745 -	Pressure TEST ON - COAKLY Installing tiles
1900 -	Retro CREW ON Site - they will TAKE PCB's
	out of light fixtures & WAIT FOR tiles to
	Be Put IN Before they FINE CLEAN THE
	CONTAINMENT
2000 -	AREA Samples off & So IS Pressure test
	tiles Continue to Go IN
2100 -	COAKLY Continues on tiles
2230 -	COAKLY Out on BREAK - ABOUT 2 MORE
	HOURS OF WORK IS Estimated Before FINE
	CLEANING.
2330 -	COAKLY Still WORKING ON CEILING tile. Retro
	IS Completed with PCB's
0100 -	COAKLY IS FINISHED with tile & Retro IS FINE
	CLEANING.
0145 -	I Do FINAL INSPECTION.
0200 -	Retro ENCAPSULATING AREA
0230 -	FINARS RUNNING
0430 -	FINARS off
0500 -	All FINARS below .01 f/cc - BROWER off
	Site

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Project: 648 012

Location: 1st Floor Date: 11/19/94

Removal Contractor: RFVO Time Inspected: _____

Monitoring Contractor: TTR Time Work Started: _____

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimetar Barrier	✓	
	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. Dumpstar, ducts, drums, and bags labelled	✓	

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST 6480-012

Building: NEOB Project: Sprinklers

Location: Lobby Date: 11.19.94

Removal Contractor: Retro Time Started: 0600

Monitoring Contractor: Tacor Time Stopped: 0700

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	NA	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure > .03"	0.028"	
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 Matarial 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 problems observed -

Report Prepared By: [signature] Date: 11-19-94

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: L4K.012

Location: 1st Floor Date: 11/19/94

Removal Contractor: RETRO Time Started: 0400

Monitoring Contractor: TTR Time Stopped: 1600

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	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."

Only in person Negative due to forgetting to turn machine back on. only dropped to -0.012

Report Prepared By: Barry J. Denker Date: 11/19/94

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB

Project: G486-012-01

Location: 1ST FLOOR

Date: 11/19/94 - 11/20/94

Removal Contractor: RETRO

Time Started: 1600 - 11/19/94

Monitoring Contractor: TEACOR

Time Stopped: 0500 - 11/20/94

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	yes	
	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 ✓	
		PAPR ___	
		TYP "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. No Eating/Drinking	yes	

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

Report Prepared By: [signature] Date: 11/19/94

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: 6486-012

Location: 1ST FLOOR Date: 11/20/1994

Removal Contractor: RETRO Time Inspected: 0145

Monitoring Contractor: TRACOR Time Completed: 0200

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~~ N/A	
	d. Ventilation Equipment.	yes	
(above eye level)	e. Horizontal surfaces.	yes	
	f. Pipes.	N/A	
	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 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:	13	14	15	16	
Location:					
Volume (Liters):	1200	1200	1200	1200	
Flow rate: (Liters/Minute)	10.0	10.0	10.0	10.0	
Fibers/Filter:	5.5	4	4	5	
Fibers/Cubic Cm:	≤.004	≤.004	≤.004	≤.004	

ANALYST ANALYZING SAMPLES: [redacted] DATE: 11/20/94

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

Report Prepared By: [redacted] Date: 11/20/94

REPORT REVIEWED BY: _____ DATE: _____

[illegible] LABORATORIES, INC.
[illegible], MARYLAND 20850

[illegible]

[illegible]

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012A	267194	1	11/29/94	FIN	< 0.005
6486012A	267294	2	11/29/94	FIN	0.006
6486012A	267394	3	11/29/94	FIN	< 0.004
6486012A	267494	4	11/29/94	FIN	< 0.004
6486012A	267594	5	11/29/94	OUT	BLANK= 0.00
6486012A	267694	6	11/29/94	OUT	BLANK= 0.00
6486012A	267794	1	11/30/94	FIN	< 0.006
6486012A	267894	2	11/30/94	FIN	< 0.006
6486012A	267994	3	11/30/94	FIN	< 0.006
6486012A	268094	4	11/30/94	FIN	< 0.006
6486012A	268194	5	11/30/94	FIN	< 0.006
6486012A	268294	6	11/30/94	FIN	0.008
6486012A	268394	7	11/30/94	OUT	BLANK= 0.00
6486012A	268494	8	11/30/94	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

Tracor Technology Resources — **Air Sample Sheet**

Project # 6,4,8,6,0,1,2,A

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	267194	01	5	2.5	2.5	2.5	1930	0200	390	975	9.5	100	0	9.5	<.005
A	Notes: NE Corner 1st Floor Lobby Balcony Running Final														
B	267294	02	3	2.5	2.5	2.5	1930	0200	390	975	12	100	0	12	<.005
B	Notes: SE Corner 1st Floor Lobby Balcony Running Final														
C	267394	03	1	2.5	2.5	2.5	1930	0430	540	1350	4.5	100	0	4.5	<.005
C	Notes: NW Corner 1st Floor Lobby Balcony Running Final														
D	267494	04	2	2.5	2.5	2.5	1930	0430	540	1350	6	100	0	6	<.005
D	Notes: SW Corner 1st Floor Lobby Balcony Running Final														

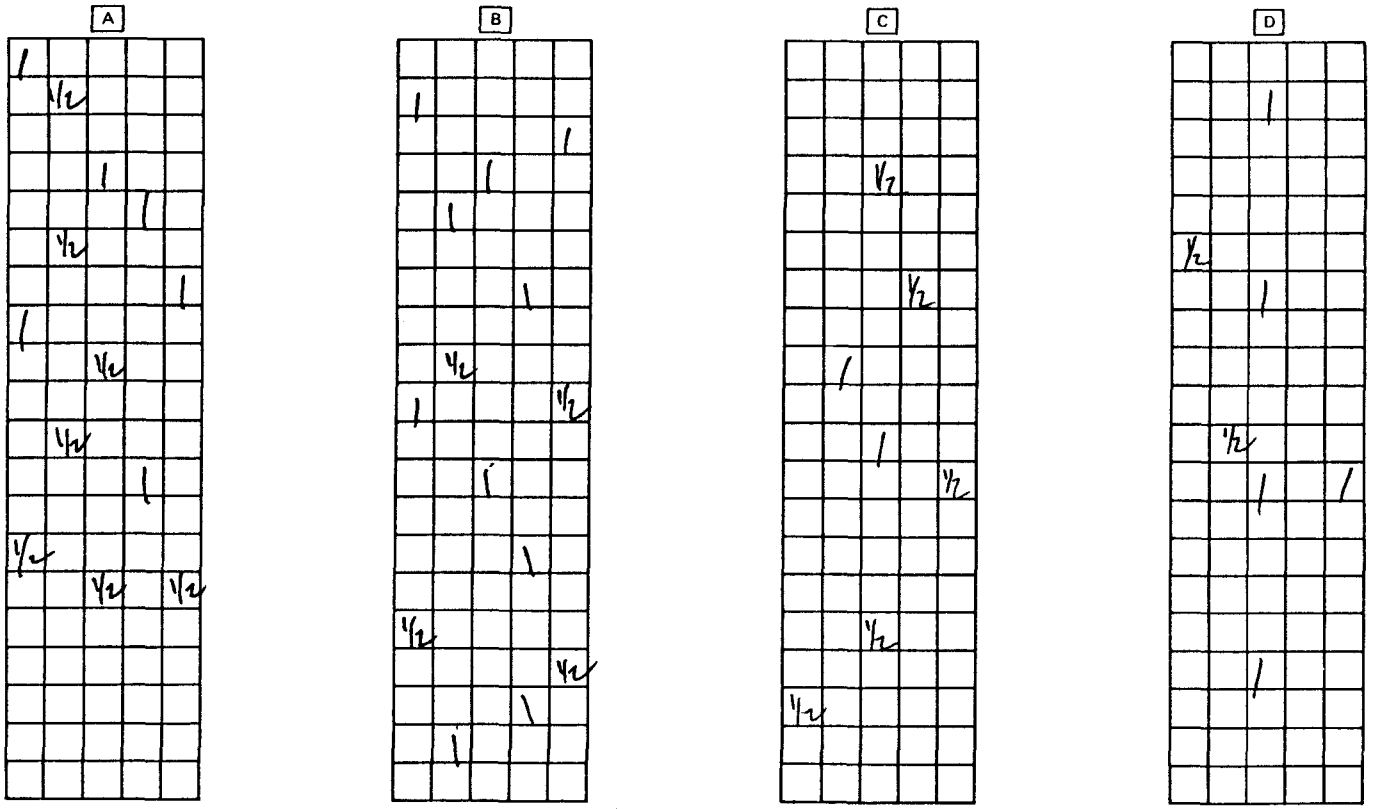
Field Area (Check One): ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{\text{(Net Count/100) x Filter Area}}{\text{Field Area x Volume x 1000}}$



Golomsieski 11-29-94
FIELD TECH. DATE

Golomsieski 11/29-30/94
ANALYST DATE

Tracor Technology Resources — Air Sample Sheet

Project # 6,4,8,6,0,1,2,A

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	267594	05									0	100	0	0	—
A	Notes: Blank														
B	267694	06									0	100	0	0	—
B	Notes: Blank														
C															
C	Notes:														
D															
D	Notes:														

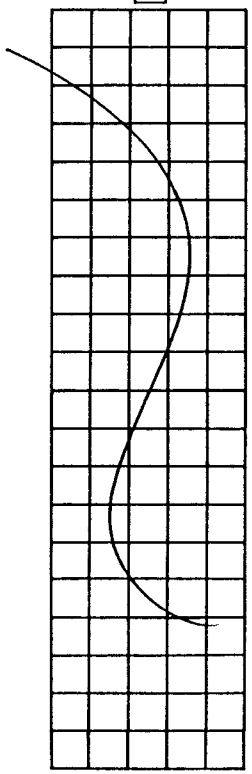
Field Area: (Check One) ☐ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Filter Size ☐ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

Calculations: Mean Flow = $\frac{\text{Pre + Post}}{2}$ 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 = $\frac{\text{(Net Count/100) x Filter Area}}{\text{Field Area x Volume x 1000}}$

A



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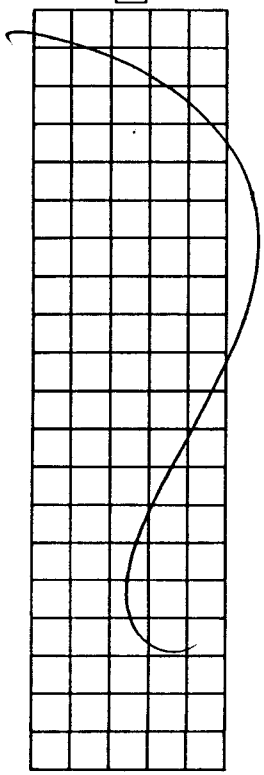

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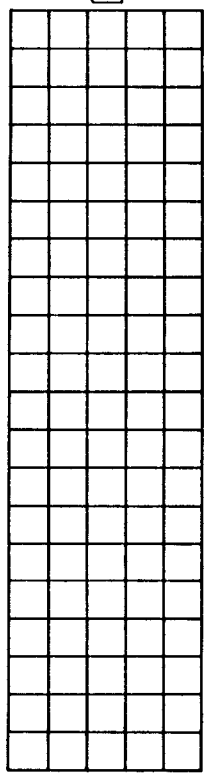

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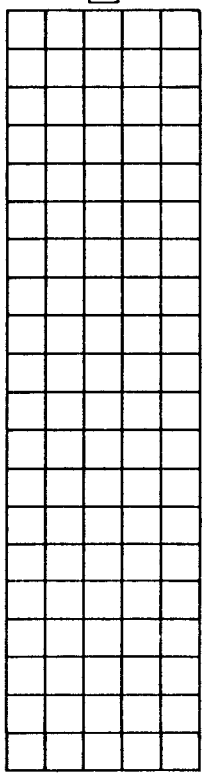


Gabriel Sieski 11-29-94
FIELD TECH. DATE

Gabriel Sieski 11/29-30/94
ANALYST DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 6486012A

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	267794	01	L-1	10	10	10	1940	2100	80	800	7.5	100	0	7.5	<1006
A	Notes: West End Electrical Vault B-112 Running Final														
B	267894	02	L-2	10	10	10	1940	2100	80	800	5.5	100	0	5.5	<1006
B	Notes: West End Electrical Vault B-112 Running Final														
C	267994	03	L-1	10	10	10	2105	2230	85	850	5	100	0	5	<1006
C	Notes: East End E.V. B-112 Running Final														
D	268094	04	L-2	10	10	10	2105	2230	85	850	3.5	100	0	3.5	<1006
D	Notes: East End E.V. B-112 Running Final														

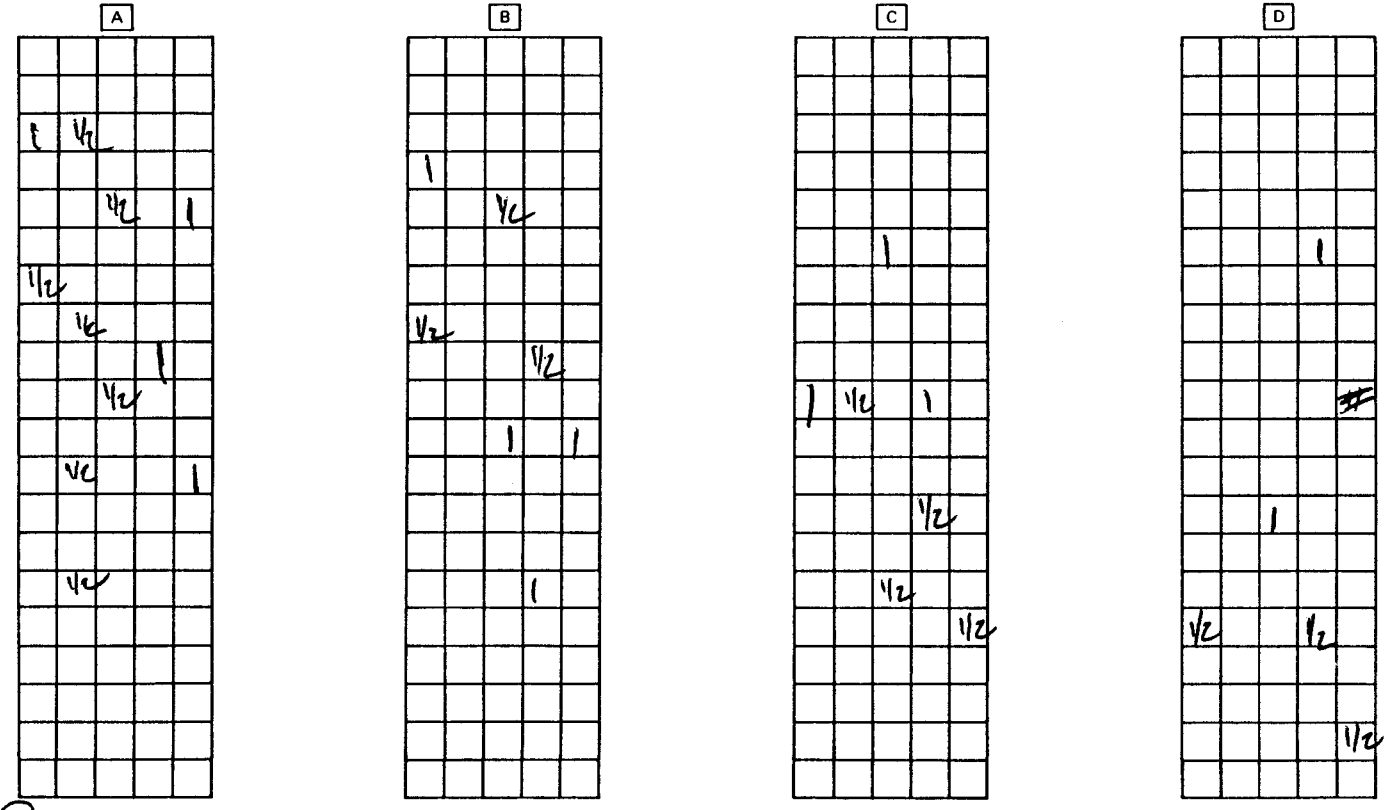
Field Area (Check One): ☑ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



Golombiewski 11-30-94
FIELD TECH. DATE

Golombiewski 11-30-94
ANALYST DATE

Tracor Technology Resources — Air Sample Sheet

Project # 648601 2A

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Post	Mean (Liters/Min)	Time (Military) On	Off	Total (Min)	Volume	Count Data: Total Count	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	268194	05	L-1	10	10	10	2235	2400	85	850	4.5	100	0	4.5	<.006
A	Notes: West Side Electrical Vault B-227														
B	268294	06	L-2	10	10	10	2235	2400	85	850	13.5	100	0	13.5	.008
B	Notes: East Side Electrical Vault B-227														
C	268394	07	→							→	0	100	0	0	—
C	Notes: Blank														
D	268494	08	→							→	0	100	0	0	—
D	Notes: Blank														

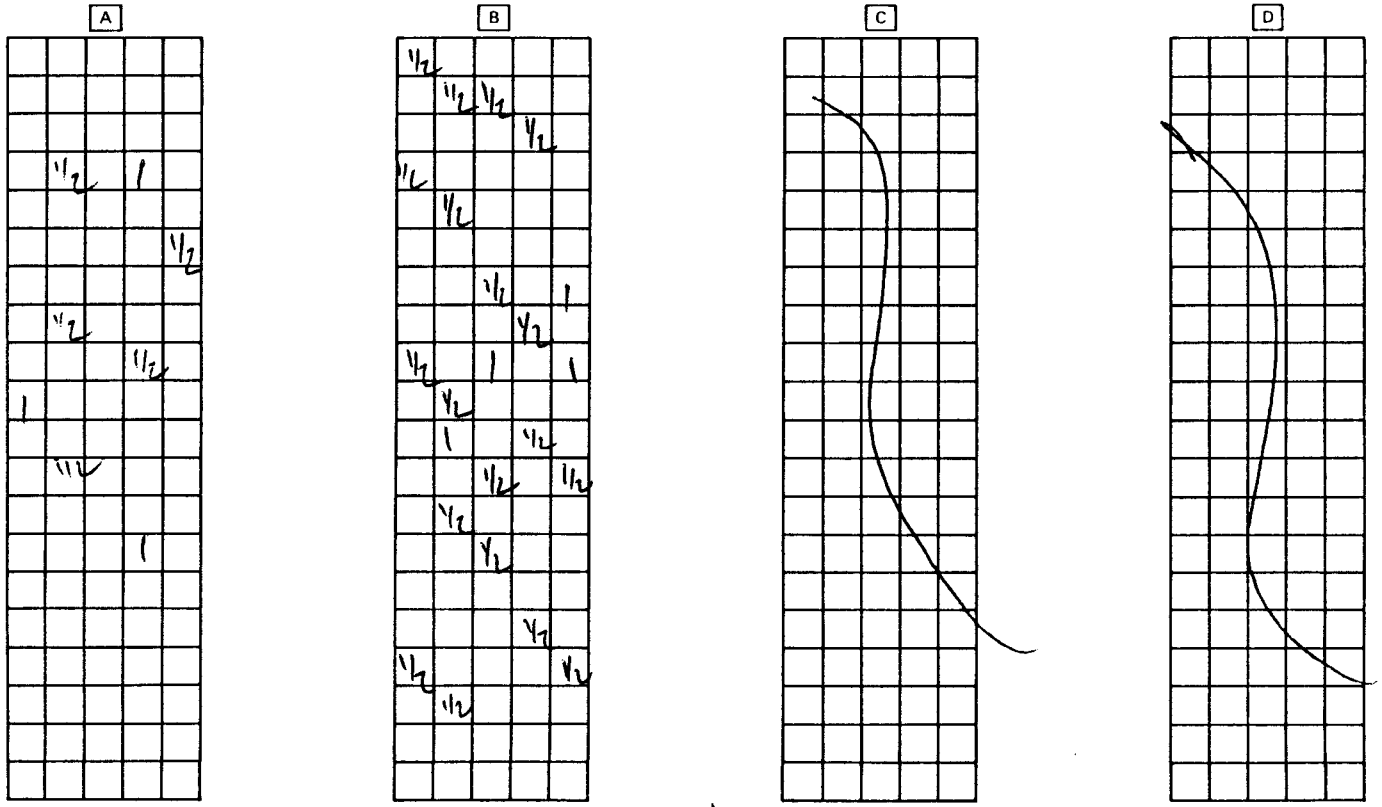
Field Area (Check One): ☑ .00785 ☐ .00801 ☐ .00754 ☐ .00817 ☐ .00724

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



Golomsieski 11/30/94
FIELD TECH. DATE

Golomsieski 11-30-94
ANALYST DATE

Exhibit B

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Project: 6486-012

Location: 1st Floor Lobbies Date: 11-29-94

Removal Contractor: Retro Time Inspected: 1900

Monitoring Contractor: TTR Time Work Started: 0530

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.	✓	
	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?	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."

Mini Containments / Glove bags

Drilling holes for sprinkler heads

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Golombiewski Date: 11/29-30/94

Exhibit B

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB

Project: 6486-012 A

Location: B112+B227 Electrical Units

Date: 11/30/94

Removal Contractor: Rbo

Time Inspected: 1900

Monitoring Contractor: TM

Time Work Started:

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	N/A	
	b. Decontamination Curtains	✓	
	c. Seals around ducts, windows and doors	✓	
	d. Vertical and Horizontal Openings	✓	
	e. "Microtrap" in use	✓	
	f. Negative pressure > .02"	N/A	
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	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 Containment Portable
Sucking spots

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: [illegible] Date: 11/30/90

Page # 1

LOG SHEET

Date: 11-29-94

Project Number: 6486-012

Industrial Hygienist: Golumbieski

Abatement Contractor/Supervisor: Retro / Ronald

Time	Remarks
1900	On site Retro waiting for Automatic to arrive
1930	I set up 4 areas. Spoke w/ Bob Reason's & he said to just use the areas as running finals. He also told me that there will be two areas & twice as many samples will need to be conducted this weekend. Retro setting up mini containments on the 2nd Floor & set approximately 14 sprinkler heads in the East & West 1st Floor Lobbies.
~~1830~~ 2030	1 mini cont built
~~2030~~ 2130	6 bags hung & holes drilled / fitters take break
~~2130~~ 2230	fitters finally start setting heads
2330	Fitters have 2 head set both containments are completed
0100	Automatic completed the East Lobby & moving to the West Lobby
0200	I pulled the running finals from the East Lobby
0215	Automatic taking another break
0230	East area samples were ≤ 0.01 f/cc
0315	Automatic back to work have 6 heads that need to be set in this area.
0430	Pipe fitter wrapping up I pulled the two running finals from the West Lobby area & will prep & read
0500	Sample read & samples are ≥ 0.01 f/cc
0530	off site

Page # 1

LOG SHEET

Date: 11-30-94

Project Number: 6486-0121

Industrial Hygienist: Gulas Sosk

Abatement Contractor/Supervisor: RETRO - Ronald

Time	Remarks
1700	On site
1930	Retro preparing portable containment to suck
	spots in the B7 Electrical Vault
1940	2 Running Funds in the west end of B112
2100	Pulled Running Samples from the west end & set up
	the East end Retro moving to East side.
2210	Retro finish w/ the east side B-112
	all on Board
2230	Pulled East side running funds & set up
	running funds in the B-227 Electrical Vault
230	Reading 2 sets of running funds
2330	Retro done sucking spots in B-227
2400	Pulled samples to prep & read
0100	Everything passed ≤ 0.01 f/cc off site

[illegible]

[illegible]

[illegible]

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012A	264494	1	12/03/94	OUT	BLANK= 0.00
6486012A	264594	2	12/03/94	OUT	BLANK= 0.00
6486012A	264694	3	12/03/94	OUT	< 0.004
6486012A	264794	4	12/03/94	OUT	< 0.004
6486012A	264894	5	12/03/94	OUT	< 0.004
6486012A	264994	6	12/03/94	INS	OVERLOADED
6486012A	265094	7	12/03/94	OUT	0.015
6486012A	265194	8	12/03/94	OUT	OVERLOADED
6486012A	265294	9	12/03/94	INS	OVERLOADED
6486012A	265394	10	12/03/94	OUT	< 0.004
6486012A	265494	11	12/03/94	OUT	< 0.004
6486012A	265594	12	12/03/94	OUT	< 0.004
6486012A	265694	13	12/03/94	INS	0.013
6486012A	265794	14	12/03/94	OUT	< 0.005
6486012A	265894	15	12/03/94	OUT	< 0.005
6486012A	265994	16	12/03/94	OUT	< 0.005
6486012A	266094	17	12/03/94	INS	OVERLOADED
6486012A	266194	18	12/03/94	OUT	< 0.004
6486012A	266294	19	12/03/94	OUT	< 0.003
6486012A	266394	20	12/03/94	OUT	< 0.003
6486012A	266494	21	12/03/94	OUT	< 0.003
6486012A	266594	22	12/03/94	FIN	< 0.004
6486012A	266694	23	12/03/94	FIN	< 0.004
6486012A	266794	24	12/03/94	FIN	0.005
6486012A	266894	25	12/04/94	FIN	< 0.004
6486012A	266994	26	12/04/94	FIN	< 0.004
6486012A	267094	27	12/04/94	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 L. EDWARDS
LABORATORY MANAGER

Tracor Technology Resources | **Air Sample Sheet**

Project # 648612A

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	264494	01	—	—	—	—	—	—	—	→	0	100	—	0	—
A	Notes: Blank														
B	264594	02	—	—	—	—	—	—	—	→	0	100	—	0	—
B	Notes: Blank														
C	264694	03	3	2.5	2.5	2.5	0515	1253	458	1145	1.5	100	0	1.5	0.0006
C	Notes: NE 2nd Floor Balcony Critical Area														
D	264744	04	5	2.5	2.5	2.5	0515	1251	455	1138	.5	100	0	.5	0.0002
D	Notes: SE 2nd Floor Balcony Critical Area														

Field Area (Check One): ☑ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

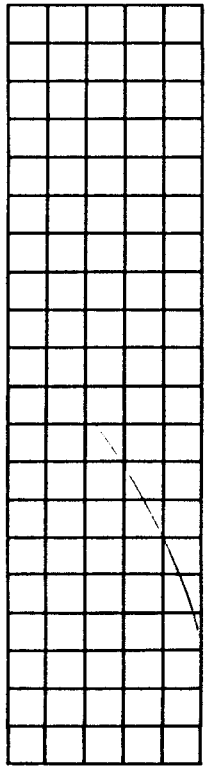
Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

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



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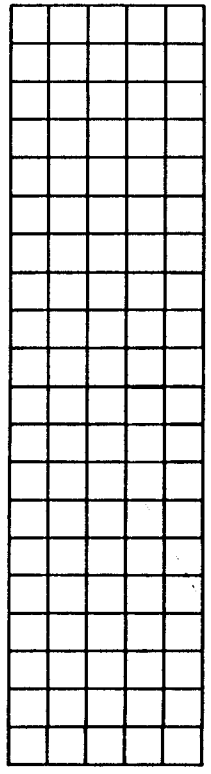

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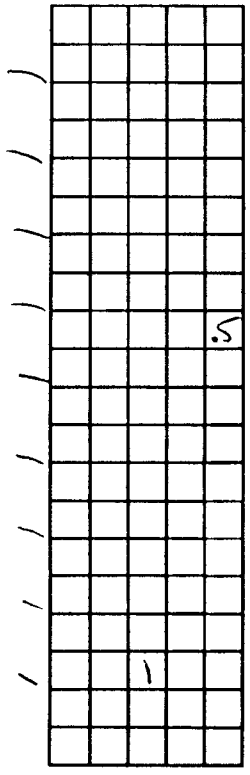

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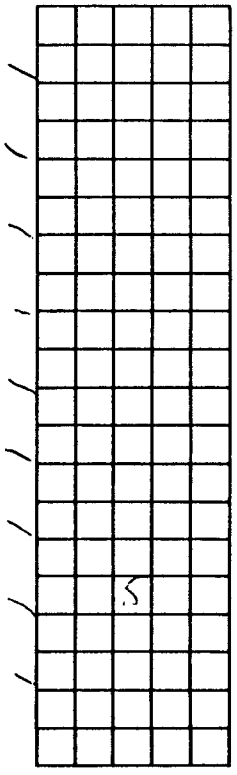


Golomsieski 12-3-94
FIELD TECH. DATE

B Hendr 12/3/94
ANALYST DATE

Tracor Technology Resources | **Air Sample Sheet**

Project # 6,4,8,6,0,1,2,A

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	264894	05	6	2.5	2.5	2.5	0510	1315	484	1210	8	100	0	8	0.003
A	Notes: Exit of Control Room Containment AREA														
B	264994	06	7	2.5	2.5	2.5	0516	1310	480	1200	—	—	0	OVER	LOADED
B	Notes: Inside East Containment Inside Sample														
C	265094	07	9	2.5	2.5	2.5	0510	1259	470	1175	36	100	0	36	0.015
C	Notes: Top of Decon Exit East Cont. AREA														
D	265194	08	12	2.5	2.5	2.5	0510	1259	470	1175	—	—	0	OVERLOADED	
D	Notes: Bathroom NE of East Cont. AREA														

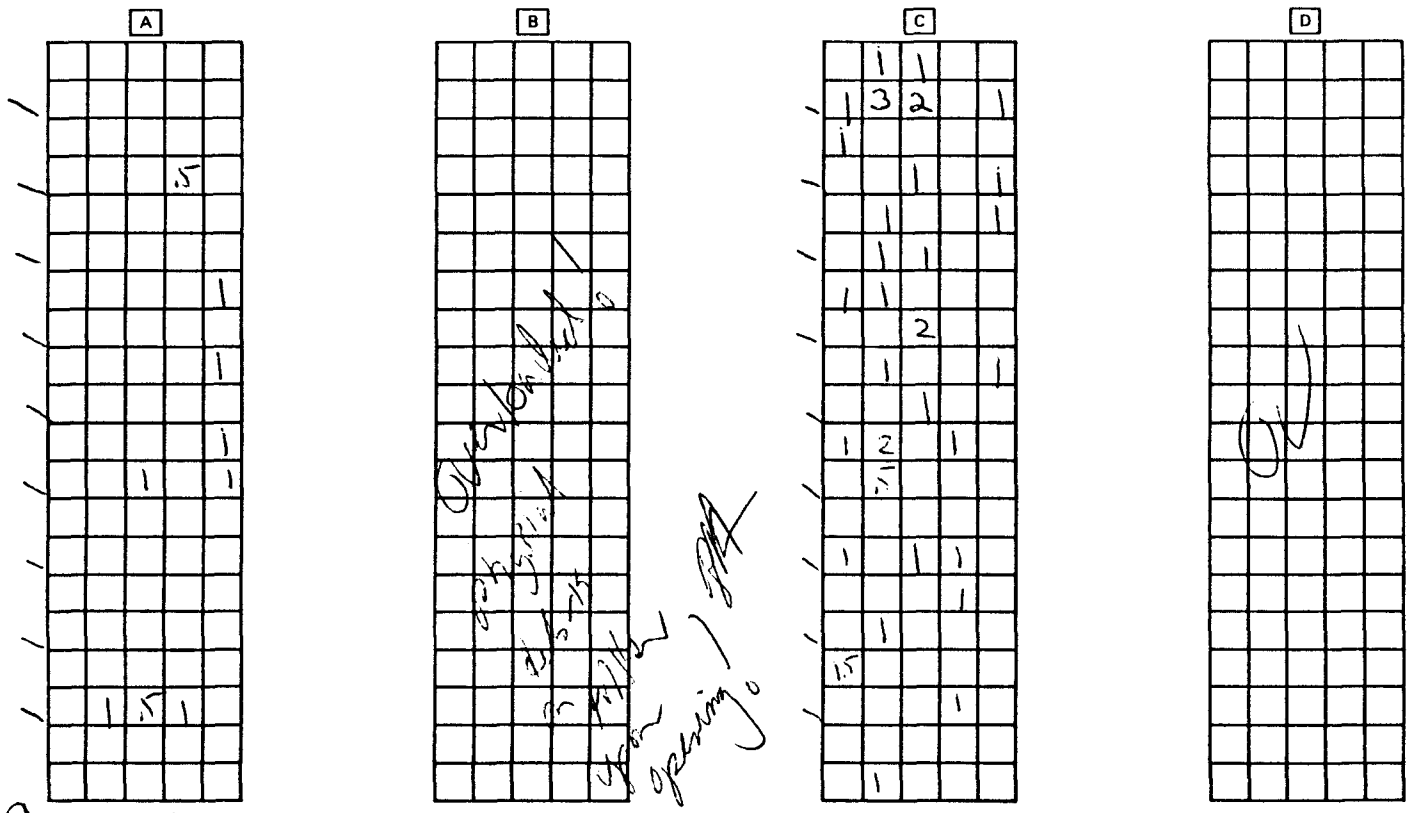
Field Area: (Check One) ☑ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{\text{(Net Count/100) x Filter Area}}{\text{Field Area x Volume x 1000}}$



Golonsieski 12-3-94
FIELD TECH. DATE

B Hendler 12/3/94
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	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	265294	09	14	2.5	2.5	2.5	0340	1325	535	1463	—	—	0	[illegible]	
A	Notes: Pressure Containment (to Right) Rm 202 Inside														
B	265394	10	15	2.5	2.5	2.5	0340	1255	555	1388	2	100	0	2	0.0007
B	Notes: Stairwell #1 Trap Exhaust (Control Rm Cont.) Area														
C	265494	11	16	2.5	2.5	2.5	0510	1316	485	1213	4.5	100	0	4.5	0.0018 ≤.004
C	Notes: West Side of Control Room Area														
D	265594	12	18	2.5	2.5	2.5	0510	1316	485	1213	8	100	0	8	0.003 ≤.004
D	Notes: N East Side of Control Room Area														

0.01

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

			1	
	1			

C

				.5
		.5	1	
	.5			
				.5
.5				
			1	

D

		1		
		1		
			1	
				1
				1
		1		
	1			
			1	

Gordon Sieski 12-3-84
FIELD TECH. DATE

B. [illegible] 12/3/84
ANALYST DATE

Tracor Technology Resources — Air Sample Sheet

Project # 64,8,6,0,1,2,

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	265694	13	10	2.5	2.5	2.5	810	1915	365	912.5	25	100	0	25	0.13
A	Notes: Inside East Containment - working														
B	265794	14	9	2.5	2.5	2.5	1300	1928	388	970	9.5	100	0	9.5	±.005
B	Notes: outside east containment - working														
C	265894	15	17	2.5	2.5	2.5	1300	1950	410	1025	7.5	100	0	7.5	±.005
C	Notes: outside east - inside bathroom ground floor men's														
D	265994	16	19	2.5	2.5	2.5	1352	1950	418	1045	0	100	0	0	±.005
D	Notes: outside east - East balcony														

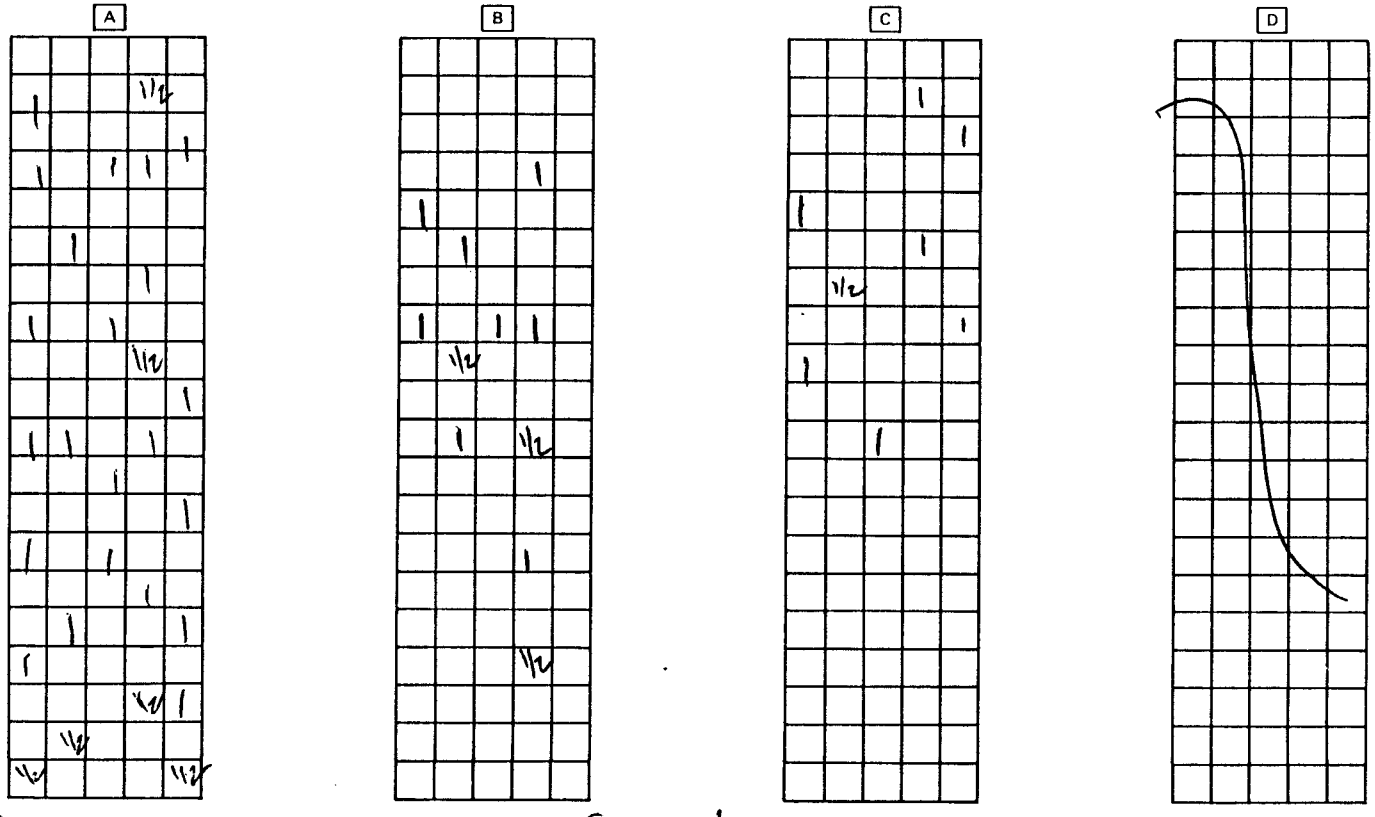
Field Area: (Check One) ~~☐ .00785~~ ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



B Hamler 12/3/94
FIELD TECH. DATE

Colon Gesti 12-3-94
ANALYST DATE

Tracor Technology Resources — Air Sample Sheet

Project # 4486.012

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	266094	17	20	2.5	2.5	2.5	1325	2155	570	1425					(overload)
A	Notes: Inside control room barrier - working														
B	266194	18	16	2.5	2.5	2.5	1317	2135	558	1395	3	100	0	3	<100 3
B	Notes: outside control rm barrier at decon - guard's desk														
C	266294	19	22	2.5	2.5	2.5	1318	2310	608	1520	4.5	100	0	4.5	<100 3
C	Notes: Control room														
D	266394	20	15	2.5	2.5	2.5	1318	2310	608	1520	3.5	100	0	3.5	<100 3
D	Notes: Control room														

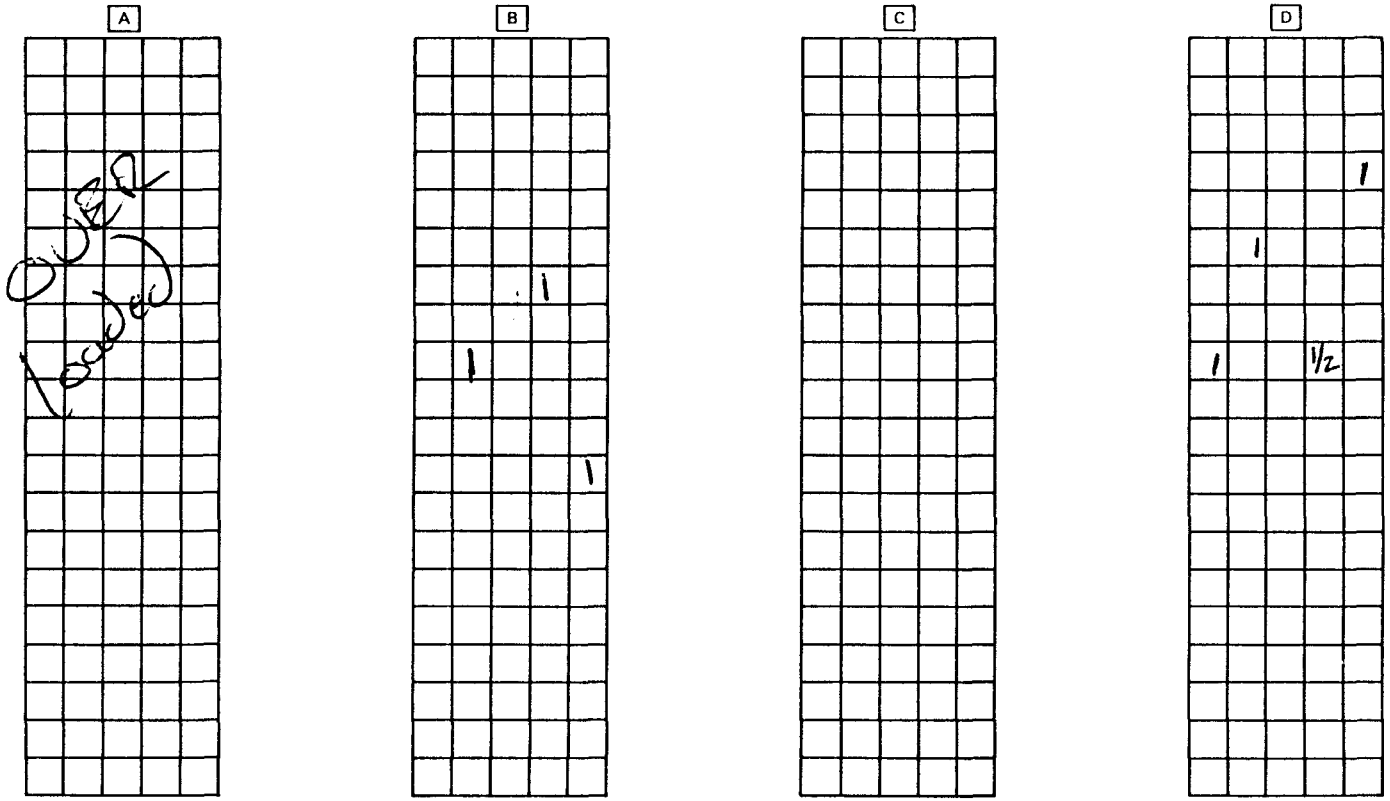
Field Area (Check One): ☐ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



B Dermer 12/3/94
FIELD TECH. DATE

Colon Sieski 12-3-94
ANALYST DATE

Tracor Technology Resources — Air Sample Sheet

Project # 4484.012

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	266494	21	37	2.5	2.5	2.5	1257	2244	587	1467.5	2.5	100	0	2.5	
A	Notes: SS air wall #1 air exhaust Ground Floor														
B	266594	22	L-1	10	10	10	1450	2150	120	1200	1.5	100	0	1.5	≤.004
B	Notes: East End East Containment Final Air														
C	266694	23	L-2	10	10	10	1950	2150	120	1200	4.5	100	0	4.5	≤.004
C	Notes: West End East Containment Final Air														
D	266794	24	L-5	10	10	10	1950	2150	120	1200	11.5	100	0	11.5	.004
D	Notes: Central East Containment Final Air														

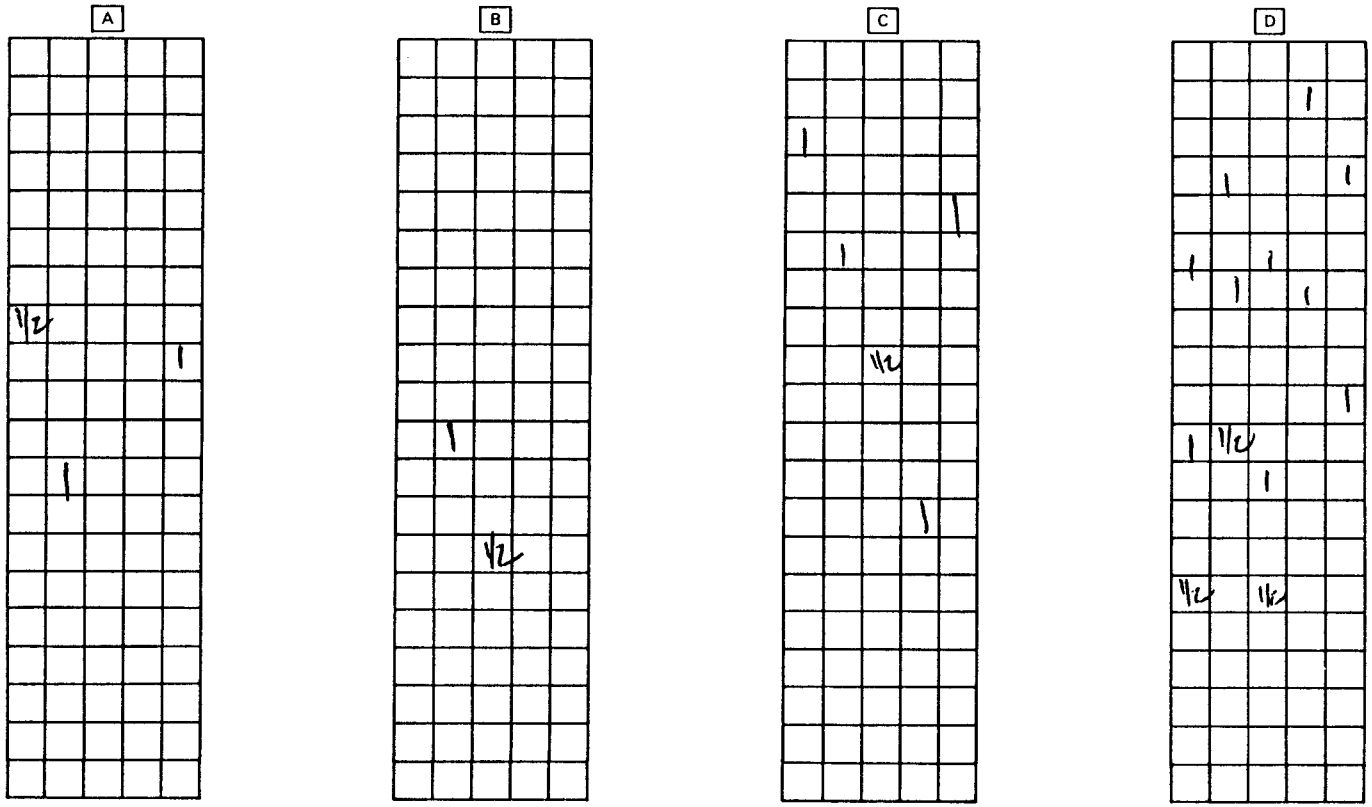
Field Area: (Check One) ☑ .00785 ☐ .00801 ☐ .00754 ☐ .00817 ☐ .00724

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



B Hernandez 12/3/94
FIELD TECH. DATE

Gulam Siddiqi 12-3-94
ANALYST DATE

Tracor Technology Resources **Air Sample Sheet**

Project # 6 4 8 6 0 1 2 A

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	266894	25	L-1	10	10	10	0230	0430	120	1200	0	100	0	0	<.004
A	Notes: West Side West Coil. Control Room Final Air														
B	266994	26	L-2	10	10	10	0230	0430	120	1200	2.5	100	0	2.5	<.004
B	Notes: East Side West Cont " Final Air														
C	267094	27	L-3	10	10	10	0230	0430	120	1200	1	100	0	1	<.004
C	Notes: Control West Containment " Final Air														
D															
D	Notes:														

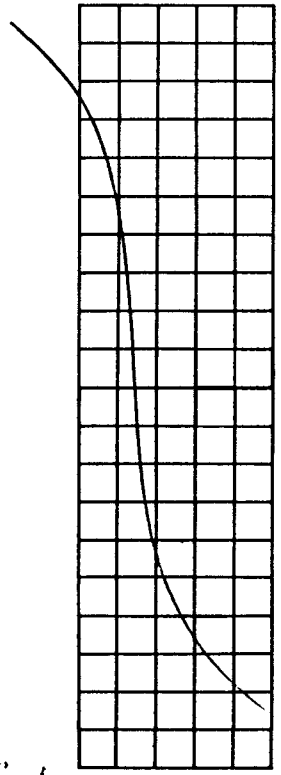
Field Area: (Check One) ☑ .00785 ☐ .00801 ☐ .00754 ☐ .00817 ☐ .00724

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



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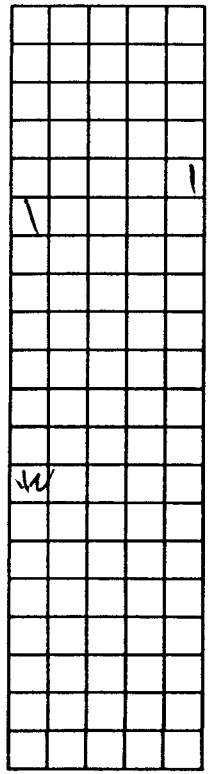

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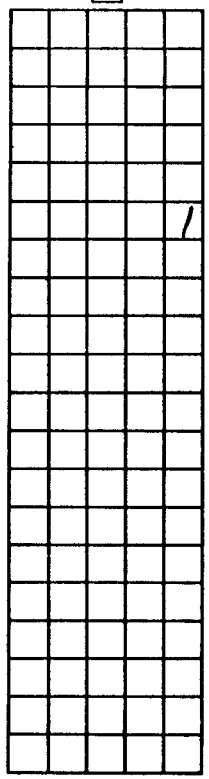

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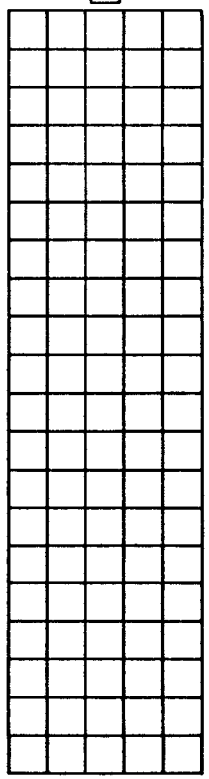


Golomsieski 12-4-94
FIELD TECH. DATE

Golomsieski 12-4-94
ANALYST DATE

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB

Project: 6486-012

Location: 1st Floor East / West

Date: 12/3/94

Removal Contractor: RETRO

Time Inspected: 0500

Monitoring Contractor: TTR

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. "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: Jim Golomsieski Date: 10/3/94

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB

Project: 6486-012A

Location: 1st Floor East to West

Date: 12/2-3/94 Fri night Sat

Removal Contractor: RETRO

Time Started: 2300

Monitoring Contractor: IIR

Time Stopped: 0700

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 > .02"		
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.	✓	
	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.	N/A ✓	
	b. Proper NIOSH respirators.	Disp N/A HEPA N/A ✓ PAPR N/A TYP"C" N/A	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?	✓	
	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:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

Report Prepared By: Golan Sieski Date: 12/23/94

Exhibit B

GSA ASBESTOS ABATEMENT [redacted] CHECKLIST

Building: NEOB

Project: 6486 012

Location: Ground

Date: 12/3/94

Removal Contractor: Metro

Time Inspected: 0700

Monitoring Contractor: TTNL

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. "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 [redacted] 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: [illegible] Date: 12/3/94

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB

Project: 6486-012A

Location: East/West 1st Floor

Date: 12/3-4/94 Sat Night

Removal Contractor: Rem

Time Started: 1900

Monitoring Contractor: TM

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	NA	
	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: 12-3/4-94

CIH Inspection

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486-012A

Location: 1st Floor East + West Date: 12/3/94

Removal Contractor: RETRO Time Started: 0600

Monitoring Contractor: TTR Time Stopped: 0700

Inspection Catagory	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	Under Construction	
	b. Decontamination Curtains	√	
	c. GLOVE BAG PROJ	√	
	d. Seals around ducts, windows and doors	N.C.	
	e. "Negative air machine" in use	√	
	f. Negative pressure > .03"	0.19	
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."

Containment under construction -

Report Prepared By: [signature] Date: 12-2-94

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: 6486-02

Location: 1st Floor East Cort. Date: 12-3-84

Removal Contractor: Detro Time Inspected: 0715

Monitoring Contractor: TTN Time Completed: 2230

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:	22	23	24		
Location:	East	West	Central		
Volume (Liters):	1200	1200	1200		
Flow rate: (Liters/Minute)	10	10	10		
Fibers/Filter:	1.5	4.5	11.5		
Fibers/Cubic Cm:	<.004	<.004	.004		

ANALYST ANALYZING SAMPLES: Galanski DATE: 12-3-94

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: _____

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: 6486-012

Location: West Cont. 1st Floor Control Room Date: 12-4-94

Removal Contractor: RETRO Time Inspected: 0150

Monitoring Contractor: TM Time Completed: 0500

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.	✓	

Page # 1

LOG SHEET

Date: Dec 3 - 1994

Project Number: 6486 012

Industrial Hygienist: Barry J. Hendler

Abatement Contractor/Supervisor: Retro / Cleaning

Time	Remarks
0700	On site, removing ceiling tile from control rm barrier
	neg pressure low (-0.0116) need to finish barrier parameter
	after the removal. Work in east containment continues all time
0800	Tiles out of control rm barrier pressure up to -0.050 work in
	east barrier continues all time
0900	Work continues all time pressure good
1000	Work continues all time pressure good
1100	Taking lights out all time
1200	Workers on lunch all time pressure good
1300	Switched gauges to second set.
1330	Samples collected work continues continue to remove lights
	from control room barrier, AHU motor cont work in both
	all time pressure good
1500	Samples analyzed visible samples too dusty due to gauges on
	tables drawing dust from bags. Outside east door 0.02
	Retro mopped area with water. Sample in bathroom dusty
	due to plaster work in east room. lot of gypsum dust.
	Work continues in both barriers all time pressure good.
1600	Work continues all time
1700	Work continues in both barrier pressure good
1730	Union work completed automatic continues all time
1800	End of shift

Page # 3

LOG SHEET

Date: 12/3-4/94

Project Number: 6486-024

Industrial Hygienist: Columbsfik

Abatement Contractor/Supervisor: RETRO / Ronald

Time	Remarks
1900	On site East cont almost ready for finals / Filters still in West cont
1950	Set finals in East containment
2150	Pulled finals & prepared to read
2200	East cont. passed all ≤0.01 f/cc
2300	Tile guys almost done in West containment Retro is fine cleaning Reading the last of the ASTA samples Retro Ripping down the East Containment
2430	Ceiling Tile MEU Complete, RETRO will go in & complete final cleaning now.
0150	Began Visual Inspection on the West 1st Floor Containment
0230	Final air samples set up & Running
0330	Final air samples set up & Running
0430	Pulled final airs
0500	Everything ≤0.01 f/cc
0515	off site

95-305

TRACOR

Tracor Technology Resources, Inc.
1601 Research Boulevard
Rockville, MD 20850-3173
301 251-4911

Reviewed/Mailed
FEB 17 1995
T.S./WPXE
DC010522
CANOFILE 950123

Project No.: 6486-012A
Serial No.: JG-95-004
ACT No.: P05554577

January 23, 1995

Ms. Normajean Eleazer
GSA, NCR, WPX, Room 2036
7th and D Streets, SW
Washington, DC 20407

Subject: PROGRESS REPORT XVII - ASBESTOS MONITORING - NEW EXECUTIVE OFFICE BUILDING

Dear Ms. Eleazer:

This is a progress report on the asbestos abatement project that occurred in the New Executive Office Building on the 1B, 2B, 1st, 2nd and 8th floors on September 9-10, 16-18, 30, October 1, 3-5, 10, 13, 19-20, 24, November 11-13, December 5, 16-22, 1994 and January 7 and 16, 1995.

Personnel from Tracor Technology Resources, Inc. (TTR) monitored Retro Environmental, a licensed asbestos abatement contractor, removing approximately one thousand, four hundred and forty (1,440) square inches of asbestos containing deck insulation, utilizing mini and full containment procedures.

The Industrial Hygiene Consultant's responsibilities include conducting inspections of the worksite, assessing work practices, and collecting air samples. A total of one hundred forty-two (142) air samples were collected. This project consisted of twelve (12) start up, thirty (30) daily, eleven (11) final and four (4) CIH 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: _____
John Golombieski III
Industrial Hygienist

Technical Review: _____
Michael J. Larsen, CIH
President

JG:srp

Enclosures

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

10/12/94

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012	187194	1	09/09/94	OUT	< 0.005
6486012	187294	2	09/09/94	OUT	0.040
6486012	187394	3	09/09/94	OUT	< 0.005
6486012	187494	4	09/09/94	OUT	< 0.005
6486012	187594	5	09/09/94	INS	OVERLOADED
6486012	187694	6	09/09/94		BLANK= 0.00
6486012	187794	7	09/09/94		BLANK= 0.00
6486012	187894	8	09/09/94	INS	OVERLOADED
6486012	187994	9	09/10/94	OUT	< 0.008
6486012	188094	10	09/10/94	OUT	< 0.008
6486012	188194	11	09/10/94	OUT	< 0.008
6486012	188294	12	09/10/94	OUT	< 0.008
6486012	188394	13	09/10/94	FIN	< 0.004
6486012	188494	14	09/10/94	FIN	< 0.004
6486012	188594	15	09/10/94	FIN	< 0.004
6486012	188694	16	09/10/94		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 L. EDWARDS
LABORATORY MANAGER

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	187194	81	4905	2.5	2.5	2.5	0520	1155	395	988	2.5	100	0	2.5	0.001
A	Notes: Area Sample: NEOB, #2nd floor, [redacted]														
B	187294	82	5325	2.5	2.5	2.5	0522	1150	392	980	79.5	100	0	79.5	0.04
B	Notes: Area Sample: NEOB, #2nd floor, ~~Outside~~ [redacted], In hallway beside rm. #2106.														
C	187394	83	9123	2.5	2.5	2.5	0530	1150	380	950	4	100	0	4	0.002
C	Notes: Area Sample: NEOB, #1st floor, Outside containment, In hallway beside rm. G-102.														
D	187494	84	9102	2.5	2.5	2.5	0532	1155	383	958	7	100	0	7	0.014
D	Notes: Area Sample: NEOB, #1st floor, Outside containment, In East lobby.														

BJD

BJB

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			
			1.5	

C

1				
			1	
1				
1				

D

			1	
.5	1			
	1			
				1
			1	
		.5		
1				

B

	2	1	1	
.5		2		2
2	1	1.5	1	3
1	2	2	1	1
	.5	.5		
3		1	1	
.5	.5	1	2	
	1			1
	2	1	.5	1
1	1		.5	
	1	.5	3	
2		2	1	
	1	1		1.5
1		.5	3	
	2			
		1	.5	1
2		1		
	2		2	1
2	.5	1	1	
	1			

Paul A. Sutter 9/9/94
FIELD TECH. DATE

Barry Wenzel 9/16/94
ANALYST DATE

Page #_____

LOG SHEET

Date: Sept. 10, 1994

Project Number: 6486012

Industrial Hygienist: Carl A. Rutter

Abatement Contractor/Supervisor: Retro Environmental Inc Ronald T.

Time	Remarks
1830	Arrival onsite at New Executive office Building
	#17th St. NW Washington DC 20503.
1840	Met Ronald, Robert & Scott from Retro
	I was informed that 3 final air
	sample had been set-up by barry from
	TTR. Time 1840.
2040	Air Samples were collected & analyzed
	the results of #13, #14 & #15 were less
	than 0.002 fibers per/cc. This area
	has passed final Air Monitoring.
2100	TTR hygienist off site.
	Carl A. Rutter

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	187594	05	9921	2.5	2.5	2.5	0530	1155	—	—	—	—	—	—	OL
A	Notes: Area Sample: NEOB #2nd Floor, Inside containment conference room #2010.														
B	187694	06	—	—	—	—	—	—	—	—	0	100	—	0	—
B	Notes: Blank Sample:														
C	187794	07	—	—	—	—	—	—	—	—	0	100	—	0	—
C	Notes: Blank Sample:														
D	187894	08	(6)	2.5	2.5	2.5	1355	1810	250	625			—		overloaded
D	Notes: AREA Sample NEOB 2nd Floor - inside containment outside 2010														

Field Area: (Check One) ☑ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

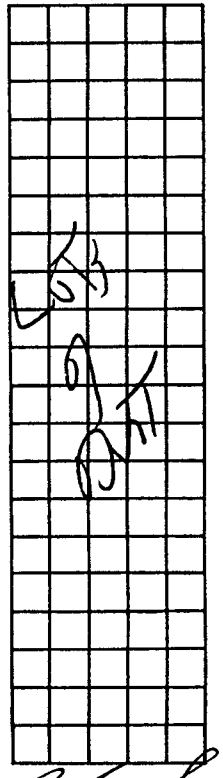
Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☑ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

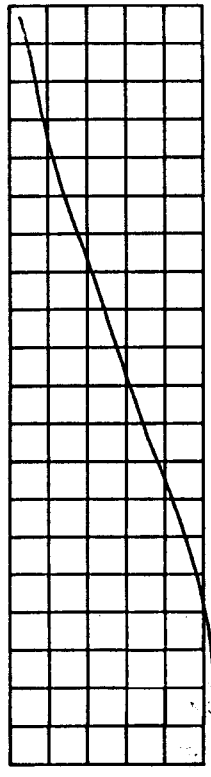
Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

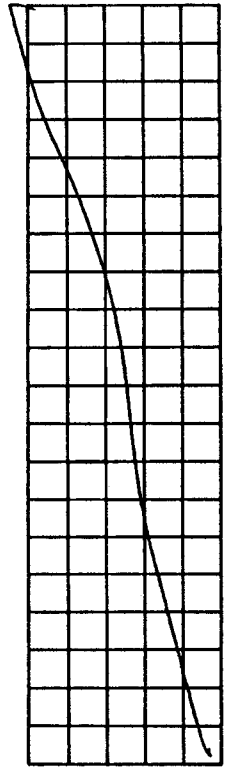
A



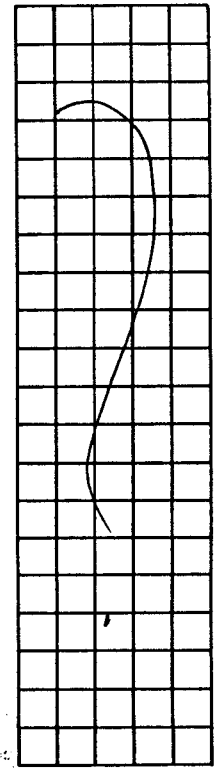
B



C



D



Paul A. Stiles 9/9/94
FIELD TECH. DATE

[illegible] 9/10/94
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	187994	09	61	2.5	2.5	2.5	1355	1810	250	625	2	100	8	0.02	<0.002
A	Notes: Area Sample - 2nd Floor outside containment entrance Rm 2106 sign														
B	188094	10	61	2.5	2.5	2.5	1400	1810	250	625	4	100	8	0.04	0.003
B	Notes: Area Sample - 2nd Floor - stairwell #4 mixing exhaust														
C	188194	11	510013	2.5	2.5	2.5	1400	1810	250	625	1	100	8	0.01	<0.002
C	Notes: Area Sample - 2nd Floor door sign 6102														
D	188294	12	9588	2.5	2.5	2.5	1400	1810	250	625	1	100	8	0.01	<0.002
D	Notes: Area Sample - 1st Floor east lobby at doors														

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
~~Quiet~~ CAB ~~Radiat~~	1	.5	.5
1	.5		
	.5		
1	1	.5	.5
1		.5	
	.5		

Barry J. Dunker 9/10/94 — FIELD TECH. DATE

Carl A. Sutter 9/10/94 — ANALYST DATE

Tracor Technology Resources

1601 Research Boulevard
Rockville, Maryland 20850

Air Sample Sheet

Project # 6486012

	Log #	Sample #	Pump ID	Flow Calibration Liters/Min Pre	Post	Mean	Time (Military) On	Off	Total (Min)	Volume	Count Data Total Count	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	187994	09	61	2.5	2.5	2.5	1355	1810	250	625	2	100	8	0.02	<0.002
A	Notes: Area Sample - 2nd Floor outside containment entrance the 2106 sign														
B	188094	10	61	2.5	2.5	2.5	1400	1810	250	625	4	100	8	0.04	0.003
B	Notes: Area Sample - 2nd Floor - Stairwell #4 microtrap exhaust														
C	188194	11	510013	2.5	2.5	2.5	1400	1810	250	625	1	100	8	0.01	<0.002
C	Notes: Area Samples - 2nd Floor door rm G102														
D	188294	12	9588	2.5	2.5	2.5	1400	1810	250	625	1	100	8	0.01	<0.002
D	Notes: Area Samples - 1st Floor east lobby nr doors														

Calculations: Mean Flow = $\frac{Pre + Post}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Field Area: (Check One) ☐ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{\text{(Net Count/100) x Filter Area}}{\text{Field Area x Volume x 1000}}$

Filter Size ☐ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

A: ~~Out~~ CAB ~~Coated~~; 1; 1

B: 1; .5; .5; 1; .5; .5

C: .5; .5

D: .5; .5

[signature] 9/16/94 [signature] 9/10/94

Tracor Technology Resources — **Air Sample Sheet**

1601 Research Boulevard
Rockville, Maryland 20850

Project # 6,4,8,6,0,1,2

	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	188394	13	8816	10	10.0	10.0	1840	2040	120	1200	2	100	0	0.02	<0.002
A Notes:	Final Sample - inside barrier														
B	188494	14	B653	10	10.0	10.0	1840	2040	120	1200	1	100	0	0.01	<0.002
B Notes:	Final Sample - inside barrier														
C	188594	15	B651	10	10.0	10.0	1840	2040	120	1200	1	100	0	0.01	<0.002
C Notes:	Final Sample inside barrier														
D	188694	16									0	100			
D Notes:	Blank Sample:														

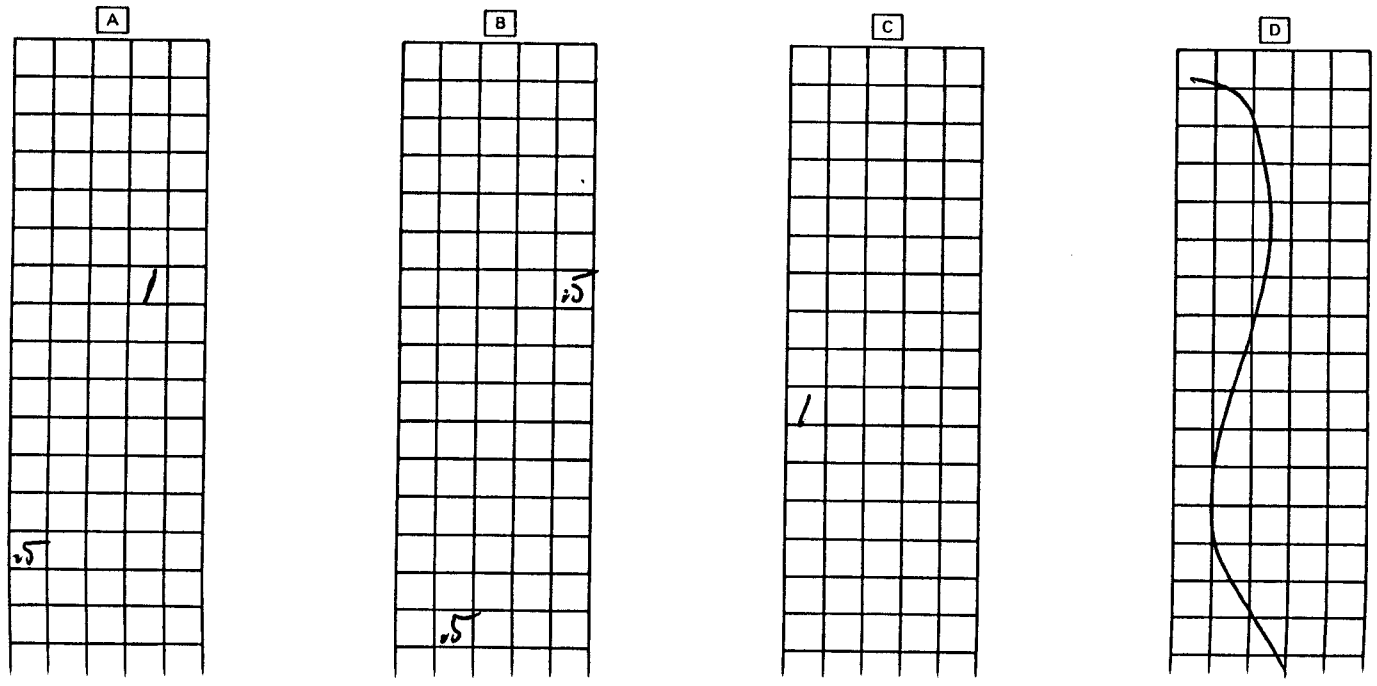
Field Area: (Check One) ☐ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



Page # 1

LOG SHEET

Date: 9/10/94

Project Number: 6486012

Industrial Hygienist: B Wember

Abatement Contractor/Supervisor: RetTro / Kenny

Time	Remarks
0700	At NEOB going thru clearance - key passes waived by Tim. Sheriff approves positive
0730	Set up and checked pumps - found missing pump. all fine work continues
0815	Electricians going on break - all fine RetTro not needed yet to remove spots.
900	Work continues all fine Pipefitters on break
1000	All fine work continues
1100	Work continues all fine
1200	Pick up pumps from first shift all fine Eat on lunch, Plumbers too
1300	Meeting, work continues all fine
1400	Set up second set of pumps all fine
1500	Work continues sample set 1 analyzed outside entrance a.m. RetTro tried to clean lobby no response second set samples will be check. Sprinkler people that to leave with girl early. Begin cleaning of barrier
1600	Sprinkler crew done for day RetTro cleaning all fine lobby was wiped down
1700	Cleaning continues all fine
1740	Barrier passes final visual encapsulation begins
1800	Encapsulation complete pick up second set of pumps
1840	Set up final pumps
1845	Relief arrives

Page #_____

LOG SHEET

Date: Sept. 9 1994

Project Number: 6486012

Industrial Hygienist: Carl A. Butler

Abatement Contractor/Supervisor: Retro Environmental Inc., Ronald T.

Time	Remarks
1820	Arrival onsite at the Executive office bldg #225
	#17th St. NW Washington DC. 20503
1900	Retro personnel started arriving onsite.
1920	Set-up was started on containment
	on #2nd floor conference room.
2200	Set-up continues.
Note:	Due to the nature of this project the
	HVAC units can't be turned off this
	weekend.
2400	Set-up continues.
Note:	Retro has Six employee onsite.
0300	Set-up continues.
0500	Pre-abatement inspection performed, inside
	containment #2nd floor conference room.
	The area was in a limits.
0515	Air monitoring was started on #2nd floor
0545	Mr. Butler informed Robert from Retro that
	he has to leave the job site, At this
	time the removal has started yet.
	Tracor 2nd Shift employee will be in
	at 0700 hours. TTL Hygienist off site
	Carl A. Butler

Tracor Technology Resources

FINAL INSPECTION OF ASBESTOS REMOVAL

Building: New Executive office Building Date: Sept. 10, 1994

Location: #725, #17th St. NW., Washington DC. 20503

Project Number/Description: ACBM Spot removal, Inside full containment.

Company Performing Abatement: Retro Environmental Co. Inc.

Building Supervisor on Job: Steve L. Title: Supervisor

Foreman on Job: Ronald Tubongbanua Title: Supervisor

TTR Inspector: Carl A. Butler Title: Industrial Hygienist

	Yes	No	Not Applicable
A. Inside Work Area			
1. All surfaces have been wet cleaned.	✓		
2. All outer layers of plastic sheeting have been removed from walls and floors.	✓		
3. Visible residue/residual dust removed from:			
a. Floor	✓		
b. Horizontal surfaces	✓		
c. Pipes			✓
d. Ventilation equipment	✓		
e. Horizontal surfaces	✓		✓ CAL
f. Pipes			✓
g. Ducts	✓		
h. Register/s	✓		
i. Lights	✓		
4. A thin coat of satisfactory encapsulating agent has been applied on to all surfaces including structural members and building components (if in specifications).	✓		
5. All contained waste has been removed from the work area in proper decontaminated containers.	✓		
6. Damage incurred has been repaired by workers.	✓		
7. Persons loading/unloading ACM are properly protected with disposable clothing and respirators.	✓		

Tracor Technology Resources, Inc. a subsidiary of Tracor, Inc. 1601 Research Boulevard Rockville, Maryland 20850
Telephone 301: 251 4911 Fax 301: 251 4917

Comments:

	Yes	No	Not Applicable
B. Clearance Testing			
1. Agressive final air sampling?		✓	

if yes, describe method.

Comments:

Final Air Sample Results: Date/Time: Sept. 10, 1994

Given to: Ronald Tubongbanva Date/Time: Sept. 10, 1994

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:_____Date:_____

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building Project: _____

Location: #725, #17th St. NW. Wash. DC. Date: Sept. 9, 1994

Removal Contractor: Retro Environmental Time Inspected: 0500

Monitoring Contractor: ITR Time Work Started: 0530

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

Report Prepared By: Carl A. Butler Date: Sept. 9, 1994

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: _____ Project: _____

Location: _____ Date: _____

Removal Contractor: _____ Time Started: _____

Monitoring Contractor: _____ 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	_____	_____
	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.	_____	_____

C.I.H.

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB

Project: [illegible]

Location: 2nd floor

Date: 9-10-94

Removal Contractor: Retro

Time Started: 0600

Monitoring Contractor: TTR

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	NA	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	Waivered per Tim Sleeth	
	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	NA	
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: [signature] Date: 9-10-94.

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486012

Location: 2nd Floor Date: 9/10/94

Removal Contractor: RaVo Time Started: 0700

Monitoring Contractor: TTR Time Stopped: 1900

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	NA	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure > .03"	waived by T. Smith	
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: _____ Date: _____

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Project: 6486.012

Location: Gym Date: 9.28.94

Removal Contractor: Retro Time Inspected: 0530

Monitoring Contractor: Tracor Time Work Started: 0530

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. "Microtrap" in use	✓	
	f. Negative pressure > .02"	✓ (waived)	
2. Signage	a. Caution Signs at vestibule entry.	na	
	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 10 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:
*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: B Wells Date: 9.18.94

CIH Inspection

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB

Project: Sprinkler

Location: 2nd Floor

Date: 9-~~18~~-94 TBW

Removal Contractor: Retro

Time Started: 0600

Monitoring Contractor: Tracer

Time Stopped: 0700

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	NA	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure > .03"	Waived per T. Sleath.	
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.	NA	
	c. Debris Stored in removal area.	NA	

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.	NA	
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: 9-18-94

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486 · 012

Location: Gym Date: 9 · 15 · 94 (BW)

Removal Contractor: Retro Time Started: 1900 (9·16·94)

Monitoring Contractor: Tracor Time Stopped: 0700

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	na	
	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.	na	
	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 1/2 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:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

Report Prepared By: B Hall Date: 9.18.94

Page # 1

LOG SHEET

Date: 9/17/94

Project Number: 16486012

Industrial Hygienist: Barry Hensler

Abatement Contractor/Supervisor: Retro / Bob Reeves

Time	Remarks
0700	On site, pump running work in progress, minimal
	Neg pressure at cont entrance. Neg pressure requirement
	waived by Mr. Stutts. All fine
0720	Barrier inspection — barrier fine
0750	Electrician open panel outside barrier to access ceiling
	Told foby he stated Mr Reeves allowed it will call
	Mr Reeves - Mr Reeves stated it wasn't allowed worker
	closed grate and stopped the access work will run HIVOL
	sample to OK area.
0810	Sample hivol in gym started. Union worker will access area
	behind barrier (worker was doing work from panel (vent)
	with HF respiratory but no suit.) Retro start sealing vents
0900	Union & automatic go on break all fine
1010	Pulled gym sample analysis showed <0.004 F/cc
1100	work continues all fine
1200	Changed pumps started second set. all fine
	workers on lunch break
1300	Workers return from lunch - meeting
1400	meeting over - work continues all fine
1500	Work continues all fine sample of 1st set clean (estimate <0.01)
1600	Automatic done for day sealing off equipment
1745	Retro begin cleaning barrier all fine
1845	Barrier passes final visual begin encapsulation all fine
1900	End of Shift

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486 012

Location: 2nd Floor Gym Date: 9/17/94

Removal Contractor: ReTro Time Started: 0700

Monitoring Contractor: TTR Time Stopped: 1900

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 by T. Sleith	
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.	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: B Kemble Date: 7/17/91

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: 6486·012

Location: Gym Date: 9·17·94

Removal Contractor: Retro Time Inspected: 1845

Monitoring Contractor: Tracor Time Completed: 2230

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	✓	
	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:	10	11	12	13	
Location:	inside WA	inside WA	inside WA	inside WA	
Volume (Liters):	1200	1200	1200	1200	
Flow rate: (Liters/Minute)	10	10	10	10	
Fibers/Filter:	1	2	1	3	
Fibers/Cubic Cm:	<0.004	<0.004	<0.004	<0.004	

ANALYST ANALYZING SAMPLES: B Wells DATE: 9-17-94

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

Report Prepared By: B Wells Date: 9-17-94

REPORT REVIEWED BY: _____ DATE: _____

Page # 1

LOG SHEET

Date: 9-17-94

Project Number: 6486-0121

Industrial Hygienist: B Hells

Abatement Contractor/Supervisor: Retro / Ed

Time	Remarks
1900	IR on site to relieve B Hemler. ACM has passed final inspection and crew is encapsulating
1930	IR starts final samples
2130	IR pulls and reads final samples. All are below EPA recommended level for clean air. IR gives Retro permission to return area to use
1000	IR off site

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

10/11/94

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012	184194	1	10/01/94	INS	< 0.005
6486012	184294	2	10/01/94	INS	< 0.005
6486012	184394	3	10/01/94	FIN	< 0.004
6486012	184494	4	10/01/94	FIN	< 0.004
6486012	184594	5	10/01/94	INS	0.021
6486012	184694	6	10/01/94	OUT	VOIDED
6486012	184794	7	10/01/94	OUT	< 0.005
6486012	184894	8	10/01/94	OUT	0.009
6486012	184994	9	10/01/94	OUT	0.006
6486012	185094	10	10/01/94	INS	< 0.005
6486012	185194	11	10/01/94	OUT	OVERLOADED
6486012	185294	12	10/01/94	OUT	< 0.005
6486012	185394	13	10/01/94	FIN	< 0.004
6486012	185494	14	10/01/94	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 J. EDWARDS
LABORATORY MANAGER

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	18/4/94	09	27	2.5	2.0	2.3	1157	1854	417	938	1.5	100	–	1.5	<0.005
A	Notes: OFFICE SPACE ADJACENT TO WORK AREA														
B	18/4/94	10	93	2.5	2.2	2.4	1149	1850	419	985	4.5	100	–	4.5	0.002
B	Notes: 2nd Floor Women's room														
C	18/4/94	11		10	10	10	1918	2118	120	1200	4	100	–	4	0.002
C	Notes: FINAL: Inside Work Area														
D	18/4/94	12		10	10	10	1918	2118	120	1200	4	100	–	4	0.002
D	Notes: FINAL: INSIDE WORK AREA														

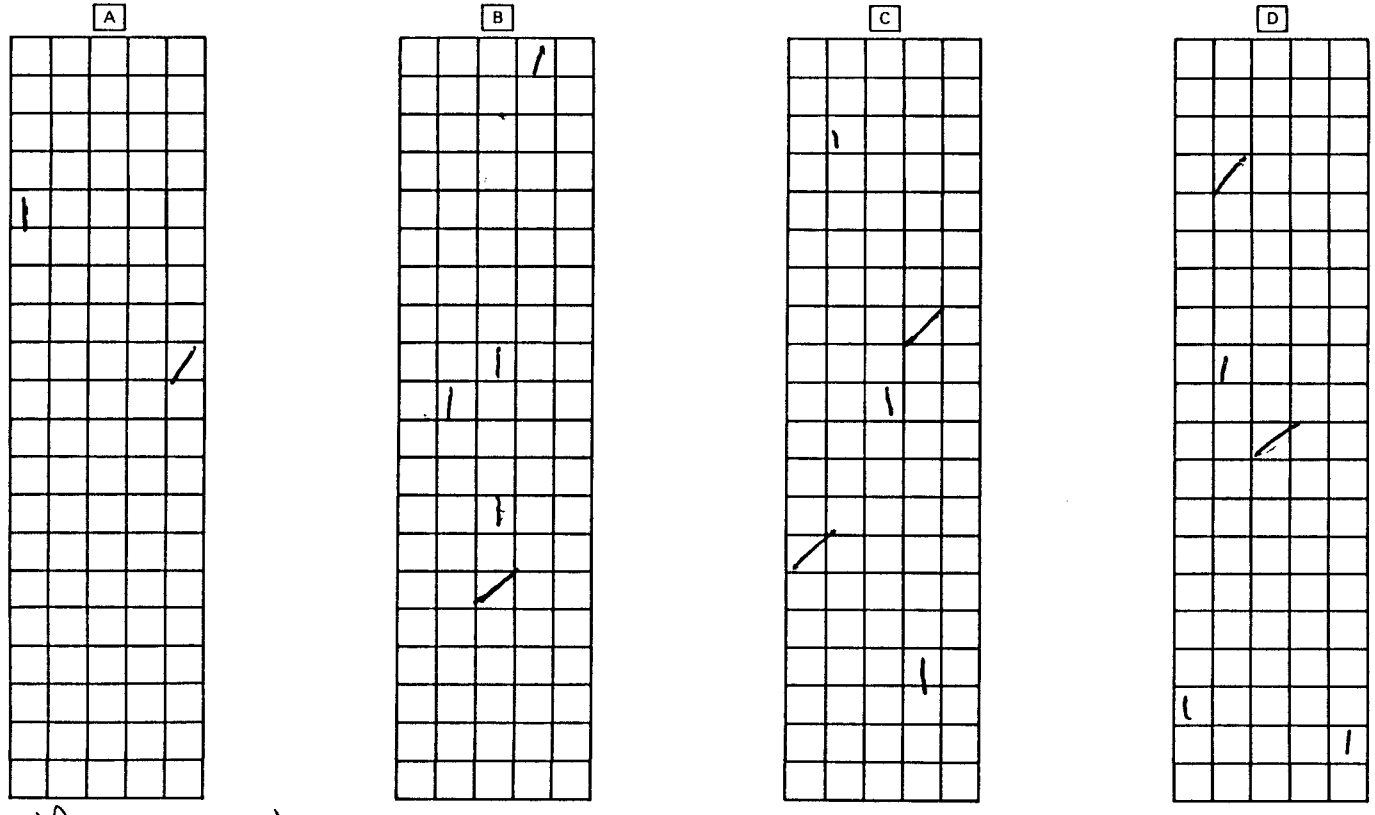
Field Area (Check One): ☐ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



[signature] 10/1/94
FIELD TECH. DATE

DUNN 10/01/94
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	18/4/94	01	5972	2.5	2.5	2.5	0502	1205	427	1068	45	100	—	45	0.02
A	Notes: INSIDE WORK AREA														
B	18/4/94	02	5969	2.5	2.5	2.5	0444	1151	—	—	—	—	—	—	OL
B	Notes: AT DECONTAMINATION ENTRANCE														
C	18/4/94	04	5967	2.5	2.5	2.5	0450	1154	424	1060	6.5	100	—	6.5	0.003
C	Notes: STAIRWELL # 2 ON SECOND FLOOR														
D	18/4/94	03	5113	2.5	2.5	2.5	0452	1157	425	1063	18.5	100	—	18.5	0.009
D	Notes: OFFICE SPACE ADJACENT TO WORK AREA														

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		2	.5	1
	1		1.5	
1		1		
			2	2
.5		1	1	
	1			
	.5		1	
1	.5			
		1		
3		.5	2	
	1			
	1		1	2
1	1			
			1	
			1	1
1	5		1	
	.5			1
1	1	1		
		1		
			1	

B

C

			1	
1				
			1	
	1			.5
			1	
1				

D

	1		.5	
1				
	1		.5	
1				
		1		1
1				
			.5	
	1			
			1	
				1
1	1			
	.5		1	
		1		
1				
	.5			
			1	

Scott Dunn 10/01/94
FIELD TECH. DATE

Barry Hamler 10/1/94
ANALYST DATE

Tracor Technology Resources — Air Sample Sheet

Project # 6,4,8,6,-,1,0,1,2

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	185994	05	5112	2.5	2.5	2.5	0500	1149	409	1023	13	100	—	13	0.00[illegible]
A	Notes: 2ND FLOOR WOMEN'S ROOM														
B	185094	06	06	2.5	2.0	2.3	1205	1847	402	905	5	100	—	5	0.003
B	Notes: INSIDE WORK AREA														
C	185194	07	22	2.5			1151	—	—	—	—	—	—	FAULT	
C	Notes: DECON ENTRANCE														
D	185294	08	23	2.5	2.0	2.3	1159	1852	413	929	0	100	—	0	<0.005
D	Notes: Farwell #2 Second Floor														

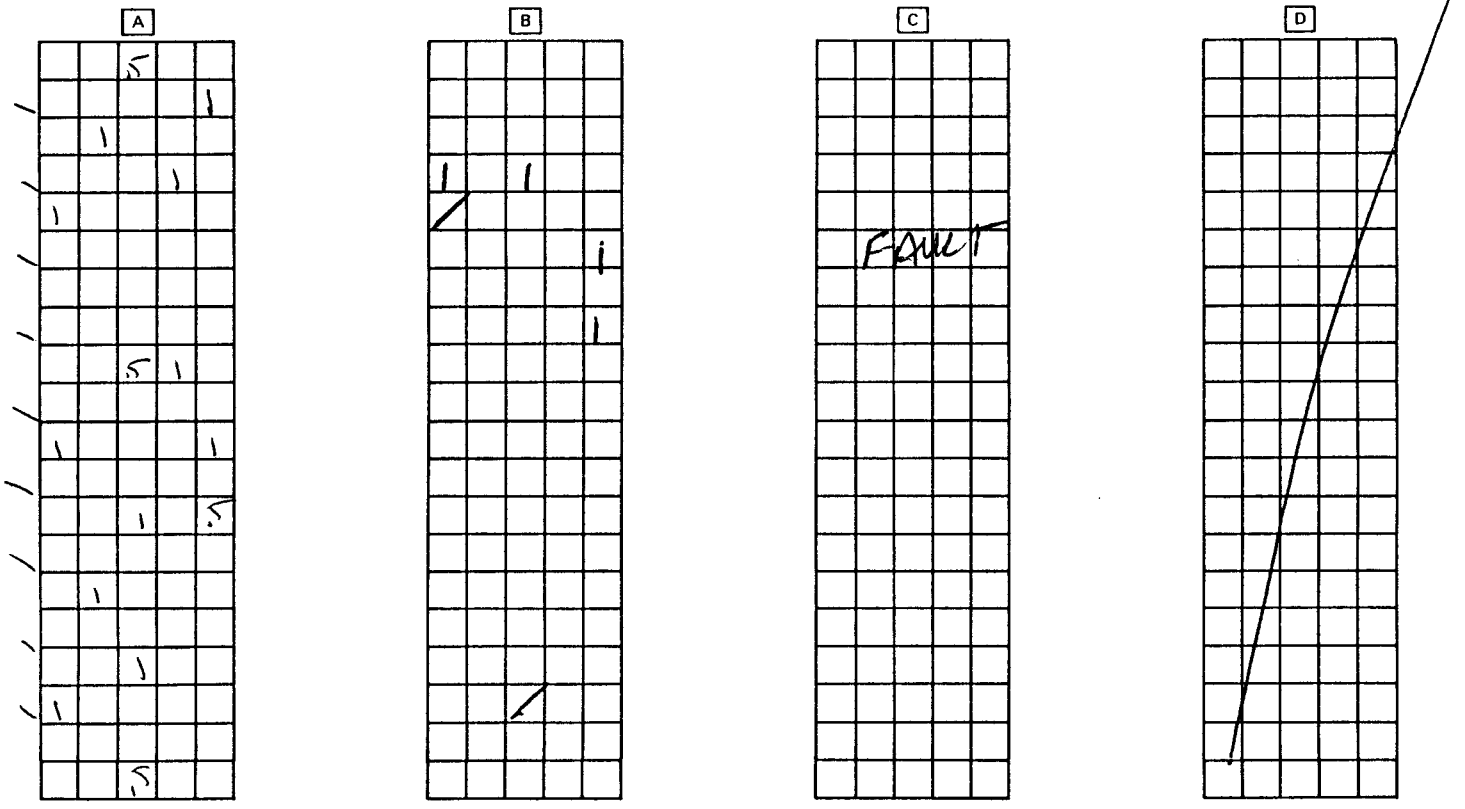
Field Area (Check One): ☑ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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. — 10/21/94 DATE

Barry Henley — ANALYST — 12/1/94 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	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	185394	13		10	10	10	1918	2118	120	1200	1	100	—	1	<0.005
A	Notes: FINAL! DWA														
B	185494	14		10	10	10	1918	2118	120	1200	0	100	—	0	<0.005
B	Notes: FINAL! DWA														
C															
C	Notes:														
D															
D	Notes:														

Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

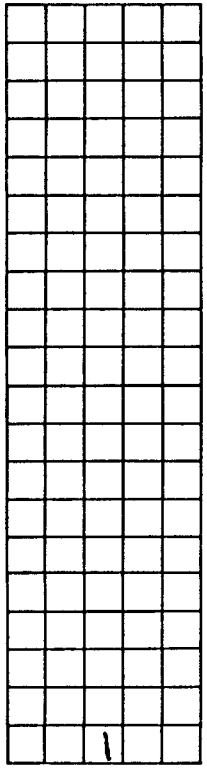
Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

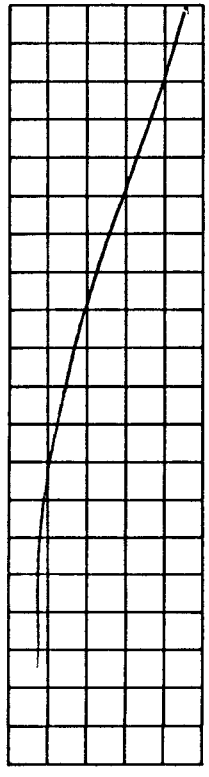
Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

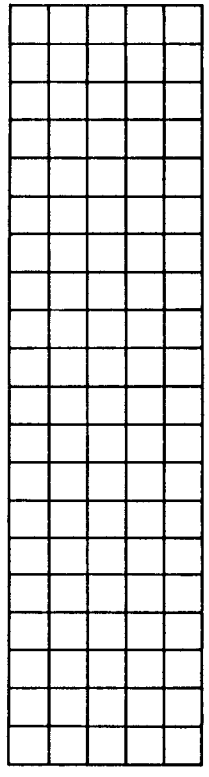
A



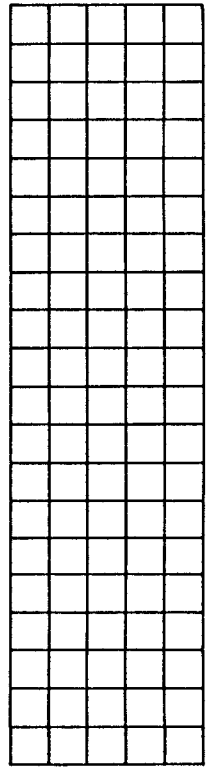
B



C



D



Scott Dunn — FIELD TECH. — 10/01/94 — DATE

Dunn — ANALYST — 10/01/94 — DATE

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEW EXEC OFFICE BLDG. Project: 6486-012

Location: 2ND FLOOR Date: ~~10/01/94~~ 9/30/94

Removal Contractor: RETRO Time Started: 1900 (9/30)

Monitoring Contractor: TRACOR Time Stopped: 0700 (10/01)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work sita 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 BY GSA	
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. Matarial Kept Wettad 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."

* SAW WAS USED TO CUT 2'X2' ACCESS PANEL PRIOR TO SPRINKLER ~~[illegible]~~ INSTALLATION

Report Prepared By: SCOTT DUNN Date: 10/01/94

C.I.H. Inspection

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: Sprinklers

Location: 2nd floor Date: 10-1-94

Removal Contractor: Retro Time Started: 0600

Monitoring Contractor: Tracor Time Stopped: 0700

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	Under Construction (U.C.)	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	N.A.	
	d. Seals around ducts, windows and doors	U.C.	
	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	N.A.	
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."

Barrier still under construction

Report Prepared By: [signature] Date: 10-1-94

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Exec. Office Building **Project:** 6486-012

Location: 2ND FLOOR **Date:** 10/01/94

Removal Contractor: RETRO **Time Inspected:** 0200

Monitoring Contractor: TRACOR **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. "Microtrap" in use	✓	
	f. Negative pressure > .02"	waived by GSA	
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 Catagory	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Matarial 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: SCOTT DUNN Date: 10/01/94

Page # 1

LOG SHEET

Date: 9/30/94

Project Number: 6486-012

Industrial Hygienist: SCOTT DUNN

Abatement Contractor/Supervisor: RETRO / RONARD

Time	Remarks
1900-0200	SET UP. ONLY A SMALL AMOUNT OF ASBESTOS IS TO BE REMOVED THIS WEEKEND. Possibly 4 SPRINKLER HEADS WILL BE INSTALLED
0200	CHRIS HIGHTOWER FROM GRUNLY ENTERS WORK AREA TO CUT A 2'x2' ACCESS ABOVE CEILING. MR. HIGHTOWER DONNED SUIT AND RESPIRATOR AND THE AREA WAS UNDER NEGATIVE PRESSURE DURING THE DEMOLITION
0400	RON TOAY ARRIVES AND SO DOES AUTOMATIC SPRINKLER. 17 HEADS WILL INSTALLED TODAY
0500	NO WORK HAS TAKEN PLACE. TTR SETS UP AIR SAMPLES. AUTOMATIC WORKERS ARE PREPARING TO ENTER WORK AREA.

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB

Project: Sprinklers 6486012

Location: 2nd Floor - Offices

Date: 10/1/94

Removal Contractor: ReTro

Time Started: 0700

Monitoring Contractor: TTR

Time Stopped: 1900

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 by GSA	
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."

Grinding cut hole in wall for electrical work, cut integrity of barrier to do it and didn't fix it. Notes did repair

Report Prepared By: [signature] Date: 10/1/94

Page #_____

LOG SHEET

Date: 10/1/94

Project Number: 6486012

Industrial Hygienist: Barry Hember

Abatement Contractor/Supervisor: Retro / Bob Reever

Time	Remarks
0700	On site, walk thru area. All fine work has
	begun. Neg pressure waived by OSA (Mr Sheth)
	Electricians want access to panel outside containment
	will build barrier to it will route at shower dirty
	room. Retro will build it shortly.
0800	Work continues, Retro continue building addition to barrier
0900	Workers go on break
0905	Building thru wall plaster covers while dust to fill barrier
	as no neg pressure, (waived by OSA) barrier currently slightly
	positive (won't shut off system) while dust exiting decon
	Retro enters barrier to ensure operation of all units and barrier
	integrity. All operating
1000	Work continues all fine
1100	Work continues all fine
1145	Set up second set of pumps Basin off at traps for constant time
1200	[redacted] in wall set Retro in for repairs.
1300	Weekly meeting - work for today expected to finish around [redacted] 1700 hrs
1400	Begin to analyze samples
1430	Air samples pass however, outside decon overloaded due to
	dust from cutting and other samples also had dust, Barrier fixed
1500	Work continues cutting inside in hall (elevators) poly around
	workers. Barrier still positive pressure. (waived by OSA)
1600	Union Light & Power finished for day, Automatic continues.
1630	Automatic finished finishing system for static test All fine
1730	Retro begins clean up
1900	End of shift

TEACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

10/11/94

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012	181794	1	10/03/94	OUT	< 0.006
6486012	181894	2	10/03/94	OUT	< 0.006
6486012	181994	3	10/03/94	OUT	< 0.006
6486012	182094	4	10/03/94	OUT	< 0.006
6486012	182194	5	10/05/94	INS	< 0.005
6486012	182294	6	10/05/94	FIN	< 0.004
6486012	182394	7	10/05/94	FIN	< 0.004
6486012	182494	8	10/05/94	OUT	BLANK= 0.00
6486012	182594	9	10/05/94	OUT	< 0.005
6486012	182694	10	10/05/94	OUT	< 0.005
6486012	182794	11	10/05/94	OUT	< 0.005
6486012	182894	12	10/05/94	OUT	< 0.005
6486012	182994	13	10/04/94	INS	0.006
6486012	183094	14	10/04/94	FIN	< 0.004
6486012	183194	15	10/04/94	FIN	0.004
6486012	183294	16	10/04/94	OUT	BLANK= 0.00
6486012	183394	17	10/04/94	OUT	< 0.005
6486012	183494	18	10/04/94	OUT	< 0.005
6486012	183594	19	10/04/94	OUT	< 0.005
6486012	183694	20	10/04/94	OUT	< 0.005
6486012	183794	21	10/03/94	INS	< 0.006
6486012	183894	22	10/03/94	FIN	< 0.004
6486012	183994	23	10/03/94	FIN	< 0.004
6486012	184094	24	10/03/94	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

New Executive Office Building

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	181794	81	4927	2.5	2.5	2.5	2030	0225	355	888	1	100	0	0.01	<0.002
A	Notes: Area Sample: NEOB, #2nd Floor, Outside containment, In main cafeteria.														
B	181894	82	4936	2.5	2.5	2.5	2032	0225	353	883	3	100	0	0.03	<0.002
B	Notes: Area Sample: NEOB #2nd Floor, Outside containment, In new executive cafeteria.														
C	181994	83	5102	2.5	2.5	2.5	2035	0227	352	880	2	100	0	0.02	<0.002
C	Notes: Area Sample: NEOB, #2nd Floor, Outside containment down, In new executive cafeteria.														
D	182094	84	5105	2.5	2.5	2.5	2040	0228	348	870	3.5	100	0	0.035	0.002
D	Notes: Area Sample: NEOB, #2nd Floor, Outside containment, In new executive cafeteria.														

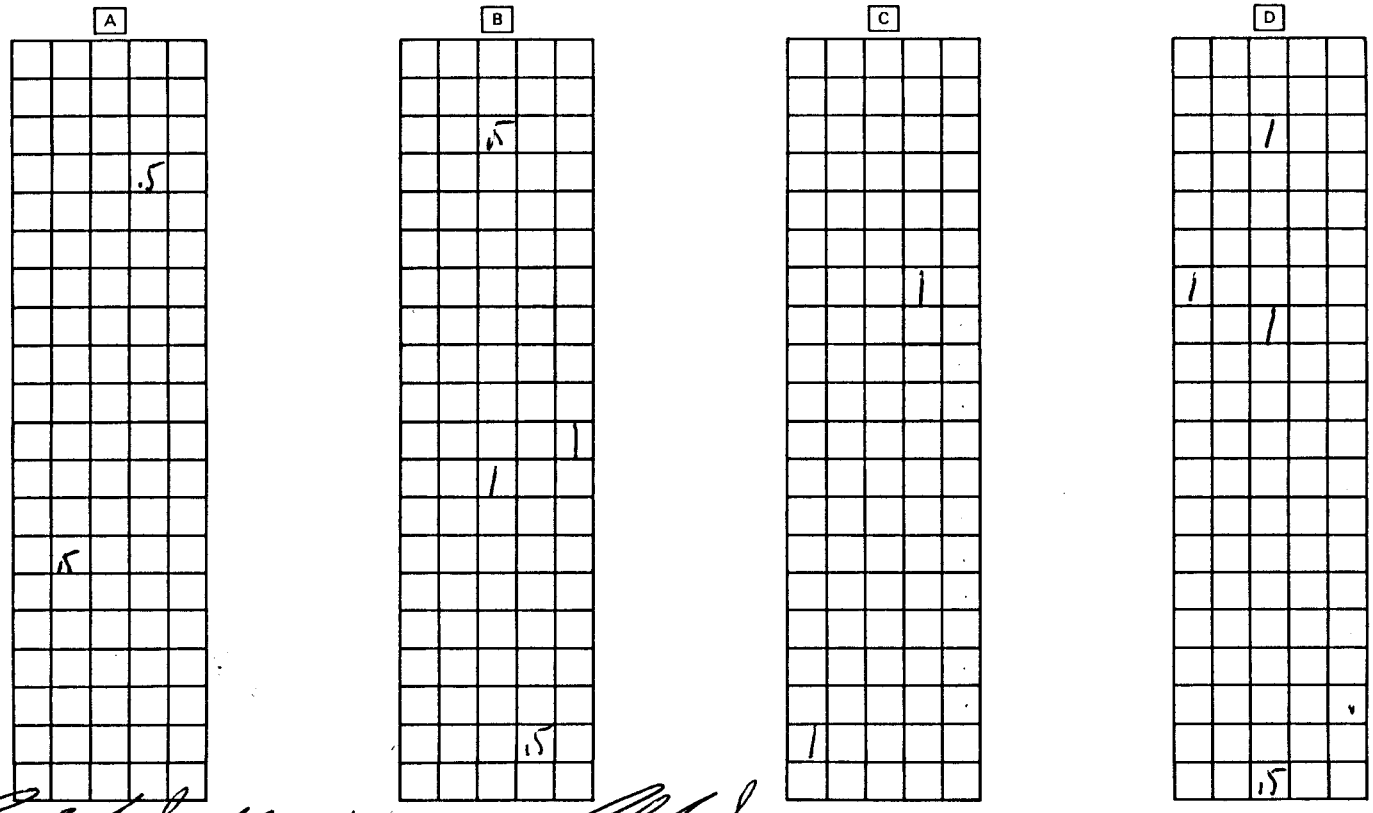
Field Area: (Check One)
- ☑ .00785
- ☐ .00754
- ☐ .00724
- ☐ .00801
- ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



Carl A. Sutle 10/3/94
FIELD TECH. DATE

Carl A. Sutle 10/3/94
ANALYST DATE

New Executive Office Building

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	183794	85	3632	2.5	2.5	2.5	2044	0230	346	865	7	100	Ø	0.07	0.004
A	Notes: Area Sample: NEOB, #2nd floor, Inside containment, In new executive cafeteria.														
B	183894	86	0068	10.0	10.0	10.0	0250	0450	120	1200	1	100	Ø	0.01	<0.002
B	Notes: Final Sample: NEOB, #2nd floor, Inside containment, In new executive cafeteria.														
C	183994	87	0072	10.0	10.0	10.0	0250	0450	120	1200	2	100	Ø	0.02	<0.002
C	Notes: Final Sample: NEOB, #2nd floor, Inside containment, In new executive cafeteria.														
D	184094	88									Ø	100	Ø	–	Ø
D	Notes: Blank Sample:														

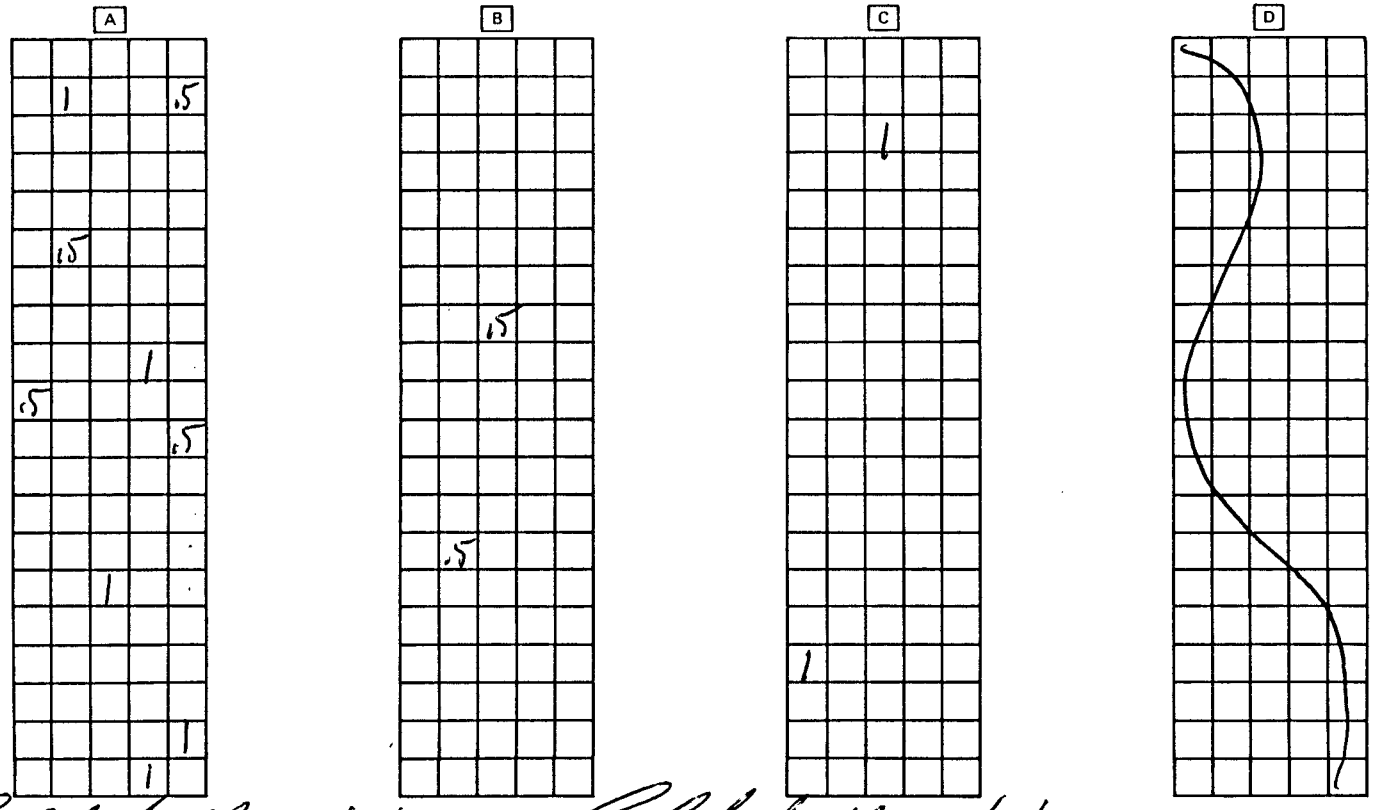
Field Area: (Check One) ■ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



Carl A. Butler 10/3/94
FIELD TECH. DATE

Carl A. Butler 10/3/94
ANALYST DATE

New Executive Office Building.

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	183794	09	4927	2.5	2.5	2.5	1922	0230	428	1070	4.5	100	0	0.045	0.002
A	Notes: Area Sample: NEOB, #2nd Floor, Outside containment, In main cafeteria.														
B	183794	10	4936	2.5	2.5	2.5	1925	0232	427	1068	5	100	0	0.05	0.002
B	Notes: Area Sample: NEOB, #2nd Floor, Outside containment, In main cafeteria.														
C	183794	11	5102	2.5	2.5	2.5	1927	0233	426	1065	9	100	0	0.09	0.004
C	Notes: Area Sample: NEOB, #2nd Floor, Outside containment decon, In new executive cafeteria.														
D	183794	12	5105	2.5	2.5	2.5	1930	0235	425	1063	4	100	0	0.04	<0.002
D	Notes: Area Sample: NEOB, #2nd Floor, Outside containment, In new executive cafeteria.														

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
				.5
1				
				1
		1		

B

.5				
			.5	
	1			
			1	
		1		

C

2				
	.5			
				1
	1			
.5				
				1
	.5			
.5				
		1		
			1	

D

	1			
	.5			
				1
			.5	
.5				
		.5		

Carl A. Sutle 10/4/94
FIELD TECH. DATE

Carl A. Sutle 10/4/94
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	182594	17	4927	2.5	2.5	2.5	1935	0210	395	988	5	100	0	0.05	0.002
A	Notes: Area Sample: NEOB, #2nd Floor, Outside containment, In main cafeteria.														
B	182694	18	4936	2.5	2.5	2.5	1936	0210	394	985	4	100	0	0.04	0.002
B	Notes: Area Sample: NEOB, #2nd Floor, Outside containment, In main cafeteria.														
C	182794	19	5102	2.5	2.5	2.5	1940	0214	394	985	3	100	0	0.03	<0.002
C	Notes: Area Sample: NEOB, #2nd Floor, Outside containment, decon In new executive cafeteria.														
D	182894	20	5105	2.5	2.5	2.5	1945	0215	390	975	3	100	0	0.03	<0.002
D	Notes: Area Sample: NEOB, #2nd Floor, Outside containment, In new executive cafeteria.														

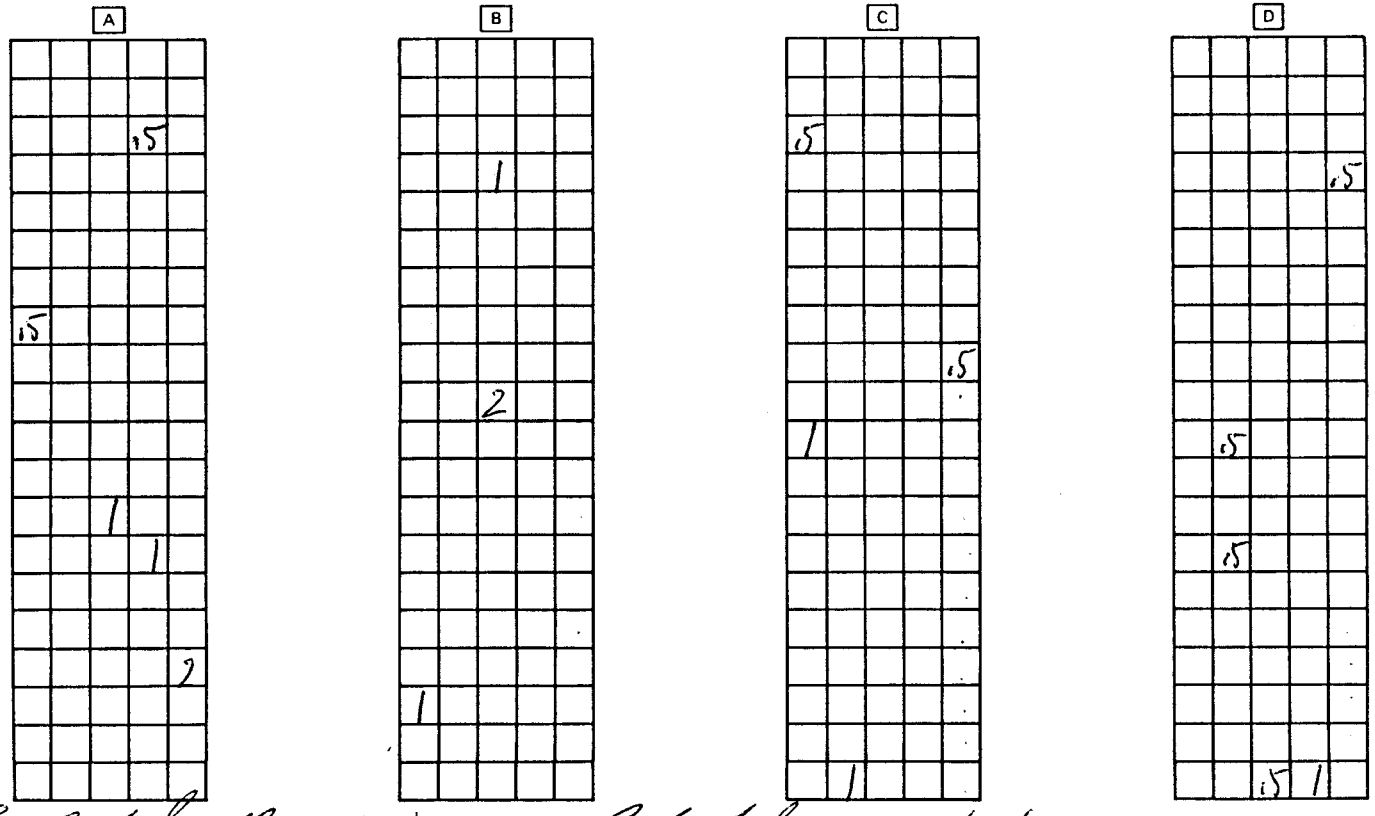
Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



Carl A. Smith 10/5/94
FIELD TECH. DATE

Carl A. Smith 10/5/94
ANALYST DATE

Tracor Technology Resources — Air Sample Sheet

Project # 6,4,86 - 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	182194	21	3632	2.5	2.5	2.5	1946	0216	390	975	6	100	Ø	0.06	0.003
A	Notes: Area Sample: NEOB, #2nd Floor, Inside containment, In executive cafeteria.														
B	182294	22	0068	10.0	10.0	10.0	0245	0445	120	1200	2	100	Ø	0.02	<0.002
B	Notes: Final Sample: NEOB #2nd Floor, Inside containment, In executive cafeteria.														
C	182394	23	0072	10.0	10.0	10.0	0245	0445	120	1200	1.5	100	Ø	0.015	<0.002
C	Notes: Final Sample: NEOB, #2nd Floor, Inside containment, In executive cafeteria.														
D	182494	24									Ø	100	Ø	—	Ø
D	Notes: Blank Sample:														

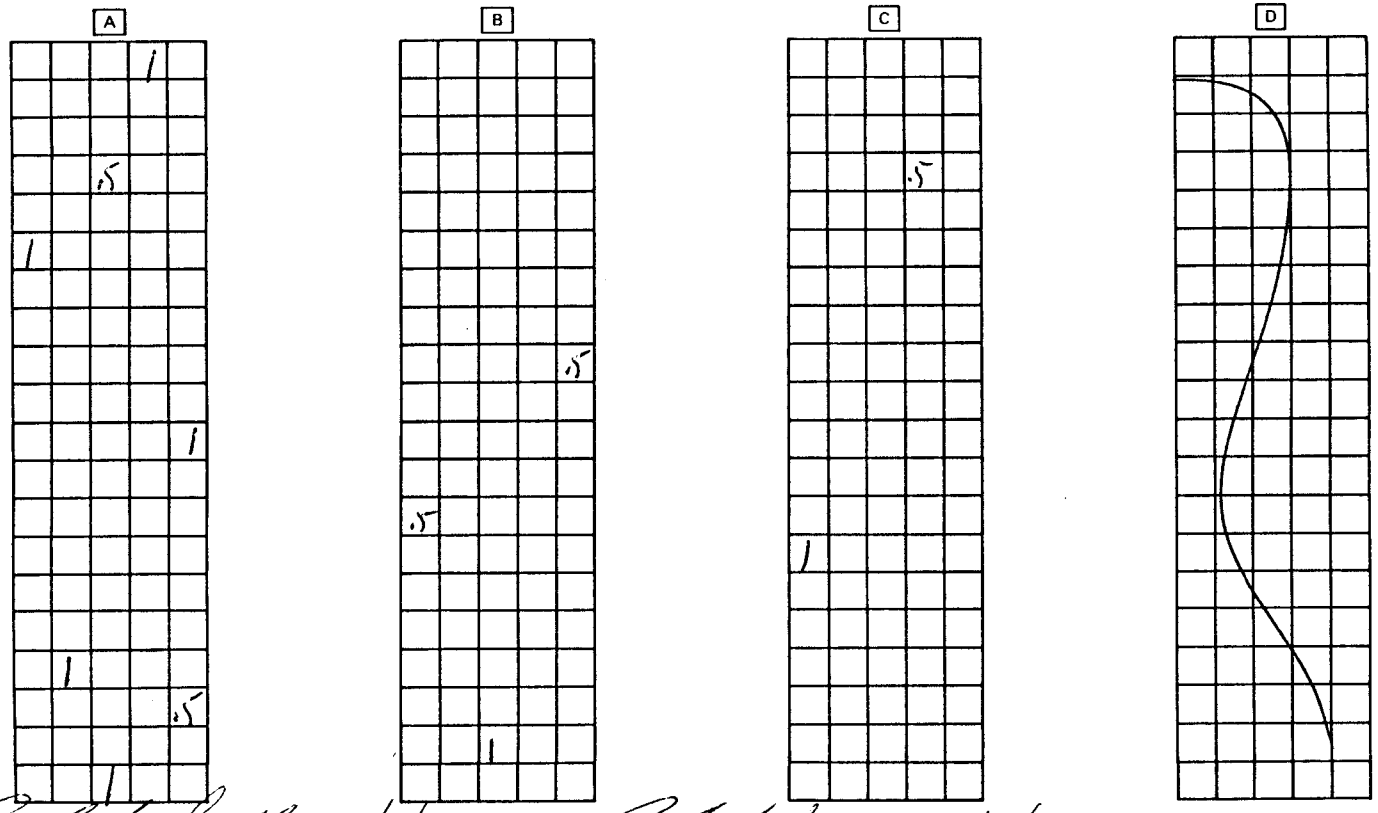
Field Area: (Check One) ☑ .00785 ☐ .00801 ☐ .00754 ☐ .00817 ☐ .00724

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



Carol A. Smith 10/5/94
FIELD TECH. DATE

Carol A. Smith 10/5/94
ANALYST DATE

NEW Executive Office Building

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	18294	13	3632	2.5	2.5	2.5	1933	0235	422	1055	12	100	8	0.12	0.005
A	Notes: Area Sample: NEOB, #2nd floor, Inside containment, In executive cafeteria.														
B	18304	14	2068	10.0	10.0	10.0	0245	0445	120	1200	8	100	8	0.08	0.003
B	Notes: Final Sample: NEOB, #2nd floor, Inside containment, In executive cafeteria														
C	18314	15	0072	10.0	10.0	10.0	0245	0445	120	1200	10	100	8	0.10	0.004
C	Notes: Final Sample: NEOB #2nd floor, Inside containment, In executive cafeteria.														
D	18324	16									8	100	8	–	8
D	Notes: Blank Sample:														

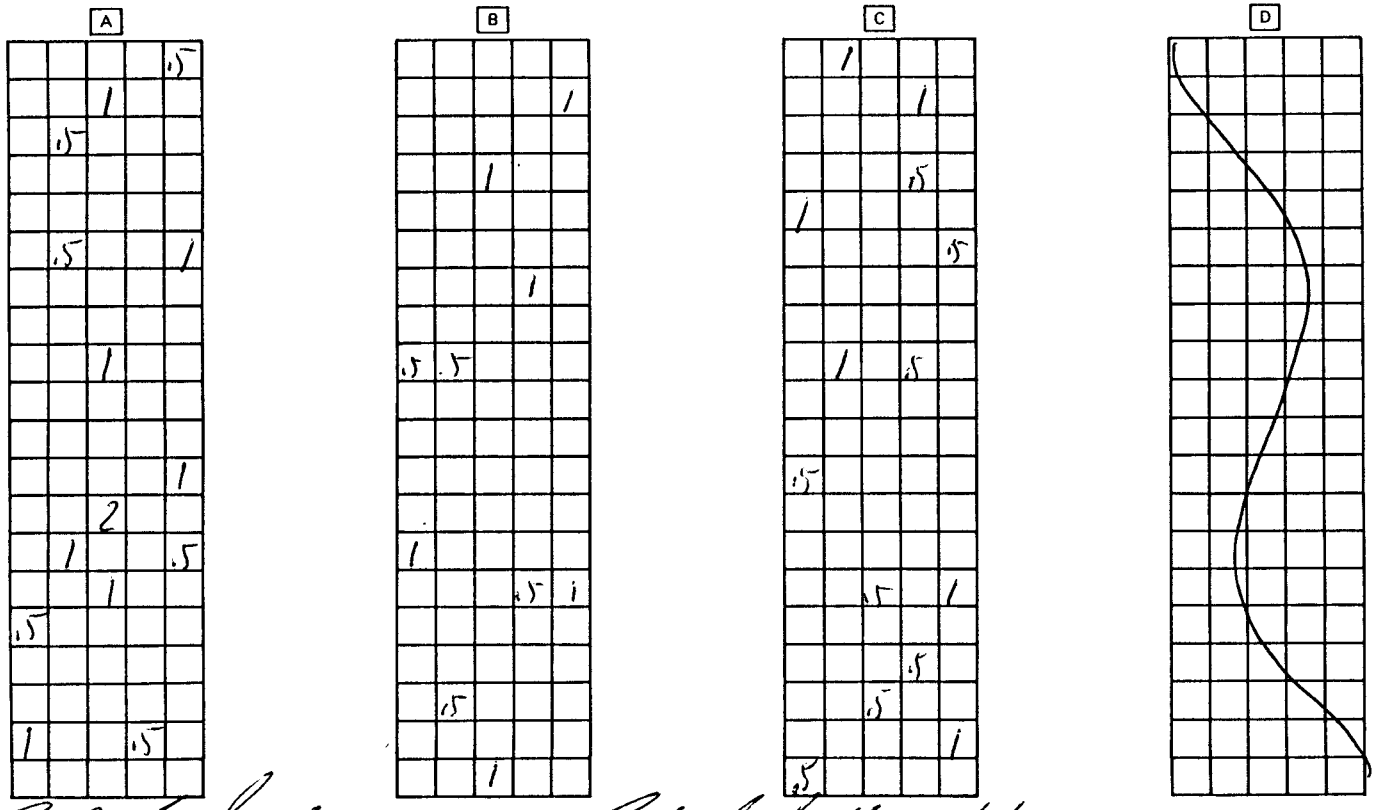
Field Area (Check One): ☑ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



Paul A. Suttle 10/4/94 — FIELD TECH. DATE

Paul A. Suttle 10/4/94 — ANALYST DATE

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building Project: 6486-012

Location: #755 #17th St. NW. Wash. DC. Date: Oct. 4, 1994

Removal Contractor: Retro Time Inspected: 1910

Monitoring Contractor: Tracor Time Work Started: 1920

Inspection Category	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	N/A	
	e. "Microtrap" in use	yes	
	f. Negative pressure > .02"	yes	
2. Signage	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	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 A half face PAPR ____ TYP"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. No Eating/Drinking	YES	

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: Carl A. Butler Date: 10/4/94

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: 6486-012

Location: #755 #17 St. NW. Wash. DC Date: Oct. 4, 1994

Removal Contractor: Retro Time Started: 1900

Monitoring Contractor: Tracor Time Stopped: 0500

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	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > .03"	YES	
2. Signage	a. Caution Signs at vestibule entry.	YES	
	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 A half face PAPR ___ TYP "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. No Eating/Drinking	YES	

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

Report Prepared By: [signature] Date: 10/4/94

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building Project: 6486-012

Location: #755 + 17th St. NW. Wash. DC Date: Oct. 4, 1994

Removal Contractor: Retro Time Inspected: 0200

Monitoring Contractor: Tracor Time Completed: 0215

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:	14	15			
Location:	#2nd floor cafeteria				
Volume (Liters):	1200	1200			
Flow rate: (Liters/Minute)	10.0	10.0			
Fibers/Filter:	8	10			
Fibers/Cubic Cm:	0.003	0.004			

ANALYST ANALYZING SAMPLES: Carl A. Butler DATE: Oct 4, 1994

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

Report Prepared By: Carl A. Butler Date: Oct. 4, 1994

REPORT REVIEWED BY: _____ DATE: _____

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building Project: 64/86-012

Location: #755 #17th St. NW Wash. DC Date: Oct. 3, 1994

Removal Contractor: Retro Time Inspected: 1905

Monitoring Contractor: Tracor Time Work Started: 1915

Inspection Category	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	N/A	
	e. "Microtrap" in use	Yes	
	f. Negative pressure > .02"	Yes	
2. Signage	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	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 A half face PAPR ___ TYP"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. No Eating/Drinking	Yes	

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: 10/3/94

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: 64/86-012

Location: #755 #17th St. NW. Wash. DC. Date: Oct. 5, 1994

Removal Contractor: Retro Time Started: 1900

Monitoring Contractor: Tracor Time Stopped: 0500

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	N/A	
	d. Seals around ducts, windows and doors	Yes	
	e. "Negative air machine" in use	Yes	
	f. Negative pressure > .03"	Yes	
2. Signage	a. Caution Signs at vestibule entry.	Yes	
	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 A half face PAPR ___ TYP"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. No Eating/Drinking	YES	

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

Report Prepared By: Paul A. Butler Date: 10/5/94

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building Project: 6486-012

Location: #755 #17th St. NW. Wash. DC. Date: Oct. 3, 1994

Removal Contractor: Retro Time Inspected: 0200

Monitoring Contractor: Tracor Time Completed: 0215

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.	YES	
(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:	6	7			
Location:	2nd floor	cafeteria.			
Volume (Liters):	1200	1200			
Flow rate: (Liters/Minute)	10.0	10.0			
Fibers/Filter:	1	2			
Fibers/Cubic Cm:	<0.002	<0.002			

ANALYST ANALYZING SAMPLES: Paul A. Butler DATE: Oct. 3, 1994

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

Report Prepared By: Paul A. Butler Date: Oct. 3, 1994

REPORT REVIEWED BY: _____ DATE: _____

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building Project: 6486-012

Location: #755 #17th St. NW Wash. DC. Date: Oct. 5, 1994

Removal Contractor: Retro Time Inspected: 1900

Monitoring Contractor: Tracor Time Work Started: 1920

Inspection Category	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	N/A	
	e. "Microtrap" in use	yes	
	f. Negative pressure > .02"	yes	
2. Signage	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	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 A half face PAPR ____ TYP "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. No Eating/Drinking	Yes	

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: Paul A. Sutter Date: 10/5/94

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: 6486-012

Location: #755 17th St NW. Wash. N. Date: Oct. 3 1994

Removal Contractor: Retro Time Started: 1900

Monitoring Contractor: Tracor Time Stopped: 0500

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	N/A	
	d. Seals around ducts, windows and doors	Yes	
	e. "Negative air machine" in use	Yes	
	f. Negative pressure > .03"	Yes	
2. Signage	a. Caution Signs at vestibule entry.	Yes	
	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 A half face PAPR ___ TYP "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. No Eating/Drinking	YES	

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

Report Prepared By: Paul A. Battle Date: 10/3/94

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: Old Executive Office Building Project: 6486-012

Location: #755 #17th St. NW. Wash. DC. Date: Oct. 5. 1994

Removal Contractor: Retro Time Inspected: 0200

Monitoring Contractor: Tracor Time Completed: 0215

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:	22	23			
Location:	#2nd floor	Cafeteria			
Volume (Liters):	1200	1200			
Flow rate: (Liters/Minute)	10.0	10.0			
Fibers/Filter:	2	1.5			
Fibers/Cubic Cm:	<0.002	<0.002			

ANALYST ANALYZING SAMPLES: Carl A. Butler DATE: Oct. 5 1994

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

Report Prepared By: Carl A. Butler Date: Oct. 5, 1994

REPORT REVIEWED BY: _____ DATE: _____

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

10/12/94

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012	188794	1	10/10/94	INS	< 0.005
6486012	188894	2	10/10/94	OUT	< 0.004
6486012	188994	3	10/10/94	OUT	< 0.004
6486012	189094	4	10/10/94	OUT	< 0.004
6486012	189194	5	10/10/94	OUT	< 0.004
6486012	189294	6	10/10/94	OUT	< 0.004
6486012	189394	7	10/10/94	FIN	< 0.004
6486012	189494	8	10/10/94	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 A. EDWARDS
LABORATORY MANAGER

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	188794	01	5113	2.5	2.5	2.5	1925	—	400	1000	5	100	—	5	<0.01
A	Notes: INSIDE CONTAINMENT														
B	188894	02	5969	2.5			1925	0410	525	1313	1.5	100	—	1.5	<0.01
B	Notes: AT DECON IN CAFETERIA GOLD CARPET AREA														
C	188994	03	5967	2.5	2.5	2.5	1925	0410	525	1313	0.5	100	—	0.5	<0.01
C	Notes: STAIRWELL #2 ON SECOND FLOOR														
D	189094	04	92-32	2.5	2.5	2.5	1950	0410	500	1250	5	100	—	5	<0.01
D	Notes: AT CONTAINMENT PERIMETER WALL IN CAFETEREA														

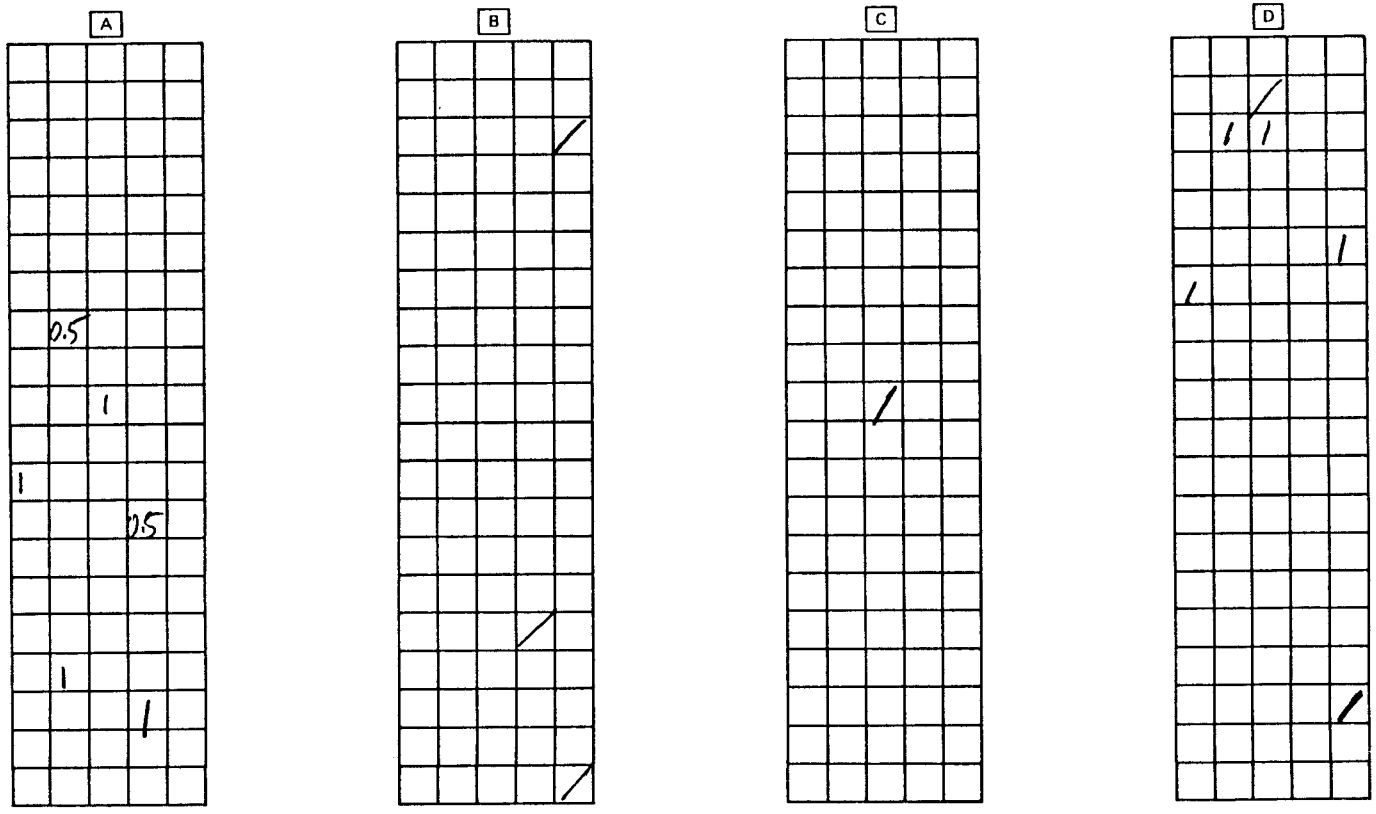
Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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. — 10/10/94 DATE

DUNN — ANALYST — 10/10/94 DATE

Tracor Technology Resources — Air Sample Sheet

Project # 6486-012

1601 Research Boulevard
Rockville, Maryland 20850

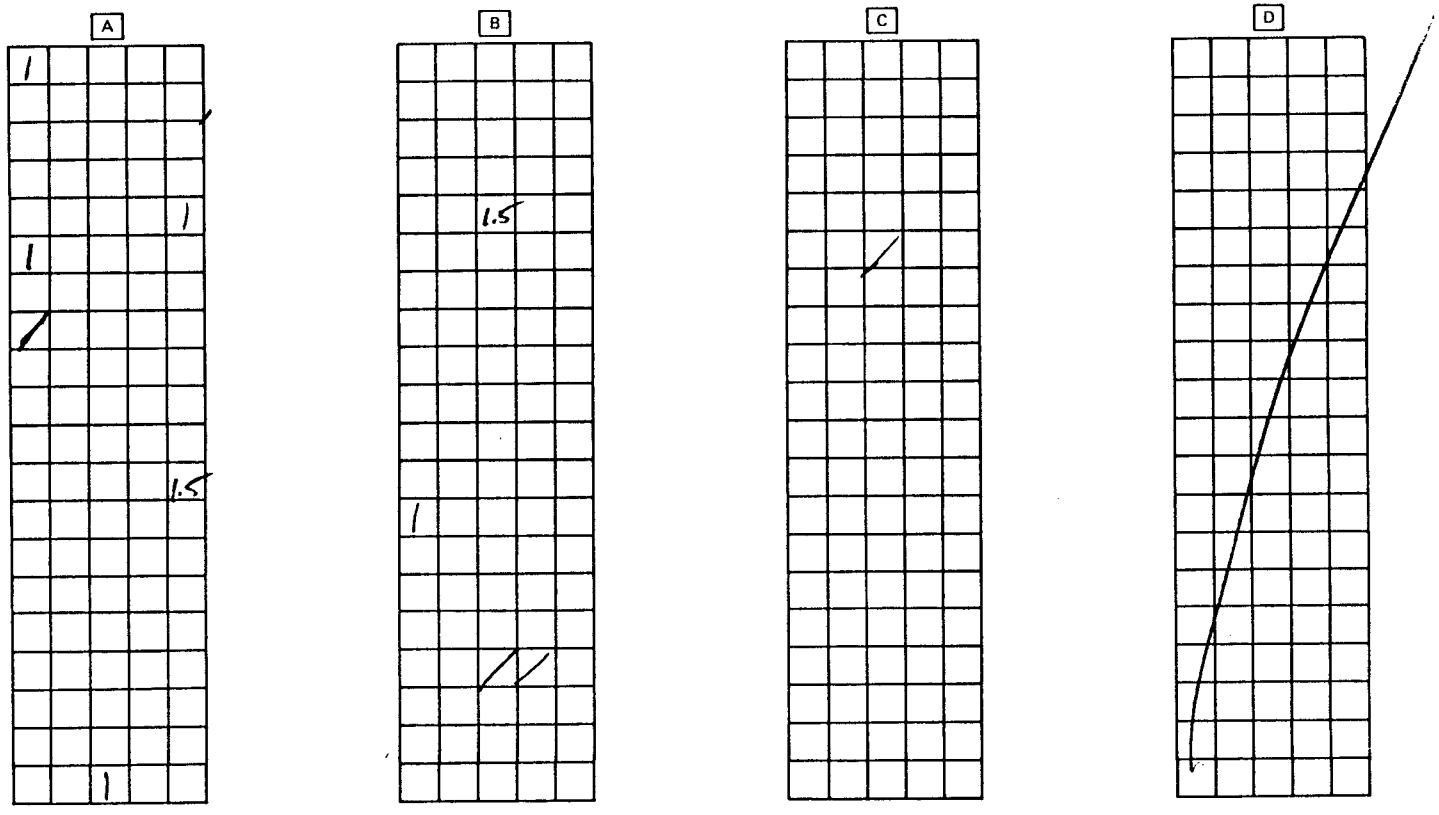
	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	189194	05	5972	2.5	2.5	2.5	1950	0412	502	1255	6	100	—	6	<0.01
A	Notes: CAFETERIA														
B	189294	06	5112	2.5	2.7	2.6	1950	0412	502	1305	3.5	100	—	3.5	<0.01
B	Notes: CAFETERIA														
C	189394	07		10	10	10	0205	0405	120	1200	0.5	100	—	0.5	<0.01
C	Notes:														
D	189494	08		10	10	10	0205	0405	120	1200	0	100	—	0	<0.01
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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



Scott Dunn — FIELD TECH. — 10/10/94 DATE

Dunn — ANALYST — 10/10/94 DATE

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: Sprinklers

Location: Cafeteria Date: 10/10/94

Removal Contractor: RETRO Time Started: 1900

Monitoring Contractor: TRACOR 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	N/A	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure > .03" >0.02"	observed	
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.	✓	

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: Scott Dunn Date: 10/11/94

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: SPRINKLERS

Location: CAFETERIA Date: 10/10/94

Removal Contractor: RETRO Time Inspected: —

Monitoring Contractor: TRACOR Time Completed: 0200

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.		N/A
	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:					
Location:	Inside Work Area				
Volume (Liters):	1200	1200			
Flow rate: (Liters/Minute)	10	10			
Fibers/Filter:					
Fibers/Cubic Cm:	<0.005	<0.005			

ANALYST ANALYZING SAMPLES: SCOTT DUNN DATE: 10/11/94

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

The area was not visually inspected at the completion of the project. Final Samples were collected while pipe fitters were still above the ceiling. Area did not have visible dust in area and Retro encapsulated.

Report Prepared By: SCOTT DUNN Date: 10/11/94

REPORT REVIEWED BY: DATE:

LOG SHEET

Date: 10 October 1994
Project Number: 6486-012
Industrial Hygienist: Scott Dunn
Contractor/Supervisor: Retro Environmental/Ronald Tub.

Time	Remarks
18:50	Tracor arrives on job site. Retro workers on site and pipefitters arrive shortly after.
19:00	TTR and other contractors check in with Secret Service. Only one escort is available so far. It makes it very difficult to perform work having to wait for escorts. Sometimes Secret Service allows TTR a "Worker" badge (no escort required). When the worker badge is issued, it allows TTR to perform more efficient work.
20:00	Retro sets up containment. The shower was utilized for weekend work in this building. Workers reinstall shower to existing containment. Automatic Sprinkler workers wait for Retro to prepare the work area.
21:00	Automatic begins setting up. The containment is recycled every night. The containment reconstruction has been completed. Retro constructing a one-stage unit at the south end of cafeteria in order for Automatic Sprinkler to send pipe materials above the plaster ceiling
21:25	One of the lights gets knocked down by the pipefitters. Retro cleans up area immediately with HEPA vacuums.
22:00	Pipe fitters continue with work. There are three workers above the ceiling and two down below.
23:00	Pipe fitters come out of work area for a lunch break.
24:00	Pipefitters off lunch break and have pressure test running in the entire cafeteria..
01:00	Pipe fitters continue with work. Herb Pankey arrives at job site. No unusual occurrences observed.
02:00	Automatic Sprinkler continues work. Final air samples are set up. The final air samples have been set up according to the conversation with Herb Pankey on Thursday (10/7/94). Mr. Pankey stated that Final Air Samples could be collected prior to a visual inspection and prior to the completion of work. Air samples will be collected at 04:05.
04:00	Final Air Samples collected. The two final air samples are prepped for analysis as well as the six area air samples.
05:00	Final air samples analyzed and meet established criteria of <0.01 f/cc. Retro leaves containment standing and will take down tomorrow night. TTR leaves job site.

Page #_____

LOG SHEET

Date: 13 Oct 94.

Project Number: 6486-012

Industrial Hygienist: Chris Charuhas

Abatement Contractor/Supervisor: Retro / Ro[redacted]

Time	Remarks
1900	Arrived on site
1915	Containment being constructed
1945	Work begins in small side room
2200	Work ends in small side room
2210	Negative pressure unit operating in side room
2300	Workers return
2315	Workers begin work in Conference room containment,
	~~other~~ large side room
0250	Work completed

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Project: 6486-017

Location: Conference Room Date: 13 Oct 94

Removal Contractor: Retro Time Inspected: 1930

Monitoring Contractor: Tracor Time Work Started: 1945

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. "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.	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."

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: [signature] Date: 13 Oct 94

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486-012

Location: _____ Date: 13 Oct 94

Removal Contractor: Retro Time Started: 1900

Monitoring Contractor: _____ 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		
	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.	n/A	
	b. OSHA SIGN (ASBESTOS)	n/A	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, saws, etc. NOT in use.	✓	
	b. Removed ~~Material~~ Suits 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	✓	
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: 13 Oct 94

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: 648K012

Location: Conference Room Date: 13Oct94

Removal Contractor: Retro Time Inspected: ~~0300~~ 0230

Monitoring Contractor: Tracor Time Completed: 0300

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:	1119	0491	0791		
Location:	Side rm	side rm	conf rm		
Volume (Liters):	1200	1200	1200		
Flow rate: (Liters/Minute)	10	10	10		
Fibers/Filter:	9.5	15	15.5		
Fibers/Cubic Cm:	<.01	<.01	<.01		

ANALYST ANALYZING SAMPLES: [signature] DATE: 14 Oct 94

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

Report Prepared By: [signature] Date: 14 Oct 94

REPORT REVIEWED BY: _____ DATE: _____

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

11/23/94

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012	279194	1	10/13/94	OUT	< 0.005
6486012	279294	2	10/13/94	OUT	0.007
6486012	279394	3	10/13/94	OUT	< 0.005
6486012	279494	4	10/13/94	INS	0.011
6486012	279594	5	10/13/94	OUT	0.006
6486012	279694	6	10/13/94	OUT	< 0.002
6486012	279794	7	10/13/94	OUT	0.003
6486012	279894	8	10/13/94	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 L. EDWARDS
LABORATORY MANAGER

Tracor Technology Resources — **Air Sample Sheet**

Project # 648612

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	279194	01	533205	2.5			2100	0320	380	950	7	100			<.01
A	Notes: Weight Rm														
B	279294	02	533376	2.5			2100	0315	375	937.5	12.5	100			<.01
B	Notes: Conference Rm - Far corner														
C	279594	05	533358	2.5			2100	0315	375	937.5	11.5	100			<.01
C	Notes: Conference Rm - table outside containment														
D	279494	03	533934	2.5			2100	0320	380	950	7.5	100			<.01
D	Notes: Conference Rm - table in mid of rm														

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

0	0	1	0	0
0	0	0	0	0
0	0	0	0	1
0	1	0	0	0
0	0	0	1	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	1	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	1
1	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

B

0	0	0	1	0
1	0	0	.5	0
1	0	0	0	0
0	0	0	0	0
0	0	0	.5	0
0	1	0	0	0
0	0	0	0	1
0	0	0	0	0
0	0	0	.5	0
0	0	0	1	0
0	0	0	0	0
0	0	0	0	0
0	0	0	1	0
0	1	0	0	0
0	0	0	0	1
0	1	0	0	0
.5	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	.5	0	0

C

0	0	1	0	0
1	0	0	0	0
0	0	0	0	0
0	1	0	0	0
0	0	0	1	0
0	0	0	0	0
0	0	0	0	0
0	0	1	0	0
0	0	0	0	0
0	0	1	0	0
0	0	0	1	0
0	0	0	0	0
.5	0	0	0	0
0	0	0	0	0
0	0	0	1	1
0	0	0	0	1
0	0	0	0	0
0	0	0	0	0
0	1	0	0	0
0	0	0	0	0

D

0	0	0	0	0
0	0	0	0	0
0	0	1	0	1
0	0	0	0	0
0	0	0	0	0
0	.5	0	0	0
0	0	0	0	0
0	1	0	0	0
0	0	1	0	0
0	0	0	0	0
0	0	1	0	0
0	0	0	0	0
0	0	0	0	0
0	0	1	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	1	0	0	0

FIELD TECH. 10/13/94 DATE

ANALYST 10/13/94 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	279994	04	533042	2.5			2100	0315	375	937.5	19.5	100			.01
A	Notes: Inside Containment														
B															
B	Notes:														
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				
2	1	0	0	0
0	0	0	0	1
0	0	0	0	1
.5	0	0	0	0
0	0	0	0	0
0	0	1	0	0
.5	0	1	0	0
0	0	0	0	0
0	0	0	0	0
0	1	0	0	0
1	1	0	.5	0
0	0	.5	0	1
0	0	0	0	0
0	0	0	0	0
0	1	0	1	0
1	0	1	1	0
0	0	0	1	0
0	0	0	0	0
0	0	0	0	0
0	.5	0	0	0

B

C

D

FIELD TECH. — DATE 10/13/94

ANALYST — DATE 10/13/94

Tracor Technology Resources — Air Sample Sheet

Project # _____

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															
A	Notes:														
B															
B	Notes:														
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

FIELD TECH. _____ DATE _____

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	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	279694	06	1119	1200	1200	1200	0320	0520	~~840~~ 120	~~1680~~ 2400	9.5	100			<.01
A	Notes:														
B	279794	07	0491	1200	1200	1200	0300	0500	~~840~~ 120	~~1680~~ 2400	1.5	100			<.01
B	Notes: Small side room														
C	279894	08	0791	1200	1200	1200	0250	0450	~~840~~ 120	~~1680~~ 2400	15.5	100			<.01
C	Notes: Conference Room Containment														
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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A

0	0	0	0	0
0	0	1	0	0
0	0	0	0	0
0	0	1	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
1	0	0	0	0
0	0	0	0	0
2	0	0	0	.5
0	0	0	0	0
1	0	0	0	0
0	0	0	0	0
0	0	0	0	.5
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	1	0	1	0
.5	0	0	0	0

B

0	0	0	.5	0
0	.5	0	0	0
0	0	0	0	0
1	0	0	0	0
.5	0	0	1	0
1	0	0	0	1
0	0	0	0	0
0	0	1	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	1
0	0	0	1	0
0	0	1	0	0
0	0	0	1	0
0	0	0	0	0
.5	0	.5	1	0
0	0	1	0	0
0	0	1	0	0
0	0	0	.5	0
0	1	0	0	0

C

0	0	.5	0	0
0	0	0	1	.5
0	0	0	0	0
.5	0	0	0	0
0	0	0	0	0
0	0	0	0	0
1	.5	.5	.5	0
1	0	0	1	1
0	0	0	0	0
0	.5	0	0	0
.5	0	0	0	0
0	0	.5	0	1
0	0	0	0	0
0	0	.5	0	0
0	1	0	0	0
0	0	0	0	0
0	0	0	0	0
1	0	0	0	0
0	0	1	0	0
0	0	0	.5	0

D

FIELD TECH. DATE 10/13/94

ANALYST DATE 10/13/94

Page #_____

LOG SHEET

Date: 10/19

Project Number: 6486012

Industrial Hygienist: Chris Charuhas

Abatement Contractor/Supervisor: Ron/Retro

Time	Remarks
1900	Arrive on site
1945	Inspect containment
2000	Work begins in hallway containment,
	mini-containments, drilling holes in ceiling
	For pipes
2300	break
2330	Work resumes
0230	Inspect containment, Work ends
0300	Finals Run
0500	Finals stopped,
0530	Finals cleared

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: [redacted] AEOB Project: 6486 012

Location: [redacted] Penn Ave Date: 10/19

Removal Contractor: Retro Time Inspected: 1945

Monitoring Contractor: Tracor Time Work Started: 2000

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. "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.	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."

~~Clear bags needed to be filling holes in ceiling~~

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: [illegible] Date: 10/19

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: MEOB Project: 648601R

Location: 2nd Fl Date: 10/19

Removal Contractor: Retro Time Started: 2000

Monitoring Contractor: Tracor Time Stopped: 2230

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 > .02"	✓	
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.	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: 10/19/94

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: 6486012

Location: 2nd Fl Date: 10/19/94

Removal Contractor: Retro Time Inspected: 0230

Monitoring Contractor: Tracor Time Completed: 0245

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:	0691	0991W			
Location:	Cont	cont			
Volume (Liters):	1200	1200			
Flow rate: (Liters/Minute)	10	10			
Fibers/Filter:	2	0			
Fibers/Cubic Cm:	<.01	<.01			

ANALYST ANALYZING SAMPLES: [signature] DATE: 10/20/94

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

Report Prepared By: [signature] Date: 10/20/94

REPORT REVIEWED BY: _____ DATE: _____

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

12/23/94

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012	279994	1	10/19/94	OUT	< 0.005
6486012	280094	2	10/19/94	OUT	< 0.005
6486012	280194	3	10/19/94	OUT	< 0.005
6486012	280294	4	10/19/94	INS	< 0.005
6486012	280394	5	10/19/94	INS	< 0.002
6486012	280494	6	10/19/94	INS	< 0.002

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 — **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	279994	01	34	2.5	"	"	2000	0300	420	1050	4.5	100	0	4.5	<.01
A	Notes: In hallway														
B	280094	02	89	2.5	"	"	2000	0300	420	1050	0	100	0	0	<.01
B	Notes: In room														
C	280194	03	15	2.5	"	"	2000	0300	420	1050	3	100	0	3	<.01
C	Notes: Outside decon														
D	280294	04	92-32	2.5	"	"	2000	0300	420	1050	7	100	0	7	<.01
D	Notes: In Containment														

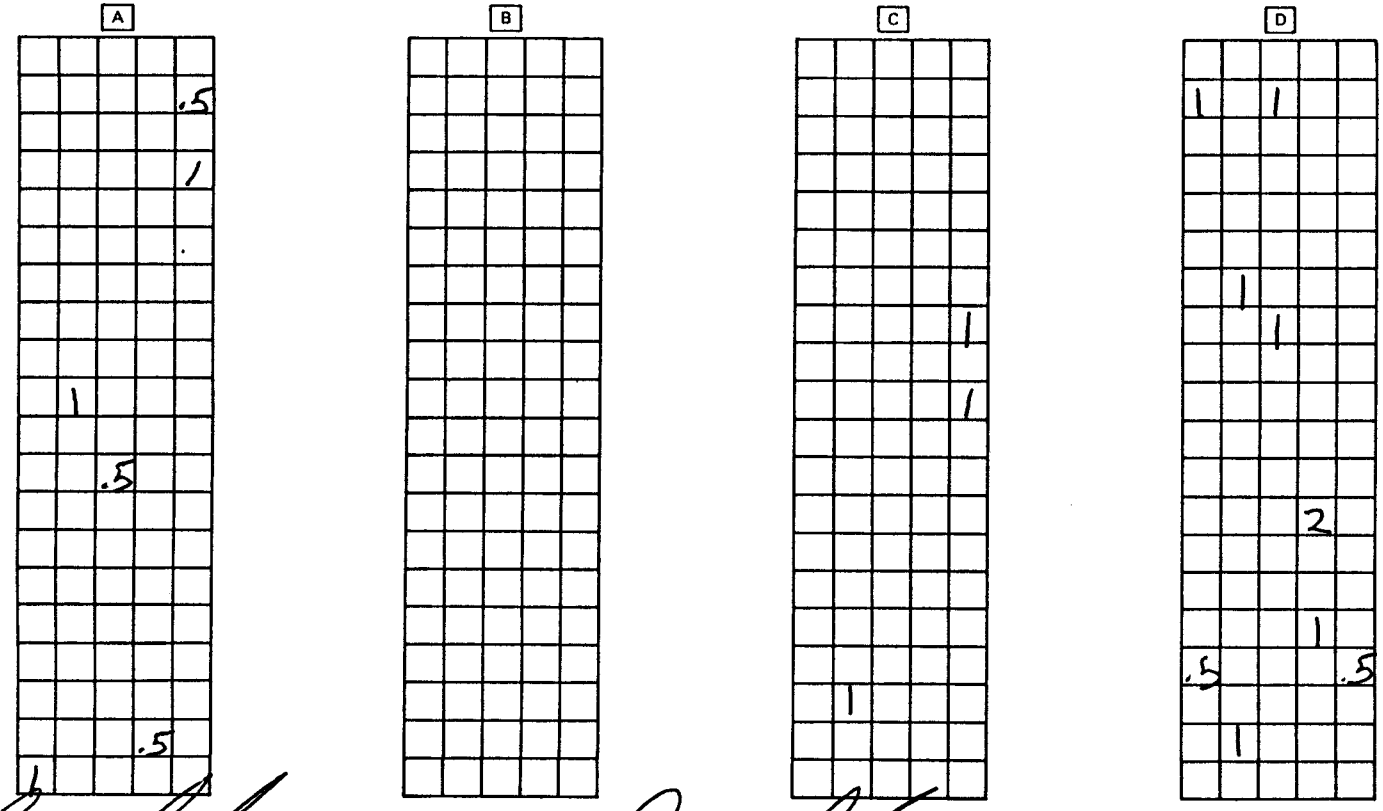
Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{\text{(Net Count/100) x Filter Area}}{\text{Field Area x Volume x 1000}}$



FIELD TECH. DATE 10/19/94

ANALYST DATE 10/19/94

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	280394	05	0691	1200	"	"	0300	0500	120	2400	2	100	0	2	<.01
A	Notes: In Containment														
B	280494	06	0991W	1200	"	"	0300	0500	120	2400	0	100	0	0	<.01
B	Notes: In Containment														
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				
				1
	1			

B				

C				

D				

[signature] 10/19/94
FIELD TECH. DATE

[signature] 10/19/94
ANALYST DATE

Page #_____

LOG SHEET

Date: 10/20/94

Project Number: 6486 012

Industrial Hygienist: Chris Charuhas

Abatement Contractor/Supervisor: Retra/Ron

Time	Remarks
1900	Arrive on site
1930	PipeFitters installing nozzles on pipes.
	Bags and mini-containments used for 10 min at
	each site.
	No air monitoring done.
2300	break
2330	Work resumes
0330	Work ends

Exhibit B

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Project: 6486 012

Location: _____ Date: 10/20

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	✓	
	b. Decontamination Curtains	n/A	
	c. Seals around ducts, windows and doors	✓	
	d. Vertical and Horizontal Openings	✓	
	e. "Microtrap" in use	n/A	
	f. Negative pressure > .02"	n/A	
2. Signage	a. Caution Signs at vestibule entry.	n/A	
	b. OSHA SIGN (ASBESTOS)	n/A	
	c. Dumpster, ducts, drums, and bags labelled	n/A	

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?	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."

PipeFitters installing pipe nozzles throughout building. Bags and mini-containments used at many different sites. Visually inspected - ok

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: [signature] Date: 10/20

Page #_____

LOG SHEET

Date: 10/24/94

Project Number: 6486 012

Industrial Hygienist: Chris Charuhas

Abatement Contractor/Supervisor: Retro / Ron

Time	Remarks
1900	Arrive on site
1915	- Told that no asbestos work being done that night.

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486 012

Location: _____ Date: 10/24

Removal Contractor: _____ Time Started: _____

Monitoring Contractor: Tracor Time Stopped: _____

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	NA	
	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."

No asbestos work done, but office not informed by GSA

Report Prepared By: [signature] Date: 10/25/94

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

11/15/94

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6486012	229394	1	11/12/94	OUT	0.006
6486012	229494	2	11/12/94	OUT	< 0.004
6486012	229594	3	11/12/94	OUT	0.006
6486012	229694	4	11/12/94	OUT	0.005
6486012	229794	5	11/12/94		OVERLOADED
6486012	229894	6	11/12/94		OVERLOADED
6486012	229994	7	11/12/94	OUT	VOIDED
6486012	230094	8	11/12/94	OUT	VOIDED
6486012	230194	9	11/12/94	OUT	< 0.004
6486012	230294	10	11/12/94	OUT	< 0.004
6486012	230394	11	11/12/94	OUT	< 0.004
6486012	230494	12	11/12/94	INS	< 0.004
6486012	230594	13	11/12/94	INS	< 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 J. EDWARDS
LABORATORY MANAGER

NEOB

Tracor Technology Resources — Air Sample Sheet

Project # 648012

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	229794	05	5967	2.5	2.5	2.5	0630	1400	450	1125	—	—	—	—	OL
A	Notes: In Containment														
B	229894	06	5972	2.5	2.5	2.5	0630	1400	450	1125	—	—	—	—	OL
B	Notes: In Containment														
C	229994	07		2.5			1400								
C	Notes: 1st Floor lobby — inside Barrier														
D	230094	08		2.5			1400								
D	Notes: AREA — 1st Floor lobby outside decon														

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 B C D

Overloaded with dust

background could only see large particles

B Denler 11/12/94
FIELD TECH. DATE

B Denler 11/12/94
ANALYST DATE

NEOB

Tracor Technology Resources — Air Sample Sheet

Project # 448601.01

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	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	229394	01	16	2.5	2.5	2.5	0630	1400	450	1125	14.5	100	–	14.5	<.01
A	Notes: Front Foyer														
B	229494	02	93	2.5	2.5	2.5	0630	1400	450	1125	8	100	–	8	<.01
B	Notes: Front Foyer														
C	229594	03	5113	2.5	2.5	2.5	0630	1400	450	1125	13.5	100	–	13.5	<.01
C	Notes: Top of Decon														
D	229694	04	23	2.5	2.5	2.5	0630	1400	450	1125	12	100	–	12	<.01
D	Notes: Back Foyer														

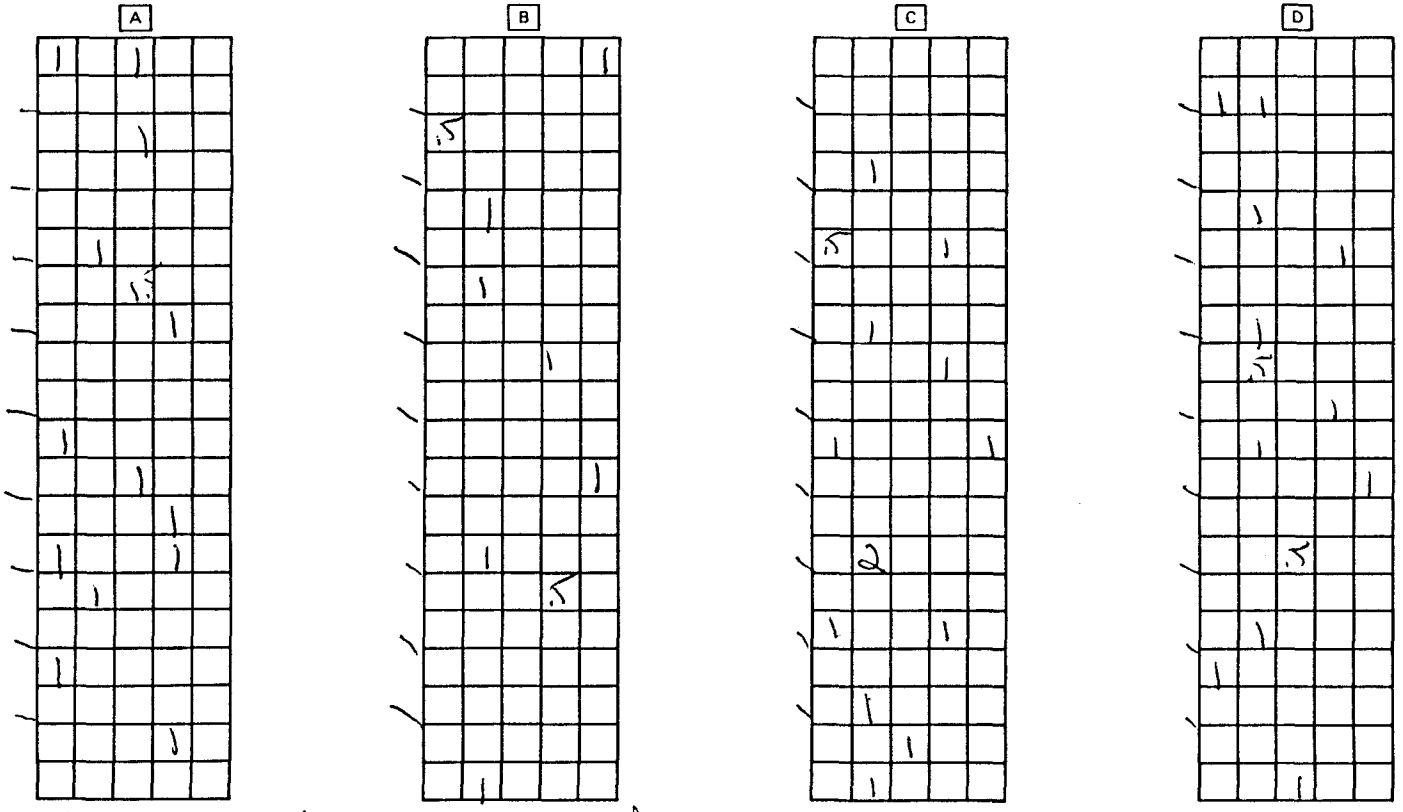
Field Area: (Check One) ☐ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



B Hendler 11/12/94
FIELD TECH. DATE

B Hendler 11/12/94
ANALYST DATE

Tracor Technology Resources — Air Sample Sheet

Project # 4,4,8,6,0,1,2

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	230194	09		2.5			1400	2215	495	1237.5	8.5	100	—	8.5	<.01
A	Notes: 1st Floor Bank lobby - outside barrier														
B	230294	10		2.5			1400	2215	495	1237.5	4	100	—	4	<.01
B	Notes: 1st Floor Front Lobby - outside barrier														
C	230394	11		2.5			1400	2215	495	1237.5	1	100	—	1	<.01
C	Notes: 1st Floor Front lobby - outside barrier														
D															
D	Notes:														

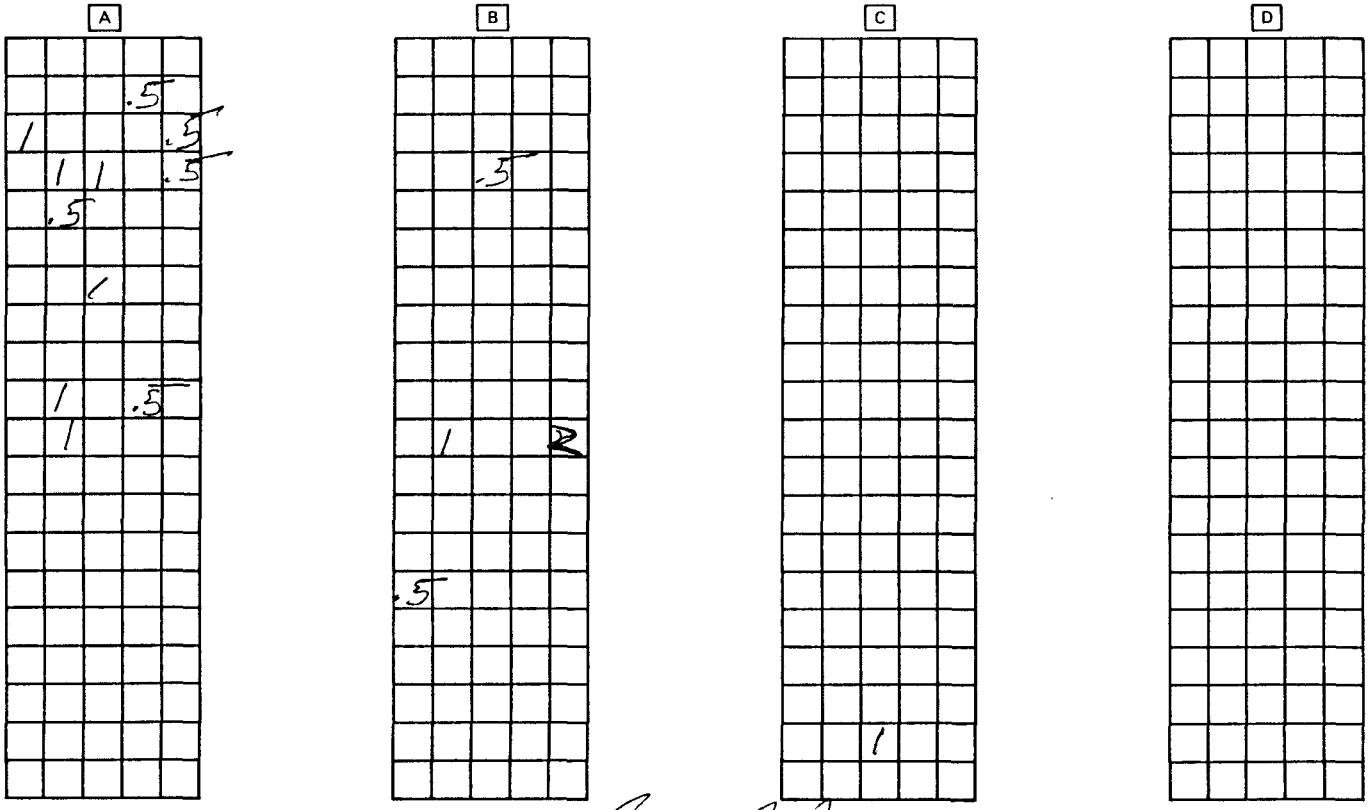
Field Area: (Check One) ☐ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



FIELD TECH. 11/12/94 DATE

ANALYST 11/12/94 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	230494	12	0987	10	11	11	2350	0050	120	1200	3.5	100	—	3.5	<.01
A	Notes:														
B	230594	13	0691	10	11	11	2350	0050	120	1200	2.5	100	—	2.5	<.01
B	Notes:														
C															
C	Notes:														
D															
D	Notes:														

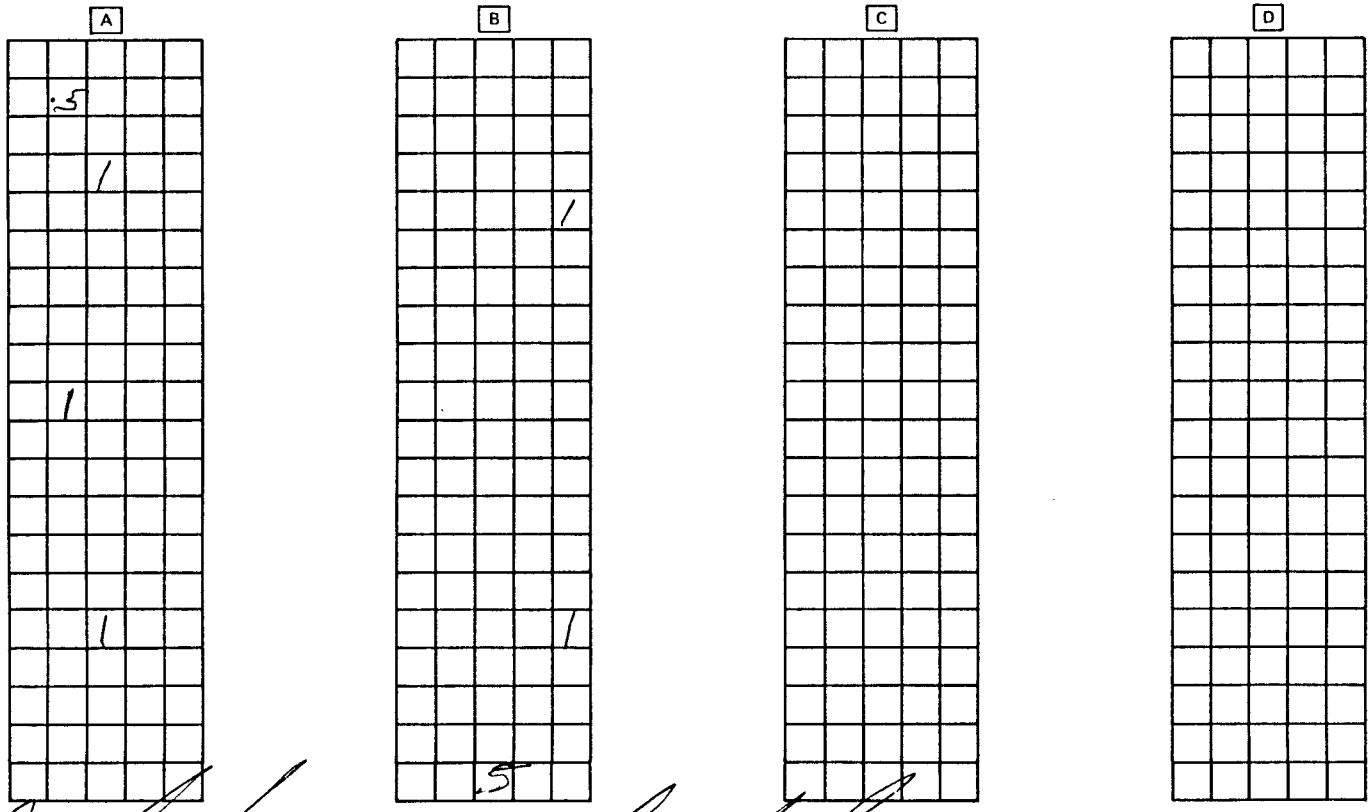
Field Area: (Check One) ☐ .00785 ☐ .00801 ☐ .00754 ☐ .00817 ☐ .00724

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



FIELD TECH. 11/12/94 DATE

ANALYST 11/12/94 DATE

6486-012

C.I.H. Inspection

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: Sprinklers

Location: Lobby Date: 11-12-94

Removal Contractor: Retro Time Started: 0700

Monitoring Contractor: Tracor Time Stopped: 0800

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	NA	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure > .03"	0.02	
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 problems observed.

Report Prepared By: [signature] Date: 11.12.94

11EOB

Page # 1

LOG SHEET

Date: 11/11 - 11/12/94

Project Number: 14586 012

Industrial Hygienist: Chris Charuhas

Abatement Contractor/Supervisor: Retro/Ron

Time	Remarks
1900	Workers on-site
1930	Containment construction begins
2100	Break
2130	Break ends, construction continues
0630	Work begins in containment
0700	Barrier inspection pressure -0.020 CIH inspection
	all fine
0900	work continues all fine -0.020"
1100	work continues neg pressure -0.016" Retro
	working to improve pressure.
1115	Pressure -0.028 all fine
1130	Work continues all fine
1400	Pull first set of pumps, set up second work continues
	all fine
1710	Workers on break all fine
1740	Workers return to work all fine
1810	electricians complete cleaning up equip automatic continues
2230	PipeFitters Finish
2300	~~abatement~~ asbestos containment crew cleaning up
2315	Final inspection
2335	Encapsulation Finished
2350	Final clearance begun
0050	" " ends

Exhibit B

GSA ASBESTOS ABATEMENT ~~SUPERVISOR~~ monitoring CHECKLIST

Building: MEOB Project: 6486-012

Location: 1st Floor lobby Date: ~~[illegible]~~ 11/12/94

Removal Contractor: Retro Time Inspected: 0700

Monitoring Contractor: Tracor 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. "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."

Minor fluxuations in pressure. Five is calling work.

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: B Denton Date: 11/12/91

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Project: 6486-012

Location: Date: 11/11-11/12

Removal Contractor: Retro Time Inspected: 0620

Monitoring Contractor: Tracor Time Work Started: 0630

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. "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."

Not wetting material inside containment

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: [signature] Date: 11/11/94

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

12/21/94

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
648601201	275294	1	12/17/94	OUT	0.007
648601201	275394	2	12/17/94	INS	0.260
648601201	275494	3	12/17/94	OUT	0.102
648601201	275594	4	12/17/94	OUT	OVERLOADED
648601201	275694	5	12/17/94	INS	OVERLOADED
648601201	275794	6	12/17/94	INS	0.009
648601201	275894	7	12/17/94	INS	0.004
648601201	275994	8	12/17/94	OUT	0.005
648601201	276094	9	12/17/94	OUT	0.006
648601201	276194	10	12/17/94	OUT	< 0.006
648601201	276294	11	12/17/94	FIN	< 0.004
648601201	276394	12	12/17/94	FIN	< 0.004
648601201	276494	13	12/17/94	FIN	< 0.004
648601201	276594	14	12/17/94	FIN	< 0.004
648601201	276694	15	12/17/94	FIN	< 0.004
648601201	276794	16	12/17/94	FIN	< 0.004
648601201	276894	17	12/18/94	FIN	BLANK= 0.00
648601201	276994	18	12/18/94	FIN	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

Tracor Technology Resources — Air Sample Sheet

1601 Research Boulevard
Rockville, Maryland 20850

Project # 6486-01201
NEOB 1B 1WA & 1WB

	Log #	Sample #	Pump ID	Flow Calibration Pre	Post	Liters/Min Mean	Time (Military) On	Off	Total (Min)	Volume	Count Data Total Count	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	275294	1	1	2.5	2.5	2.5	4:05	1130	457	1143	16	100	—	16	0.007
A	Notes: NORTH END BY MICRO TRAP & HAUST 1B 1WA-WB														
B	275394	2	2	2.5	2.5	2.5	4:14	1130	412	1030	109	20	—	545	0.26
B	Notes: INSIDE AREA 1B 1WA & WB 1B WA-WB														
C	275494	3	3	2.5	2.5	2.5	4:43	1130	412	1030	107	50	—	214	0.10
C	Notes: 15' SOUTH OF DECON 1B WA-WB														
D	275594	4	4	2.5	2.5	2.5	4:45	1130	409	1023	[illegible]				[illegible]
D	Notes: INTERSECTION HALL 1B WA-WB														

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	
	1			
		1		
1	1			
		1		
	1			
			1	
1				
		1		
1				
	1	1		
		1		

B

6	5	6	4	7
5	7	4	6	6
6	5	4	3	6
8	6	5	7	3

C

2	3	4	1	2
3	1	2	4	2
2	4	3	1	4
1	1	3	4	3
3	2	4	1	2
1	1	2	1	4
2	3	1	1	2
1	2	3	1	2
2	3	1	1	4
2	1	2	1	1

89

D

2				

FIELD TECH. 12-17-94 DATE

ANALYST 12/17/94 DATE

Tracor Technology Resources — Air Sample Sheet

1601 Research Boulevard
Rockville, Maryland 20850

Project # 6486.012.01
NEOB 1B - 1WA & 1WB

	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	275694	5	5	2.5	2.5	2.5	4:43	1130	411	1028	overload	[illegible]	[illegible]	[illegible]	OL
A	Notes: INSIDE Mini Enclosure Containment 1B/1WA/1WB														
B	275794	6	61	2.5			1132	7:B	456	1140	20	100	0	20	~~.0086~~ .009
B	Notes: INSIDE AREA 1B/1WA & WB 1B/WA-WB														
C	275894	7	14	2.5			1133	7:11	458	1145	10	100	0	10	<.004
C	Notes: INSIDE mini enclosure Containment 1B/1WA/1WB														
D	275994	8	01	2.5			1134	7:12	453	1132.5	12	100	0	12	.005
D	Notes: 15' south of Lucon														

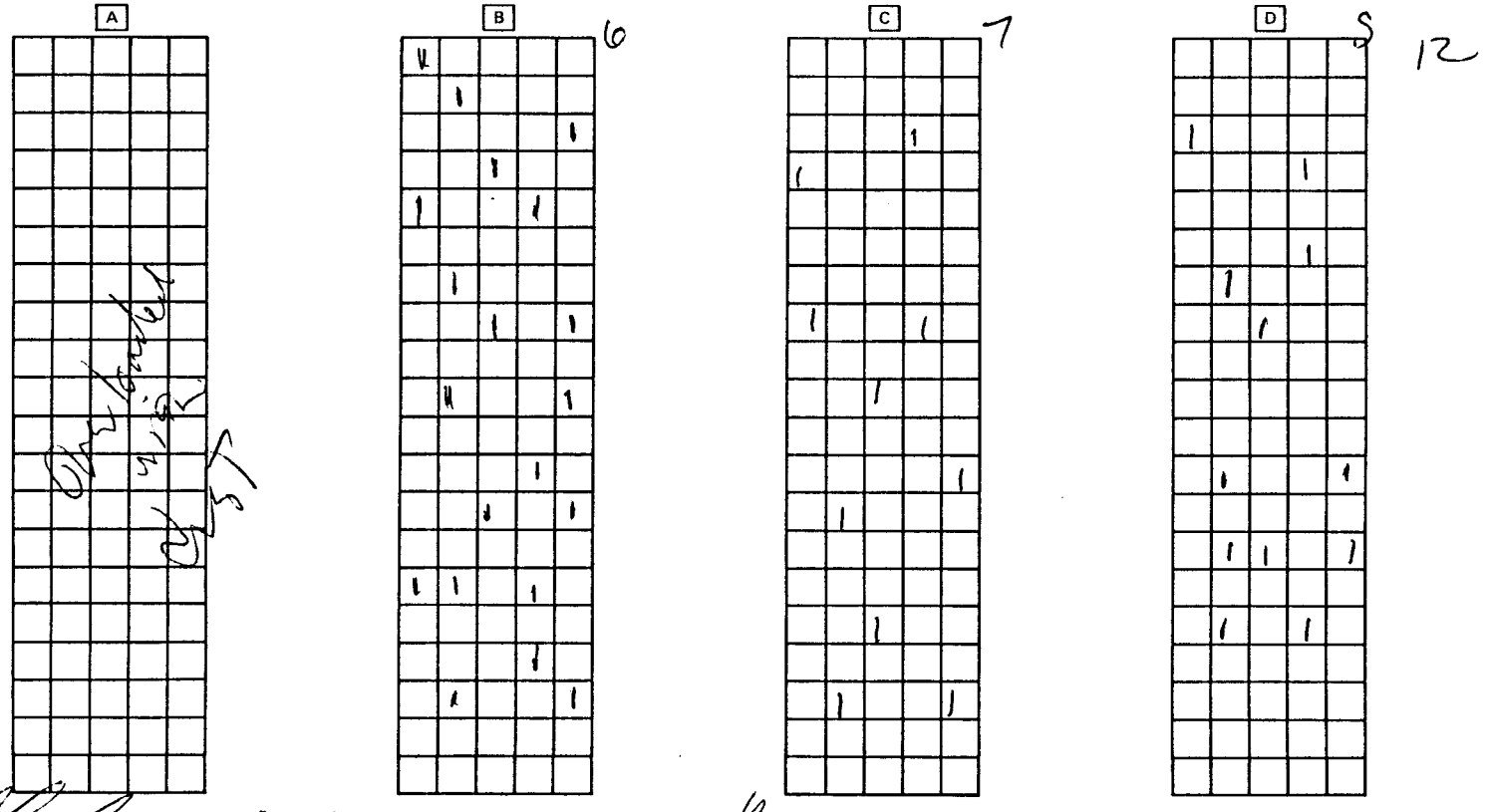
Field Area: (Check One) ☐ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



FIELD TECH. DATE

ANALYST DATE 10/17/94

Tracor Technology Resources — Air Sample Sheet

Project # 64,860,12,01

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	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	276094	9	13	2.5	2.5	2.5	1134	7:12	454	1135	15	100	0	15	.006
A	Notes: Intersection Hall														
B	276184	10	11	2.5	2.5	2.5	1140		353	882.5	5	100	0	5	<.006
B	Notes: North end by microtrap exhaust IB\WA-WB Low Battery														
C	276294	11		10.0	10.0	10.0	9:30	11:30	120	1200.	4	100	0	4	<.004
C	Notes: 20' North of Decon in Hall inside Inclosure Final														
D	276394	12		10.0	10.0	10.0	9:30	11:30	120	1200	1	100	0	1	<.004
D	Notes: 30' North of Decon in Enclosure in Shop to West of Hall Final														

Field Area: (Check One) ☐ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

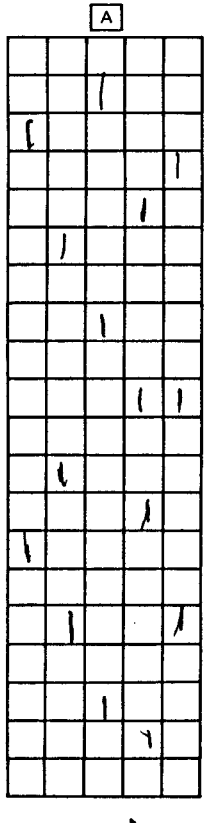
Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☑ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

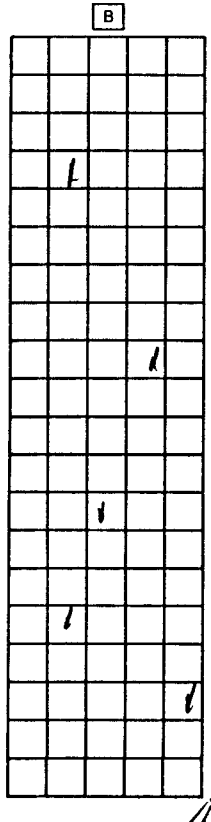
Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

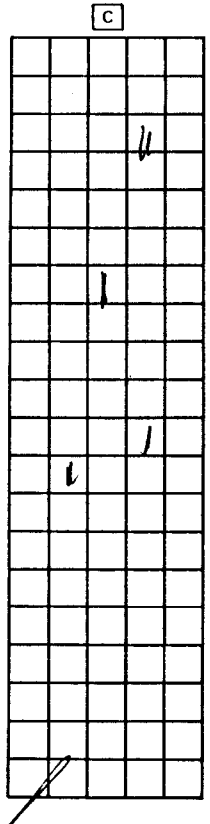
A — 9 — 15/100



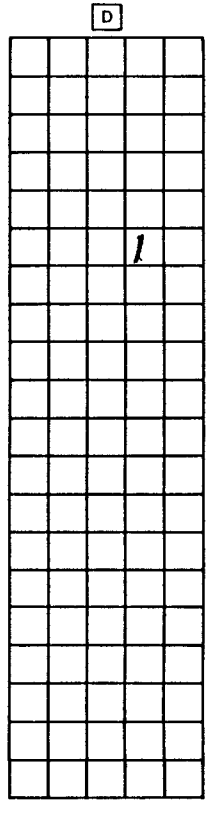
B — 10 — 5/100



C — 11 — 4/100



D — 12



FIELD TECH. DATE 12/17/94

ANALYST DATE 12-17-94

Tracor Technology Resources — Air Sample Sheet

Project # 164816012.01

1601 Research Boulevard
Rockville, Maryland 20850

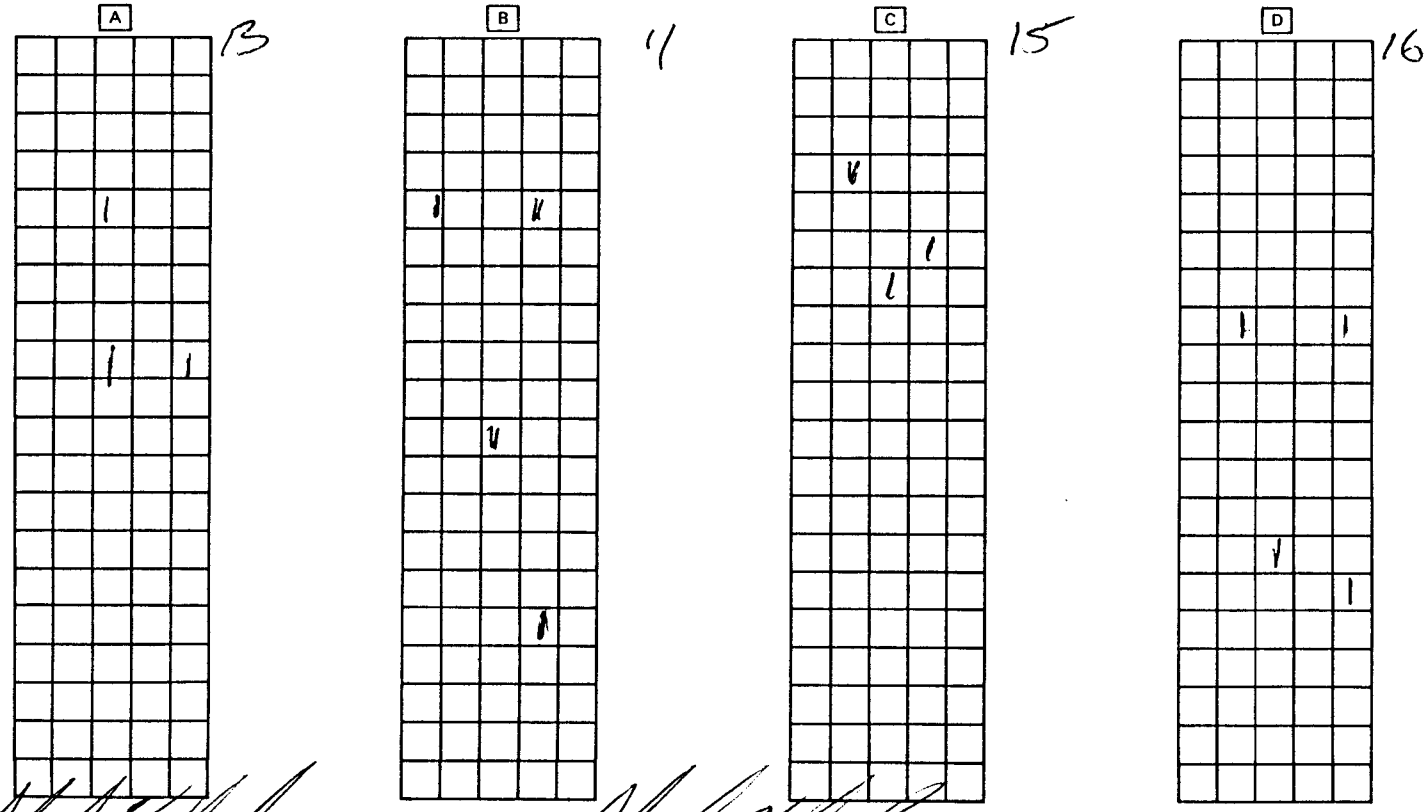
	Log #	Sample #	Pump ID	Flow Calibration Pre	Flow Calibration Post	Liters/Min Mean	Time (Military) On	Time (Military) Off	Total (Min)	Volume	Count Data: Total Count	Count Data: Fields Counted	Count Data: Blank Count	Count Data: Net Count	Fibers Per cc
A	276494	13		10.0	10.0	10.0	9:30	11:30	120	1200	3	100	0	3	0.004
A	Notes: IN KITCHEN LOCKER ROOM AREA WITH BLACK & WHITE TILES FINAL														
B	276594	14		10.0	10.0	10.0	9:30	11:30	120	1200	4	100	0	4	0.004
B	Notes: IN BACK HALL EAST OF STAIR ENTRANCE FINAL AIR														
C	276694	15		10.0	10.0	10.0	9:30	11:30	120	1200	3	100	0	3	0.004
C	Notes: CARMEN ROOM MINI. FINAL AIR														
D	276794	16		10.0	10.0	10.0	10:00	12:00	120	1200	4	100	0	4	0.004
D	Notes: MOORE MINI ENCLOSURE FINAL AIR														

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



FIELD TECH. 12-17-94 DATE

ANALYST 12-17-18-94 DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 6486-0101

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	276894	17									0	100	0		
A	Notes: BLANK														
B	276994	18									0	100	0		
B	Notes: BLANK														
C															
C	Notes:														
D															
D	Notes:														

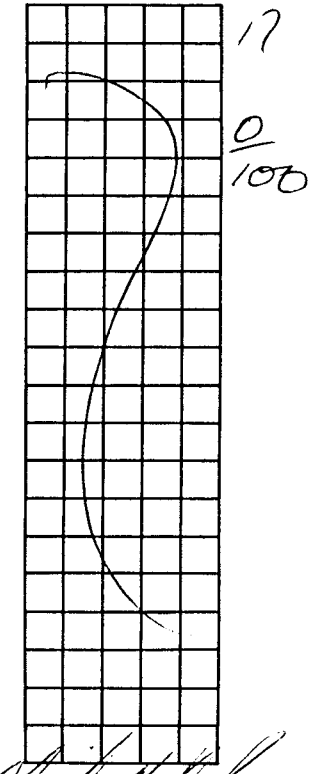
Field Area: (Check One) ☐ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

Filter Size ☐ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

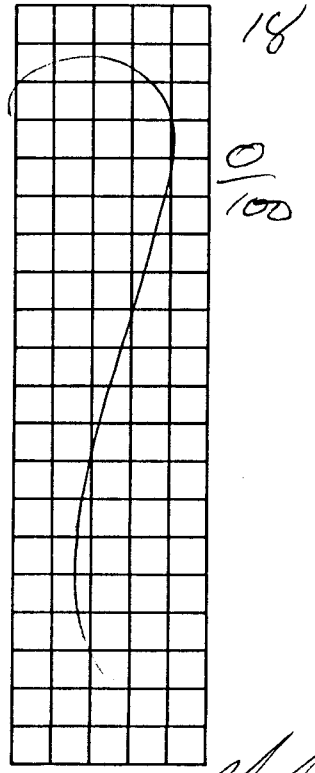
Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

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



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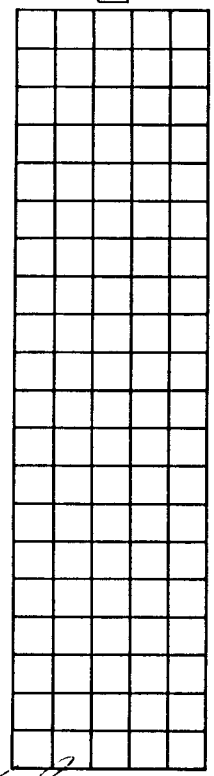

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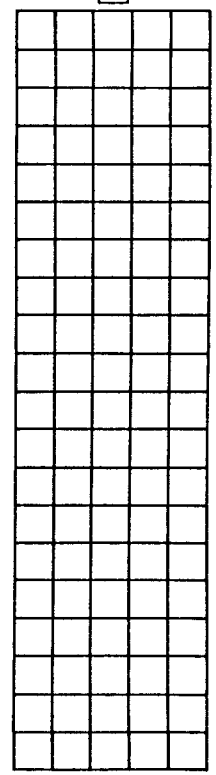


FIELD TECH. 12-18-91 DATE

ANALYST 12-18-91 DATE

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB | Project: 1486 012

Location: 1B 1WA & 1B 1WB BASEMENT NWEST SECTION | Date: 12-16-17-94

Removal Contractor: RETRO | Time Started: 7:00 PM

Monitoring Contractor: TRACOR | Time Stopped: 7:00 AM

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"	WAIVER	GSA PER BOB REEVES
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.	N/A	

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 YES HEPA YES PAPR YES TYP"C"	
	c. Proper Decontamination Sequence Followed	YES	
5. Showers	a. Functioning?	YES	
	b. Soap and Towels?	YES	
	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."

Report Prepared By: Charles E. Ellis II Date: 12-17-94

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Project: 6486-012

Location: Basement 1B Area 1WA & 1WB Date: 12-17-94

Removal Contractor: RETCO Time Inspected: 4:30

Monitoring Contractor: TRACER Time Work Started: 5:00

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. "Microtrap" in use	✓	
	f. Negative pressure > .02"	GSA WAIVE NEG AIR - SEE NOTE	
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 WAIVER NEG AIR - ALL WORK ABOVE PLASTER CEILING.
RETRO HAS 6 MICROTRAB WITHIN AREA

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: [signature] Date: 12-17-94

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 1.4SA.012

Location: 1B level Date: 12/17/94

Removal Contractor: Retro Time Started: 0700

Monitoring Contractor: TTR Time Stopped: 1900

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier		✓
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	Na	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure > .03"	waived by GSA	
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."

Wall had pattern increasing positive pressure Read pressure reported as "0"

Report Prepared By: [signature] Date: 12/17/19

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486-012

Location: Basement IB/WA&/WB Date: 12-17-18-94

Removal Contractor: RETRO Time Started: 7:00 PM

Monitoring Contractor: TRACER Time Stopped: 12:30 AM

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	✓ WAIVER By GSA- Per Bob Reeves	
	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.	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.	✓	
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."

Grunnmley Patchy Ceiling & Final Out

Report Prepared By: [signature] Date: _____

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: 6486-OR-01

Location: 1B Level Carp Shop Date: 12-18-18-94

Removal Contractor: RETRO Time Inspected: 7:00 PM

Monitoring Contractor: TLACOR Time Completed: 8:30 AM

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:	11	12	13	14	15	16
Location:	INSIDE ~~Hallway Floor~~	INSIDE	INSIDE	INSIDE	INSIDE	INSIDE
Volume (Liters):	1200	1200	1200	1200	1200	1200
Flow rate: (Liters/Minute)	10.0	10.0	10.0	10.0	10.0	10.0
Fibers/Filter:	4	1	3	4	3	4
Fibers/Cubic Cm:	<.004	<.004	<.004	<.004	<.004	<.004

ANALYST ANALYZING SAMPLES: [signature] DATE: 12-17-18-94

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

Report Prepared By: [signature] Date: 12-18-94

REPORT REVIEWED BY: _____ DATE: _____

Page #_____

LOG SHEET

Date: 12-16-94

Project Number: 6456.012

Industrial Hygienist: CHARLES E WILES JR

Abatement Contractor/Supervisor: RETRO / RON TUBONGBANGUA
BOB GEREKY

Time	Remarks
7:00	C. WILES ON SITE
	RETRO ON SITE WITH 9 MEN - GRUNNOY CHRIS HICHTOWER
7:30	RETRO SETTING UP CONTAINMENT ON FLOOR 1B
	AREAS 1WA & 1WB.
8:	SPOKE WITH BOB REEVOR - ALL WORK
	ABOVE CEILING. PLASTER - NEG AIR MACHINES
	REQUIRED BUT WAIVER -03 NEG AIR
9:30	RETRO CONTINUING TO SET UP AREA
10:30	TIM LEWINDOWSKI ON SITE -
11:30	RETRO CONTINUING TO SET UP AREA
1:30	RETRO 65-70% SET UP
3:30	RETRO SETTING UP DECON
4:00-4:45	SET UP PUMPS AND INSPECTED CONTAINMENT
4:50	SPRINKLER FITTERS MOVING PIPE INTO AREA
5:10	ELECTRICIAN ON SITE
5:30	PIPE FITTERS MOVE ALL PIPING INSIDE CONTAINMENT
6:00	PIPE FITTER CONTINUING TO MOVE PIPING INTO AREA
6:40	WROTE UP DAILY LOG. TOUCH BASE WITH
	RON TOBEY - SAID WORK SHOULD PROGRESS TODAY
	WITH NO DELAYS HOPEFULLY
7:00	BARRY ON SITE

Page # 1

LOG SHEET

Date: 12/17/94

Project Number: 6456012

Industrial Hygienist: Barry J Hamler

Abatement Contractor/Supervisor: Retro | Bob Reeves

Time	Remarks
0700	On site, project briefing, neg pressure waived by cfga
	workers on site installing systems all fine.
0730	Union & Automatic continue all fine barrier showing slight
	positive pressure.
0800	Work continues, barrier under slight positive pressure all
	else fine
0805	Union exit for break
0900	Union returns from break Automatic continues all fine
0930	AUTO on break all fine
1000	Work continues all fine
1130	Mini containment outside transformer vault for access in front of
	barrier, switch pumps with new set for afternoon
1200	Workers on lunch
1300	Workers reenter barrier all fine begin analysis of
	first set of pumps
1400	Analyzed samples two outside decon area show high dust
	levels from plaster work fiber like structures of all sizes
	microscope showed OK Workers continue informed results of
	Hi samples to clean more outside decon as precautionary
	measure. Most probably due to waiver of neg pressure
	as decon NOT under neg pressure.
1500	Bldg Staff shut off fans for zone Barrier under neg pressure
	will keep off till 1900 hours Neg pressure -0.012"
	Union closing up done for day
1600	Well found down a barrier filled turned ventilation fans back on
	No pressure in barrier, Automatic closing up

Page # 2

LOG SHEET

Date: 12/17/94

Project Number: 6484.012

Industrial Hygienist: B Hensler

Abatement Contractor/Supervisor: RETCO / Kenny

Time	Remarks
1700	automatic leaves site all fine no work later scheduled
	to show up at 21:00 to clean burner
1900	end of shift

Page #_____

LOG SHEET

Date: 12-17-18-94

Project Number: 6486-012-01

Industrial Hygienist: C. Wiles

Abatement Contractor/Supervisor: RETRO- RON TUBONG

Time	Remarks
7:00 PM	C. Wiles on Site
7:05	Barry said that area outside had high fiber
	Count - Bob Revor was informed & Retro Cleaning
	Hall additional pumps being ran.
7:15	Retro inside area cleaning around plaster
	Man
8:00	C. Wiles inspected containment & 1 mini OK
9:30	Set final air
10:00	Inspected last mini - containing - OK
	No visible dust or residue
	Outside hall samples read - OK no high
	fiber counts
12:00	Pulled last final air samples - OK <.005
12:30	C. Wiles offsite

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: _____

Location: (Old Exec Office Bldg for) Date: 12/05/94

Removal Contractor: Finger Printing Time Started: _____

Monitoring Contractor: _____ 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."

At the request of Larry Handen, I went to secret Service Office at the Old Executive Office Building for fingerprinting

Report Prepared By: Scott Dunn Date: 1/25/95

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

12/21/94

SUMMARY REPORT

PROJECT =	LOG =	SAMPLE =	DATE COLLECTED	LOCATION	F/CC
648601201	277094	1	12/20/94	OUT	< 0.004
648601201	277194	2	12/20/94	OUT	< 0.004
648601201	277294	3	12/20/94	OUT	< 0.004
648601201	277394	4	12/20/94	OUT	< 0.004
648601201	277494	5	12/20/94	OUT	< 0.004
648601201	277594	6	12/20/94	OUT	< 0.007
648601201	277694	7	12/20/94	FIN	< 0.004
648601201	277794	8	12/20/94	OUT	< 0.004
648601201	277894	9	12/20/94	OUT	BLANK= 0.00
648601201	277994	10	12/20/94	FIN	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 [illegible]
[illegible]
LABORATORY MANAGER

Tracor Technology Resources — **Air Sample Sheet**

Project # 6,4,8,6,0,1,2,0,1

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	277894	9									0	100	0		
A	Notes: BLANK														
B	277994	10									0	100	0		
B	Notes: BLANK														
C															
C	Notes:														
D															
D	Notes:														

Field Area: (Check One) ☑ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

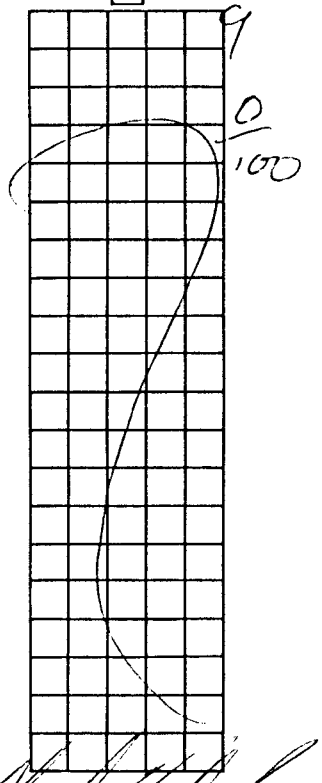
Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

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



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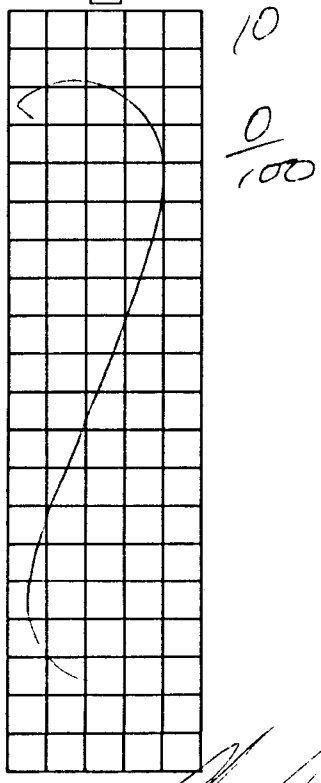


C

D

FIELD TECH. 12-20-2194 DATE

ANALYST 12-21-91 DATE

Tracor Technology Resources — Air Sample Sheet

Project # 6486-91301

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	277494	5	1	3.0	3.0	3.0	8:16	3:02	404	1212	4	100	0	4	<.004
A	Notes: IN HALL BY 8016														
B	277594	6	SIDEOIS	3.0	3.0	3.0	11:40	3:12	221	663	5	100	0	5	<.007
B	Notes: 2ND FLOOR LOBBY MINI ENCLOSURE														
C	277694	7	40	10.0	10.0	10.0	12:40	2:45	125	1250	5	100	0	5	<.004
C	Notes: WORKING FINAL 2ND FLR LOBBY														
D	277894	8	44	10	10.0	10.0	12:17	3:17	120	1200	6	100	0	6	<.004
D	Notes: B2 LOBBY OF ELEVATOR & FREIGHT ELEVATOR														

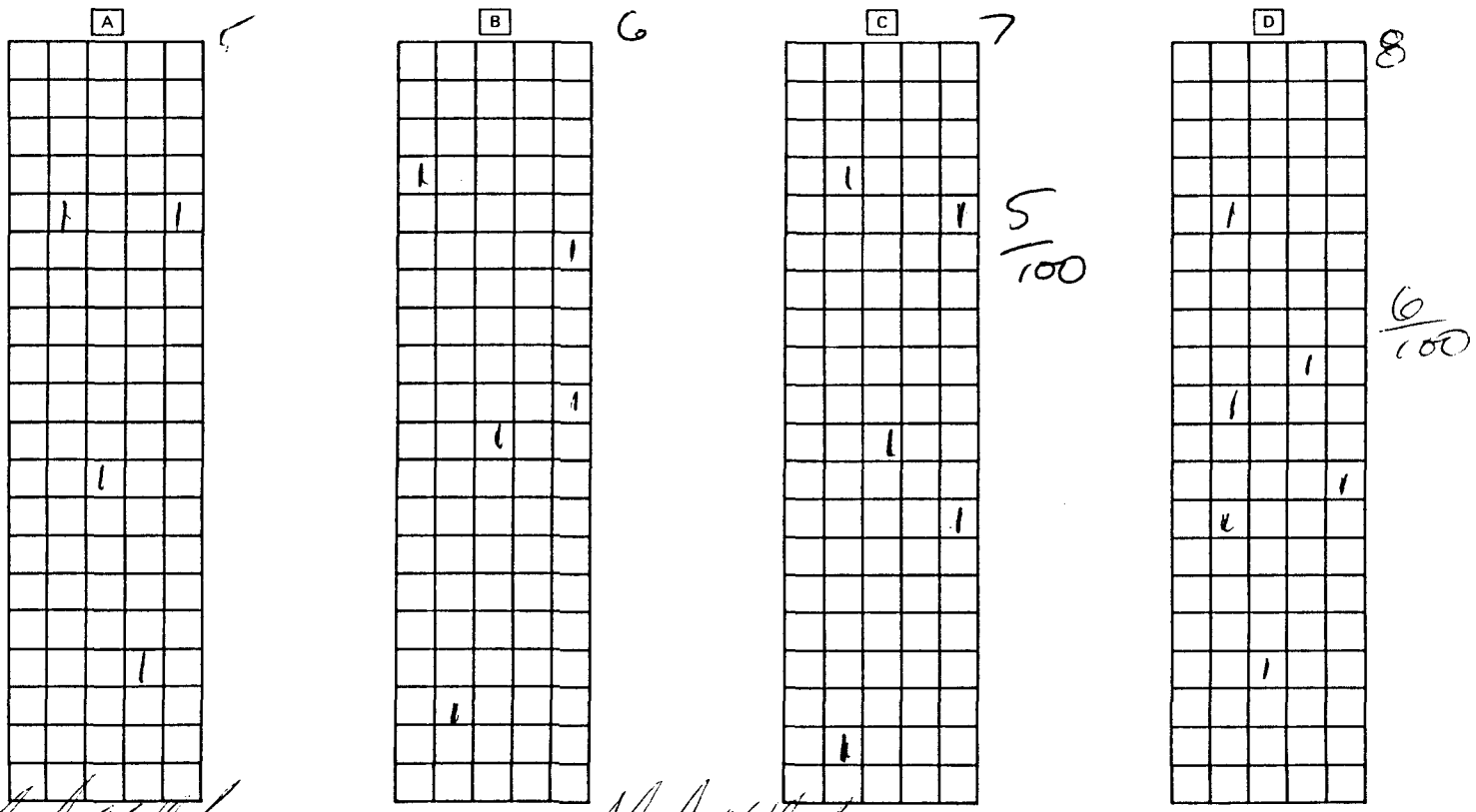
Field Area: (Check One) ☑ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



FIELD TECH. DATE 12-20-21-94

ANALYST DATE 12-21-94

Tracor Technology Resources | **Air Sample Sheet**

Project # 6,4,8,6-0,1,2,9,1

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	277094	1	4	3.0	3.0	3.0	7:57	3:04	427	1281	1	100	0	1	<.004
A	Notes: CONTOR OFFICE 8001 AROA														
B	277194	2	2	3.0	3.0	3.0	7:58	3:03	424	1272	2	100	0	2	<.004
B	Notes: CONTOR OFFICE · 8013														
C	277294	3	3	3.0	3.0	3.0	8:00	3:02	421	1263	3	100	0	3	<.004
C	Notes: HALL BY 8025 C														
D	277394	4	5	3.0	3.0	3.0	8:02	3:04	421	1263	2	100	0	2	<.004
D	Notes: CONTOR SECRETARY OFFICE OF 8025 J 8025 I														

Field Area: (Check One) ☐ .00785 ☐ .00801 ☐ .00754 ☐ .00817 ☐ .00724

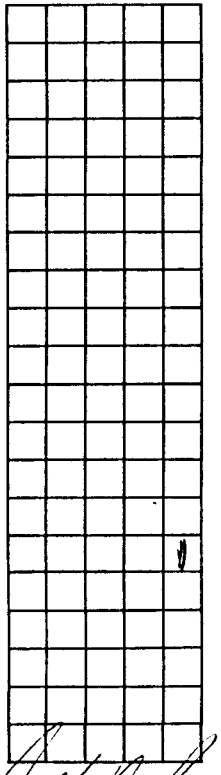
Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☐ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

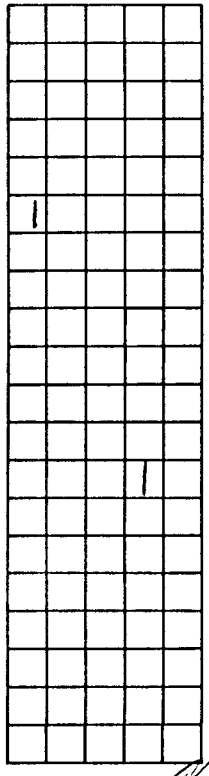
Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

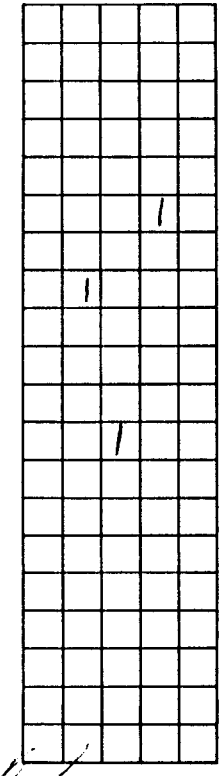
A 1



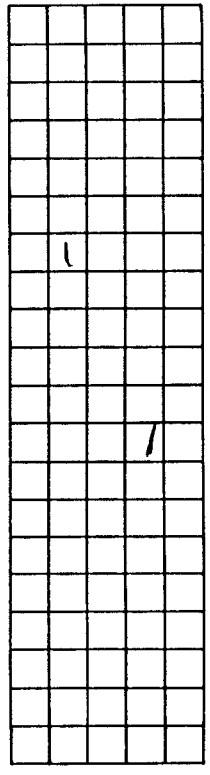
B 2



C 3



D 4



12-20-94
FIELD TECH. DATE

12-21-94
ANALYST DATE

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486-017-01

Location: 8th FLR 2ND FLR LOBBY 2B LEVEL Date: 12-20-21-94

Removal Contractor: RETRO Time Started: 7:00 PM

Monitoring Contractor: TRACOR Time Stopped: 5:00 AM

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	✓	
	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.	~~N/A~~ YES	
	b. OSHA SIGN (ASBESTOS)	YES	
	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?	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:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

AUTOMATIC SPRINKLER CHECK CONNECTION 8th FLOOR - CHECK CONNECTION 2ND FLR LOBBY. FOUND LEAK, INSTALLED 4 SPRINKLER HEADS IN 2B CEILING

Report Prepared By: [signature] Date: 12-20-21-94

Page #_____

LOG SHEET

Date: 12-20-94

Project Number: 6486-012-01

Industrial Hygienist: C. Wiles

Abatement Contractor/Supervisor: Retro - Ron Tubong

Time	Remarks
7:00	C. Wiles on site
7:15	Sprinkler Fit on site - Abatement work
7:45	Sprinkler Fit to 8th Floor to Pump up system
	8th Flr East side
8:00	Set Working Samples throughout Area 8001-8025
8:20	Snuffy Going Above Ceiling Plaster in Hall
	Suiting Up
9:30	Sprinkler Fitters Checking for Leaks
10:30-11:00	Sprinkler Fitters Broke-Break
11:30	Retro Set Up Mini Containment 2nd Flr Lobby
12:20	Set Up Working Final
1:00	Sprinkler Fitters moved to B2 Level to
	Install 4 Sprinkler Heads
1:17	Set up Pump to set 4 Heads in Elevator &
	Freight Elevator Lobby
2:45	Pulled Second Flr Pump
3:00	Pulled 8th Flr Pump
3:20	Mounted & Read
4:00	Gave Results to Ron Tubong
4:30	Updated Paperwork
5:00	C. Wiles Offsite

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 648602-01

Location: VARIOUS LOCATIONS Date: 12-19-94

Removal Contractor: RETRO Time Started: _____

Monitoring Contractor: TRACER 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."

JOB CALLED OFF AT LAST MINUT

Report Prepared By: [signature] Date: 12-19-94

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

12-23-94

SUMMARY REPORT

PROJECT =	LOG =	SAMPLE =	DATE COLLECTED	LOCATION	F/CC
6486012a	278094	11	12/21/94	FIN	0.006
6486012a	278194	12	12/21/94	FIN	0.005
6486012a	278294	13	12/21/94	FIN	0.005
6486012a	278394	14	12/21/94	FIN	< 0.005
6486012a	278494	15	12/21/94	OUT	BLANK= 0.00
6486012a	278594	16	12/21/94	OUT	BLANK= 0.00
6486012a	278694	17	12/22/94	FIN	0.005
6486012a	278794	18	12/22/94	FIN	0.005
6486012a	278894	19	12/22/94	FIN	0.006
6486012a	278994	20	12/22/94	OUT	BLANK= 0.00
6486012a	279094	21	12/22/94	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 E. EDWARDS
LABORATORY MANAGER

Tracor Technology Resources — **Air Sample Sheet**

Project # 6 4 8 6 0 1 2 A

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	278094	11	B1	2.5	2.5	2.5	1945	0200 ~~1400~~	405	1012.5	11.5	100	0	11.5	.005
A	Notes: Ground Floor Library Area East Working Final														
B	278194	12	B2	2.5	2.5	2.5	1945	0200 ~~1400~~	405	1012.5	11	100	0	11	.005
B	Notes: Ground Floor Library Area / Mail Room Working Final														
C	278294	13	B3	2.5	2.5	2.5	1945	0200 ~~1400~~	405	1012.5	10.5	100	0	10.5	.005
C	Notes: Ground Floor Library Area / Q 103 Working Final														
D	278394	14	B4	2.5	2.5	2.5	1945	0200 ~~1400~~	405	1012.5	9.5	100	0	9.5	.005
D	Notes: Ground Floor Library Area Central Working Final														

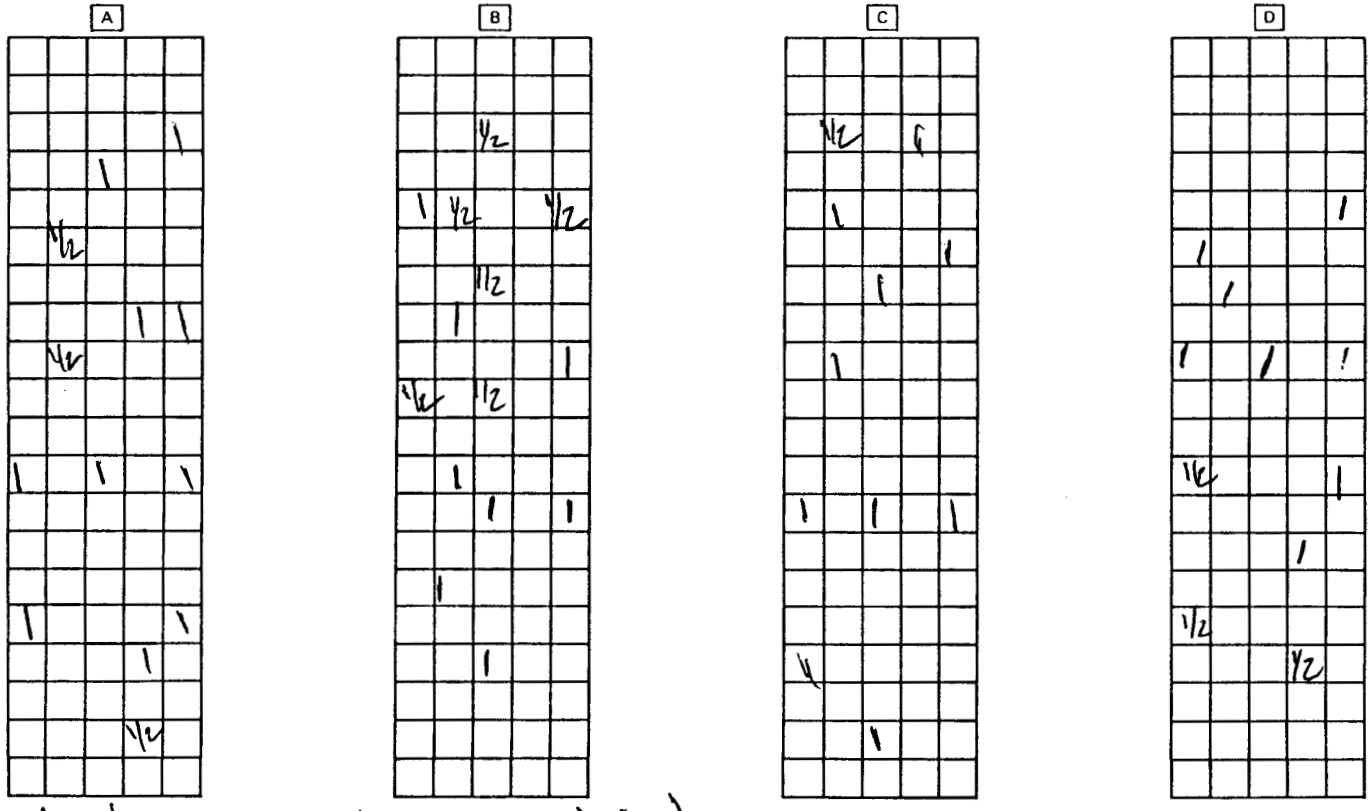
Field Area: (Check One) ☐ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



Golomlykski 12-21-94
FIELD TECH. DATE

Golomlykski 12-22-94
ANALYST DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 6486012A

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	278494	15									0	10	0	0	—
A	Notes: BLANK														
B	278594	16									0	10	0	0	—
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

Golomkiewski 12-21-94
FIELD TECH. DATE

Golomkiewski 12-22-94
ANALYST DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 6 4 8 6 0 1 2 X

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Post	Liters/Min Mean	Time (Military) On	Off	Total (Min)	Volume	Count Data Total Count	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	278694	17	21	5.0	5.0	5.0	1945	2315	210	1050	11	100	0	11	.005
A	Notes: Mini Cart East End Hallway 1st Floor Area Running Final														
B	278794	18	42	5.0	5.0	5.0	1945	2315	210	1050	11	100	0	11	.005
B	Notes: Mini Cart. NW Hallway 1st Floor Area Running Final														
C	278894	19	40	5.0	5.0	5.0	1945	2315	210	1050	12	100	0	12	.006
C	Notes: Mini Cart NE Hallway 1st Floor Area Running Final														
D	278794	20									0	100	0	0	—
D	Notes: Blank														

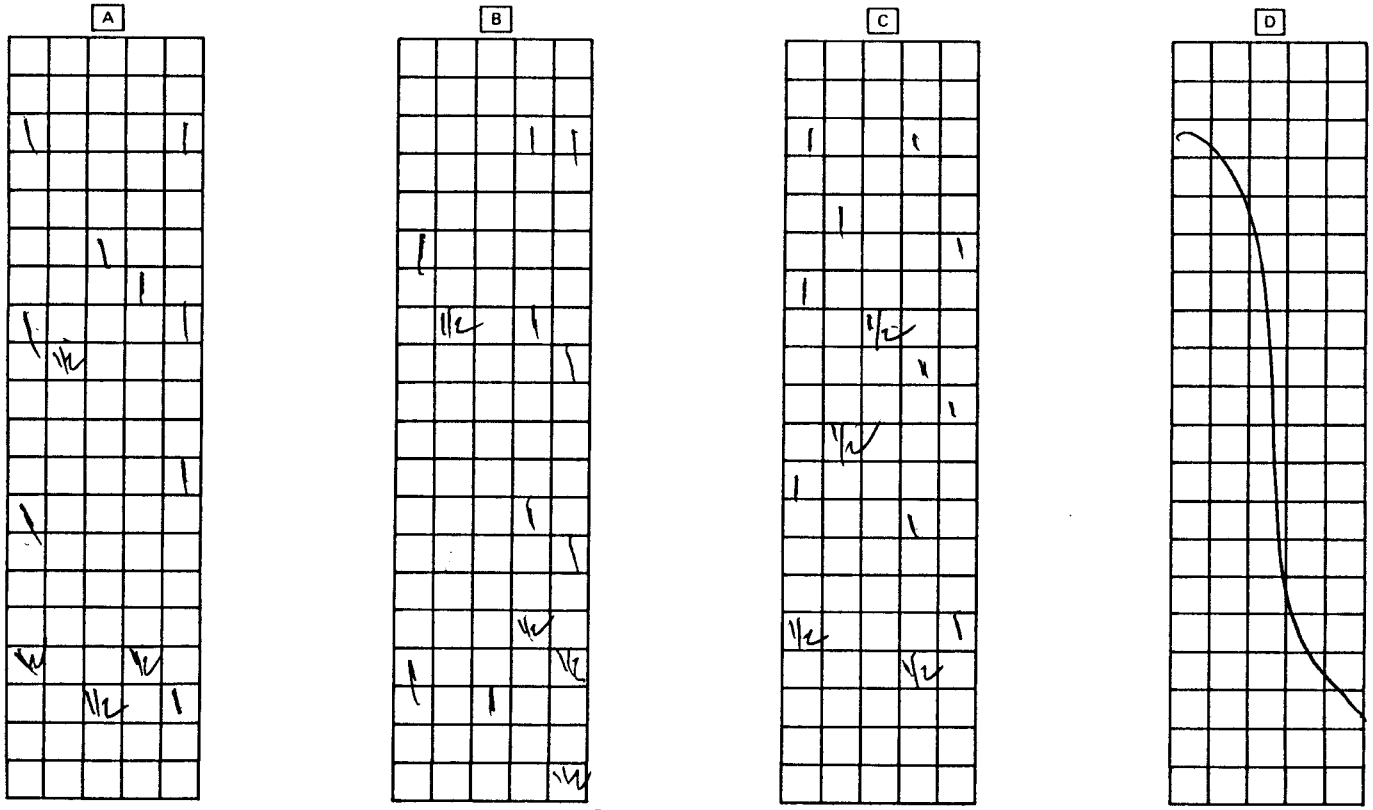
Field Area (Check One): ☑ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$



Golonsiski 12-22-94
FIELD TECH. DATE

Golonsiski 12/22-23/94
ANALYST DATE

Page #_____

LOG SHEET

Date: 12/21-22/94

Project Number: 6496-012A

Industrial Hygienist: Golubieski

Abatement Contractor/Supervisor: RETRO / Ronald

Time	Remarks
1900	On site two min. rotameters will be set up on the 1st floor in the Hallway + Library area. No Removal will be ~~taken~~ completed Ethers will be completing areas not completed on weekends. I will set up area samples as running fibers.
2100	Ethers in ceiling
2300	Ethers on Break
2400	Ethers back in ceiling
0100	Ethers back in ceiling
0300	Ethers -- Break
0400	Ethers back to work
0430	Ethers completed
0500	finished for the night all samples ≤ 0.01 f/cc

Page #_____

LOG SHEET

Date: 12/22-23/94

Project Number: 6446-82A

Industrial Hygienist: [illegible]

Abatement Contractor/Supervisor: Retro / Ronald

Time	Remarks
1900	On site - Fibers will be doing one small
	min containment in the 1st Floor Hallway
2000	Fibers in ceiling & running light at
	50 l/min
2200	Fibers on break
2230	Fibers back to work
2315	Fibers completed with work
2400	Final samples being read
2430	Final samples all below 0.01 f/cc
0100	Both doing a little vacuuming + cleaning
	up Asb. Debris
0200	off site

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486-012A

Location: 1st Floor Date: 12-21-94

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	NA	
	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.	NA	
	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."

Pin-Contained

Report Prepared By: [illegible] Date: 12/21-22/94

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: VEOB Project: 6486-012

Location: 1st Floor Date: 12/22-23/94

Removal Contractor: PETRO Time Started: 1000

Monitoring Contractor: TTL Time Stopped: 0200

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.	_____	_____
	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."

Mini Containment

Report Prepared By: [illegible] Date: 12/22-23/94

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NFOR Project: 6481-013

Location: 1st Floor Date: 12-22-23-94

Removal Contractor: RETRO Time Inspected: —

Monitoring Contractor: TTR Time Completed: —

Rooms ARA Fica?

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:	17	18	19		
Location:					
Volume (Liters):	1050	1050	1050		
Flow rate: (Liters/Minute)	5	5	5		
Fibers/Filter:	11	11	12		
Fibers/Cubic Cm:	.005	.005	.006		

ANALYST ANALYZING SAMPLES: JG DATE: 12-23-14

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: _____

[illegible]

[illegible]

[illegible] #	[illegible] #	SAMPLE #	DATE COLLECTED	[illegible]	[illegible]
0486012	285894	1	01/07/95	out	[illegible]
0486012	285894	2	01/07/95	out	[illegible]
0486012	285894	3	01/07/95	out	[illegible]
0486012	286194	4	01/07/95	out	[illegible]
0486012	286194	5	01/07/95	out	[illegible]
0486012	286394	6	01/07/95	out	< [illegible]
0486012	286494	7	01/07/95	out	BLANK= [illegible]
0486012	286594	8	01/07/95	out	BLANK= [illegible]
0486012	286694	9	01/07/95	out	< 0.005
0486012	286794	10	01/07/95	out	< 0.005

KEY: BKG BACKGROUND
FIN FINAL CLEARANCE A.S
PER PERSONAL
OUT OUTSIDE AREA SAMPLE [illegible] BAT SERIAL
INS INSIDE CONTAINMENT
OUT OUTSIDE CONTAINMENT

APPROVED BY [illegible]
[illegible] EDWARDS
LABORATORY MANAGER

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	285894	01		2.5	2.5	2.5	0745	1600	495	1237.5	20	100	0	20	.008
A	Notes: ON Cold Water Cut off Valves Between Mini Enclosures														
B	285994	02		2.5	2.5	2.5	0745	1600	495	1237.5	45	100	0	45	.018
B	Notes: Outside of Room B-240														
C	286094	03		2.5	2.5	2.5	0745	1600	495	1237.5	30.5	100	0	30.5	.012
C	Notes: ON Security light between Mini Enclosures														
D	286194	04		2.5	2.5	2.5	0745	1600	495	1237.5	22	100	0	22	.009
D	Notes: Outside #1 Mechanical Room (Machine Room) Next to Room B-202														

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			.5	1
.5				
		1		
	1			
				1
			1.5	
			1	
			2	
				1
				.5
1	.5	1	.5	1
			1	

20/100

B

				1
1.5	.5	1		
	.5		1	1
	1	1	.5	.5
1		1		1
	1			1
				2
1	.5			
	.5			1
1	2	2	1	
1			3	
	1	1		
2	1	.5	1	2
.5		.5		
		1		
		1		
	1			1
	1			
	1			

45/100

C

2	1		1	
1	1		2	
		1		
.5				
1				
			1	
	1			
	.5			
1		1	1	2
1			1	
	1.5			
	1	1		
2				
	1	1		
			1	
				1
				1

30.5/100

D

1				
1	1			
		1		
				.5
			1	
	1			1
	1			
2				
1				1
	1			
2	1		.5	
				1
	1		1	
	1		1	

22/100

FIELD TECH. 1/7/95 DATE

ANALYST 1/7/95 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	Post	Liters/Min Mean	Time (Military) On	Off	Total (Min)	Volume	Count Data: Total Count	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	286294	05		2.5	2.5	2.5	0745	1600	495	1237.5	21	100	0	21	.0083
A	Notes: ON TOP of Vending Machine - Outside Room B-212														
B	286394	06		10.0	10.0	10.0	0914	1040	86	860	6	100	0	6	≤.0006
B	Notes: IN HALLWAY Between Glovebags ON 2B - Between Freight & Regular elevator lobby														
C	286494	07													
C	Notes: BLANK														
D	286594	08													
D	Notes: BLANK														

Field Area (Check One): ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

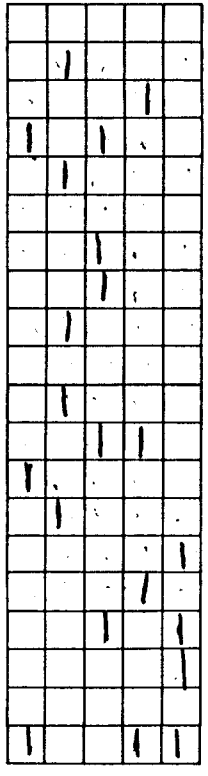
Calculations: Mean Flow = $\frac{\text{Pre + Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

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

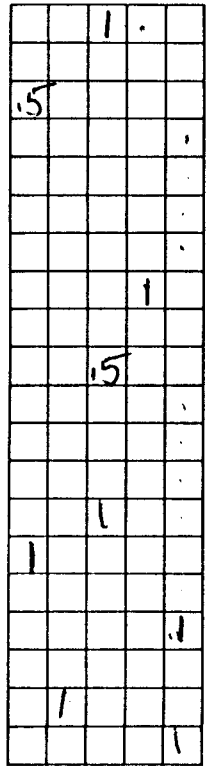
Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A



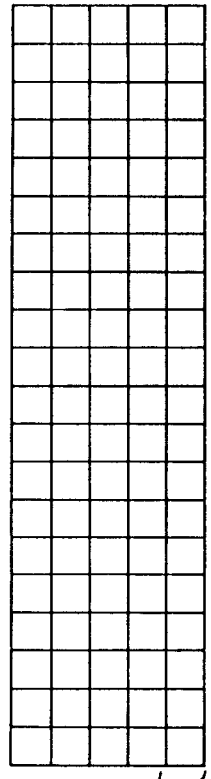
21/100

B

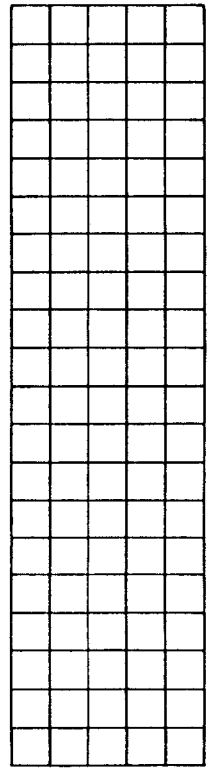


6/100

C



D



[signature] 1/7/95
FIELD TECH. DATE

[signature] 1/7/95
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	286694	C9	16	10.0	10.0	10.0	1815	1945	90	900	5	100	0	5	≤.005
A	Notes: FINAL CLEARANCE														
B	286794	10	22	10.0	10.0	10.0	1815	1945	90	900	3	100	0	3	≤.005
B	Notes: FINAL CLEARANCE														
C															
C	Notes:														
D															
D	Notes:														

Field Area: (Check One) ☐ .00785 ☐ .00801 ☐ .00754 ☐ .00817 ☐ .00724

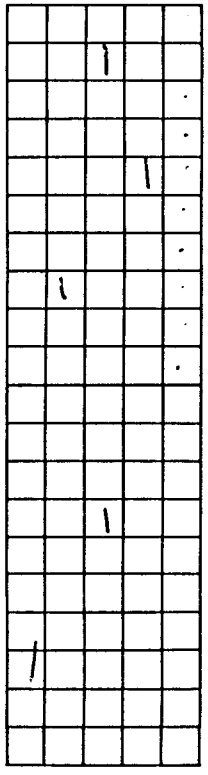
Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

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

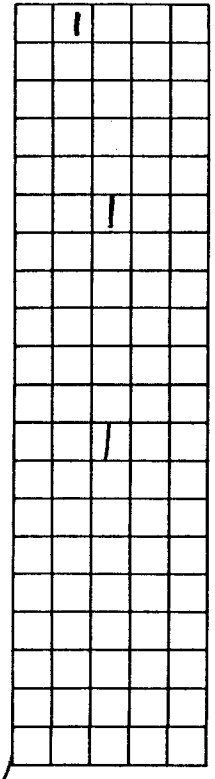
Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A



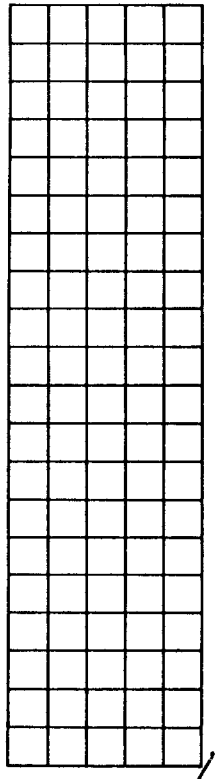
5/100

B

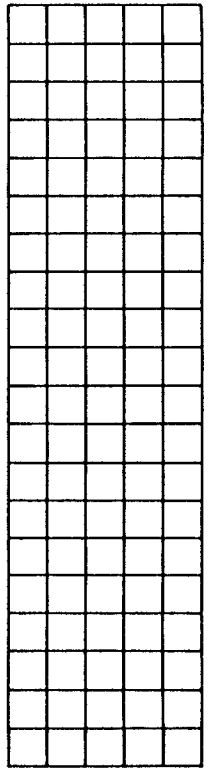


3/100

C



D



[redacted] 1/7/95
FIELD TECH. DATE

[redacted] 1/7/95
ANALYST DATE

Page # 1

LOG SHEET

Date: JANUARY 7TH 1995

Project Number: 6486-012

Industrial Hygienist: M BROWER

Abatement Contractor/Supervisor: RETRO/ Bob & DAVE

Time	Remarks
0700-	On Site with Retro, fitters: UL&P, Mini
	Containments today on 1B. UL&P Also
	Has 3 Glovebag Areas on 2B. I will
	Run low Volumes on 1B Between Mini's
	& A High Vol for 3 Glovebags on 2B.
0800-	Fitters Working in one Machine Room
	at this time
0900-	UL&P almost ready to Do Glovebag Work.
0930-	Glove Bag work Completed. I will let
	High Vol Run for One hour to obtain 600 Liters.
	Fitters on Break
1030-	Fitters Go Back to Work in two End Machine
	Rooms.
1130-	Fitters Continue to Work in Mini-Enclosures
	A Couple of Guys Walk in & out of Enclosures
	with their Suits on. I tell them they
	Can Not Do this
1200-	Fitters take Lunch Break
1300-	Workers Go Back to Work, Workers
	Continue to Come out of Containment
	with their Suits on.
1400-	Brower to Rockville to Get Chemicals
	in order to Prep Slides.
1600-	Area Samples off: Going to Read Samples
1630	Sample #'s 2 & 3 are Above .01 f/cc
	I will tell Retro that they will ~~Not be~~ have

Page # 2

LOG SHEET

Date: JANUARY 7/1995

Project Number: 6486-012

Industrial Hygienist: M. BROWER

Abatement Contractor/Supervisor: Retro/Bob & Dave

Time	Remarks
	TO Wet Wipe Down the AREA & I will
	HAVE to RUN ADDITIONAL Samples
1700-	Filters ARE Completed all WORK ABOVE
	Ceiling. Retro will Wipe AREA After
	all WORK IS Completed.
1730-	Retro Cleaning AREAS with high Samples
	At this time
1815-	2 FINAL AIR SAMPLES RUNNING AT
	this time
1945-	Samples off
2000-	Both Samples were below or ≤.005 f/cc
2030-	Brower off Site

BLANK MJB 1/7/95

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB

Project: 6486-012

Location: 1B - Mini-Enclosures

Date: 1/7/95

Removal Contractor: RETRO

Time Inspected: 0715

Monitoring Contractor: TRACOR

Time Work Started: 0730

Inspection Category	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"	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 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~~ NO MJB	
	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."

Sprinkler Workers Came out of Mini-Enclosures with their Tyvek Suits on

Report Prepared By: [signature] Date: 1/7/95

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6486-012

Location: 1B- Mini-Enclosures Date: 1/7/95

Removal Contractor: Reteo Time Started: 0700

Monitoring Contractor: TRACOR Time Stopped: 0800

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	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.	yes	
	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.	NO	
	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		
	b. No Eating/Drinking		

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

Sprinkler workers come in & out of Enclosures with the Same Disposable Suits

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: [redacted] Date: 1/7/95

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: 6486-012

Location: 1B-Mini-Enclosures Date: 1/7/95

Removal Contractor: RETRO Time Inspected: 1630

Monitoring Contractor: TEACOR Time Completed: 1645

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.	yes	
(above eye level)	e. Horizontal surfaces.		
	f. Pipes.		
	g. Ductwork.	N/A	
	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:	09	10			
Location:					
Volume (Liters):	900	900			
Flow rate: (Liters/Minute)	10.0	10.0			
Fibers/Filter:	5	3			
Fibers/Cubic Cm:	≤.005	≤.005			

ANALYST ANALYZING SAMPLES: [signature] DATE: MJB 1/7/95

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

Final Air Samples were Conducted in the Areas Where Area Samples were Above .01 f/cc

Report Prepared By: [signature] Date: 1/7/95

REPORT REVIEWED BY: _____ DATE: _____

[illegible]

[illegible]

[illegible]

PERIODICITY	LOT #	SAMPLE #	DATE COLLECTED	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

KEY: BKG BACKGROUND
FIN FINAL CLEARANCE AIR
PER PERSONAL
OOS OUTSIDE AREA SAMPLE [illegible]
INS INSIDE CONTAINMENT
OUT OUTSIDE [illegible]

APPROVED BY [illegible]
[illegible]
LABORATORY MANAGER

Tracor Technology Resources — Air Sample Sheet

Project # 6486-012-01

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	286894	01		4	4	4	1048	1448	240	960	3	100	0	3	<0.005
A	Notes: 2ND FLOOR AT CAFETERIA ENTRANCE														
B	286994	02		4	4	4	1054	1454	240	960	1.5	100	0	1.5	<0.005
B	Notes: 2ND FLOOR AT SW STAIRWELL														
C	287094	03											0		
C	Notes: BLANK														
D	287194	04											0		
D	Notes: BLANK														

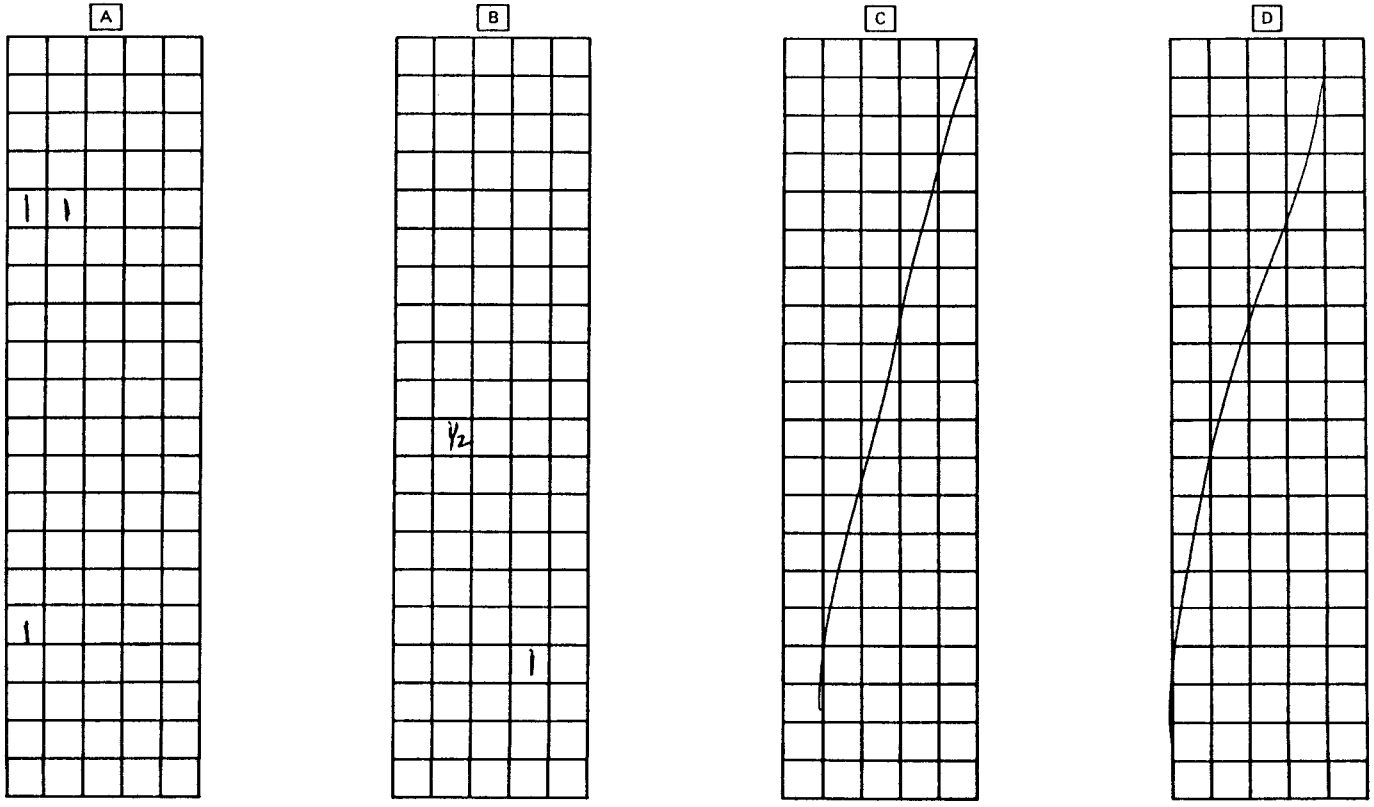
Field Area: (Check One)
- ☑ .00785
- ☐ .00754
- ☐ .00724
- ☐ .00801
- ☐ .00817

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 — FIELD TECH. — 1/16/95 DATE

DUNN — ANALYST — 1/17/95 DATE

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB

Project: 6486-012-01 (Mini-containment)

Location: 2ND FLOOR SOUTHWEST STAIRWELL

Date: 16 JAN 1995

Removal Contractor: RETRO

Time Started: 0600

Monitoring Contractor: FRACOR

Time Stopped: 1530

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	Neg. AIR WAIVED
	e. "Negative air machine" in use	N/A	by GSA's Office
	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	NO REMOVAL
	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.	N/A	
	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: Scott Dunn Date: 17 JAN 1995

LOG SHEET

Date: 16 January 1995
Project Number: 6486-012
Industrial Hygienist: Scott Dunn
Abatement Contractor/Supervisor: Retro/ Ronald T.

Time	Remarks
0600	TTR arrives at the New Executive Office Building. A few pipe fitters already on site. Retro is not on site. Union Light and Power is also on site.
0700	Pipe fitters are collected their equipment from the basement to find a water leak in the cafeteria area.
0730	Retro has not arrived at the job site. Mr. Bob Reevers arrives at the site and says that Retro had an emergency project nearby. I recommended that Retro be on site in case there was an emergency at NEOB. Mr. Reevers asked if the pipe fitters could go in the regulated ceiling with proper PPE to find their leak without Retro on site. I told Mr. Reevers that I would much rather have Retro on site, however I would allow the pipe fitters to go into the regulated ceiling if Retro is nearby. Mr. Reevers will confirm this information with Retro.
0750	Mr. Reevers said that Retro will be completed with their other project between 1400 and 1500. One of Retro's supervisors is on his way to NEOB. The pipe fitters may not need to go above the regulated ceiling.
0830	ASCOA puts on another pressure test to determine the leak. A mini-containment has already been constructed on Saturday to access the regulated ceiling.
1000	ASCOA finds the leak. It is located on one of the sprinkler heads in front of the cafeteria. It will be neccessary for ASCOA to go into the regulated ceiling. Retro left the mini-containment standing from Saturday's work. The mini-containment is for access into the regulated ceiling.
1045	Air samples are set up near the mini-containment and the area near the leaking sprinkler head.
1230	Pressure test appears to be running. Pipe fitters must be on break. Air sampling continues. Have not seen the pipefitters for a while now.
1300	Bob Reever shows up at the site. The workers have not been seen since about 1100. Mr. Reever finds them. ASCOA found another leak and sets up another pressure test.
1400	ASCOA has moved out of the cafeteria. Not sure if the pipe fitters have left the job site or moved to another area.
1500	TTR collects air samples from the second floor to be analyzed today. Retro is supposed to be here soon.
1520	Air samples could not be analyzed due to unclean microscope and problems with the phase contrast rings. Samples will be analyzed on Tuesday morning. The mini-containment remains until Retro tears it down. TTR leaves job site.

92-48

94-119
Reviewed/Mailed NOV 15 1993 T.S.

TRACOR

Tracor Technology Resources, Inc.
1601 Research Boulevard
Rockville, MD 20850-3173
301 251-4911

DC 010522
CANOFILE: 931018

Project No.: 6410-029
Serial No.: CEW-93-5335
ACT No.: P05554331

October 18, 1993

Ms. Normajean Eleazer
GSA, NCR, WPX, Room 2036
7th and D Streets, SW
Washington, DC 20407

Subject: PROGRESS REPORT VI - NEW EXECUTIVE OFFICE BUILDING 6TH FLOOR

Dear Ms. Eleazer:

This is a progress report on the asbestos abatement project that occurred in the New Executive Office Building on the sixth floor on July 30-31, August 1, and September 17-19, 1993.

Personnel from Tracor Technology Resources, Inc. (TTR) monitored Retro Environmental, a licensed asbestos abatement contractor, removing asbestos containing deck insulation, utilizing full containment procedures.

The Industrial Hygiene Consultant's responsibilities include conducting inspections of the worksite, assessing work practices, and collecting air samples. A total of thirty two (32) air samples were collected. This project consisted of two (2) start up, six (6) daily, two (2) final and two (2) CIH 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 Charles E. Wiles, Jr.
Industrial Hygienist

Program Review: Myrl Glunt
Myrl Glunt

Technical Review: Michael J. Larsen, CIH
Michael J. Larsen, CIH

CEW/srp

Enclosures

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

08/02/93

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
641002901	253793	1	07/31/93	INS	< 0.004
641002901	253893	2	07/31/93	INS	< 0.005
641002901	253993	3	07/31/93	INS	< 0.004
641002901	254093	4	07/31/93	INS	0.005
641002901	254193	5	07/31/93	OUT	< 0.004
641002901	254293	6	07/31/93	INS	0.010
641002901	254393	7	07/31/93	OUT	BLANK= 0.00
641002901	254493	8	07/31/93	OUT	BLANK= 0.00
641002901	254593	9	07/31/93	INS	0.027
641002901	254693	10	07/31/93	OUT	< 0.004
641002901	254793	11	07/31/93	OUT	< 0.004
641002901	254893	12	07/31/93	OUT	< 0.004
641002901	254993	13	07/31/93	OUT	< 0.004
641002901	255093	14	07/31/93	OUT	< 0.004
641002901	255193	15	07/31/93	FIN	< 0.004
641002901	255293	16	07/31/93	FIN	< 0.004
641002901	255393	17	07/31/93	FIN	< 0.004
641002901	255493	18	07/31/93	FIN	< 0.004

KEY:
- BKG BACKGROUND
- FIN FINAL
- PER PERSONAL
- GVB GLOVE BAG
- INS INSIDE CONTAINMENT
- OUT OUTSIDE CONTAINMENT

APPROVED BY

MICHAEL L. EDWARDS
LABORATORY MANAGER

TRACOR TECHNOLOGY RESOURCES, INC.
ROCKVILLE, MARYLAND 20850

09/27/93

SUMMARY REPORT

PROJECT #	LOG #	SAMPLE #	DATE COLLECTED	LOCATION	F/CC
6410029	293393	1	09/18/93	OUT	< 0.002
6410029	293493	2	09/18/93	OUT	BLANK= 0.00
6410029	293593	3	09/18/93	OUT	VOIDED
6410029	293693	4	09/18/93	OUT	< 0.004
6410029	293793	5	09/18/93	OUT	< 0.004
6410029	293893	6	09/18/93	OUT	< 0.004
6410029	293993	7	09/18/93	OUT	< 0.006
6410029	294093	8	09/18/93	INS	< 0.006
6410029	294193	9	09/18/93	OUT	BLANK= 0.00
6410029	294293	10	09/18/93	OUT	BLANK= 0.00
6410029	294393	11	09/19/93	FIN	< 0.004
6410029	294493	12	09/19/93	FIN	< 0.004
6410029	294593	13	09/19/93	FIN	< 0.004
6410029	294693	14	09/19/93	FIN	< 0.004

KEY:
- BKG BACKGROUND
- FIN FINAL
- PER PERSONAL
- GVB GLOVE BAG
- INS INSIDE CONTAINMENT
- OUT OUTSIDE CONTAINMENT

APPROVED BY _____
MICHAEL E. EDWARDS
LABORATORY MANAGER

Tracor Technology Resources | **Air Sample Sheet**

Project # 6410-029-01

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	254193	5	01	2.5	2.5	2.5	4:45	—	480	1200	8	100	0	8	0.01 <0.004
A	Notes: WEST OF DECON IN HALL BY DOOR [illegible]														
B	254293	6	7	2.5	2.5	2.5	4:47	—	480	1200	25	100	0	25	0.010
B	Notes: INSIDE SOUTH END OF HALL BY Room 6002														
C	254393	7	—	—	—	—	—	—	—	—	—	—	0	—	
C	Notes: BLANK														
D	254493	8	—	—	—	—	—	—	—	—	—	—	0	—	—
D	Notes: BLANK														

Field Area (Check One): ☑ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

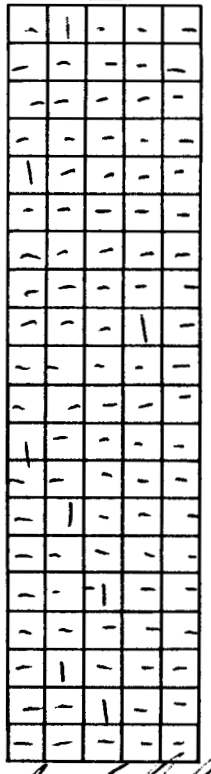
Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size: ☑ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

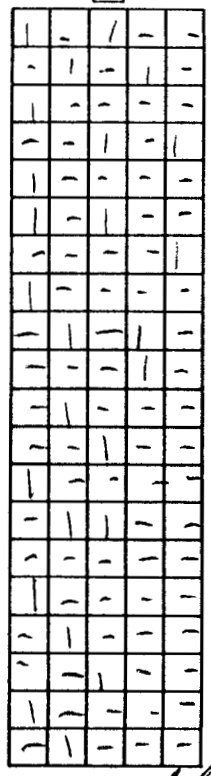
Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

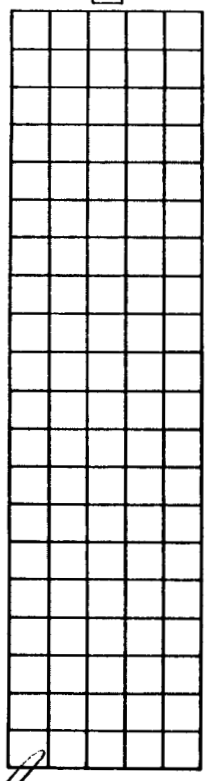
A — 5 — 8/100



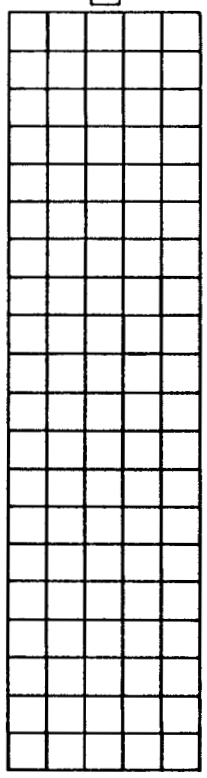
B — 6 — 25/100



C — 7 — 0/100



D — 8 — 0/100



FIELD TECH. 7-31-93 DATE

ANALYST FOR JOE DEUHENLAUB DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 641 0-029 01

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Post	Liters/Min Mean	Time (Military) On	Off	Total (Min)	Volume	Count Data: Total Count	Fields Counted	Blank Count	Net Count	Fibers Per cc	
A	258793	1	K	2.5	2.5	2.5	4:49	—	504	1260	3	100	0	3	0.01	<0.004
A	Notes: NORTH SIDE OF CONTAIN IN STAIRWELL #3 6th FLOOR															
B	253893	2	Q	2.5	2.5	2.5	4:51	—	420	1050	1	100	0	1	0.01	<0.005
B	Notes: NORTH SIDE CONTAIN IN ROOM 6025 BY DOOR M 6th FLOOR															
C	258993	3	N	2.5	2.5	2.5	4:53	—	500	1250	0	100	0	0	0.01	<0.004
C	Notes: SOUTH SIDE OF CONTAIN IN STAIRWELL #4 6th FLOOR															
D	254093	4	N1	2.5	2.5	2.5	4:45	—	480	1200	12	100	0	12	0.01	0.005
D	Notes: SOUTH SIDE OF CONTAIN IN ROOM 6002 6th FLOOR															

Field Area: (Check One) ☑ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

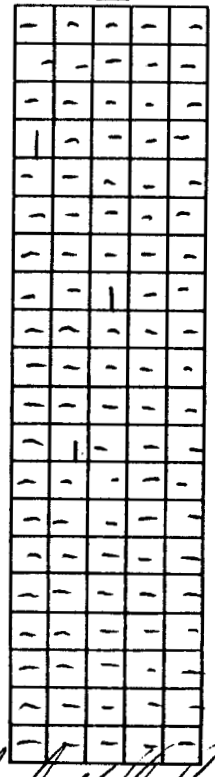
Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☑ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

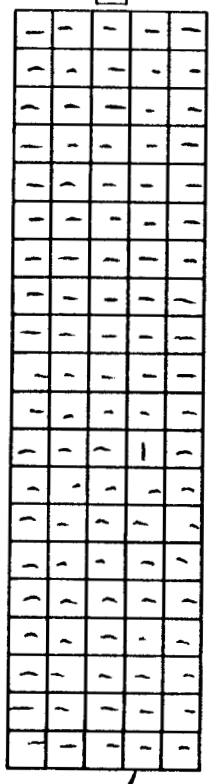
Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

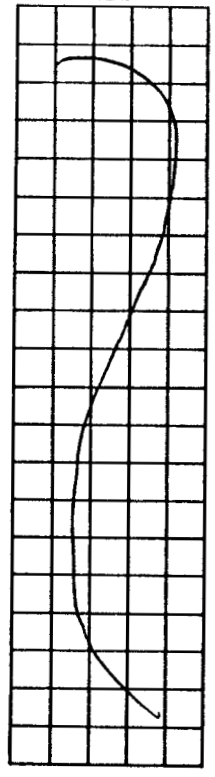
A — 1 — 3/100



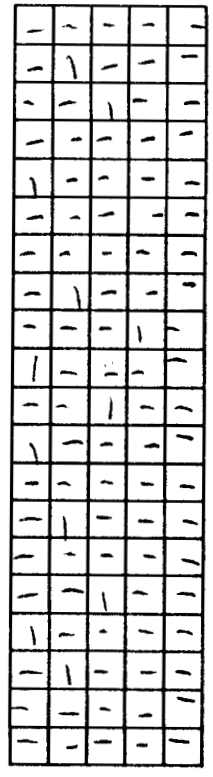
B — 2 — 1/100



C — 3 — 0/100



D — 4



FIELD TECH. 7-31-93 DATE

Joseph D Cuthbertson 7/31/93
ANALYST DATE

Tracor Technology Resources — Air Sample Sheet

Project # 6,4,1,0,0,2,9

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	254593	09	510007	2.5	2.5	2.5	12:44	—	508	1270	71	100	0	71	0.027	
A	Notes: INSIDE CONTAINMENT AREA															
B	254693	10	FG3	2.5	2.5	2.5	12:44	—	508	1270	4	100	0	4	0.01	<0.004
B	Notes: OUTSIDE DECON ENTRANCE 6104															
C	254793	11	5972	2.5	2.5	2.5	12:45	—	508	1270	0	100	0	0	0.01	<0.004
C	Notes: OUTSIDE CONTAINMENT Critical BARRIER 6104															
D	254893	12	5967	2.5	2.5	2.5	1250	—	485	1212.5	2	100	0	2	0.01	<0.004
D	Notes:															

Field Area: (Check One) ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

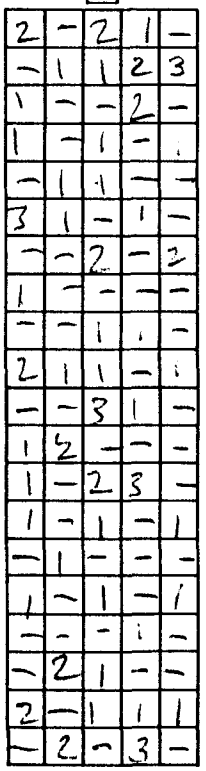
Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

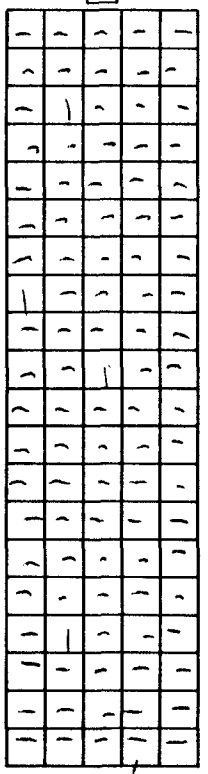
Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

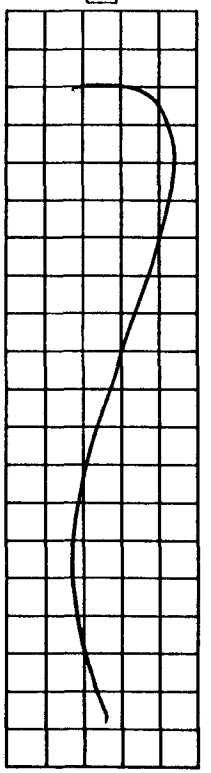
A — 9 — 71



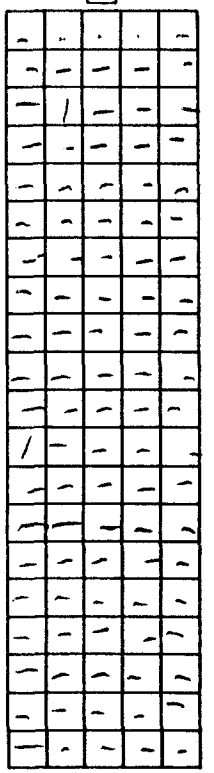
B — 10 — 4



C — 11 — 0



D — 12 — 2/100



Joseph D Eichenlaub 7/31
FIELD TECH. DATE

Joseph D Eichenlaub 7/31
ANALYST DATE

Tracor Technology Resources | **Air Sample Sheet**

1601 Research Boulevard
Rockville, Maryland 20850

Project # 6,4,1,0,0,2,9,

	Log #	Sample #	Pump ID	Flow Calibration Pre	Post	Mean	Time (Military) On	Off	Total (Min)	Volume	Count Data Total Count	Fields Counted	Blank Count	Net Count	Fibers Per cc	
A	254993	13	5966	2.5	2.5	2.5	12:35	—	486	1215	1	100	0	1	0.01	<0.004
A	Notes: Stainwell #3 6th Floor															
B	255093	14	5118	2.5	2.5	2.5	12:55	—	487	1217.5	6	100	0	6	0.01	<0.004
B	Notes: 6002 OUTSIDE Corridor Exhaust															
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 — 13 — $\frac{1}{100}$

B — 14 — $\frac{6}{100}$

C

D

Joseph D Eichenlaub 7/31
FIELD TECH. DATE

Joseph D Eichenlaub 7/31
ANALYST DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 6,4,1,0,0,2,9

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	255193	15	Hi.vol	10.0	10.0	10.0	2:00	4:00	120ø	1200	0	100	0	0	<0.01	<0.004
A	Notes: Final inside 6th Floor Containment															
B	255293	16	Hi.vol	10.0	10.0	10.0	2:00	4:00	120ø	1200	2	100	0	2	<0.01	<0.004
B	Notes: Final inside 6th Floor Containment															
C	255393	17	Hi.vol	10.0	10.0	10.0	2:00	4:00	120ø	1200	0	100	0	0	<0.01	<0.004
C	Notes: Final inside 6th Floor Containment															
D	255493	18	Hi.vol	10.0	10.0	10.0	2:00	4:00	120ø	1200	5	100	0	5	<0.01	<0.004
D	Notes: Final inside 6th Floor 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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A — 15 — 0

B — 16 — 2

C — 17 — 0

D — 18 — 5

Joseph D Eichenlaub 8/1/93
FIELD TECH. DATE

Joseph D Eichenlaub 8/1/93
ANALYST DATE

Tracor [redacted] Air San[illegible]le Sheet

Project # 6410-029

	Log #	Sample #	Pump ID	Flow Calibration Pre	Post	Liters/Min Mean	Time (Military) On	Off	Total (Min)	Volume	Count Data Total Count	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	293393	01	5631	10	10	10	2025	2355	210	2100	8.5	100	0	8.5	<0.002
A	Notes: Area - at desk of Jane May														
B	293493	02									0	100	0		
B	Notes: Blank														
C															
C	Notes:														
D															
D	Notes:														

Field Area (Check One): ☒ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

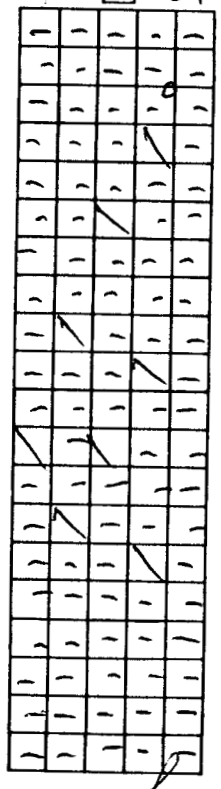
Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

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

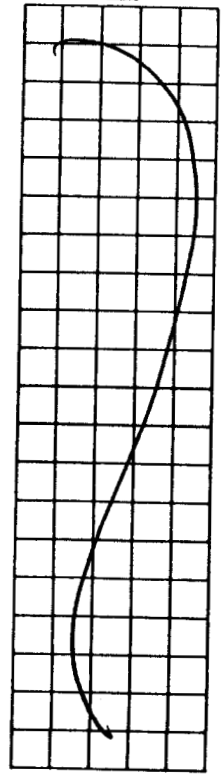
Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A 01



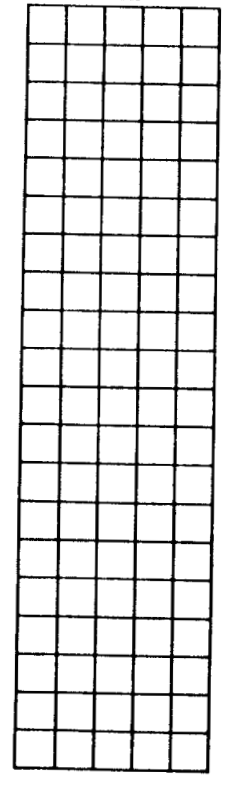
8.5/100

B

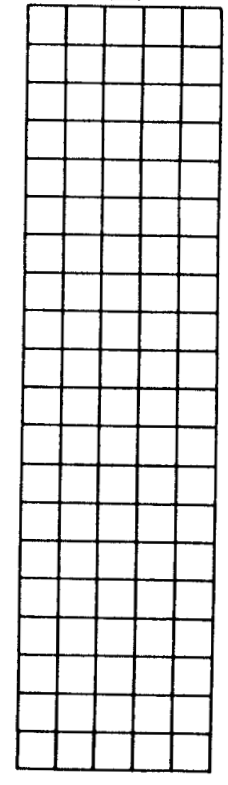


0/100

C



D



B Wells 9-18-93
FIELD TECH. DATE

B Wells 9-18-93
ANALYST DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 6410-029

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	293593	03	K	2.5	2.5	2.5	7:56	—	—	—	—	—	—	—	—
A	Notes: N.E. OF CONTAIN 6th FLOOR STAIRWELL #3 MICROTRAP EXHAUST PUMP FAILURE														
B	293693	04	N	2.5	2.5	2.5	8:00	3:30	450	1125	3	100	0	3	<.004
B	Notes: SE OF CONTAINMENT 6th FLOOR STAIRWELL #4 MICROTRAP EXHAUST														
C	293793	05	N1	2.5	2.5	2.5	8:03	3:37	453	1132.5	7	100	0	7	<.004
C	Notes: OUTSIDE ENCLOSURE BY SHOWER WEST SIDE														
D	293893	06	O	2.5	2.5	2.5	8:07	3:35	446	1115	5	100	0	5	<.004
D	Notes: WEST SIDE OUTSIDE BY HALL INTERSECTION BY 6205														

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 — 03 — Vaio

B — 04 — 3/100

C — 05 — 7/100

D — 06 — 5/100

FIELD TECH. 9-18-93 DATE

ANALYST 9-18-93 DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 6910-029

1601 Research Boulevard
Rockville, Maryland 20850

	Log #	Sample #	Pump ID	Flow Calibration Pre	Post	Mean	Liters/Min	Time (Military) On	Off	Total (Min)	Volume	Count Data Total Count	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	293993	07	51	2.5	2.5	2.5		9:35	3:33	356	890	3	100	30	3	<.006
A	Notes: NE. of Containment in STAIRWELL #3 EXHAUST															
B	294093	08	5[illegible]003	2.5	2.5	2.5			3:38	326	815	7	100	30	7	<.006
B	Notes: ~~N.E. of Contain 6th Flr Stairwell #~~ INSIDE CONTAINMENT															
C	294193	09										0	100	0		
C	Notes: BLANK															
D	294293	10										0	100	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 = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

A 07 — 3/100

B 08 — 7/100

C 09 — 0/100

D 10 — 0/100

FIELD TECH. 9-18-93 DATE

ANALYST 9-18-93 DATE

Tracor [redacted] Air San[illegible]e Sheet

Project # 6410-029

	Log #	Sample #	Pump ID	Flow Calibration Pre	Post	Mean (Liters/Min)	Time (Military) On	Off	Total (Min)	Volume	Count Data Total Count	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	294393	11	5321	10	10	10	2400	0200	120	1200	5	100	0	5	<0.004
A	Notes: Final - inside WA - NE wall														
B	294493	12	614	10	10	10	2400	0200	120	1200	2.5	100	0	2.5	<0.004
B	Notes: Final - inside WA - SE wall														
C	294593	13	1209	10	10	10	2400	0200	120	1200	9	100	0	9	<0.004
C	Notes: Final - inside WA - NW wall														
D	294693	14	126	10	10	10	2400	0200	120	1200	2	100	0	2	<0.004
D	Notes: Final - inside WA - SW wall														

Field Area (Check One): ☒ .00785 ☐ .00801 ☐ .00754 ☐ .00817 ☐ .00724

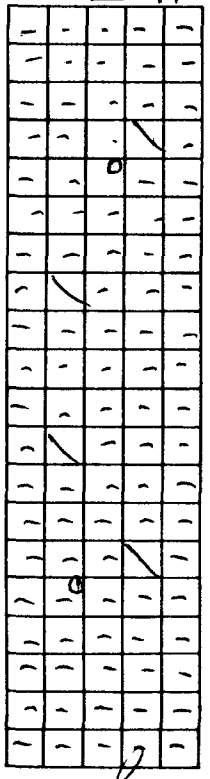
Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

Filter Size: ☒ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

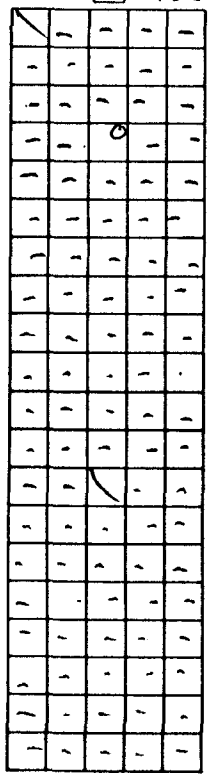
Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

Fibers Per cc = $\frac{(\text{Net Count}/100) \times \text{Filter Area}}{\text{Field Area} \times \text{Volume} \times 1000}$

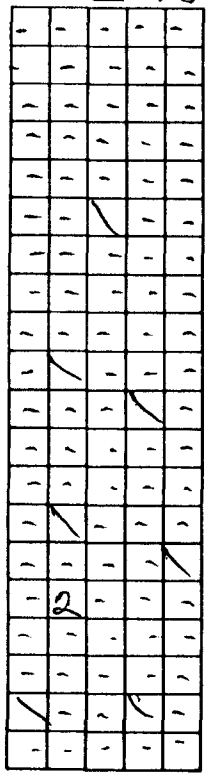
A 11



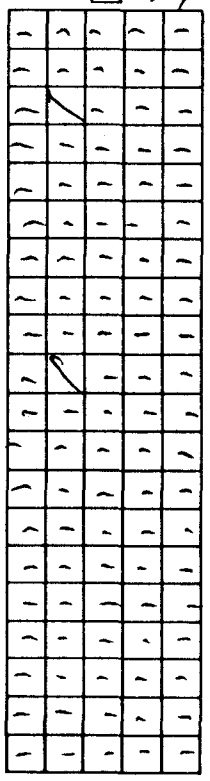
B 12



C 13



D 14



B. Wells 9-19-93
FIELD TECH. DATE

B. Wells 9-19-93
ANALYST DATE

Page # 1

LOG SHEET

Date: 7-30-93 - 7-31-93

Project Number: 6410-029-01

Industrial Hygienist: CHARLES E WILES JR

Abatement Contractor/Supervisor: RETRO, GENERAL FOREMAN BOB GURECKI
SUPERINTENDANT DAVID GURECKI

Time	Remarks
7:00 PM	RETRO ON SITE WITH CREW OF 13
	2 FOREMANS 11 WORKERS
7:15 PM	FOREMANS VIDIO TAPING AREA - & MOVING CHAIRS
	OUT OF AREA
7:30 PM	MET WITH CHRIS HIGHTEWER - SHOWED ME AREA OF
	WORK FOR NIGHT
8:00 PM	MET WITH HERB PANKY - OPENING WINDOWS
9:00 PM	RETRO HANGING POLY
9:30-10:30 PM	RETRO BREAK FOR LUNCH
11:00 PM	RETRO HANG POLY IN WALLS
12:30 AM	RETRO INSTALLING DROP CLOTHS
1:00 AM	SETUP PUMPS - WILL WAIT UNTIL 5:00 TO TURN ON
2:00 AM	RETRO HANGING POLY IN HALL N-S.
3:00	RETRO BEGAN SETUP OF 3 STAGE DECON
3:45	C. WILES INSPECTED CONTAINMENT WITH BOB GURECKI
	SETUP ACCEPTABLE - ~~18~~ 20 CON MICROTRAPS IN CONTAINMENT
4:00	NEG AIR -020 - 024 RETRO MEN CHANGING CLOTHES
	FOR START UP - SEALING CRITICALS ABOVE CEILING
	NORTH SIDE NEEDED SEALING UP.
	ELECTRICIAN ON SITE 3:45. 2 MEN
4:15	SPOKE WITH HERB PANKY WILL START UP PUMP APPROX 5:00 AM
5:10	NEG AIR -040
5:20	ELECTRICIAN ON SITE
5:25	ELECT. BEGAN UNCRATING LIGHTS ON PALLETS
5:45	ELECTRICIAN 7 DOZEN LIGHT INSIDE NEG
	AIR -028

Page # 2

LOG SHEET

Date: 7-31-93

Project Number: 6410-029-01

Industrial Hygienist: C. Wilcox

Abatement Contractor/Supervisor: RETRO GENERAL FOREMAN BOB GURECKI

Time	Remarks
5:47	PIPE SITTERS ON SITE
6:05	RETRO HEPPA VAC C. TILE & BEGIN PASSOUT
	ELECT. UPSET - STILL HAVE LIGHTS TO MOVE
	INSIDE AREA. NO ONE GROUP CONTACT WITH
	OTHER
6:15	MIKE LARSON & JOE ON SITE
6:20	INSPECTED AREA
7:00	C. WILCOX OFFSITE

Page # 1

7/31/93 — 7/31/93
7:00 AM — 7:00 PM

LOG SHEET

Date: 7-31-91

Project Number: 6410-029-01

Industrial Hygienist: Joseph D Eichenlaub

Abatement Contractor/Supervisor: RETRO / DAVID

Time	Remarks
6:00	Arrived on site MET MIKE LARSEN in the lobby
6:20	[illegible] on the 6th Floor. RETRO Removing
	[illegible] walked through the Containment
	[illegible] both [illegible] MIKE Air Samples will
	be changed @ 7:00 AM
7:00	[illegible] + MIKE LARSEN [illegible]
	[illegible] RETRO [illegible]
7:30	[illegible] SET-up [illegible]
	[illegible]
8:15	[illegible]
9:00	No problems encountered [illegible] -0.028
10:00	No problems encountered RETRO workers are
	[illegible]
10:30	no problems [illegible] -0.036
11:30	no problems Workers Showering at [illegible] lunch
12:00	[illegible]
1:00	negative pressure -0.024 SPIKES above
	no problems encountered Air Samples have been
	Change
2:00	no problems workers inside installing Sprinkler
	System. RETRO worker Removing lights and taking
	them down stairs
3:00	RETRO worker still Removing [illegible] Sprinkler
	System have only [illegible]
	(5) 5:00-6:00 Abatement [illegible] (3) 4:00-5:00
	Negative Pressure -0.026

Page # 2

LOG SHEET

7/31-93 - 7/31-93

Date: July 31-91

Project Number: 6410-029

Industrial Hygienist: Jason D Eichenhuis

Abatement Contractor/Supervisor: RETRO

Time	Remarks
4:00	no [illegible] RETRO [illegible]
	Sprinkler System [illegible]
5:30	[illegible]
	[illegible]
6:30	no [illegible]
7:00	END 7/31 7:00 PM - 7/31 [illegible]

Page #_____

7/31/93 — 8-1-93
7:00pm — 7:00Am

LOG SHEET

Date: 7-31-93

Project Number: 6410-029

Industrial Hygienist: JOSEPH Eichenbaum

Abatement Contractor/Supervisor: RETRO

Time	Remarks
7/31/93 7:00pm	6th Floor - Ceiling Tile Crew inside replacing
	Tile - RETRO [illegible]
8:00	[illegible]
	[illegible]
9:00	[illegible]
	area
9:30	[illegible]
	[illegible]
	[illegible]
9:30	no problems [illegible] Ceiling Tile
	Crew placing Tile
10:30	no problems [illegible] Ceiling Tile
	[illegible]
11:00	[illegible] TAKE [illegible]
11:45	RETRO [illegible]
	negative pressure [illegible]
8/1/93 12:30	no problems Ceiling Tile Crew 2/3 Completed
	negative pressure -0.020
1:00	Ceiling Tile workers Completed
1:35	Final Visual inspection Doors RETRO workers
	evacuated the area
2:00Am	Final airsamples Setup

Page: ____

LOG SHEET

Date: 9-17-93

Project Number: 6410-029

Industrial Hygienist: B Hells

Abatement Contractor/Supervisor: Retro / D Gorecki

Time	Remarks
1900	IR and Retro on site. Working on 6th floor in the elevator and East hall area.
2000	Retro prepping area
2100	Retro continues prepping
2200	Retro still prepping
2215	Retro requests advice on removing 5 rods (3 on 8th floor, 2 on 6th) that are protruding through the ceiling tile that Retro installed previously to control ducts into previous work areas. IR did not consider it necessary to contain these areas in order to disconnect and remove the rods and gave Retro permission to do so without containing the areas. Sample 01 showed less fibers
2300	Retro continues to prep
5400	ACA prepping continues
0100	ACA shift completed
0300	ACA completed. Waiting for pipe fitters to come on job. Apparently pipe fitters are not due until later this morning
0500	Pipe fitters are here and beginning work
0700	C. Wilson, site. B Hells off site

Page # 1

LOG SHEET

Date: 9-18-93

Project Number:

Industrial Hygienist:

Abatement Contractor/Supervisor:

Time	Remarks
6:50AM	C. Wilcos on Site
7:00	Bob Wells showed C. Wilcos work to be performed
7:15	Wells offsite
7:50 to 8:00	Set up area pumps NE. stairwell
	SE stairwell, over shower, west of enclosure
	in hall
8:30	Mike Larson on site, & work began.
9:00	Manometer not working visual -02
9:30	Larson offsite
9:35	Set second pump
11:00	Neg Air 040
11:30	Crew began showering out
12:00	Crew out. Pipefitter foreman said that they should
	be out by 6-7 o'clock
12:30	Men suited back up and inside area
1:00	Progress meeting in conf. room
2:00	Progress meeting over; sprinkler fitter continuing to
	install system
3:00	Loaded metal -
4:00	Sprinkler fitter not completing bathrooms - moved to
	hall to complete tonight
5:00	Completed reading samples
6:30	Sprinkler shower out for break
6:45	Bob Wells on site
7:00	C. Wilcos offsite

LOG SHEET

Date: 9-18-93

Project Number: 6410-059

Industrial Hygienist: B Hells

Abatement Contractor/Supervisor: Retro / Dave Gorecki

Time	Remarks
1900	B Hells relieves C. Hils. C. Hils offsite
1930	Pipefitters back into ACA after break
2000	Problem arises over shortage of pipe. IR has discussion with Retro concerning when it will be permissable to run finals
2100	Pipefitters still working
2215	Pipefitters about finished and moving gear out of the ACA
2230	Retro ready for inspection. IR inspected and OK'd area. Crew had to encapsulate and patch a section of lobby ceiling that had been broken through
2400	Area encapsulated and IR started finals
2430	Pipefitters had to re enter the ACA to correct a valve in the ceiling. IR stopped the finals while they did this
0300	Finals analyzed and fiber levels within EPA limits. IR gave Retro permission to remove the ACA
0330	IR offsite

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB

Project: 6410-029-01

Location: 6TH FLOOR AREA 6EB & 6EC

Date: 7-30 - 7-31-93

Removal Contractor: RETRO

Time Started: 7:00 P.M

Monitoring Contractor: TRACON

Time Stopped: 7:00 AM

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" MIN .020	✓	
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."

RETRO SET UP AREA AND ACHIEVED NEG AIR AT .020 @ 9:00

RETRO SET UP CRITICALS ABOVE CEILING

Report Prepared By: [signature] Date: 7-31-93

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB 6th FLOOR
Project: 6410-029-01
Location: AREA 6EB & 6EC
Date: 7-31-93
Removal Contractor: RETRO
Time Inspected: 4:00
Monitoring Contractor: TRACOR
Time Work Started: 4:15

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. "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.	NOT AT THIS TIME	
	e. Matarial Kept Wetted Until Bagged.	NOT AT THIS TIME	
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."

RETRO NEG AIR .020 @ 4:00 AM 5:00 AM .040

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Charles E. Wh[illegible] Date: 7-31-93

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6410-029

Location: 6th Floor Date: 7/31/93

Removal Contractor: _____ Time Started: 7:00 Am

Monitoring Contractor: _____ Time Stopped: 7:00 Pm

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	NA	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	10 ✓	
	f. Negative pressure > .03"	-0.026	
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 Category	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	✓	
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."

#3 stairwell partially obstructed by plastic duct + table. Retro notified

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: [signature] Date: 7-31-93

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Project: Sprinklers

Location: 6EB - 6EC Date: 7-31-93

Removal Contractor: Retro Time Inspected: 0600

Monitoring Contractor: Tracor Time Work Started: 0415

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. "Microtrap" in use	✓	
	f. Negative pressure > .02"	0.028	
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	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.	✓	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ___ HEPA 1/2 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:
*Describe any problems encountered here. The above questions are to be answered either "YES" or "Problem Encountered."

NO Problems Encountered

Report Prepared By: Joseph D Eichenlaub Date: 7/31/93

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6410-029

Location: 6th Floor Date: 7/21/93 / 8-1-93

Removal Contractor: [illegible] Time Started: 7:00 PM 7/31

Monitoring Contractor: [illegible] Time Stopped: [illegible]

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	NA	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	[illegible]	
	f. Negative pressure > .03"	-0.072	
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 problems Encountered

Report Prepared By: Joseph D Eichenauer Date: 8/1/93

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: 6410-029

Location: 16th Floor Date: 8/1/93

Removal Contractor: RETRO Time Inspected: 1:35

Monitoring Contractor: TRACOR Time Completed: 4:45

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.	NA	
	d. Ventilation Equipment.	NA	
(above eye level)	e. Horizontal surfaces.	✓	
	f. Pipes.	NA	
	g. Ductwork.	NA	
	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:	15	16	17	18	
Location:	INSIDE	INSIDE	INSIDE	INSIDE	
Volume (Liters):	1200	1200	1200	1200	
Flow rate: (Liters/Minute)	10.0	10.0	10.0	10.0	
Fibers/Filter:	0	2	0	5	
Fibers/Cubic Cm:	<0.01	<0.01	<0.01	<0.01	

ANALYST ANALYZING SAMPLES: Joseph D Eichenlaub DATE: 8/1/93

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

NO Problems Encountered

Report Prepared By: Joseph D Eichenlaub Date: 8/1/93

REPORT REVIEWED BY: _____ DATE: _____

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 640-029

Location: 6th floor Date: 9-17-93 9-18-93

Removal Contractor: Retro Time Started: 1900

Monitoring Contractor: Tracor Time Stopped: _____

Inspection Catagory	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimetar Barrier		
	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 Matarial Promptly Bagged.		
	c. Debris Stored in removal area.		

9-17-93
9-18-93

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."

area being prepped - not sealed for abatement yet

Report Prepared By: B Hells Date: 9-17,18-93

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Project: 6410-029

Location: 6th FLOOR LOBBY Date: 9-18-92

Removal Contractor: RETRO Time Inspected: 8:20

Monitoring Contractor: TRACOR Time Work Started: 8:30

Inspection Category	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	YES	
	d. Vertical and Horizontal Openings	YES	
	e. "Microtrap" in use	YES	
	f. Negative pressure > .02"	VISUAL	
2. Signage	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	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 YES HEPA YES PAPR TYP"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	✓	
	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: 9-18-93

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: Sprinklers

Location: 6th Floor Date: 9-18-93

Removal Contractor: Retro Time Started: 0830

Monitoring Contractor: Tracor Time Stopped: 0930

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. GLOVE BAG PROJ	✓	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure > .03"	Readout not working	
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."

~~The~~ Stairwell #4 blocked by flex duct - Duct moved to Dan stairwell

Report Prepared By: [signature] Date: 9-18-93

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6410-029

Location: 6TH FLOOR LOBBY Date: 9-18-93

Removal Contractor: RETRO Time Started: 7:00 AM

Monitoring Contractor: TRACOR Time Stopped: 7:00 PM

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	YES	
	f. Negative pressure > .03"	.04	
2. Signage	a. Caution Signs at vestibule entry.	YES	
	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 YES HEPA YES PAPR TYP"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. No Eating/Drinking	YES	

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

Report Prepared By: [signature] Date: 9-18-93

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 6410-029

Location: 6th floor hall Date: 9-19-93

Removal Contractor: Retro Time Started: 0700

Monitoring Contractor: Tracor Time Stopped: 0330

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	na	
	d. Seals around ducts, windows and doors	yes	
	e. "Negative air machine" in use	yes	
	f. Negative pressure > .03"	yes	
2. Signage	a. Caution Signs at vestibule entry.	na	
	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 Matarial 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 1/2 face PAPR ___ TYP "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. No Eating/Drinking	yes	

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

Report Prepared By: B Hells Date: 9-19-93

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: 6410-029

Location: 6th floor Date: 9-19-93

Removal Contractor: Retro 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.	yes	
	h. Registers	yes	
	i. Lights.	yes	

9-19-93

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:	11	12	13	14	
Location:	NE wall	SE wall	NW wall	SW wall	
Volume (Liters):	1200	1200	1200	1200	
Flow rate: (Liters/Minute)	10	10	10	10	
Fibers/Filter:	5	2.5	9	2	
Fibers/Cubic Cm:	<0.004	<0.004	<0.004	<0.004	

ANALYST ANALYZING SAMPLES: B Wells DATE: 9-19-93

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

Report Prepared By: B Wells Date: 9-19-93

REPORT REVIEWED BY: _____ DATE: _____

SaLUT

Soil and Land Use Technology, Inc.

11609 Edmonston Road, Beltsville, Maryland 20705

Telephone: (301) 595-3783
Fax: (301) 595-3787

April 30, 2003

GSA, NCR, WPX
Safety & Environmental Management Division
7th & D Streets, SW, Room 2080
Washington, D.C. 20407
ATTENTION: Ms. Cathy Figuracion

RECEIVED
GSA/NCR
2003 MAY 12 P 2: 10
SAFETY, ENVIRONMENT &
FIRE PROTECTION BR. (WPY)

Re: New Executive Office Building
Contract No.: GS11P02YTC0275
Order No.: P-11-03-DC-0101
Act No.: 1B3N03291
SaLUT Job No.: 02-258

Dear Ms. Figuracion:

Pursuant to your request, Soil and Land Use Technology, Inc. (SaLUT) monitored asbestos abatement activities at the New Executive Office Building located at 725 17th St., NW, in Washington, DC. On April 22 and 23, 2003, SaLUT's Industrial Hygienist (IH), Ms. Judy Allbright, provided inspections and monitoring during the removal of asbestos floor tile and mastic for the Transformer Vaults and Switchgear abatement project. TBN is the abatement contractor performing the removal.

Abatement was conducted within a negative pressure enclosure constructed of 6-mil polyethylene sheeting and a three-stage decontamination unit attached. During all asbestos abatement, workers wore protective clothing and half-faced air purifying respirators. HEPA vacuums and were utilized during abatement to control fiber release.

Air samples were collected by the IH during removal and outside the enclosure critical barriers. Those samples were analyzed on site by Phase Contrast Microscopy (PCM) methods. Samples remained within the occupancy level (less than 0.01 f/cc) during abatement.

After the Industrial Hygienist deemed the area free from visible debris, final samples were collected. Final clearance samples were collected in accordance with DCM Section 800 regulations. All final clearance air samples were submitted to AMA Analytical Services, Inc. for analysis by Transmission Electron Microscopy (TEM). Two samples were submitted to AMA and yielded in less than 70 structures per square millimeter (<70 mm2), the occupancy level according to EPA guidelines.

Enclosed is all project documentation.

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

IH ABATEMENT DAILY REPORT

Job No: 03-258 Date: 4-22-03 Employee: Judy Rullman

Project: NEOB On-Site From: 6:30 To:

Work in Progress / Summary of Activities:

6:30 Arrive to find set up of containment nearly finished and ready to remove floortile and mastic.

7:20 Chris Drum in supervision of a crew of four. Inspection and OK given to proceed.

8:00 Kerry Bonow of HSC on site

9:45 - 8 Napkets of tile removed

11:00 All floortile up and being bagged. Mastic will go down after lunch. Break for lunch

12:00 Return to work. Integrity of containment is excellent save for sagging plastic to decon.

1:00 Inspection of area shows all tile up - mastic removed down in

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Floortile and mastic

Containment: Full

Decon: 3 stage

PPE: 1/2 face

Removal Methods: Wet

No. of Bags Removed

Abatement Contractor: TCD

Reviewed By:

DAILY REPORT, Contd.

Project: NEOB Job No. _____ Date: 4-22 Page 2 of 2

Work in Progress / Summary of Activities:

a part of the containment.

Tile has come up cleanly and seems as doing an excellent

The decon entrance pads least the remainder of the containment is in good shape

2:30 Off site

Judy Allright

Employee: _____

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

BUILDING: NEOB
LOCATION: Vault One
REMOVAL CONTRACTOR: JBN
MONITORING CONTRACTOR: Galut

PROJECT:
DATE: 4.22.03
TIME INSPECTED: 7:00
TIME WORK BEGAN: 7:00

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	✓ 2	
	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 VACUUM 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 DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	NA	
	b. SOAP & 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."

REPORT PREPARED BY: Judy Allen DATE: 4.22.03

EXHIBIT B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: REOB
LOCATION: Vault 1
REMOVAL CONTRACTOR: IBM
MONITORING CONTRACTOR: Galut

PROJECT:
DATE: 4.22.03
TIME INSPECTED: 7:00
TIME WORK BEGAN: 7:00

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	✓	
	d. SEALS AROUND DUCTS, WINDOWS, & DOORS	✓	
	e. NEGATIVE AIR MACHINE IN USE	2	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

	REMOVAL AREA		
	d. HEPA VACUUM 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 DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	NA	Now Fixed
	b. SOAP & 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."

REPORT PREPARED BY: Judy Allen DATE: 4-22-03

IH ABATEMENT DAILY REPORT

Job No: 02250 Date 4.23 Employee: Judy Peelenpi

Project: NEDB - Sutlewyn On-Site From: 6:30 To:

Work in Progress / Summary of Activities:

6:30 Chris Durrin and crew of seven on site to complete mastic removal and final cleaning. Chris says work should be done soon.

7:00 Crew in containment. Integrity of containment is good - some repair has been required on front flap of decon.

9:00 Preinspection of work area shows very good work practices and thorough removal of mastic.

10:00 Inspector for GSA on site. Containment completed. I.H. inspects Mastic cut on painted floor. Excellent removal - Okay! OK given to encapsulate.

11:00 Crew goes to lunch

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Fine cleaning

Containment: Free

Decon: 2 stage

PPE: ½ face

Removal Methods: Mastic removed today

No. of Bags Removed 2

Abatement Contractor: JBT

Reviewed By:

DAILY REPORT, Contd.

Project: NEDA Job No. _____ Date: 1. 23-03 Page 2 of 2

Work in Progress / Summary of Activities:

11:00 Encapsulate cy dirty and final sampling was now being done.

1:45: Sampling off

2:15 To lab.

Employee: Judy Allbright

EXHIBIT B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: YEOB
LOCATION: Panel 1
REMOVAL CONTRACTOR: JBM
MONITORING CONTRACTOR: Sabert

PROJECT:
DATE: 4.23
TIME INSPECTED: 7:00
TIME WORK BEGAN: 7:00

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	NA	
	d. SEALS AROUND DUCTS, WINDOWS, & DOORS	✓	
	e. NEGATIVE AIR MACHINE IN USE	2	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

	REMOVAL AREA		
	d. HEPA VACUUM 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 DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	NA - Now fixed	
	b. SOAP & 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."

REPORT PREPARED BY: Judy Albright DATE: 4-23-03

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

BUILDING: UPOB
LOCATION: Vault 1
REMOVAL CONTRACTOR: SJN
MONITORING CONTRACTOR: Galat

PROJECT:
DATE: 4.23.03
TIME INSPECTED: 10:00
TIME COMPLETED: 2:30

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 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 check list 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 Equipment	✓	
(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	NEOB 4.23.03	NEOB 4.23.03			
Location	3 North Corr.	4 South Corr.			
Volume (Liters)	1200	1200			
Flow Rate (Liters/Minute)	10.0	10.0			
Fibers/Filter	← TEM CLEARANCE →				
Fibers/Cubic Cm	← TEM →				

ANALYSTS ANALYZING SAMPLING Lab (AMA) DATE 4.23.03

FIELD NOTES: (Describe any problems encountered here. The above questions are to be answered "YES" or "Problem Encountered"

REPORT PREPARED BY: Judy Collins DATE: _____

REPORT REVIEWED BY: _____ DATE: _____

PCM ANALYSIS

SaLUT

Soil and Land Use Technolohy, Inc.

11609 Edmonston Road • Beltsville, MD 20705

Tel: (301) 595-3783
Fax: (301) 595-3787

PCM AIR SAMPLE DATA SHEET

Project: NEOB

Job No.: 02-258

Name: Jerry Ackerson

Client: FSC

Date: 4.22.03

Time on-site: 6:30 to

Analyzed On-site: ✓

Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
NEOB-FC2-03-01	FB	—		—		—	—	0/100	<0.01	Field Blank
02	FB	—		—		—	—	0/100	<0.01	Field Blank
03	WA	2.0	7:20	2.0	11:00	220	440	3/100	<0.01	Center Work Area
04	EV	5.0	7:20	5.0	11:00	220	440	2/100	<0.01	Exit to LoCon
05	EV	2.0	7:30	2.0	1:30	360	720	4/100	<0.01	Entrance to Room
06	WA	2.0	11:00	2.0	2:00	180	360	3/100	<0.01	Center Work Area
07	EV	5.0	11:00	5.0	2:00	180	360	1/100	<0.01	Entrance to Elecon

QA Reference Slide No.:		Fiber Count (F/mm²)			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)	Are Phase Rings Concentric?	Scope Check w/ Phase Shift Slide?	

COMMENTS:

BG - Background EV - Environmental WA - Work Area FC - Final Clearance PS - Personal FB - Field Blank

SaLUT Soil and Land Use Technology, Inc.
11609 Edmonston Road • Beltsville, MD 20705 Tel: (301) 595-3783
Fax: (301) 595-3787

PCM AIR SAMPLE DATA SHEET

Project: Quintelgear
Job No.:
Name: J. Culbreath

Client: GSA
Date: 4.23.03 Time on-site: 6:30 to
Analyzed On-site: ✓ Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON	Flow (Lpm) / Time OFF	Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
4.23.03.1		—	—	—	—	0/100		Field Blank
2		—	—	—	—	0/100		Field Blank
3		10.0 11:05	10.0 1:05	120	1200	TEMS		North Containment
4		10.0 11:05	10.0 1:05	120	1200			South Containment
5		2.0 7:45	2.0 10:45	180	360	4/100	<0.01	Center Containment
6		2.0 7:15	2.0 10:15	180	360	3/100	<0.01	Entrance to Decon
7		2.0 7:20	2.0 10:20	180	360	1/100	<0.01	Entrance to SG Room

QA Reference Slide No.:			Fiber Count (F/mm²)		[redacted]	Scope ID	Scope Make/Model	limits abs.(sqrt.(count1)-sqrt.(count2)) < 2.77
QC Daily Recount sample	Sample ID	Initial Count (F/mm²)	QC ID#	Blind Count (F/mm²)		Are Phase Rings Concentric?	Scope Check w/ Phase Shift Slide?	

COMMENTS:

Key: PRE - Background
OE - Outside Enclosure
EX - Microtrap Exhaust
IE - Inside Enclosure
IEF - Final Clearance
ARE - Area Sample
BZ - Personal
BLK - Field Blank
NFO - No fibers observed in 100 fields

TEM ANALYSIS

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	NEOB Switch Gear	**Chain Of Custody:**	112197
Address:	11609 Edmonston Road	**Job Location:**	Not Provided	**Date Analyzed:**	04/23/2003
	Beltsville, Maryland 20705	**Job Number:**	Not Provided	**Person Submitting:**	Judy Albright
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** 0.45 um **Filter Size:** 25 mm (385 mm²)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm²)	Analytical Sensitivity s/cc	Asbestos Type Amount	# Non Asbestos Structures	Concentration s/mm²	Concentration s/cc	Sample Type	Comments
0341335	#3	1200	0.0720	0.0045	1 Chrysotile	1	14	0.0045	N/P	
0341336	#4	1200	0.0720	0.0045	0	0	< 14	< 0.0045	N/P	

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

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. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP Accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples.

All rights reserved. AMA Analytical Services, Inc.

An AIHA (#8863), NVLAP (# 101143), & New York ELAP (#10920) Accredited Laboratory

4475 Forbes Blvd. • Lanham, MD 20706 • (301) 459-2640 • Toll Free (800) 346-0961 • Fax (301) 459-2643

AMA Analytical Services, Inc.

AIHA (#8863) NVLAP (#1143) NY ELAP (10920)
4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 112197

MAILING ADDRESS:

1. Submittal Date: 4.23.03 — Job Name/location: VEOB Switch Gear
2. Client Name: Salut — Job # : — P.O. #:
3. Street/RFD/P.O. Box: — Bill To: Salut
4. City, State, Zip: — Phone #: 301-595-3783 — Fax:
5. Contact Person: — Submitted By: (Print) (Signature)
6. **DATE & TIME RESULTS REQUIRED:** 4 / 24 / 03, **Time:** 6 AM PM ☐IMMED. ☐24HR ☐48HR ☐72HR ☐5-DAY OTHER(Specify):

SAMPLE DATA:

1. Analysis Type: ☑Asbestos ☐Lead ☐NOB-Whole(PLM/TEM) ☐NOB-Whole(PLM Only) ☐NOB-Whole(TEM Only) ☐NOB-Res. Ash(TEM) ☐TCLP for Pb ☐Other(specify):
2. Total Number Of Samples: TEM 2 PCM PLM LEAD OTHER (Specify)
3. ELECTRON MICROSCOPY SAMPLES:
   A. Filter Type: PC ☐ MCE ☐ B. Porosity: Micron C. Diameter ☐37mm ☐25mm
4. LEAD SAMPLES Wipe Type: ☐Pace ☐Palintest ☐Ghost ☐Lynx Products ☐Other (specify)
5. Release Criteria/Analytical Sensitivity: 0.010 f/cc☐ 0.005 f/cc☐ AHERA ☑ %ASBESTOS ☐ S/F1² ☐ OTHER ☐
6. Field Sheet Attached? ☐YES ☑NO If No Then Please Complete The Following:

SAMPLE ANALYSIS INFORMATION					ANALYSIS					MATRIX				CLIENT CONTACT (LABORATORY STAFF ONLY)		
CLIENT ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	WIPE AREA	TEM	PCM	PLM	LEAD	OTHER	AIR	BLANK	BULK	WIPE	Date/Time:	Contact:	By:
#3	North	4.23	1200		✓					✓						
#4	South	4.23	1200		✓					✓						
														Date/Time:	Contact:	By:
														Date/Time:	Contact:	By:

REPORTING DATA:

1. Verbal Results To Whom? Name: Chris Druin (and) Jayce Walker 240-508-3135 Phone: 301-595-3783 Beeper:
2. Date Written Results Required

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 4 / 23 / 03 @ 1400 Via: DO By (Print): E. Vanzego Sign: E. Vanzego
2. Date/Time Analyzed: 4 / 23 / 03 @ 1745 By (Print): A Saldivar Sign:
3. Results Reported To: Salut Via: Fax Date: 4 / 23 / 03 Time: 1750 Initials:
4. Comments: Voice mail to Jayce & Chris Druin

DC0105

SaLUT

Soil and Land Use Technology, Inc.

11609 Edmonston Road, Beltsville, Maryland 20705

Telephone: (301) 595-3783
Fax: (301) 595-3787

RECEIVED
GSA/NCR
2003 APR 15 P 2: 35
SAFETY, ENVIRONMENT &
FIRE PROTECTION BR. (WPYG)

March 31, 2003

GSA, NCR, WPX
Safety & Environmental Management Division
7th & D Streets, SW, Room 2080
Washington, D.C. 20407
ATTENTION: Ms. Cathy Figuracion

Re: New Executive Office Building
Contract No.: GS11P02YTC0275
Order No.: P-11-03-DC-0101
Act No.: 1B3N03291
SaLUT Job No.: 02-258

Dear Ms. Figuracion:

Pursuant to your request, Soil and Land Use Technology, Inc. (SaLUT) monitored asbestos abatement activities at the New Executive Office Building located at 725 17th St., NW, in Washington, DC. SaLUT's Industrial Hygienist (IH), Mr. Tijan N'Jie, provided inspections and monitoring during the removal of sprayed-on fireproofing for the Transformer Vaults and Switchgear abatement project. TBN is the abatement contractor performing the dry removal in phases. This report covers the final period of removal from January 21, 2003 through February 24, 2003.

Abatement was conducted within a negative pressure enclosure constructed of 6-mil polyethylene sheeting and a three-stage decontamination unit attached. During all asbestos abatement, workers wore protective clothing and Type C supplied air respirators. HEPA vacuums were utilized during abatement to control fiber release.

Air samples were collected by the IH during removal and outside the enclosure critical barriers. Those samples were analyzed on site by Phase Contrast Microscopy (PCM) methods. Samples remained within the occupancy level (less than 0.01 f/cc) during abatement.

After the Industrial Hygienist deemed the area free from visible debris, the air was allowed a twenty-four hour "clearing" period before final samples were collected. Final clearance samples were collected in accordance with DCM Section 800 regulations. All final clearance air samples were submitted to AMA Analytical Services, Inc. for analysis by Transmission Electron Microscopy (TEM). Twelve samples were collected over this time period and yielded in less than 70 structures per square millimeter (<70 mm2), the occupancy level according to EPA guidelines.

Enclosed is all project documentation. This project is complete and all areas are available for reoccupancy.

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

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date 1/21/03 Employee: Tijan & Wijie

Project: NEOB, Transformer On-Site From: 6:30p To:

Work in Progress / Summary of Activities:

6:30p On site, signed in, went through security, then proceeded down to electric vault 1, to set up pumps to aquire final air clearance. TBN crew to continue prep work in vault 2, pumps also set up in this area.

8:30p Prep work in Vault 2 comming along very well, foreman hope to be done in another couple of days, so far workers have been careful not to impact & disturb any of a.c.m. present within enclosure.

10:00p Most pieces of scaffolding in place, crew again reminded of disturbance that occured during prep work in vault 1, bumping into light fixtures, hangers etc. Invariable results in fiber enough of an impact, to cause release of fibers.

12:30a Prep work being done well, seams sealed properly where were membrane is being put down at north end of containment, decking + framing still in progress also, at southern end of enclosure.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Vault 1; Dry removal of asbestos containing fireproofing off I-Beams, substrate, VAT + associated mastics

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, Tyvek suits, gloves

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: TBN

Reviewed By:

DAILY REPORT, Contd.

Project: Transformer Job No. 02-258 Date: 11/21/03 Page 2 of ____

Work in Progress / Summary of Activities:

1:30 End of shift clean-up in progress, stopped pumps retrieved + analysed cassette then analysed data

Employee: Tijan Njie

IH ABATEMENT DAILY REPORT

Job No: 08-258 Date: 11/22/03 Employee: Tijan N'Jie

Project: NEOB; Transformers. On-Site From: 7.00p To:

Work in Progress / Summary of Activities:

7.00p On site, signed in, was then escort down to basement workarea, in vault 2. Prep work mostly at deck level, last pieces of ply wood sheeting being put over planking, set up pumps.

9.00p Decking almost completed, crew putting last pieces of plywood down, actually rubber membrane being put down in northern section of vault 2. Workers doing a good job of hepa vacuuming up any a.c.m knocked off.

10.30p Electric panel to run type C breathing machine hooked up, T B N super projects to complete framing & decking before end of shift today

12.00a Framing done, planking in place, few more pieces of plywood to be put in place, to complete decking, membrane ½ way done, critical barriers & walls also being put in, no a.c.m. observed disturbed.

1.30a End of shift cleanup in progress, stopped pumps

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Vault 2; abatement of asbestos containing fireproofing off I-Beams + substrate.

Containment: Full Enclosure

Decon: 3 Stages

PPE: Type C, Tyvek suit, gloves

Removal Methods: Dry Removal

No. of Bags Removed

Abatement Contractor: T. B. N

Reviewed By:

DAILY REPORT, Contd.

roject: Transformers Job No. 03-258 Date: 1/22/03 Page 2 of ____

Work in Progress / Summary of Activities:

retrieved + analysed cassettes, then recorded data

Employee: Ilyan N. Jie

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date 1/23/03 Employee: Tijan N'jie

Project: NEOB; Transformers On-Site From: 7.00 p. To:

Work in Progress / Summary of Activities:

7.00 p On site, signed in, was then escorted down to vault 3, workarea, informed T.B.N. supervisor Chris Druid, that enclosure at vault 1, had cleared, & could be torn down & scaffolding taken apart, so as to be able to get to VAT & associated mastic.

8.30p Super decides to suspend prep work in vault 3, break down enclosure in vault 1, then be able to fashion a containment, to abate floor tiles & associated mastics tomorrow night.

10.00p Current temperatures make vault 1 very cold, crew to try & shut louvers at intakes in hopes of raising room temperature to acceptable level. Given current pace unlikely that both break down & prep work can be done in time, to begin actual abatement of VAT tonight.

12.30a Break-down will not be completed tonight, hopes of starting vat removal gone, but most of scaffolding & related components down & out of room.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Vault 1 + 3, removal of VAT + associated mastic

Containment: Full enclosure

Decon: 3 stages

PPE: Yo face hepa, tyvek suits, gloves + goggles

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: T.B.N.

Reviewed By:

DAILY REPORT, Contd.

Project: Transformers Job No. 02-258 Date: 1/23/02 Page 2 of ____

Work in Progress / Summary of Activities:

1:30a End of shift clean-up in progress, stopped pumps, retrieved & analysed cassettes, then recorded data. Discussed a couple of areas around air intakes, that still had sprayed on a.c.m., given with of app. off. both could be easily gloved bagged, during removal of VAT tomorrow

Employee: Ryan Nizio

IH ABATEMENT DAILY REPORT

Job No: 00-258 Date: 12/4/03 Employee: Tijan N'jie

Project: NEOB, Transformer On-Site From: 7:00p To:

Work in Progress / Summary of Activities:

7:00p On site, signed in, then proceeded down to basement workarea, prep work still in progress in vault 2, super wants I.H. to do walk through, to work out some bugs prior to pre-abatement inspection of containment. In p.p.e went up to workarea above decking, crew to use little more spray adhesive, to better secure polysheeting on cinder brick walls. Also given present location of micro traps, crew to hook-up manifolds to pull air out from northern section of containment, so as to promote better air circulation within containment, proceeded to set up air sampling pumps.

9:00p Walk through of workarea, no a.c.m. debris observed on decking, crew being diligent, so as not to knock off any fireproofing ~~inadvertently~~ inadvertently

11:30p All wall up containment closed in, decontamination system being put together, foreman Hector, projects to be ready for pre-abatement inspection by mid-shift monday.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): B119 (Vault 2) abatement of asbestos containing fireproofing off T. Beams & substrate.

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, Tyvek suits, gloves

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: T. B. N

Reviewed By:

DAILY REPORT, Contd.

roject: Transformers Job No. 03-258 Date: 1/24/03 Page 2 of ____

Work in Progress / Summary of Activities:

1:00a End of shift clean-up in progress.

Employee: Ryan Ni'gia

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date: 1/21/03 Employee: Ryan Wi[illegible]

Project: NEOB, Transformers On-Site From: 7:00p To:

Work in Progress / Summary of Activities:

7:00p On site, signed in, was then escorted to basement work area, met with TBN's abatement supervisor, I.H informed, that crew will do everything possible to get enclosure on line today. Given that all critical barriers are up, crew to begin by doing a quick check of them effect repairs where necessary, before getting on with other tasks.

9:30p Prep work still in progress, decon being put up, drop cloth to be put in, soon as last wall sections are secured over floor sheeting. Respirators & type C machine being cleaned & inspected.

11:30p Manometer hooked up, supply & discharge water hoses hooked-up & tested, super wants to wait to make sure all equiptment were properly funtional, before requesting for pre-abatement inspection.

1:00p Super confirmed that all is okay, I.H. to do pre-abatement inspection at beginning of shift tonight. end of shift clean-up in progress.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): B112 (Vault 2); Abatement of asbestos containing fireproofing of I-Beams & substrate.

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, tyvek suits, gloves

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: T. B. N

Reviewed By: _____

DAILY REPORT, Contd.

roject: Transformers Job No. 02-258 Date: 1/27/03 Page 2 of ____

Work in Progress / Summary of Activities:

1:30a End of shift, left site

Employee: Ryan Wilfie

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date 1/28/03 Employee: Tijan N. Jie

Project: NEOB; Transformers On-Site From: 7.00p To:

Work in Progress / Summary of Activities:

7.00p On site, signed in, then was escorted down to basement workarea, met TBN abatement supervisor Mr Druid, crew getting into p.p.e. to proceed into enclosure. Manometer reading okay, in p.p.e. went into enclosure, adjustment made to improve air circulation within containment done, were poly had come down to be repaired, burst duct being covered, showered out, set up pump

8.45p All necessary repairs done, shrouds over high voltage burst ducts done, manometer reading okay at -0.026, and according to printout, been maintained for last 40 minutes, okayed for abatement to proceed

11.50p In p.p.e. went into enclosure, containment being properly maintained minimal a.c.m. on floor, periodic bagging being done, all critical barriers observed to be holding, showered out, manometer reading okay.

12.30p Again in p.p.e. T.H. goes into enclosure, all critical barriers observed to be holding, gross being removed promptly bagged up & bags sealed, showered out. The

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Elective Vault 2; abatement of asbestos containing fireproofing off I-Beams + Substrate

Containment: full enclosure

Decon: 3 stages

PPE: Type C, Tyvek suits, gloves

Removal Methods: Dry Removal

No. of Bags Removed

Abatement Contractor: T.B.N.

Reviewed By:

DAILY REPORT, Contd.

roject: Transformers Job No. 08-831 Date: 1/28/03 Page 9 of ____

Work in Progress / Summary of Activities:

manometer reading okay, printout also indicates that required negative pressure being maintained. Type C breathing apparatus performing well, no sharp drops in pressure.

1:10a Stopped pumps, retrieved + analysed cassettes, then recorded data, end of shift clean-up still in progress.

Employee: Ilyan Nijie

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

BUILDING: N E O B
LOCATION: Vault 2
REMOVAL CONTRACTOR: TBN
MONITORING CONTRACTOR: SaLIT

PROJECT: Transformer + Switch Gear Upgrade
DATE: 1/28/03
TIME INSPECTED: 7:30p
TIME WORK BEGAN: 8:45p

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 VACUUM IN USE	✓	
	b. MATERIAL KEPT WET UNTIL BAGGED		Dry removal
4. WORKER PROTECTION	a. DISPOSABLE CLOTHING USED ONCE	✓	
	b. PROPER NIOSH RESPIRATORS	DISPOSAL ____	
		HEPA ____	
		PAPER ____	
		TYPE "C" ✓	
	c. PROPER DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: Tijan N'jie DATE: 1/28/03

EXHIBIT B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB
LOCATION: Vault 2
REMOVAL CONTRACTOR: TBN
MONITORING CONTRACTOR: SadMT

PROJECT: Transformer + Switch Gear Upgrade
DATE: 1/28/03
TIME INSPECTED: 4:30p
TIME WORK BEGAN: 8:45p

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	NA	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

	REMOVAL AREA		
	d. HEPA VACUUM IN USE	✓	
	e. MATERIAL KEPT WET UNTIL BAGGED		Dry removal
4. WORKER PROTECTION	a. DISPOSABLE CLOTHING USED ONCE	✓	
	b. PROPER NIOSH RESPIRATORS	DISPOSAL	
		HEPA	
		PAPER	
		TYPE "C" ✓	
	c. PROPER DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: Tijan Njie DATE: 1/28/03

IH ABATEMENT DAILY REPORT

Job No: 09-258 Date 1/29/09 Employee: Vijan S. Vijie

Project: NEOB; Transformers On-Site From: 7:00p To:

Work in Progress / Summary of Activities:

7:00p On site, signed in, was then escorted to basement work area, gross removal to continue, abatement crew in process of getting into p.p.e. Manometer reading okay, print out also indicates that required negative pressure had been maintained, since end of last shift, all critical barriers observed to be holding, proceeded to set up air sampling pumps.

9:30p In p.p.e. I.H. goes into enclosure, containment properly managed, gross being bagged up as generated, bag then sealed. All critical barriers holding, micro trap primary filters relatively clean, showered out. Decon system clean + free of any soiled or contaminated garments, filter, etc. Manometer reading okay.

12:00p From outside, all critical barriers holding, manometer reading okay, print out confirms pressure being maintained at required level. In p.p.e. went into containment to observe workers, enclosure well managed, gross being bagged promptly, then bags sealed, critical barriers holding, showered out.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Electric Vault 3; abatement of asbestos containing fireproofing of I-Beams + substrate

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, Tyvek suits, gloves

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: TBN

Reviewed By:

DAILY REPORT, Contd.

Project: Transformers Job No. 02-238 Date: 1/29/02 Page 2 of ____

Work in Progress / Summary of Activities:

Outside person informed that, waste water at bottom of shower to much, so one stands in shower, water come up through drain opening, to turn on pumps to pump water out through approved filteration system.

1:25a Stopped pumps, retrieved & analyzed cassettes, then recorded data, end of shift clean-up still in progress.

Employee: Tyan Ni Jie

EXHIBIT B

ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB
LOCATION: B112
REMOVAL CONTRACTOR: TRN
MONITORING CONTRACTOR: Sad UT

PROJECT: Transformers
DATE: 1/27/03
TIME INSPECTED: 9:22p
TIME WORK BEGAN: 7:45p

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	NA	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

	REMOVAL AREA		
	d. HEPA VACUUM 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 DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: Titan Wijie DATE: 1/29/03

IH ABATEMENT DAILY REPORT

Job No: 02-231 Date 1/30/03 Employee: Vijan N'jie

Project: NEOB; Transformer On-Site From: 8:00p To:

Work in Progress / Summary of Activities:

8:00p On site, signed in, then was escorted to basement workarea, proceeded to set up pumps, manometer reading okay at -0.039, print out indicates that required negative pressure had been maintained overnight, from outside containment all critical barriers holding.

I.H. observed two runs of pipes with possible asbestos containing t.s.i. on them app 20 linear feet.

10:30p In p.p.e. I.H. goes into enclosure, enclosure well managed, minimum amount of debris on flooring, filled bags sealed, micro trap filters relatively clean, all critical barriers observed to be holding, showered out. Manometer reading okay at -0.036, print out also confirms maintance of required negative pressure.

12:00a All critical barriers observed to be holding from outside, manometer reading okay, decon facility clean + free of contaminated suits, towels etc.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Electric Vault 3; abatement of asbestos containing fireproofing of I-Beam + substrate

Containment: full enclosure

Decon: 3 stages

PPE: Type C, tyvek suits, gloves

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: T. B. N.

Reviewed By:

DAILY REPORT, Contd.

Project: Transformers Job No. 02-258 Date: 1/30/03 Page 2 of ____

Work in Progress / Summary of Activities:

1:05a Stopped pumps, retrieved & analyzed cassettes, then recorded, manometer reading okay, critical barriers holding.

Employee: Tijan Njie

EXHIBIT B

ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB
LOCATION: B112; Vault 2
REMOVAL CONTRACTOR: T. B. N
MONITORING CONTRACTOR: SoLUT

PROJECT: Transformers
DATE: 11/30/03
TIME INSPECTED: 6:30p
TIME WORK BEGAN: 8:00am

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	NA	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

3. INSPECTION	a. HEPA VACUUM 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 DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: Tian Ni'jie DATE: 1/30/03

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date 1/31/03 Employee: Tijan Wijie

Project: NEOB; Transformer On-Site From: 7:00p To: -

Work in Progress / Summary of Activities:

7:00p On site, signed in, was then escorted to basement workarea. manometer reading okay, print-out also indicates, that required negative pressure had been maintained since end of last shift. I.H. proceeds to set up pumps, & crew got into p.p.e.

8:30p In p.p.e. went into enclosure, gross removal comming along very well, minimal a.c.m. debris allowed to remain on floor. All critical barriers within enclosure observed to be holding, shrouds on perforated bent plate trays properly protected, so as not to further drop a.c.m. into them, showered out. Manometer reading okay at -0.036, print-out confirms maintance of the required negative pressure

11:00p From outside containment observed to be holding pressure gauge of breathing machine okay. Manometer reading okay, print out again confirms maintance of required negative pressure, decon inspected & found to be clean & free discarded p.p.e.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): B113 (Vault 2); abatement of asbestos containing fireproofing off I-Beams & substrate

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, tyvek suits, gloves

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: T.B.N

Reviewed By: _____

DAILY REPORT, Contd.

Project: Transformers Job No. 03-258 Date: 11/31/03 Page 2 of ____

Work in Progress / Summary of Activities:

:30 a End of shift clean-up in progress, stopped pump removed & analyzed cassettes, then recorded data

Employee: Ryan Wiffie

EXHIBIT B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB
LOCATION: B112, Vault 2
REMOVAL CONTRACTOR: TBN
MONITORING CONTRACTOR: SaLUT

PROJECT: Transformers
DATE: 1/31/03
TIME INSPECTED: 8:30p
TIME WORK BEGAN: 7:30p

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	NA	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

	REMOVAL AREA		
	d. HEPA VACUUM 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 DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: Tijan N. Jie DATE: 1/31/03

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date 2/3/03 Employee: Tijan Wijie

Project: NEOB; Transformers On-Site From: 4:00p To: -

Work in Progress / Summary of Activities:

4:00p On site, signed in then proceed to basement workareas, manometer reading okay at -0.039, print out also indicates that required negative pressure, had been maintained since end of last shift.

8:30p Pumps up + running, from outside of enclosure all critical barriers observed to be holding, decon clean + free of any contaminated p.p.e. Manometer reading okay. I.H. understand from supervisor that fine cleaning might be completed tonight, or early next shift.

10:00p In p.p.e. went into enclosure, little remaining gross being removed, then entire crew will concentrate on fine cleaning. Containment well managed, gross bagged up as generated, and bags sealed, all critical barriers observed to be holding, ~~ass~~ fireman to change out primary + secondary filters on microtaps at the end of shift, showered out.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Electric vault 3, abatement of asbestos containing fireproofing off I-Beams + substrate.

Containment: Full enclosures

Decon: 3 stages

PPE: Type C, tyvek suites, gloves

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: T. B. W.

Reviewed By: _____

DAILY REPORT, Contd.

Project: NEOB, Transformer Job No. 02-258 Date: 2/3/03 Page 2 of ____

Work in Progress / Summary of Activities:

2:30a Manometer reading okay at -0.036, filtered barriers from outside ~~[illegible]~~ building, decon system has no noticeable water leaks.

~~[illegible]~~:10a Stopped pumps, retrieved & analyzed cassettes, then recorded data.

Employee: Tijan Nijie

EXHIBIT B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB
LOCATION: Rm B112, Vault 2
REMOVAL CONTRACTOR: T.B.N
MONITORING CONTRACTOR: SadUT

PROJECT: Transformers
DATE: 2/3/03
TIME INSPECTED: 9.50 p
TIME WORK BEGAN: 7.00 p

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	NA	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

	REMOVAL AREA		
	d. HEPA VACUUM 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 DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: Tijan Ni'jie DATE: 2/3/03

IH ABATEMENT DAILY REPORT

Job No: 03-258 Date 8/4/03 Employee: Vijan Nijie

Project: NEOB; Transformers On-Site From: 7.00p To: -

Work in Progress / Summary of Activities:

7.00p On site, signed, was then escorted to basement workarea (B112), met with TBN abatement supervisor, fine cleaning will continue. Manometer reading okay at -0.032, printout also indicates that required pressure had been maintained since end of last shift, all critical barriers observed to be holding, set up pumps.

9.00p In ppe went into containment, enclosure well managed, debris being generated being promptly hepa vacuumed, micro trap filters okay, all critical barriers observed to be holding, showered out. Manometer reading okay, printout also indicates maintance of required negative pressure.

10.30p Manometer reading okay at -0.032, all critical barriers holding, decon found to clean & free of usual debris i.e soiled suits, towels, filters etc. According to super foreman, fine cleaning halfway done, projects to be ready by tomorrow or Thursday.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): B112, Vault 2, abatement of asbestos containing fireproofing off I-Beams & substrate

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, Tyvek suits, gloves.

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: TBN

Reviewed By: _____

DAILY REPORT, Contd.

Project: Transformers Job No. 02-258 Date: 2/4/03 Page 2 of ____

Work in Progress / Summary of Activities:

2:30 a All critical barriers observed to be holding, decon system well maintained, manometer reading okay. Fine cleaning progressing very well, crew now more familiar with respecting layouts, moving faster.

1:30 a End of shift clean-up in progress, stopped air monitoring pumps, retrieved & analyzed cassettes & then recorded data

Employee: Tyan Nijio

EXHIBIT B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB
LOCATION: B118, Vault 3
REMOVAL CONTRACTOR: TBD
MONITORING CONTRACTOR: Sadler

PROJECT: Transformer
DATE: 3/4/06
TIME INSPECTED: 8:30 p
TIME WORK BEGAN: 7:20 p

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	NA	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

	REMOVAL AREA		
	d. HEPA VACUUM 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 DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: Yan Nijie DATE: 2/4/03

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date 2/5/03 Employee: Tijan S. N'jie

Project: NEOB; Transformers On-Site From: 7:00p. To: -

Work in Progress / Summary of Activities:

7:00p On site, signed in, was then escorted to basement workareas, manometer reading at -0.023, given pressure reading at end of last shift, so some criticals must have come loose, crew to get into p.p.e. & s.e.p. to proceed into enclosure to effect neccessary repairs. From outside though, all barriers observed to be holding, set up air monitoring pumps.

8:30p Manometer reading okay at -0.037, print out also indicates that required negative pressure had been maintained since repairs had been effected. According to supervisor Mr. Druid, it will be friday 2/7, at earliest, that enclosure will be ready, for final visual inspection.

10:00p In p.p.e. went into enclosure, fine cleaning comming along very well, a concerted effort, should be able to get it done tomorrow, hopefully. All critical barriers observed to be holding, given phase, (fine cleaning) hardly any noticeable a.c.m. debris on floor, filters on traps okay, but will be changed out at end of shift, showered out.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): B112, Vault 2; abatement of asbestos containing fire proofing off I-Beams + substrate

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, Tyvek suits, gloves

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: T.B.N.

Reviewed By: _____

DAILY REPORT, Contd.

roject: Transformers Job No. 02-258 Date: 2/5/03 Page 2 of ____

Work in Progress / Summary of Activities:

2:00 a Manometer reading wshay at -0.039, print-out also confirms maintance of required, critical barriers holding decon system clean & free of any soil or used p.p.e.

:30 a Stopped pumps, retrieved & analysed cassettes, then recorded data

Employee: Ryan Wijie

EXHIBIT B

ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING:_____ PROJECT:_____
LOCATION: _____ DATE: _____
REMOVAL CONTRACTOR: _____ TIME INSPECTED: _____
MONITORING CONTRACTOR: _____ TIME WORK BEGAN: _____

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	_____	_____
	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, SAW, ETC NOT IN USE	_____	_____
	b. REMOVED MATERIAL PROMPTLY BAGGED	_____	_____
	c. DEBRIS STORED IN	_____	_____

3. INSPECTION	a. HEPA VACUUM 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 DECONTAMINTATION SEQUENCE FOLLOWED	_____	_____
5. SHOWERS	a. FUNCTIONING	_____	_____
	b. SOAP & 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."

_____

_____

_____

_____

_____

_____

REPORT PREPARED BY: _____ DATE: _____

IH ABATEMENT DAILY REPORT

Job No: 00-258 Date 2/6/03 Employee: Tijan N'jie

Project: NEOB; Transformers On-Site From: 7:00 p TO:

Work in Progress / Summary of Activities:

7:00p On site, signed in, was then escorted to basement warehouse, met with T.B.N's abatement supervisor; fine cleaning commencing along very well, but as crew still about a shift + a half from completion. Manometer reading okay, printout also indicates that required negative pressure had been maintained since end of last shift, proceeded to set up air sampling pumps.

9:30p In p.p.e. I.H. goes into enclosure, fine cleaning commencing along very well, but will most likely take crew till tomorrow to be ready for final visual inspection, little a.c.m debris being generated, being promptly hepa vacuumed, All critical barriers observed to be holding, filters on traps relatively clean, showered out, decon clean & free of any discarded p.p.e. Manometer reading okay, printout also indicates that required negative pressure being maintained.

11:00p From outside enclosure, all critical barriers holding, decon clean, manometer reading okay, print out confirms maintenance of negative pressure

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): B118, Vault 3; abatement of asbestos containing fireproofing off I Beams + Substrate

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, tyvek suit, gloves

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: T.B.N.

Reviewed By:

DAILY REPORT, Contd.

roject: Transformers Job No. 02-258 Date: 2/6/03 Page 2 of ____

Work in Progress / Summary of Activities:

1:30 a Stopped pumps, retrieved & analyzed cassettes, then recorded data, end of shift clean-up in progress.

Employee: _____

SaLUT
Soil and Land Use Technology, Inc.
11609 Edmonston Road • Beltsville, MD 20705
Tel: (301) 595-3783
Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Project: NEOB; Transformers
Job No.: 02-258
Name: Ilyan Nijlie

Type of Sample: PCM TEM LEAD
Client: C.S.A.
Date: 2/6/03 Time on-site: 7:00p to
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
0206-258-1	EV	7:53p	5	1:12a	5	319	1595	5½/100	<0.01	by door to Rm B112
2	EV	7:54p	5	1:12a	5	318	1590	9½/100	<0.01	outside decon
3	EV	7:58p	5	1:15a	5	317	1585	6½/100	<0.01	in breeze way between vault + switch gear Rm
4	WA	7:56p	2	1:10a	2	314	628	15½/100	0.016	inside work area
5	Fb							0/100		
6	Fb							0/100		

QA Reference Slide No.:		Fiber Count (F/mm²)		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)	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

EXHIBIT B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB
LOCATION: B112, Vault 2
REMOVAL CONTRACTOR: T.B.N
MONITORING CONTRACTOR: Sal UT

PROJECT: Transformers
DATE: 2/6/03
TIME INSPECTED: 9.20p
TIME WORK BEGAN: 7.27p.

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	NA	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

	REMOVAL AREA		
	d. HEPA VACUUM 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 DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: _____ DATE: 2/6/03

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date 2/11/03 Employee: Tijan N'die

Project: NEOB; Transformers On-Site From: 7:00p To:

Work in Progress / Summary of Activities:

7:00p On site, signed in, was then escorted to basement workroom, met with T.B.N's abatement supervisor; fire cleaning coming along very well, but our crew still about a shift + a half from completion. Manometer reading okay, printout also indicates that required negative pressure had been maintained since end of last shift, proceeded to set up air sampling pumps.

9:30p In p.p.e. I.H. goes into enclosure, fire cleaning coming along very well, but will most likely take crew till tomorrow to be ready for final visual inspection, little a.c.m debris being generated, being promptly hepa vacuumed, All critical barriers observed to be holding, filters on traps relatively clean, showered out, decon clean & free of any discarded p.p.e. Manometer reading okay, printout also indicates, that required negative pressure being maintained.

11:00p From outside enclosure, all critical barriers holding, decon clean, manometer reading okay, print out confirms maintenance of negative pressure

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): B118, Vault 3; abatement of asbestos containing fireproofing off I Beams + Substrate

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, tyvek suits, gloves

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: T.B.N.

Reviewed By:

DAILY REPORT, Contd.

Project: Transformers Job No. 02-258 Date: 2/6/03 Page 2 of ____

Work in Progress / Summary of Activities:

1:30 a Stopped pumps, reactivated & analyzed cassettes, then recorded data, end of shift clean-up in progress.

Employee: _____

EXHIBIT B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB
LOCATION: Bldg, Vault 2
REMOVAL CONTRACTOR: T.B.N
MONITORING CONTRACTOR: Sal UT

PROJECT: Transformers
DATE: 2/6/03
TIME INSPECTED: 9.20p
TIME WORK BEGAN: 7.27p.

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	NA	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

ASBESTOS ABATEMENT START-UP CHECKLIST

	REMOVAL AREA		
	d. HEPA VACUUM 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 DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: [signature] DATE: 2/6/03

IH ABATEMENT DAILY REPORT

Job No: 08-258 Date 2/7/03 Employee: Tijan Njie

Project: NEOB; Transformers On-Site From: 7:00p To: .

Work in Progress / Summary of Activities:

7:00p On site, signed in, was then escorted to basement work area, T.B.N. abatement supervisor Mr Druid, believes, that crew will be done with fine cleaning, sometime around midnight. Proceeded to set-up air sampling pumps, manometer reading okay, print-out also confirms maintance of required negative pressure, from outside enclosure, critical barriers observed to be holding.

9:30p In p.p.e. I.H. in containment, fine cleaning comming along very well, actual cleaning almost done, mostly punch out stuff + hepa cleaning of bust bar trays in progress, foreman still holds on to midnight schedule. All critical barriers observed to be holding, decon system free of any debris, showered out. Manometer reading okay.

10:30p Final visual inspection completed, all needed re-cleaning done, okayed, crew to go ahead + encapsulate only I-Beams + substrate. Poly sheeting being brought in, to cover bust trays, prior to applying encap

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): B112 (vault 2); abatement of asbestos containing fireproofing off I-Beams + substrate.

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, tyvek suits, goggles

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: T.B.N.

Reviewed By:_____

SaLUT

11609 Edmonston Road • Beltsville, MD 20705 • (301) 595-3783

DAILY REPORT, Contd.

Project: Transformers Job No. 02-258 Date: 2/7/03 Page 2 of ____

Work in Progress / Summary of Activities:

encapsulation, stopped pumps. Manometer reading okay, all critical barriers observed to be holding.

Employee: Ryan Wiggie

EXHIBIT B

ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB
LOCATION: B112 (Vault 2)
REMOVAL CONTRACTOR: T. B. N.
MONITORING CONTRACTOR: SadUT

PROJECT: Transformers
DATE: 2/7/03
TIME INSPECTED: 9.10p
TIME WORK BEGAN: 9.25p

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	NA	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

ASBESTOS ABATEMENT START-UP CHECKLIST

3. INSPECTION	a. HEPA VACUUM 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 DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: Tyan N'Jie DATE: 2/7/03

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

BUILDING: NEOB
LOCATION: B112 (Vault 2)
REMOVAL CONTRACTOR: T.B.N
MONITORING CONTRACTOR: SaLUT

PROJECT: Transformers
DATE: 2/7/03
TIME INSPECTED: 10.00p
TIME COMPLETED: 10.25p

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 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 check list 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 Equipment	✓	
(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					
Location					
Volume (Liters)					
Flow Rate (Liters/Minute)					
Fibers/Filter					
Fibers/Cubic Cm					

ANALYSTS ANALYZING SAMPLING_____ DATE_____

FIELD NOTES: (Describe any problems encountered here. The above questions are to be answered "YES" or "Problem Encountered"

_____

_____

_____

_____

_____

_____

REPORT PREPARED BY: Vijay Wife DATE: 2/7/03

REPORT REVIEWED BY: _____ DATE: _____

IH ABATEMENT DAILY REPORT

Job No: 08-058 Date 2/7/03 Employee: Tijan N'jie

Project: NEOPJ Transformers On-Site From: 7:00p To:

Work in Progress / Summary of Activities:

7:00p On site, signed in, was then escorted to basement work area, T.B.N. abatement supervisor Mr Druid, believes, that crew will be done with fine cleaning, sometime around midnight. Proceeded to set-up air sampling pumps, manometer reading okay, print-out also confirms maintance of required negative pressure, from outside enclosure, critical barriers observed to be holding.

9:30p In p.p.e. I.H. in containment, fine cleaning comming along very well, actual cleaning almost done, mainly punch out stuff + hepa cleaning of burst bar tray in progress, foreman still holds on to midnight schedule. All critical barriers observed to be holding, decon system free of any debris, showered out. Manometer reading okay.

10:30p Final visual inspection completed, all needed re-cleaning done, okayed, crew to go ahead + encapsulate only I-Beams + substrate. Poly sheeting being brought in, to cover burst trays, prior to applying encap

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): B112 (Vault 2); abatement of asbestos containing fireproofing off I-Beams & substrate.

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, tyvek suits, goggles

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: T.B.N.

Reviewed By:_____

SaLUT

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DAILY REPORT, Contd.

Project: Transformers Job No. 02-258 Date: 2/7/03 Page 2 of ____

Work in Progress / Summary of Activities:

encapsulation, stopped pumps. Manometer reading okay, all critical barriers observed to be holding.

Employee: Ryan O'Fie

EXHIBIT B

ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB
LOCATION: B112 (vault2)
REMOVAL CONTRACTOR: T. B. N.
MONITORING CONTRACTOR: SaLUT

PROJECT: Transformers
DATE: 2/7/03
TIME INSPECTED: 9:10p
TIME WORK BEGAN: 9:25p

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	NA	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

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	_____	_____	_____	_____	_____
Location	_____	_____	_____	_____	_____
Volume (Liters)	_____	_____	_____	_____	_____
Flow Rate (Liters/Minute)	_____	_____	_____	_____	_____
Fibers/Filter	_____	_____	_____	_____	_____
Fibers/Cubic Cm	_____	_____	_____	_____	_____

ANALYSTS ANALYZING SAMPLING_____ DATE_____

FIELD NOTES: (Describe any problems encountered here. The above questions are to be answered "YES" or "Problem Encountered"

_____

_____

_____

_____

_____

_____

REPORT PREPARED BY: Vijay Wife DATE: 2/7/03

REPORT REVIEWED BY: _____ DATE: _____

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date: 2/10/03 Employee: Tijan N. Jie

Project: NEOB, Transformers On-Site From: 7.00p To: 3.30a

Work in Progress / Summary of Activities:

7.00p On site, signed in through security, was then escorted with to basement workarea, together with T. B. N's abatement crew. Manometer reading okay, print-out also indicates, that required negative pressure had been maintained since end of last shift, proceeded to set-up air monitoring pumps, as crew got into p.p.e. to enter containment.

9.30p In p.p.e. went into enclosure, gross removal in progress given dry removal specification required, workers in adherance to approved guidelines, gross being bagged up as generated, + bags sealed. Minimal gross observed through out containment, all critical holding, microtop filter relatively clean, showered out. Manometer reading okay, printout confirms maintance of required pressure within enclosure

11.00p All critical barriers observed to be holding, decon clean and free of any dust clutter, contaminated p.p.e. bagged-up manometer reading okay, print out confirms pressure maintance.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Switchgear Room; abatement of asbestos containing fireproofing of I-Beams + substrate

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, tyvek suits, gloves

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: T. B. N.

Reviewed By:_____

DAILY REPORT, Contd.

Project: Transformer Job No. 03-258 Date: _____ Page 2 of ____

Work in Progress / Summary of Activities:

12:30p In up-p-c: again in enclosure, approx 1/3 of removal done, containment well managed, critical barriers holding, minutran filters to be changed-out at end of shift given amount of bags generated in last couple of shift, crew to bag-out 1st thing tomorrow, showered out!

:30p Stopped pumps, deliverred cassettes, crew showering out, manometer reading okay.

2:00p All cassettes analyzed, data recorded, end of shift, left site.

Employee: Tyson Wylie

IH ABATEMENT DAILY REPORT

Job No: 03-358 Date: 5/14/03 Employee: Tyson N. Jie

Project: NEOB; Transformers On-Site From: 4.00p To: 3.30a

Work in Progress / Summary of Activities:

4.00p On site, went through security, was then escorted to basement workarea, together with T.B.N.'s abatement crew. Manometer reading okay, printout indicates that required negative pressure had been maintained since end of last shift, set up pumps, as crew gone into p.p.e. to go into enclosure, bag out to be done first.

8.30p Bag-out completed, workers outside suit-up, I went into containment, J.H. also in p.p.e in enclosure, gross removal again in progress, crew doing a great job of primary abatement, fine cleaning should be a breeze. All critical barriers observed to be holding, showered out.

10.30p Manometer reading okay, printout confirms maintance of required negative pressure, drain clean + free of any debris, shower reservoir emptied, all criticals on outside of enclosure holding.

12.00a Again in ppe went into containment, gross removal in progress, debris generated periodically bagged-up, minimal

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Switchgear room; abatement of asbestos containing fireproofing of I-Beams & substrate.

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, Tyvek suits, gloves

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: T.B.N.

Reviewed By:_____

DAILY REPORT, Contd.

Project: Transformers Job No. 03-258 Date: 2/ /03 Page 2 of

Work in Progress / Summary of Activities:

a.c.m. on floor, all critical barriers observed to be holding, minimum filters closer to present workers to be changed out, all equipment functional, observed out: Manometer reading okay, print out confirms maintance of required negative pressure.

1:30p Stopped pumps, retrieved & analyzed cassettes, then recorded data.

2:00p End of shift, left site.

Employee: Tijan Wijie

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date: 2/1/03 Employee: Dijan N'fie

Project: NEOB, Transformers On-Site From: 7:00p To: 3:30a

Work in Progress / Summary of Activities:

7:00p On site, went through security, was then escorted down to basement warehouse, together with T.B.N's abatement crew. Manometer reading okay, printout also indicates that required negative pressure had been maintained from end of last shift. Proceeded to set up air monitoring pumps as crew go into p.p.e. to go into containment.

9:30p In p.p.e. went into enclosure, crew split into 2 groups, with one at southern end of enc containment finishing off gross removal, and the other group having started on fine cleaning at southern end of warehouse. All critical barriers observed to be holding, microtraps functional + filters relatively clean, showered out.

11:00p Manometer reading okay, print out also shows maintenance of required negative pressure, from out enclosure, all critical barriers holding, decon clean + free of any discarded contaminated p.p.e. TBN project manager projects to be done with all phases of abatement in two more days.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Switchgear room; abatement of asbestos containing fireproofing off I-Beams + substrate

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, tyvek suits, gloves

Removal Methods: Dry Removal

No. of Bags Removed

Abatement Contractor: T.B.N.

Reviewed By:_____

DAILY REPORT, Contd.

Project: Transformers Job No. 02-258 Date: 2/1/03 Page 2 of ____

Work in Progress / Summary of Activities:

12:30a Again in p.p.e. went into enclosure, all gross removal done and resulting debris bagged-up, all workers in enclosure doing fine cleaning. Work being done diligently as areas completed very clean & free of visible debris. All critical barriers observed to be shielding, air vent filters to be changed out at end of shift, showered out.

1:30a Stopped pumps, retrieved & analyzed cassettes, then recorded data.

2:00a End of shift, left site.

Employee: Ryan N'Jie

IH ABATEMENT DAILY REPORT

Job No: _____ Date 2-19-3 Employee: John Vitek

Project: NEOB On-Site From: 7:00 To: 12:00

Work in Progress / Summary of Activities:

7:00 Arrived at the jobsite. Today I will be taking clearance samples from the last transformer vault. The crew has only 1 area of floor tile left to remove but they are going to do that tomorrow night.

7:30 I started the samples. They will take 3+ hours to get to the 1200 L volume.

10:30 I collected the samples and left for the lab.

12:00 ~~Finished~~ Dropped samples at the lab.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations):

Containment:

Decon:

PPE:

Removal Methods:

No. of Bags Removed

Abatement Contractor:

Reviewed By: _____

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

BUILDING: NEOB
LOCATION: Trans. Vault
REMOVAL CONTRACTOR:
MONITORING CONTRACTOR: SaLUT

PROJECT:
DATE: 2-9-3
TIME INSPECTED: 7:30
TIME COMPLETED: 11:30

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 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 check list 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	yes	
	b. Horizontal Surface	yes	
	c. Pipes	yes	
	d. Ventilation Equipment	yes	
(above eye level)	e. Horizontal Surface	yes	
	f. Pipes	yes	
	g. Ductwork	yes	
	h. Registers	yes	
	i. Lights	yes	

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	021903-FC1		021903-FC2		
Location	Trans Vault		Trans. Vault		
Volume (Liters)	1453.5		1224		
Flow Rate (Liters/Minute)	8.5		8.0		
Fibers/Filter					
Fibers/Cubic Cm	pass		pass		

ANALYSTS ANALYZING SAMPLING AMA DATE 2-20-03

FIELD NOTES: (Describe any problems encountered here. The above questions are to be answered "YES" or "Problem Encountered"

REPORT PREPARED BY: [signature] DATE: 2-19-3

REPORT REVIEWED BY: _____ DATE: _____

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date 2/20/03 Employee: Ilyan N'jie

Project: NEOB; Transformers On-Site From: 7.00p To: 3.30a

Work in Progress / Summary of Activities:

7.00p On site, went through security, was then escorted down to Vault 1 work area, together with T.B.N.'s crew. Enclosure yet to be completed, decon & some critical barriers yet to be finished, set up pumps to aquire background air samples.

9.25p Stopped pumps, retrieved & analysed cassettes, then recorded data, containment to be completed soon, at which time pre-abatement inspection will be done.

10.30p Inspection completed, after few repairs & adjustments okayed for abatement to proceed, manometer reading okay at -0.032, & had been holding for last ½ hr, set up pumps.

12.30a In p.p.e. went into enclosure, VAT removal almost completed, most of debris already bagged up. All critical barriers observed to be holding, mircrotap filters to be changed out at end of shift, showered out. Manometer reading okay, print-out also, indicates

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Vault 1; abatement of app 2000 ft² of VAT & associated mastics

Containment: Full enclosure

Decon: 2 stages

PPE: ½ face hepa, tyvek suits, gloves & goggles

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: T.B.N.

Reviewed By:_____

DAILY REPORT, Contd.

Project: Transformers Job No. 02-258 Date: 2/20/03 Page 2 of ____

Work in Progress / Summary of Activities:

that required negative pressure had been maintained

1:15a Stopped pumps, retrieved & analyzed cassettes; then recorded data.

1:30a End of shift, left site.

Employee: Tijan N'jie

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

BUILDING: NEOB
LOCATION: Vault 1
REMOVAL CONTRACTOR: T. B. N.
MONITORING CONTRACTOR: Sa LUT

PROJECT: Transformers
DATE: 2/20/03
TIME INSPECTED: 12.30a
TIME WORK BEGAN: 10.15p

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	✓	

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

3. INSPECTION	a. HEPA VACUUM 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 DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	NA	
	b. SOAP & 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."

REPORT PREPARED BY: Tian Ni'jie DATE: 2/20/03

EXHIBIT B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB
LOCATION: Vault 1
REMOVAL CONTRACTOR: TBN
MONITORING CONTRACTOR: Salut

PROJECT: Transformers
DATE: 2/20/03
TIME INSPECTED: 12:30p
TIME WORK BEGAN: 10:15p

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	NA	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

	REMOVAL AREA		
	d. HEPA VACUUM 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 DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	NA	
	b. SOAP & 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."

REPORT PREPARED BY: Tran Ni Jie DATE: 2/20/03

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date 2/21/03 Employee: Tijan N'Jie

Project: NEOB, Transformers On-Site From: 7:00p To: 3:30p

Work in Progress / Summary of Activities:

7:00p On site, went through security, then escorted down to Vault 1 workarea, together with T.B.N's Crew. Manometer reading okay, print-out also indicates that required negative pressure had been maintained since end of last shift, proceeded to set up air sampling pumps, as crew got into p.p.e.

8:30p In p.p.e. went into containment, mastic removal in progress, with high traffic areas posing the most problems (mastic seemed to be applied thicker or had several applications overtime). All critical barriers observed to be holding, microthaw filters relatively clean, showered out.

10:00p I.H. informed that enclosure will be ready for final visual inspection within an hour, all critical barriers holding for outside, manometer reading okay, print out also confirms maintance of required negative pressure.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Vault 1; abatement of app. 200ft² of vat and associated mastics

Containment: Full enclosure

Decon: 2 stages

PPE: ½ face hepa, tyvek suits, gloves & goggles

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: T.B.N.

Reviewed By:_____

DAILY REPORT, Contd.

Project: Transformers Job No. 02-358 Date: 2/21/03 Page 2 of ____

Work in Progress / Summary of Activities:

11:30p Final visual inspection conducted, and after few recleaning showed for flow area to be lightly misted, directly (holding nozzle close to flow) on to floor - stopped pumps, retrieved and analysed cassettes, then recorded data.

1:30p End of shift, left site.

Employee: Ryan Wylie

EXHIBIT B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB
LOCATION: Vault 1
REMOVAL CONTRACTOR: TBN
MONITORING CONTRACTOR: Salut

PROJECT: Transformers
DATE: 2/21/03
TIME INSPECTED: 11:00p
TIME WORK BEGAN: 4:30p

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	NA	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date: 2/24/03 Employee: Tijan N'jie

Project: NEOB; Transformers On-Site From: 4.00p To: 3.30a

Work in Progress / Summary of Activities:

4.00p On site, went through security, was then escorted down to basement work area (Vault 1), waited for electrician for access into vault.

8.10p All pumps up & running to acquire final air clearance samples.

10.10p Stopped pumps, retrieved & analysed cassettes then recorded data.

12.30a Containment taken down, shower reservoir drain through required filters, miscotraps properly protected, all equipment & bags to be put in holding room (back of switch gear room). All criticals bagged.

1.30a End of shift, left site.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Vault 1; abatement of Vat & associated mastics

Containment: Full enclosure

Decon: 2 stages

PPE: 1/2 face hepa, tyvek suits, gloves & goggles

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: T. B. N.

Reviewed By: _____

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

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	0034-258-1	0034-258-2			
Location	Vault 1 Western side	Vault 1 Eastern side			
Volume (Liters)	1220	1210			
Flow Rate- (Liters/Minute)	10 LPM	10 LPM			
Fibers/Filter	1/10	2 1/2/10			
Fibers/Cubic Cm	<0.01	<0.01			

ANALYSTS ANALYZING SAMPLING Tijan Ni Jie DATE 2/24/03

FIELD NOTES: (Describe any problems encountered here. The above questions are to be answered "YES" or "Problem Encountered"

REPORT PREPARED BY: Tijan Ni Jie DATE: 2/24/03

REPORT REVIEWED BY: _____ DATE: _____

PCM ANALYSIS

SaLUT

Soil and Land Use Technology, Inc.

11609 Edmonston Road • Beltsville, MD 20705

Tel: (301) 595-3783
Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Project: NEOB, Transformers

Job No.: 02-258

Name: Tyan N'Jie

Type of Sample : PCM TEM LEAD

Client: G.S.A.

Date: 1/21/03 Time on-site: 6:30p to

Analyzed On-site: NO / Yes Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
0121-258-1	FC	7:05p	10	9:15p	10	130	1300			Vault 1, Section 2, Western end
2	FC	7:05p	10	9:15p	10	130	1300			Vault 1, Section 2, Eastern end
3	EV	8:30p	2	12:50a	2	260	520	4 1/2 / 100	<0.01	Vault 2, by door to elev. Lobby
4	EV	8:30p	2	12:51a	2	261	522	0 / 100	<0.01	Vault 2 by " to switch gear Rm
(Pcm) 5	Fb							0 / 100		
(Pcm) 6	Fb							1/2 / 100		

QA Reference Slide No.:			Fiber Count (F/mm²)		Reference 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 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

SaLUT
Soil and Land Use Technology, Inc.
11609 Edmonston Road • Beltsville, MD 20705
Tel: (301) 595-3783
Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Project: NEOB, Transformers
Job No.: 02-258
Name: Tyan N'jie

Type of Sample: PCM TEM LEAD
Client: G.S.A.
Date: 11/22/03 Time on-site: 7:00p to
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
0202-258-1	EV	8.15p	5	1.05a	5	290	1450	4/100	<0.01	See attached floor
2	EV	8.17p	5	1.05a	5	288	1440	6/100	<0.01	plan for app. location
3	EV	8.17p	5	1.06a	5	289	1445	9/100	<0.01	of sampling pumps.
4	Fb							0/100		
5	Fb							0/100		

QA Reference Slide No.:		Fiber Count (F/mm²)			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)	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

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PCM AIR SAMPLE DATA SHEET

Project: NEOB; Transformers
Job No.: 02-258
Name: Ryan N'Jie

Client: G.S.A
Date: 11/24/03 Time on-site: 7.00p to
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
0124-258-1	EV	8.01p	5	1.05a	5	364	1820	4½/100	<0.01	See attached floor
2	EV	8.03p	5	1.06a	5	363	1815	1/100	<0.01	plan for app. location
3	EV	8.04p	5	1.08a	5	364	1820	9½/100	<0.01	of sampling pumps.
4	FB	—	—	—	—	—	—	0/100	—	—
5	FB	—	—	—	—	—	—	0/100	—	—

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

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AIR SAMPLE DATA SHEET

Type of Sample : PCM TEM LEAD

Project: NEOB Transformers

Job No.: 00-258

Name: Tijan N'Jie

Client: G.S.A.

Date: 1/28/03 Time on-site: 7:00p to

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
0108-258-1	EV	8.00p	5	1.03a	5	303	1515	4½/100	<0.01	See attached floor plan
2	EV	8.02p	5	1.04a	5	302	1510	9½/100	<0.01	for app. location of
3	EV	8.40p	5	1.07a	5	267	1335	11/100	<0.01	sampling pumps.
4	WA	8.41p	3	1.00a	3	259	777	63½/100	0.04	
5	Fb	—	—	—	—	—	—	•/100	—	— —
6	Fb	—	—	—	—	—	—	1/100	—	— —

QA Reference Slide No.:			Fiber Count (F/mm²)			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)		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

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PCM AIR SAMPLE DATA SHEET

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Tel: (301) 595-3783
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Project: NEOB Transformer's

Job No.: 02-258

Name: Tyan Nijie

Vault 2

Client: C.S.A.

Date: 1/29/03 Time on-site: 7.00pm to 3.30a

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
0129-258-1	EV	7.63a	5	1.03a	5	310	1550	4½/TWO	<0.01	by elevator foyer + door to B113
2	EV	7.54a	5	1.05a	5	311	1555	11/TWO	<0.01	at deCon entrance
3	EV	7.56a	5	1.11a	5	316	1580	9½/TWO	<0.01	at switch gear rm + vault 2 breeze way
4	WA	7.55a	2	1.17a	2	322	644	53½/TWO	0.04	inside workarea
5	Fb	—						0/TWO	—	—
6	Fb	—						1/TWO	—	—

A Reference Slide No.:			Fiber Count (F/mm²)			Scope ID	Scope Make/Model	To be within acceptable limits abs.(sqrt.(count1)-sqrt.(count2)) < 2.77
C Daily Recount sample ID:	Sample ID	Initial Count (F/mm²)	QC ID#	Blind Count (F/mm²)		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

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AIR SAMPLE DATA SHEET

Project: Transformers
Job No.: 2-258
Name: Tyan Ni'fio

Type of Sample: PCM TEM LEAD
Client: G. S. A.
Date: 1/30/03 Time on-site: 8:00p to
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
0130-258-1	EV	8.07p	5	1.10a	5	303	1515	3½/100	<0.01	See attached floor
2	EV	8.08p	5	1.10a	5	302	1510	13½/100	<0.01	plan for app. location
3	EV	8.11p	5	1.13a	5	302	1510	9½/100	<0.01	of air monitoring
4	WA	8.19p	2	1.11a	2	292	584	60/100	0.05	pumps.
5	Fb							½/100		
6	Fb							0/100		

QA Reference Slide No.:		Fiber Count (F/mm²)		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)		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

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AIR SAMPLE DATA SHEET

Type of Sample : PCM TEM LEAD

Project: NEOB, Transformers

Client: C.S.A.

Job No.: 02-258

Date: 1/31/03 Time on-site: 7.00p to

Name: Tyan N'Jie

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
0131-258-1	EV	7.13p	5	5	1.10a	297	1485	7½/100		outside decon
	EV	7.15p	5	5	1.12a	297	1485	6½/100		at passage to Switch Gear Room
	WA ~~EV~~	7.19p	2	2	1.21a	302	604	11/100	<0.01	inside workarea
	Fb	—	—	—	—	—	—	0/100	—	—
	Fb	—	—	—	—	—	—	0/100	—	—

QA Reference Slide No.:			Fiber Count (F/mm²)			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)		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

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AIR SAMPLE DATA SHEET

Type of Sample: PCM TEM LEAD

Project: NEOB, Transformers
Job No.: 02 - 258
Name: Tijan N'jie

Client: G.S.A.
Date: 2/3/03 Time on-site: 7:00 p. to
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
0203-258-1	EV	7.43p	5	1.10a	5	327	1635	3½/100	<0.01	Elevator lobby by door to B112
2	EV	7.43p	5	1.10a	5	327	1635	8½/100	<0.01	At decon entrance
3	EV	7.44p	5	1.13a	5	329	1645	16½/100	<0.01	at breeze way between switch gear Rm vault 3
4	WA	7.40p	2	1.15a	2	328	658	37½/100	0.027	inside workarea.
5	Fb	—	—	—	—	—	—	0/100	—	—
6	Fb	—	—	—	—	—	—	0/100	—	—

QA Reference Slide No.:		Fiber Count (F/mm²)			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)	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

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PCM AIR SAMPLE DATA SHEET

Project: NEOB Transformers

Job No.: 02-858

Name: Tyan Wijie

Client: G.S.A.

Date: 2/4/03 Time on-site: 7:00p to

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
0803-258-1	EV	7:20p	5	1:10a	5	290	1450	3½/10	<0.01	Elevator lobby by Rm 11a
	EV	7:20p	5	1:10a	5	290	1450	8½/10	<0.01	At breezeway between Switch Gear Rm + Vault
	EV	7:24p	5	1:13a	5	289	1445	1/10	<0.01	Outside decon
	WA	7:25p	3	1:16a	3	291	873	47/10	0.026	Inside workarea.
	Fb	—	—	—	—	—	—	0/10	—	—
	Fb	—	—	—	—	—	—	½/10	—	—

QA Reference Slide No.:		Fiber Count (F/mm²)		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)		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

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PCM AIR SAMPLE DATA SHEET

Project: NEOB. Transformers

Job No.: 02-258

Name: Tyan N'jie

Client: G.S.A.

Date: 2/5/03 Time on-site: 7:00p to

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
0205-258-1	EV	8:00p	5	1.05a	5	305	1525	5/100	<0.01	See attached floor
2	EV	8:01p	5	1.05a	5	304	1520	8½/100	<0.01	plan for app. location
3	EV	8:03p	5	1.07a	5	304	1520	100	<0.01	of air sampling
4	WA	8:09p	3	1.11a	3	302	906	18½/100	0.01	pumps.
5	Fb							0/100		
6	Fb							½/100		

QA Reference Slide No.:		Fiber Count (F/mm²)		Reference Value (Initial Count)	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 (Initial Count)	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

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AIR SAMPLE DATA SHEET

Type of Sample: PCM TEM LEAD

Project: NEOB; Transformers
Job No.: 02-258
Name: Ilyan Nijie

Client: C.S.A.
Date: 2/6/03 Time on-site: 7:00p to
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
0206-258-1	EV	7:53p	5	1:12a	5	319	1595	5½/100	<0.01	by door to Rm B112
2	EV	7:54p	5	1:12a	5	318	1590	9½/100	<0.01	outside decon
3	EV	7:56p	5	1:12a	5	317	1585	6½/100	<0.01	in breeze way between vault + switch Gear Rm
4	WA	7:56p	2	1:10a	2	314	628	15½/100	0.016	inside work area
5	FB							0/100		
6	FB							0/100		

QA Reference Slide No.:			Fiber Count (F/mm²)			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)		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

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AIR SAMPLE DATA SHEET

Type of Sample : PCM TEM LEAD

Project: NEOB, Transformers

Client: G.S.A.

Job No.: 02-258

Date: 2/7/03 Time on-site: 4:00 p to

Name: Tijan N'jie

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
0207-258-1	EV	7.43p	5	10.27p	5	~~220~~ 164	~~880~~ 820	4½/100	<0.01	See attached floor
2	EV	7.43p	5	10.27p	5	164	820	7/100	<0.01	plan for app. location
3	EV	7.47p	5	10.28p	5	161	805	5/100	<0.01	of air sampling
4	WA	7.45p	2	10.25p	2	160	320	7½/100	0.011	pumps.
5	FB							0/100		
6	FB							0/100		

QA Reference Slide No.:			Fiber Count (F/mm²)			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)		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

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PCM AIR SAMPLE DATA SHEET

Project: NEOB; Transformers
Job No.: 02-258
Name: Tyan Nijio

Client: C.S.A
Date: 2/10/03 Time on-site: 7-00p to 3.30a
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
0210-258-1	WA	1.03p	2	1.05p	2	342	684	27½/10	0.019	inside workarea
2	EV	1.17p	5	1.12p	5	355	1775	11/10	<0.01	at decon entrance
3	EV	1.18p	5	1.14p	5	556	1780	6½/10	<0.01	at door to switchgear room
4	EV	1.20p	5	1.17p	5	357	1785	4½/10	<0.01	at breeze way to vault 2
5	FB							5/10		

A 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
C 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

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PCM AIR SAMPLE DATA SHEET

Project: NEOR; Transformers

Job No.: 02-258

Name: Tyan N' Jie

Client: G. S. A.

Date: 2/11/03 Time on-site: 4.00p to 3.30p

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
0211 -258- 1	WA	7.14p	2	1.09a	2	355	710	33 1/3 / 100	0.023	inside workroom
2	EV	7.16p	5	1.11a	5	355	1775	21/100	<0.01	outside decon
3	EV	7.20p	5	1.15a	5	355	1775	9 1/2/100	<0.01	outside door to switchgear room
4	EV	7.23p	5	1.17a	5	355	1775	4 1/2/100	<0.01	at breezeway to Vault 2 room
5	FB							0/100		

A 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
C 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?	

OMMENTS:

Key: BG - Background EV - Environmental WA - Workroom FB - Field

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PCM AIR SAMPLE DATA SHEET

Project: NEOB, Transformers
Job No.: 02-258
Name: Tyan Ni'fie

Client: G.S.A.
Date: 2/12/03 Time on-site: 7:00p to 3:30a
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
0212-258-1	WA	7.15p	2	1.16a	2	361	722	23½/100	0.015	outside workarea
2	EV	7.18p	5	1.20a	5	362	1810	6½/100	<0.01	at decon entrance
3	EV	7.19p	5	1.20a	5	361	1805	4½/100	<0.01	at door to switchgear room
4	EV	7.22p	5	1.21a	5	361	1806	3½/100	<0.01	at breezeway to vault 2 room
5	FB							0/100		

A Reference Slide No.:		Fiber Count (F/mm²)		Scope ID	Scope Make/Model	To be within acceptable limits abs.(sqrt.(count1)-sqrt.(count2)) < 2.77
C Daily Recount sample ID:	Sample ID	Initial Count (F/mm²)	QC ID#	Blind Count (F/mm²)	Are Phase Rings Concentric?	Scope Check w/ Phase Shift Slide?

OMMENTS:

Key: BG - Background EV - Environmental WA - Work Area FB - Field Blank

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AIR SAMPLE DATA SHEET

Type of Sample : PCM TEM LEAD

Project: NEOB, Transformers
Job No.: 02-258
Name: Tyan N'jie

Client: G.S.A.
Date: 2/13/03 Time on-site: 1:00p to 3:30a
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
0213-258-1	WA	7.25p	2	1:20a	2	355	710	16½/10	0.011	inside workarea
2	EV	7.24p	5	1:18a	5	354	1770	7½/10	<0.01	outside decon
3	EV	7.22p	5	1:17a	5	355	1775	4/10	<0.01	at door to switchgear room
4	EV	7.19p	5	1:16a	5	357	1785	5½/10	<0.01	at breeze way to Vault 2 room
5	FB							0/10		

QA Reference Slide No.:			Fiber Count (F/mm²)			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)		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

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AIR SAMPLE DATA SHEET

Project: NEOB
Job No.: [redacted]
Name: John Veitch

Type: PCM X TEM ___ Lead ___
Client: GSA-Safety
Date: 2-19-3 Time on-site: 7 to 11:30
Analyzed On-site: X Laboratory: ___

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
021903 — FC1	FC	7:37	8.5	8.5	10:28	171	1453.5	N/A	pass	Transformer Vault
021903 - FC2	FC	7:41	8.0	8.0	10:14	153	1224	N/A	pass	Transformer Vault

QA Reference Slide No.:			Fiber Count (F/fields)	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 1 Count	Blind Count	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

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AIR SAMPLE DATA SHEET

Type of Sample: (PCM) TEM LEAD

Project: NEOB, Transformers
Job No.: D2-258
Name: Tijan N'jie

Client: G.S.A.
Date: 2/20/03 Time on-site: 7:00p to 3:30p
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
D220-258-1	BG	7.10p	10	9.12p	10	122	1220	7½/100	<0.01	inside workarea
2	BG	7.15p	10	9.13p	10	117	1170	4/100	<0.01	hallway outside workarea
3	EV	10.05p	5	1.00a	5	175	875	4½/100	<0.01	by double door out of room
4	EV	10.08p	5	1.08a	5	172	860	7/100	<0.01	by decon entrance
5	WA	10.10p	2	1.07a	2	177	354	6½/100	<0.01	West side of workarea
6	WA	10.10p	2	1.07a	2	177	354	11/100	0.015	East side of workarea
7	FB							0/100		

QA Reference Slide No.:			Fiber Count (F/mm²)			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)		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

SaLUT Soil and Land Use Technology, Inc.
11609 Edmonston Road • Beltsville, MD 20705
Tel: (301) 595-3783
Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Type of Sample: PCM TEM LEAD

Project: NEOP, Transformers
Job No.: 02-258
Name: Tyan Nifie

Client: G.S.A
Date: 2/21/03 Time on-site: 7:00p to 3:30p
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
D221-258-1	EV	7.15p	5	11:15p	5	243	1215	1 1/100	<0.01	At double doors into room
	EV	7:14p	5	11:15p	5	241	1205	4/100	<0.01	At decon outside
	WA	7:15p	2	11:10p	2	230	460	2 1/100	<0.01	at western side of enclosure
	WA	7:15p	2	11:10p	2	230	460	3/100	<0.01	" eastern " " "
	FB	—						1/100	—	

QA Reference Slide No.:			Fiber Count (F/mm²)			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)		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

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Tel: (301) 595-3783
Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Project: NEOB; Transformers
Job No.: 02-258
Name: Tijan N'jie

Type of Sample: PCM TEM LEAD
Client: G. S. A.
Date: 2/24/03 Time on-site: 7:00p to 3:30a
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
0224-258-1	FC	8.03p	10	10.05p	10	122	1220	1/10	<0.01	inside enclosure Western side
2	FC	8.05p	10	10.06p	10	121	1210	2½/10	<0.01	" " Eastern "
3	FB									

QA Reference Slide No.:			Fiber Count (F/mm²)			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)		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

TEM ANALYSIS

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A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	Transformer & Switch Gear Uprgade/Vault 1	**Chain Of Custody:**	107728
Address:	11609 Edmonston Road	**Job Location:**	Not Provided	**Date Analyzed:**	01/23/2003
	Beltsville, Maryland 20705	**Job Number:**	02-258	**Person Submitting:**	Tijan Nfie
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** 0.45 um **Filter Size:** 25 mm (385 mm²)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm²)	Analytical Sensitivity s/cc	Asbestos Type Amount	# Non Asbestos Structures	Concentration s/mm²	Concentration s/cc	Sample Type	Comments
0321625	0121-258-1	1300	0.0690	0.0043	0	0	< 14	< 0.0043	N/P	
0321626	0121-258-2	1300	0.0690	0.0043	0	0	< 14	< 0.0043	N/P	

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

Robert Workman

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. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP Accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples.

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AMA Analytical Services, Inc.

Fiber Count Sheet For Transmission Electron Microscopy

Date of Analysis: 1 / 23 / 03 AMA Sample #: 03216625 Filter Type/Size: MCE 25 mm PC ____ mm

Client: SOLUT Sample #: 0121-258-1 Filter Porosity: .45 µm, Lot #: ____

Chain of Custody #: 1077258 Grid Acceptable (Y) N Orientation of Letter F: ✓ T1

Analyst: B. Wockman Grid Storage Box #: 03129 Working Mag: 15 K L.O.D./Sensivity: ____ ~~s/mm²~~ 0.0043 s/cc

Signed: [signature] Row #: 5 Grid: A / B / ____ Accel. Voltage: 100 kV Volume of Air Sampled: 1300 L

Method / type (circle): EPA Level II (AHERA) Other: ____ (Air) Water Wipe Grid Openings to observe: 6

Grid Opening # Location	Structure #	Structure Type	Length & Width (In Microns)	SAED # Rows	Spectrum #	Elements Identified	Fiber Negative #	SAED Negative #	Magnification Or Camera Length	
1/J3	NSD		:						K	CM
2/R9	NSD		:						K	CM
3/X1	NSD		:						K	CM
4/Q7 x	NSD		:						K	CM
5/N1 x	NSD		:						K	CM
6/D8 x	NSD		:						K	CM
			:						K	CM
			:						K	CM
			:						K	CM
			:						K	CM
			:						K	CM
			:						K	CM
			:						K	CM
			:						K	CM
			:						K	CM

Legend: NSD = No Structures Detected F = Fiber B= Bundle C = Cluster M = Matrix UTO = Unable to Obtain ☒ = 2nd Grid

Total # of Grid Openings Observed 6 = .069 mm² # of Structures Counted: 0

Asbestos Type: 0 ____ s <5µm + ____ s ≥5µm = ____ s/mm² = ____ s/cc

Asbestos Type: ____ ____ s <5µm + ____ s ≥5µm = ____ s/mm² = ____ s/cc

Non-Asbestos Type: 0 ____ s <5µm + ____ s ≥5µm = ____ s/mm² = ____ s/cc

Total asbestos structures counted = ____ s = ____ s/mm² = ____ s/cc

SAED Calibration Date: ____/____/____ Mean Grid Opening Area is 0.0 .115 mm² Notes: ____

EDXA Calibration Date: ____/____/____ Spectra Disk Identification #: ____

Mag Calibration Date: ____/____/____

AMA Analytical Services, Inc.

Fiber Count Sheet For Transmission Electron Microscopy

Page 1 of 1

Date of Analysis: 1 / 23 / 03
AMA Sample #: 03216216
Client: SOLUT
Sample #: 0121-258-2
Chain of Custody #: 1077258
Grid Acceptable (Y) N
Analyst: B. Wockman
Grid Storage Box #: 03129
Working Mag: 15 K
Signed:
Row #: 6 Grid: A / B/ Accel. Voltage: 100 kV
Method / type (circle): EPA Level II (AHERA) Other: (Air) Water Wipe

Filter Type/Size: MCE 25 mm PC ____ mm
Filter Porosity: .45 µm, Lot #: ____
Orientation of Letter F: / /
L.O.D./Sensivity: ____ s/mm² 0.0043 s/cc
Volume of Air Sampled: 1300 L
Grid Openings to observe: 6

Grid Opening # Location	Structure #	Structure Type	Length & Width (In Microns)	SAED # Rows	Spectrum #	Elements Identified	Fiber Negative #	SAED Negative #	Magnification Or Camera Length	
1/K7	NSD		:						K	CM
2/E1	NSD		:						K	CM
3/H3	NSD		:						K	CM
4/P1 x	NSD		:						K	CM
5/Q4 x	NSD		:						K	CM
6/R2 x	NSD		:						K	CM
			:						K	CM
			:						K	CM
			:						K	CM
			:						K	CM
			:						K	CM
			:						K	CM
			:						K	CM
			:						K	CM
			:						K	CM

Legend: NSD = No Structures Detected F = Fiber B= Bundle C = Cluster M = Matrix UTO = Unable to Obtain ☒ = 2nd Grid

Total # of Grid Openings Observed 6 = .069 mm² # of Structures Counted: 0

Asbestos Type: 0 ____ s <5µm + ____ s ≥5µm = ____ s/mm² = ____ s/cc

Asbestos Type: ____ ____ s <5µm + ____ s ≥5µm = ____ s/mm² = ____ s/cc

Non-Asbestos Type: 0 ____ s <5µm + ____ s ≥5µm = ____ s/mm² = ____ s/cc

Total asbestos structures counted = ____ s = ____ s/mm² = ____ s/cc

SAED Calibration Date: ____/____/____ Mean Grid Opening Area is 0.0.175 mm² Notes: ____

EDXA Calibration Date: ____/____/____ Spectra Disk Identification #: ____

Mag. Calibration Date: ____/____/____

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CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 107728

MAILING ADDRESS:

1. Submittal Date: 1/22/03 — Job Name/location: Transformer + Switch Gear Upgrade / VAULT 1
2. Client Name: SaLUT — Job #: 02-258 — P.O. #:
3. Street/RFD/P.O. Box: 11609 Edmonston Rd — Bill To: SaLUT
4. City, State, Zip: Beltsville, MD 20705 — Phone #: 301 595 3783 — Fax: 301 595 3787
5. Contact Person: Joyce Walker — Submitted By: Tyan N'Jie (Print) (Signature)
6. **DATE & TIME RESULTS REQUIRED:** 1 / 23 / 03, Time: 1100 AM PM ☐ IMMED. ☒ 24HR ☐ 48HR ☐ 72HR ☐ 5-DAY OTHER(Specify):

SAMPLE DATA:

1. Analysis Type: ☑ Asbestos ☐ Lead ☐ NOB-Whole(PLM/TEM) ☐ NOB-Whole(PLM Only) ☐ NOB-Whole(TEM Only) ☐ NOB-Res. Ash(TEM) ☐ TCLP for Pb ☐ Other(specify):
2. Total Number Of Samples: TEM 2 PCM ____ PLM ____ LEAD ____ OTHER (Specify) ____
3. ELECTRON MICROSCOPY SAMPLES:
   A. Filter Type: PC ☐ MCE ☐ B. Porosity: ____ Micron C. Diameter ☐ 37mm ☐ 25mm
4. LEAD SAMPLES Wipe Type: ☐ Pace ☐ Palintest ☐ Ghost ☐ Lynx Products ☐ Other (specify) ____
5. Release Criteria/Analytical Sensitivity: 0.010 f/cc ☐ 0.005 f/cc ☐ AHERA ☑ %ASBESTOS ☐ S/FT² ☐ OTHER ☐
6. Field Sheet Attached? ☐ YES ☐ NO If No Then Please Complete The Following:

SAMPLE ANALYSIS INFORMATION					ANALYSIS					MATRIX				CLIENT CONTACT (LABORATORY STAFF ONLY)		
CLIENT ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	WIPE AREA	TEM	PCM	PLM	LEAD	OTHER	AIR	BLANK	BULK	WIPE	Date/Time:	Contact:	By:
0121-258-1	Vault 1		1300		✓					✓						
" " 2	Vault 1		1300		✓					✓						
														Date/Time:	Contact:	By:
														Date/Time:	Contact:	By:

REPORTING DATA:

1. Verbal Results To Whom? Name: Tyan N'Jie Phone: 240 381 5549 Beeper:
2. Date Written Results Required 1 / 23 / 02

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 1 / 22 / 03 @ 1100 Via: DO By (Print): E. Vanzego Sign: E. Vanzego
2. Date/Time Analyzed: 1 / 23 / 03 @ 0913 By (Print): B. Workmen Sign:
3. Results Reported To: Joyce Walker Via: fax Date: 1 / 23 / 03 Time: Initials:
4. Comments:

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CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	Transformers/NEOB, B112	**Chain Of Custody:**	110006
Address:	11609 Edmonston Road	**Job Location:**	Not Provided	**Date Analyzed:**	02/11/2003
	Beltsville, Maryland 20705	**Job Number:**	02-258	**Person Submitting:**	Tijan Nfie
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** 0.45 um **Filter Size:** 25 mm (385 mm²)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm²)	Analytical Sensitivity s/cc	Asbestos Type Amount	# Non Asbestos Structures	Concentration s/mm²	Concentration s/cc	Sample Type	Comments
0325440	FC-1	1250	0.0690	0.0045	0	0	< 14	< 0.0045	N/P	
0325441	FC-2	1250	0.0690	0.0045	2 Chrysotile	0	29	0.0089	N/P	

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

Robert Workman

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CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) **110006**

MAILING ADDRESS:

1. Submittal Date: 2/10/03 — Job Name/location: Transformers / NEOB, B118
2. Client Name: SaLUT — Job #: 02-258 — P.O. #:
3. Street/RFD/P.O. Box: 11609 Edmonston Rd — Bill To: SaLUT
4. City, State, Zip: Beltsville, MD 20705 — Phone #: 301 595 3783 — Fax: 301 595 3787
5. Contact Person: Joyce Walker — Submitted By: Tijan N'jie (Print) — (Signature)
6. **DATE & TIME RESULTS REQUIRED:** 2 / 11 / 03 , **Time:** 5:00 AM/PM ☐ **IMMED.** ☑ **24HR** ☐ **48HR** ☐ **72HR** ☐ **5-DAY** OTHER(Specify):

SAMPLE DATA:

1. Analysis Type: ☑ Asbestos ☐ Lead ☐ NOB-Whole(PLM/TEM) ☐ NOB-Whole(PLM Only) ☐ NOB-Whole(TEM Only) ☐ NOB-Res. Ash(TEM) ☐ TCLP for Pb ☐ Other(specify):
2. Total Number Of Samples: TEM 2 PCM ____ PLM ____ LEAD ____ OTHER (Specify) ____
3. ELECTRON MICROSCOPY SAMPLES:
   A. Filter Type: PC ☐ MCE ☐ **B.** Porosity: ____ Micron **C.** Diameter ☐ 37mm ☐ 25mm
4. LEAD SAMPLES Wipe Type: ☐ Pace ☐ Palintest ☐ Ghost ☐ Lynx Products ☐ Other (specify) ____
5. Release Criteria/Analytical Sensitivity: 0.010 f/cc ☐ 0.005 f/cc ☐ AHERA ☑ %ASBESTOS ☐ S/FT² ☐ OTHER ☐
6. Field Sheet Attached? ☑ YES ☐ NO If No Then Please Complete The Following:

SAMPLE ANALYSIS INFORMATION					ANALYSIS					MATRIX				CLIENT CONTACT
CLIENT ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	WIPE AREA	TEM	PCM	PLM	LEAD	OTHER	AIR	BLANK	BULK	WIPE	(LABORATORY STAFF ONLY)
														Date/Time: Contact: By:
														Date/Time: Contact: By:
														Date/Time: Contact: By:

REPORTING DATA:

1. Verbal Results To Whom? Name: Tijan N'jie — Phone: 2403815549 — Beeper:
2. Date Written Results Required 2 / 11 / 03

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 2 / 11 / 03 @ 0800 Via: DO By (Print): E. Vanegas Sign: E. Vanegas
2. Date/Time Analyzed: 2 / 11 / 03 @ ____ By (Print): B. Workmen Sign:
3. Results Reported To: Joyce Walker Via: fax Date: 2 / 11 / 03 Time: ____ Initials: RKW
4. Comments:

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CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	NEOB	**Chain Of Custody:**	110088
Address:	11609 Edmonston Road	**Job Location:**	Not Provided	**Date Analyzed:**	02/20/2003
	Beltsville, Maryland 20705	**Job Number:**	Not Provided	**Person Submitting:**	John Veitch
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** 0.45 um **Filter Size:** 25 mm (385 mm²)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm²)	Analytical Sensitivity s/cc	Asbestos Type Amount	# Non Asbestos Structures	Concentration s/mm²	Concentration s/cc	Sample Type	Comments
0326823	21903-FC 1	1453.5	0.0696	0.0038	1 Chrysotile	0	14	0.0038	IWA	
0326824	21903-FC 2	1224	0.0696	0.0045	1 Chrysotile	0	14	0.0045	IWA	

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

Robert Workman

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CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) **110088**

MAILING ADDRESS:

1. Submittal Date: 2-19-03 Job Name/location: NEOB
2. Client Name: SALUT Job # : P.O. #:
3. Street/RFD/P.O. Box: 11609 Edmonston Rd Bill To: SAME
4. City, State, Zip: Beltsville MD 20705 Phone #: 301 595 3783 Fax: 301 595 3787
5. Contact Person: Joyce Walker Submitted By: John Veitch (Print) (Signature)
6. **DATE & TIME RESULTS REQUIRED:** 2 / 20 / 03 , **Time:** 6 AM/PM ☒ **IMMED.** ☐ **24HR** ☐ **48HR** ☐ **72HR** ☐ **5-DAY** OTHER(Specify):

SAMPLE DATA:

1. Analysis Type: ☒ Asbestos ☐ Lead ☐ NOB-Whole(PLM/TEM) ☐ NOB-Whole(PLM Only) ☐ NOB-Whole(TEM Only) ☐ NOB-Res. Ash(TEM) ☐ TCLP for Pb ☐ Other(specify):
2. Total Number Of Samples: TEM 2 PCM PLM LEAD OTHER (Specify)
3. ELECTRON MICROSCOPY SAMPLES:
   A. Filter Type: PC ☐ MCE ☐ **B.** Porosity: Micron **C.** Diameter ☐ 37mm ☐ 25mm
4. LEAD SAMPLES Wipe Type: ☐ Pace ☐ Palintest ☐ Ghost ☐ Lynx Products ☐ Other (specify)
5. Release Criteria/Analytical Sensitivity: 0.010 f/cc ☒ 0.005 f/cc ☐ AHERA ☐ %ASBESTOS ☐ S/FT² ☐ OTHER ☐
6. Field Sheet Attached? ☐ YES ☒ NO If No Then Please Complete The Following:

SAMPLE ANALYSIS INFORMATION					ANALYSIS					MATRIX				CLIENT CONTACT
CLIENT ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	WIPE AREA	TEM	PCM	PLM	LEAD	OTHER	AIR	BLANK	BULK	WIPE	(LABORATORY STAFF ONLY)
21903 - FC1	Trans. Vault	2-19-3	1453.5		X									Date/Time: Contact: By:
21903 - FC2	Trans Vault	2-19-3	1224		X									
														Date/Time: Contact: By:
														Date/Time: Contact: By:

REPORTING DATA:

1. Verbal Results To Whom? Name: Joyce Walker Phone: 301 595 3783 Beeper:
2. Date Written Results Required / /

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 2 / 20 / 03 @ 740 Via: Pick Box By (Print): Sign:
2. Date/Time Analyzed: 2 / 20 / 03 @ 1102 By (Print): B. Workmen Sign:
3. Results Reported To: Joyce Walker Via: fax Date: 2 / 20 / 03 Time: Initials: RM
4. Comments:

0C010522

SaLUT

Soil and Land Use Technology, Inc.

11609 Edmonston Road, Beltsville, Maryland 20705

Telephone: (301) 595-3783
Fax: (301) 595-3787

May 31, 2003

GSA, NCR, WPX
Safety & Environmental Management Division
7th & D Streets, SW, Room 2080
Washington, D.C. 20407
ATTENTION: Ms. Cathy Figuracion

RECEIVED
GSA/NCR
2003 JUN 17 A 7 11
SAFETY, ENVIRONMENT &
FIRE PROTECTION BR. (WPYG)

Re: New Executive Office Building
Contract No.: GS11P02YTC0275
Order No.: P-11-03-DC-0199
Act No.: 1B3N04533
SaLUT Job No.: 03-100

Dear Ms. Figuracion:

Pursuant to your request, Soil and Land Use Technology, Inc. (SaLUT) provided Industrial Hygiene Services at the New Executive Office Building located at 725 17th St., NW, in Washington, DC. On April 25 through 27, 2003, SaLUT's Industrial Hygienist (IH), Mr. Tijan N'Jie, conducted air monitoring and inspections during the abatement of 150 square fee to sprayed-on fireproofing insulation from Room 9208K. EDS was the contractor that abated the materials within a negative pressure enclosure with a three-stage decontamination chamber attached.

Mr. N'Jie collected air samples within the containment and outside the work area during the removal process. Final clearance samples were taken after the area was deemed free from visible debris.

All samples were analyzed on site using Phase Contrast Microscopy (PCM) methods. Final clearance was achieved when results yielded in less than 0.01 fibers per cubic centimeter (<0.01f/cc). All project documentation is attached.

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
Operations Manager

DAILY LOGS AND CHECKLISTS

IH ABATEMENT DAILY REPORT

Job No: 02-958 Date 4/25/03 Employee: Tijan Nije

Project: fan coil unit repair. On-Site From: 6:00 p To: 2:30 a

Work In Progress / Summary of Activities:

6:00a On site, went through security, was then escorted up to 9th floor workarea in room 9208-15. Met with GSA rep Keri Bonos + abatement supervisor for EDS Ruben Ochoa, went over scope of work i.e. fan coil unit above ceiling had gone bad bad, & would have to be changed out, but asbestos containing fireproofing, would have to abated.

7:00p Pumps up & running to aquire background air samples as crew went about setts

9:30p Prep work in progress, stopped pumps, retrieved & analyzed cassettes, then recorded data, super projects to be done with prep work and hopefully get to begin work before end of shift.

11:30p Prep work still in progress, but look as if enclosure will not be ready before end of shift.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Rm 9208-15; abatement of app. 150 ft^2 of sprayed on asbestos containing fireproofing

Containment: Full enclosure

Decon: 3 stages

PPE: Papr, tyvek suits, gloves

Removal Methods: wet removal

No. of Bags Removed

Abatement Contractor: E.D.S.

Reviewed By:

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date: 1/26/03 Employee: Tyan N. Fie

Project: Rm 9208K, NEOB
Fan Coil Replacement

On-Site From: 8-00a To: 6:30p

Work in Progress / Summary of Activities:

8-00a On site, signed in, then escorted up to workarea Rm 9208K, EDS crew to first hook up water supply to shower prior to doing pre-abatement inspection.

9:10a Pre-abatement inspections completed, crew given go ahead to begin, decontamination of ceiling tiles, will then proceed with abatement, pumps set up, manometer reading okay at -0-031, and has been holding steady above for app. 40 minutes.

10:50a In p.p.e. went into enclosure, all ceiling tiles in designated work area removed, cleaned, encapsulated + brought out of enclosure, critical barrier being extended from ceiling grid to substrate, supervisor to proceed with gross removal i.e. removal of all A.C.M. to facilitate removal of old fan coil unit, + installation of new unit, showered out.

11:00a Lunch break

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Rm 9208-K, abatement of app. 150 ft² of sprayed on asbestos containing fireproofing

Containment: Full enclosure

Decon: 3 stages

PPE: Papr, tyvek suits, gloves

Removal Methods: wet removal

No. of Bags Removed

Abatement Contractor: EDS

Reviewed By:_____

Project: Rm 9208K NEOB Job No. 02-258 Date: 9/26/03 Page 2 of ____

Work in Progress / Summary of Activities:

12:00p Back to work, crew back in containment, super confident, that gross removal will be done in 2 to 3 hrs but it will be fine cleaning, that, might take a little longer

3:00p Gross removal completed, the debris bagged-up & brought out of containment, fine cleaning to begin shortly.

4:30p Again in p.p.e. went into enclosure, still a little ways to go, crew might be able to get visual done & capped but final avis will be acquired tomorrow morning.

6:30p Final to be done tomorrow, stopped pumps, retrieved & analysed cassettes, then recorded data

6:30p End of shift, left site.

Employee: Tyan Nijie

EXHIBIT B

ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB

PROJECT: fan coil unit replacement

LOCATION: Rm 9208-12

DATE: 4/26/03

REMOVAL CONTRACTOR: EDS

TIME STARTED: 8:00a

MONITORING CONTRACTOR: SaDUT

TIME STOPPED: 6:30p

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	NA	
	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 ✓ _____ _____

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".

_____

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REPORT PREPARED BY: Tyan Ni'fie DATE: 4/26/03

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date 4/21/08 Employee: Tyan N. Fie

Project: Fan coil unit repair, Rm 9208-K NEOB On-Site From: 9.00a To:

Work in Progress / Summary of Activities:

9.00a On site, signed in, went through security, was then escorted up to 9th floor workarea. Pumps are calibrated & set up, integrity of containment intact, encapsulant applied yesterday dry, ~~pm~~ turned up pumps.

11.45a Stopped pumps, retrieved & analysed cassettes, then recorded data, E.D.S abatement supervisor Ruben informed that enclosure could be taken down & poly bagged up.

2.00p Containment taken down, poly bagged up & sealed, equiptment brought out of workarea.

3.30p All ceiling tiles back in place, entire room hepa vacuumed.

4.30p All equiptment taken down, final inspection done, moving crew (G.S.A) putting furniture back into office

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Replacement of fan coil unit, asbestos containing fireproofing to be removed off J. Beams & substrate

Containment: Full enclosure

Decon: 3 stages

PPE: Papr, tyvek suits, gloves

Removal Methods: Wet removal

No. of Bags Removed

Abatement Contractor: E.D.S.

Reviewed By:

EXHIBIT B

ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB
PROJECT: Fan Coil unit
LOCATION: Rm 9208K
DATE: 4/27/03
REMOVAL CONTRACTOR: EDS
TIME STARTED: 8:00a
MONITORING CONTRACTOR: Sadlit
TIME STOPPED: 4:30p

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	NA	
	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	✓	
	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".

REPORT PREPARED BY: Allan N'Jie DATE: 4/27/03

PCM ANALYSIS

SaLUT
Soil and Land Use Technolohy, Inc.
11609 Edmonston Road • Beltsville, MD 20705
Tel: (301) 595-3783
Fax: (301) 595-3787

PCM AIR SAMPLE DATA SHEET

Project:
Job No.: 02-258
Name: Tyan N'Jie

Client: G.S.A.
Date: 4/25/03 Time on-site: 6:00p to 2:30a
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
0425-258-1	BG	6:21p	10	8:26p	10	125	1250	11/100	<0.01	Inside Rm 9208-K
2	BG	6:23p	10	8:27p	10	124	1240	7½/100	<0.01	outside " " "
3	FB							0/100		

QA Reference Slide No.:				Fiber Count (F/mm²)		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)		Are Phase Rings Concentric?	Scope Check w/ Phase Shift Slide?	

COMMENTS:

Key: BG - Background EV - Environmental WA - Work Area FC - Final Clearance RS - Removal FB - Field Blank

SaLUT

Soil and Land Use Technology, Inc.
11609 Edmonston Road • Beltsville, MD 20705
Tel: (301) 595-3783
Fax: (301) 595-3787

PCM AIR SAMPLE DATA SHEET

Project: Fan Coil Unit Replacement Rm 9208 K NEOB
Job No.: 02-258
Name: Jillian Nifie

Client: G.S.A
Date: 4/26/03 Time on-site: 8:00a to 4:30p
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
0426-258-1	EV	9.27a	5	1.48p	5	261	1305	6 1/2 / 100	<0.01	At decon entrance
2	WA	9.15a	2	5.57p	2	522	1044	23 1/2 / 100	0.011	Inside workarea
3	EV	9.33a	5	1.52p	5	259	1295	3 1/2 / 100	<0.01	At microtrap exhaust window
4	Fb							1/2 / 100		
5	EV	1.48p	5	5.56	5	248	1240	9 1/2 / 100	<0.01	At decon entrance
6	EV	1.52p	5	5.55p	5	243	1215	4 / 100	<0.01	At trap exhaust

QA Reference Slide No.:			Fiber Count (F/mm²)		[redacted]	Scope ID	Scope Make/Model	To be within acceptable limit abs.(sqrt.(count1)-sqrt.(count2)) <
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:

SaLUT
Soil and Land Use Technolohy, Inc.
11609 Edmonston Road • Beltsville, MD 20705
Tel: (301) 595-3783
Fax: (301) 595-3787

PCM AIR SAMPLE DATA SHEET

Project: Fan Coil unit Replacement Rm 9208-15
Job No.: 02-258
Name: Tijan N'jie

Client: G.S.A.
Date: 4/27/03 Time on-site: 9:00a to
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
2427-258-1	FC	9:15a	10	11:30a	10	135	1350	1/10	<0.01	Northern section of Rm
2	FC	9:15a	10	11:30a	10	135	1350	0/10	<0.01	Southern section of room
3	Fb	—						0/10	<0.01	

QA Reference Slide No.:			Fiber Count (F/mm²)		Reference Value WHHL-1-B2	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 Control WHHL-1-B2	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

DC0105

SaLUT

Soil and Land Use Technology, Inc.

11609 Edmonston Road, Beltsville, Maryland 20705

Telephone: (301) 595-3783
Fax: (301) 595-3787

February 4, 2003

GSA, NCR, WPX
Safety & Environmental Management Division
7th & D Streets, SW, Room 2080
Washington, D.C. 20407
ATTENTION: Ms. Debbie Washington

Re: New Executive Office Building
Contract No.: GS11P02YTC0275
Order No.: P-11-03-DC-0101
Act No.: 1B3N03291
SaLUT Job No.: 02-258

Dear Ms. Washington:

Pursuant to your request, Soil and Land Use Technology, Inc. (SaLUT) monitored asbestos abatement activities at the New Executive Office Building located at 725 17th St., NW, in Washington, DC. SaLUT's Industrial Hygienist (IH), Mr. Tijan N'Jie, provided inspections and monitoring during the removal of sprayed-on fireproofing on the deck of the Transformer Vaults 1-3. SaLUT's Ms. Alison Duff collected background samples prior to any abatement activities. TBN is the abatement contractor performing the dry removal in phases. This report covers the period from December 6, 2002 through January 16, 2003.

Abatement was conducted within a negative pressure enclosure constructed of 6-mil polyethylene sheeting and a three-stage decontamination unit attached. During all asbestos abatement, workers wore protective clothing and Type C supplied air respirators. HEPA vacuums were utilized during abatement to control fiber release.

Air samples were collected by the IH during removal and outside the enclosure critical barriers. Those samples were analyzed on site by Phase Contrast Microscopy (PCM) methods. Samples remained within the occupancy level (less than 0.01 f/cc) during abatement.

After the Industrial Hygienist deemed the area free from visible debris, the air was allowed a twenty-four hour "clearing" period before final samples were collected. Final clearance samples were collected in accordance with DCM Section 800 regulations. All final clearance air samples were submitted to AMA Analytical Services, Inc. for analysis by Transmission Electron Microscopy (TEM). Twelve samples were collected over this time period and yielded in less than 70 structures per square millimeter (<70 mm2), the occupancy level according to EPA guidelines.

Enclosed is all project documentation. This project is still in progress.

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

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date: 2/6/02 Employee: Alison Duff

Project: NEOB - Transformer Vaults On-Site From: 11:00 am To: 1:45 pm

Work in Progress / Summary of Activities: At 11:00am I arrived at the job site and called Kerry Bonos to escort me to the work area.

At 11:30am I set up two back ground samples up in the far room ~~behind~~ in the far right corner ~~of~~ from the entrance to the vault room. One was placed on the outside of the containment near the entrance and the other was placed inside the containment on the ~~right~~ wall to the right of the entrance.

At 1:30pm I retrieved the samples. They will be TEM analyzed by AMA.

I left the site at 1:45 pm.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Sprayed on fire proofing on ceiling of transformer vaults

Containment:

Decon:

PPE:

Removal Methods: NO removal - still setting up

No. of Bags Removed

Abatement Contractor: TBN

Reviewed By:

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

BUILDING: NEOB
LOCATION: Transformer Vaults
REMOVAL CONTRACTOR: TBN
MONITORING CONTRACTOR: SaLUT

PROJECT: 02-258
DATE: 12-6-02
TIME INSPECTED:
TIME WORK BEGAN:

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	PROBLEMS ENCOUNTERED
1. WORK SITE ISOLATION	a. PERIMETER BARRIER	N/A	
	b. DECONTAMINATION CURTAINS	N/A	
	c. SEALS AROUND DUCTS, WINDOWS, & DOORS	N/A	
	d. VERTICAL & HORIZONTAL OPENINGS	N/A	
	e. NEGATIVE 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)	N/A	
	c. DUMPSTER, DUCTS, DRUMS, & BAGS LABELED	N/A	

3. INSPECTION	a. HEPA VACUUM IN USE	N/A	
	b. MATERIAL KEPT WET UNTIL BAGGED	N/A	
4. WORKER PROTECTION	a. DISPOSABLE CLOTHING USED ONCE	N/A	
	b. PROPER NIOSH RESPIRATORS	DISPOSAL N/A HEPA_____ PAPER_____ TYPE "C"_____	
	c. PROPER DECONTAMINTATION SEQUENCE FOLLOWED	N/A	
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	N/A	
	b. EATING/DRINKING	N/A	

FIELD NOTES: (*DESCRIBE ANY PROBLEMS ENCOUNTERED HERE. THE QUESTIONS ARE TO BE ANSWERED EITHER "YES" OR "PROBLEM ENCOUNTERED."

Set up - running backgrounds

REPORT PREPARED BY: Alison Duff DATE: 12-6-02

IH ABATEMENT DAILY REPORT

Job No: 03-258 Date 12/11 Employee: Ryan N' Jie

NEOB

Project: Transformer & Switch Gear Replacement - Switch Gear Rm by Vaults 2+3 On-Site From: 7:00 p To:

Work in Progress / Summary of Activities:

7:00 p On site, went through security, met with Ms Bonos, went over scheudled scope of work for tonight. TBN crew to do pilot removal in switch gear room by Vaults 2+3, abatement to be done using no water at all. Met with TBN project director Chris Druin, went over projected scope, he will & inform I.H. when ready for pre-abatement inspection.

8:30p Pre-abatement inspection conducted, after minor changes & repairs cleared for abatement to proceed, crew to set up type-c & assemble respirators, Chris working on getting manometer funtional also.

9:30p Abatement supervisor, ~~[illegible]~~ TBN's I.H & rest of crew still trying to get manometer funtional, going through owners manual but unit wouldnot come on.

11:00p Apparent that manometer is broken, new unit to be brought in tomorrow night.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Dry abatement of fireproofing (asbestos containing) in Switch Gear Rm by Vaults 2+3

Containment: Full enclosure

Decon: 3 stages

PPE: Type-C, tyvek suits, gloves.

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: TPN

Reviewed By:

IH ABATEMENT DAILY REPORT

Job No: 03.2 Date: 10/12 Employee: Tijan S N' Jie

Project: B112, Switch Gear Rm, NEOB On-Site From: 7.00 p. To:

Work in Progress / Summary of Activities:

7.30p On site, signed in, then was escorted to basement workarea, crew to effect minor repairs on enclosure, then hook-up manometer & Type C machine for test.

7.50p Manometer reading okay at -0.034, and has been holding for 20 minutes, gave okay for removal of fire proofing to proceed.

8.30p All pumps up & running, crew in p.p.e. start actual abatement, super Chris, reminded that given conditions & environment in electric vault, minimal debris to be allowed on floor.

9.00p A.c.m comming off relatively easy, gross removal to be completed in app 1 hr, according to super, crew to work straight through all phases of abatement, as to better determine ~~[illegible]~~ time needed

10.00p. Gross removal, rest of crew helping out bagging-up debris, work done will proceed with fine cleaning, manometer reading okay, print out also indicate that required

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Removal of asbestos containing fire proofing off I-Beams + ~~floor~~ substrates.

Containment: Full enclosure

Decon: 3 Stages

PPE: Type-C pressure demand, double tyvek suits, gloves

Removal Methods: Dry abatement of a.c.m.

No. of Bags Removed

Abatement Contractor: T B N

Reviewed By:

DAILY REPORT, Contd.

Project: B-119 NEOB. Job No. 08-2 Date: 12/18/08 Page 2 of ____

Work in Progress / Summary of Activities:

negative pressure had been maintained. All critical barriers holding.

12:00a All gross scrapped off & bagged up, crew back to fine cleaning mechanical systems, critical barriers holding manometer reading okay, print out indicates that required negative pressure being maintained. TBN supervisor Chris has agreed to monitor amount of gross on floor at any point in time. Super informs T.H. that crew passing up on lunch, will be done at 1:00 am.

1:20a Stopped pumps, retrieved cassettes.

2:00a Cassettes analyzed, data recorded, end of shift, left site

Employee: Tran Nguyen

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

BUILDING: NEOB

PROJECT: Transformer & Switch Gear Upgrade

LOCATION: Switch Gear Room

DATE: 12/12/02

REMOVAL CONTRACTOR: TBN

TIME INSPECTED: 7:50p

MONITORING CONTRACTOR: Saldi

TIME WORK BEGAN: 8:30p

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	✓	
	b. SOAP & 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".

REPORT PREPARED BY: Tijan N'jie DATE: 12/12/02

EXHIBIT B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB
PROJECT: Transformer & Switch Gear Upgrade
LOCATION: Switch Gear Room
DATE: 12/12/03
REMOVAL CONTRACTOR: TBN
TIME STARTED: 7:50 p
MONITORING CONTRACTOR: SaLUT
TIME STOPPED: 8:30 p

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	NA	
	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 ✓

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".

REPORT PREPARED BY: Tijan Wijie DATE: 12/12/02

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date 12/13 Employee: Tyan N'fie

Project: Switch Gear Rm B112 On-Site From: 7.00p To:
NEOB.

Work in Progress / Summary of Activities:

7.30p On site, signed in, then was escorted to basement work area, met with abatement project manager Mr Druid, crew to continue fine cleaning projected to be completed at about midnight, set up air sampling pumps.

9.00p In p.p.e. went into enclosure, fine cleaning coming along well, minimum debris observed on floor, all critical barriers holding, showered out. Manometer reading okay, printout also indicates that required negative pressure held be maintained since end of last shift.

10.00p I.H. informed enclosure ready for final visual inspection in p.p.e. went into enclosure. Containment found to be properly cleaned except at a couple of junction boxes, once these are cleaned, crew to wipe down walls + floor, (2nd layer taken down earlier.) showered out.

11.00p Encapsulation completed, remaining equipment, decontaminated

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): B112, Switch gear room, abatement of asbestos containing fireproofing off I-Beams + substrate.

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, tyvek suits, gloves

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: TBNJ

Reviewed By:

DAILY REPORT, Contd.

Project: Switch Gear Room Job No. 02-258 Date: 12/13/02 Page 2 of ____

Work in Progress / Summary of Activities:

& brought out of containment.

12:30a Storage area constructed, bags put in, all necessary signs posted

2:00a End of shift, left site

Employee: Yan Wijie

EXHIBIT B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: N E OB
LOCATION: Switch Gear Rm (B112)
REMOVAL CONTRACTOR: T B N
MONITORING CONTRACTOR: Sa2UT

PROJECT: Transformer + Switch Gear Upgrade
DATE: 12/13/08
TIME INSPECTED: 8.39p
TIME WORK BEGAN: 7.57p

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	NA	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

	REMOVAL AREA		
	d. HEPA VACUUM 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 DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: Vijan N'fie DATE: 10/13/00

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

BUILDING: NEOB
LOCATION: Switch Gear Room
REMOVAL CONTRACTOR: TBN
MONITORING CONTRACTOR: SaLUT

PROJECT: Transformer Upgrade
DATE: 12/12/02
TIME INSPECTED: 10:20p
TIME COMPLETED: 10:45p

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 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 check list 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 Equipment	✓	
(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	_____	_____	_____	_____	_____
Location	_____	_____	_____	_____	_____
Volume (Liters)	_____	_____	_____	_____	_____
Flow Rate (Liters/Minute)	_____	_____	_____	_____	_____
Fibers/Filter	_____	_____	_____	_____	_____
Fibers/Cubic Cm	_____	_____	_____	_____	_____

ANALYSTS ANALYZING SAMPLING_____ DATE_____

FIELD NOTES: (Describe any problems encountered here. The above questions are to be answered "YES" or "Problem Encountered"

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REPORT PREPARED BY: Yuan Yi Jie DATE: 12/13/02

REPORT REVIEWED BY: _____ DATE: _____

IH ABATEMENT DAILY REPORT

Job No: 02-858 Date 10/14/00 Employee: Ilyan Nijie

Project: Switch Gear Rm B112 NEOB On-Site From: 10.00a To:

Work in Progress / Summary of Activities:

10.00a Sign site, signed in, then waited for escort to workarea

10.00a Escorted down to workarea

12.00p Pumps up & running to aquire ~~background~~ final air clear samples.

2.00p Stopped pumps, retrieved cassettes, then left site for AMA lab.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Switch Gear Rm, NEOB. Abatement of asbestos containing fireproofing material of I-Beams + Substrate.

Containment: Full enclosure

Decon: 3 stages

PPE: Type C respirators, tyvek suits, gloves.

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: TBN

Reviewed By:_____

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

BUILDING: NEOB
LOCATION: Switch Gear Room
REMOVAL CONTRACTOR: TBN
MONITORING CONTRACTOR: Sad UT

PROJECT: Transformer Upgrade
DATE: 12/14/03
TIME INSPECTED: —
TIME COMPLETED: —

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 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 check list 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 Equipment	✓	
(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	_____	_____	_____	_____	_____
Location:	_____	_____	_____	_____	_____
Volume (Liters)	_____	_____	_____	_____	_____
Flow Rate: (Liters/Minute)	_____	_____	_____	_____	_____
Fibers/Filter	_____	_____	_____	_____	_____
Fibers/Cubic Cm	_____	_____	_____	_____	_____

ANALYSTS ANALYZING SAMPLING_____ DATE_____

FIELD NOTES: (*Describe any problems encountered here. The above questions are to be answered "YES" or "Problem Encountered".)

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REPORT PREPARED BY: Tran Wise DATE: 12/14/02

REPORT REVIEWED BY: _____ DATE: _____

IH ABATEMENT DAILY REPORT

Job No: 08-258 Date: 10/18 Employee: Tijan N'Jie

Project: Transformer & Switch Gear Upgrade B-112, Vault 3. On-Site From: 3:30p To:

Work in Progress / Summary of Activities:

3:30p On site, signed in, was then escorted to basement workarea, proceeded to set-up air sampling pumps to aquire background air samples.

7:20p Stopped pumps, retrieved cassettes, T B N's abatement on site, to continue complete setting up containment.

9:30p I.H. informed that containment was ready for pre-abatement inspection, together with T. B. N. project manager Chris, conducted walk through, after few minor repairs, cleared for abatement to proceed. Manometer reading okay, print out indicates that required negative pressure have been maintained for last 15 minutes, Set up pumps.

11:00p In p.p.e. went into enclosure, VAT comming up relatively easy, being bagged up, then bags put into plastic lined steel drums. All critical barriers observed to be holding, microtrap filter dirty, will be changed out before end of shift.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): B-112, abatement of app 778 ft² of Vat + associated mastics

Containment: Full enclosure

Decon: 3 stages

PPE: ½ face hepa, tyvek suits, gloves + goggles.

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: T. B. N.

Reviewed By:_____

DAILY REPORT, Contd.

Project: Transformer + Switch Gear upgrade Job No. 02/256 Date: 12/18/02 Page 2 of ____

Work in Progress / Summary of Activities:

1:00a Crew doing end of shift clean-up, manometer reading stay at -0.029, printout also indicates that required negative pressure had been maintained through out evening.

1:50a Stopped pumps, retrieved + analyzed samples, then recorded data.

2:00a End of shift, left site.

Employee: Than Wijie

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

BUILDING: NEOB
LOCATION: B112
REMOVAL CONTRACTOR: T B N
MONITORING CONTRACTOR: Sadlin

PROJECT: Transformer + Switch Gear upgrade
DATE: 12/18/02
TIME INSPECTED: 8:30p
TIME WORK BEGAN: 6:30p

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 VACUUM IN USE	✓	
	b. MATERIAL KEPT WET UNTIL BAGGED	✓	
4. WORKER PROTECTION	a. DISPOSABLE CLOTHING USED ONCE	✓	
	b. PROPER NIOSH RESPIRATORS	DISPOSAL HEPA 1/2 face PAPER TYPE "C"	
	c. PROPER DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: Tijan Ni'jie DATE: 12/18/03

IH ABATEMENT DAILY REPORT

Job No: 03-258 Date 12/19/05 Employee: Ryan N'Jie

Project: Transformer + Switch Gear Upgrade B112, Vault 3, NEOB

On-Site From: 6.30p To:

Work in Progress / Summary of Activities:

6.30p On site, signed in, was then escorted to basement B1 workarea, all critical barriers observed to be holding, manometer reading okay, print out also indicates that required negative pressure had been maintained from end of last shift to now. Crew to get into p.p.e. to proceed into containment to finish vat removal in southern section of enclosure, then complete remaining 2/3 of mastic on floor, set up pumps.

8.30p In p.p.e. went into enclosure, all of VAT taken up + being bagged up, on completion, will bring out all barrells, then continue on with mastic removal. All critical barriers observed to be holding, showered out. Manometer reading okay, print out also indicates that required negative pressure being maintained.

10.00p I.H. informed that crew will be ready for final visual inspection soon, in p.p.e. I.H proceeds into enclosure. Together with foreman + 1 worker, detailed visual inspection from rear of enclosure, + worked our way to decon, on completion of clean up, crew to proceed with very light + controlled encapsulation application.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): B-112, abatement of app 448 ft² of VAT + associated mastic

Containment: Full enclosure

Decon: 3 stages

PPE: ½ face hepa, tyvek suits, gloves + goggles

Removal Methods: Dry removed

No. of Bags Removed

Abatement Contractor: T - B - N.

Reviewed By:

EXHIBIT B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB
LOCATION: B110, Vault 3
REMOVAL CONTRACTOR: TBN
MONITORING CONTRACTOR: SaLUT

PROJECT: Transformer + Switch Gear Upgrade
DATE: 12/19/08
TIME INSPECTED: 9.00 p
TIME WORK BEGAN: 6.59 p

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	NA	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

	REMOVAL AREA		
	d. HEPA VACUUM IN USE	✓	
	e. MATERIAL KEPT WET UNTIL BAGGED	✓	
4. WORKER PROTECTION	a. DISPOSABLE CLOTHING USED ONCE	✓	
	b. PROPER NIOSH RESPIRATORS	DISPOSAL HEPA ½ face PAPER TYPE "C"	
	c. PROPER DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: Ilyan Nizi DATE: 12/19/02

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date 12/12 Employee: Ryan S Wylie

Project: Transformer & Switch Gear Upgrade On-Site From: 6:30p To:

Work in Progress / Summary of Activities:

6:30p On site, signed in, went through security, met with C.S.A. rep Ms Bonos, I.H. informed that projected removal in vault 1, had been postponed, due to the fact that, smoke detectors + sprinkler systems had not been deactivated. Proceeded down to vault 1 to aquire background air samples.

7:00p TBN's crew on site, C.S.A.'s rep Ms Bonos informs Mr Druid of TBN of situation, it was agreed by all parties involved, that setting up to do VAT+mastic would be best course of action. Crew to bag-out, then to begin set up in vault 2/3 area.

9:30p Prep work still in progress, super hopes to a least get started on VAT removal, before end of shift, given time factor.

11:00p No lunch break.

12:00a ~~[illegible]~~ crew through lunch to work, crew to continue prep work, hoping to be ready for pre-abatement inspection, in a couple of hours.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Abatement of app 350 ft² of VAT + associated mastic.

Containment: Full enclosure

Decon: 3 stages

PPE: 1/2 face hepa, tyvek suits, gloves + goggles

Removal Methods:

No. of Bags Removed 74 bags

Abatement Contractor: TBN

Reviewed By:_____

DAILY REPORT, Contd.

Project: Trans. + Switch Gear upgrade Job No. 03-258 Date: 12/06 Page 2 of ____

Work in Progress / Summary of Activities:

1:30 p Prep work almost completed, but openings to conduit & other penetrations, to be critical'd off.

2:00 p Given that crew had skipped lunch, super to let workers go home.

Employee: Ryan Noiffie

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date 12/27 Employee: Tyan & Vie

Project: Transformer + Switch Gear upgrade B-112, NEOB. On-Site From: 6.30p To:

Work in Progress / Summary of Activities:

6.30p On site, signed in, was then escorted down to basement workarea, abatement crew off loading supplies at loading dock. Containment yet to be completed, mircotraps, shower + some critical barriers to be put in or repaired.

8.30p Enclosure completed, but mircotraps keeping tripping circuits, someone to come in from electric shop, to help with problem.

9.00p All electric supply stable, manometer at 0.026 for about 15 minutes, obtained for abatement to proceed, set up pumps.

10.30p All rest taken up + in barrels, mastic removal in progress, all critical barrier observed to be holding, manometer reading okay at -0.027. Super believes that all phases of abatement will be done by 11.30p.

11.20p I.H. informed that containment ready for final visual inspection, in p.p.e. went into enclosure, floor found to be very clean + free of visual debris, except under some

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): App 350 ft² of VAT + associated mastic of floor of B112 (vault 2)

Containment: Full enclosure

Decon: 3 stages

PPE: ½ face, hepa, tyvek suits, gloves + goggles

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: TBN

Reviewed By:

DAILY REPORT, Contd.

Project: Transformer + Switch Gear Upgrade Job No. 08-258 Date: 12/27/07 Page 2 of ____

Work in Progress / Summary of Activities:

removed components, mastic to be abated as far as hand could reach, when done showed for enclosure to be encapsulated

12:00 p Started pumps to acquire final air clearance samples.

1:30 p Stopped pumps, retrieved + analyzed cassettes, then recorded data.

2:00 a End of shift, left site.

Employee: Tran N. Tré

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

BUILDING: NEOB
LOCATION: B11a, Vault 2
REMOVAL CONTRACTOR: TBN
MONITORING CONTRACTOR: SaLUT

PROJECT: Transformer + Switch Gear Upgrade
DATE: 12/1/02
TIME INSPECTED: 8.20 a
TIME WORK BEGAN: 8.42 p

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 VACUUM IN USE	✓	
	b. MATERIAL KEPT WET UNTIL BAGGED	✓	
4. WORKER PROTECTION	a. DISPOSABLE CLOTHING USED ONCE	✓	
	b. PROPER NIOSH RESPIRATORS	DISPOSAL ____ HEPA ½ face PAPER ✓ TYPE "C" ____	
	c. PROPER DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: Tuan Nguyen DATE: 12/27/98

EXHIBIT B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB
LOCATION: Salt UT
REMOVAL CONTRACTOR: TBN
MONITORING CONTRACTOR: Salt UT

PROJECT: Transformer + Switch Gear Upgrade
DATE: 10/27/02
TIME INSPECTED: 8:30p
TIME WORK BEGAN: 8:52p

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	NA	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

	REMOVAL AREA		
	d. HEPA VACUUM IN USE	✓	
	e. MATERIAL KEPT WET UNTIL BAGGED	✓	
4. WORKER PROTECTION	a. DISPOSABLE CLOTHING USED ONCE	✓	
	b. PROPER NIOSH RESPIRATORS	DISPOSAL HEPA ½ face PAPER ✓ TYPE "C"	
	c. PROPER DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: Ivan D. Fie DATE: 12/27/02

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date 1/2/03 Employee: Tijan & Ni'Jie

Project: Transformer + Switch Gear Upgrade On-Site From: 6:30p To:

Work in Progress / Summary of Activities:

6:30p On site, signed in, then was escorted to basement warehouse, met with T.B.N.'s abatement supervisor Mr Druid, crew to complete containment at B226/Y (Vault1), he hopes to be ready for pre-abatement inspection in a couple of hours.

9:30p Containment completed, pre-abatement inspection pending electric supply in room, not enought to sustain all equipment necessary. C.S.A. electrician to get okay from his superiors to hook-up contractor electric panel, waiting for response.

10:20p Electric panel hooked-up, with enough power, all necessary equipment up + running, manometer reading okay, + been maintained at -0.026 for app. 10 minutes, okay given to clean main electric cable tray, then critical it off, pumps up + running. Relay switch (transformer) for computer room radiating a lot of heat, C.S.A. electrician okayed, putting a pre-filter over ventilation opening, but to remove it at end of shift, he assures T.H. that no heat build up will result.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): B226/Y (Vault1), abatement of app 800ft² sprayed on fireproofing.

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, tyvek suits, gloves.

Removal Methods: Dry removal.

No. of Bags Removed

Abatement Contractor: T.B.N.

Reviewed By:_____

DAILY REPORT, Contd.

Project: Transformer Switch Crane upgrade Job No. 02-258 Date: 1/2/03 Page 2 of ____

Work in Progress / Summary of Activities:

11:30p Super cuts down number of workers inside containment. Type C machine can only support 4 workers at a time, new mint to be brought in for tomorrows shift. An additional minutrap being put in, as the slightest movements of flaps on decon, will trigger alarm on manometer.

12:30a Manometer reading at -0.015, crew to suspend all further removal, check all critical barriers, to effect repairs where necessary, couple of workers to also start bag-up gross debris on floor.

2.00a Stopped pumps, retrieved & analysed cassettes, then recorded data.

Employee: Vlan D'Jie

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

BUILDING: NEOB
LOCATION:
REMOVAL CONTRACTOR: TBN
MONITORING CONTRACTOR: SaLUT

PROJECT: Transformer + Switch Gear Upgrade
DATE: 1/8/03
TIME INSPECTED: 10.10p
TIME WORK BEGAN: 10.30p.

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 VACUUM IN USE	✓	
	b. MATERIAL KEPT WET UNTIL BAGGED	NA	
4. WORKER PROTECTION	a. DISPOSABLE CLOTHING USED ONCE	✓	
	b. PROPER NIOSH RESPIRATORS	DISPOSAL HEPA PAPER TYPE "C" ✓	
	c. PROPER DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: Tijan Nijie DATE: 1/2/03

EXHIBIT B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB
LOCATION: Vault 1
REMOVAL CONTRACTOR: TBN
MONITORING CONTRACTOR: SaLUT

PROJECT: Transformer + Switch Gear Upgrade
DATE: 11/8/03
TIME INSPECTED: 10:10p
TIME WORK BEGAN: 10:00p

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	NA	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

	REMOVAL AREA		
	d. HEPA VACUUM IN USE	✓	
	e. MATERIAL KEPT WET UNTIL BAGGED	NA	
4. WORKER PROTECTION	a. DISPOSABLE CLOTHING USED ONCE	✓	
	b. PROPER NIOSH RESPIRATORS	DISPOSAL HEPA PAPER TYPE "C" ✓	
	c. PROPER DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: Tuan Nijie DATE: 1/2/03

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date 1/3/03 Employee: Tijan no. file

Project: Transformer & Switch Gear Upgrade NEOB On-Site From: 6:30p To:

Work in Progress / Summary of Activities:

6:30p On site, signed in, went through security, was then escorted to basement workarea. Abatement to continue in 1st section of electric vault 1, TBN's supervisor Chris hopes to be done with all gross removal by midnight, then will continue with fine cleaning; set up pumps.

9:00p In p.p.e. went into containment, crew doing a much better job of bagging up a.c.m. debris as its generated. All critical barriers observed to be holding, filters on microtraps okay, but will have to be changed out at end of shift. Showered out, manometer reading okay, print out also indicates, that required negative pressure had been maintained.

11:00p Manometer reading okay, from outside critical barrier holding, all gross removal completed & debris being bagged up, crew to begin fine cleaning, when most of gross is bagged.

12:10a Disposal bags getting in way of workers, crew to set up to bag out, couple of workers to decontaminate, to handle

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Electric Vault 1, removal of asbestos containing fireproofing off I. Beams & substrate.

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, tyvek suits, gloves

Removal Methods: Dry removal

No. of Bags Removed 37 bags

Abatement Contractor: TBN

Reviewed By: _____

DAILY REPORT, Contd.

Project: Transformer & Switch gear upgrade Job No. 02-258 Date: 1/3/03 Page 2 of ____

Work in Progress / Summary of Activities:

bags on outside.

1:10a bag out completed, given time left, crew to begin end of shift clean-up.

2:00a End of shift, left site.

Employee: Ilyan Nifie

EXHIBIT B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB
LOCATION: Vault 1, section 1
REMOVAL CONTRACTOR: TBD
MONITORING CONTRACTOR: Sal UT

PROJECT: Transformer + Switch Gear Upgrade
DATE: 1/3/03
TIME INSPECTED: 7:30p
TIME WORK BEGAN: 7:30p

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	NA	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

	REMOVAL AREA		
	d. HEPA VACUUM 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 DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: Ilan Wife DATE: 1/3/03

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date 1/4/03 Employee: Ryan Nigh

Project: Transformer & Switch Gear Upgrade NEOB On-Site From: 6:30a To:

Work in Progress / Summary of Activities:

6:30a On site, signed in, went through security, then was escorted to basement warehouse. Manometer reading at -0.027, and printout indicates, that required negative pressure had been maintained overnight, crew getting into p.p.e. to go into containment, set up pumps.

8:00a In p.p.e. went into enclosure, fine cleaning commencing along, again problems areas the same as last enclosure (Vault 2), junction boxes & points were where hangers are attached to I-Beam, not properly cleaned. Foreman to concentrate all efforts on these areas & hope to be ready for final visual inspections soon.

9:50a Final visual inspections completed, punch out work well done, crew to decontaminate all unnecessary equipment & bring them out, then to proceed with dry light spray of encapsulant, stopped pumps, showered out.

11:00a Crew done with encapsulation application, will allow to dry before running finals

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Vault 1, section 1; abatement of asbestos containing fireproofing off I-Beams & Substrate

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, tyvek suits, gloves

Removal Methods: Dry removal

No. of Bags Removed 6 bags

Abatement Contractor: T B N

Reviewed By: _____

DAILY REPORT, Contd.

Project: Transformer + Switch Gear upgrade Job No. 02-258 Date: 1/4/03 Page 2 of ____

Work in Progress / Summary of Activities:

1:00 p All bags moved to holding area, crew to tidy up + call it a day.

2:00 p End of shift, left site, fluids to be acquired tomorrow

Employee: Ryan Di Zie

EXHIBIT B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: N EOB
LOCATION: Vault 1, section 1
REMOVAL CONTRACTOR: TBN
MONITORING CONTRACTOR: Sahyt

PROJECT: Transformer + Switch Gear Upgrade
DATE: 1/4/03
TIME INSPECTED: 7:40a
TIME WORK BEGAN: 6:49a

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	NA	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	✓	

	REMOVAL AREA		
	d. HEPA VACUUM 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 DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: Yan Ni Jié DATE: 1/4/03

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

BUILDING: NEOB
LOCATION: Vault 1, Section 1
REMOVAL CONTRACTOR: TBN
MONITORING CONTRACTOR: Sad UT

PROJECT: Transformer + Switch Gear Upgrade
DATE: 1/4/03
TIME INSPECTED: 9.30a
TIME COMPLETED: 9.50a

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 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 check list 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 Equipment	✓	
(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					
Location					
Volume (Liters)					
Flow Rate (Liters/Minute)					
Fibers/Filter					
Fibers/Cubic Cm					

ANALYSTS ANALYZING SAMPLING_____ DATE_____

FIELD NOTES: (Describe any problems encountered here. The above questions are to be answered "YES" or "Problem Encountered"

_____

_____

_____

_____

_____

_____

REPORT PREPARED BY: Allan Wylie DATE: 1/4/03

REPORT REVIEWED BY: _____ DATE: _____

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date 1/12/02 Employee: Tyson N'Jie

Project: Transformer + Switch Gear Upgrade On-Site From: 6:30p To:

Work in Progress / Summary of Activities:

6:30p On site, signed in, was then escorted to basement workarea, met with TBN supervisor Mr Druid, crew got a few more things to do, I will be informing I.H. when ready for pre-abatement inspection.

7:15p In p.p.e. went into ~~wo~~ containment, only 1 layer of poly on wall, crew to add 2nd layer, dirty room non-existant, workers to fashion 1 somehow, shower + manometer also to be brought on line.

10:20p Again in enclosure, dirty room barely 3'x1', but given configuration of containment, this is only available space for it. Crew given okay to begin pre-cleaning various electric components, then critical thing them off. When this exercise is completed, to proceed with gross removal.

12:00 Manometer reading okay at -0.29, printout also indicates that required negative pressure, was being maintained. In p.p.e. went into enclosure, gross removal in progress, debris being bagged up as generated, foreman Hector doing

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Vault 1, southern 2/3's, abatement of approx ft² of asbestos containing fireproofing off I-Beams + substrate

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, Tyvek suits, gloves

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: TBN

Reviewed By:_____

DAILY REPORT, Contd.

Project: Vault 1 Job No. 02-258 Date: 1/13/03 Page 2 of ____

Work in Progress / Summary of Activities:

a much better job of managing enclosure, all critical barriers observed to be holding, showered out.

1:00a Further abatement suspended, crew to begin end of shift clean-up, outside person reminded to pump out all contaminated water, through filters, then discharged before leaving site, pre & secondary filters on microhaps to be changed out also.

2:30a End of shift, left site.

Employee: Tijan Njie

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

BUILDING: NEOB
LOCATION: Vault 1, Southern 2/3's
REMOVAL CONTRACTOR: T B N
MONITORING CONTRACTOR: SaLUT

PROJECT: Transformer + Switch Gear Upgrade
DATE: 1/13/03
TIME INSPECTED: 9.57 p
TIME WORK BEGAN: 10.00 p

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 VACUUM IN USE	✓	
	b. MATERIAL KEPT WET UNTIL BAGGED	NA	Waived
4. WORKER PROTECTION	a. DISPOSABLE CLOTHING USED ONCE	✓	
	b. PROPER NIOSH RESPIRATORS	DISPOSAL HEPA PAPER TYPE "C" ✓	
	c. PROPER DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

No space available to expand too small dirty room.

REPORT PREPARED BY: Tyan Wijie DATE: 1/13/03

EXHIBIT B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

BUILDING: NEOB
LOCATION: Vault 1, Southern 2/3's
REMOVAL CONTRACTOR: J B N
MONITORING CONTRACTOR: SedLUT

PROJECT: Transformer + Switch Gear Upgrad
DATE: 1/13/03
TIME INSPECTED: 12:00 a
TIME WORK BEGAN: 10:00 p

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	NA	
	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, SAW, ETC NOT IN USE	✓	
	b. REMOVED MATERIAL PROMPTLY BAGGED	✓	
	c. DEBRIS STORED IN	enclosure	

	REMOVAL AREA		
	d. HEPA VACUUM 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 DECONTAMINTATION SEQUENCE FOLLOWED	✓	
5. SHOWERS	a. FUNCTIONING	✓	
	b. SOAP & 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."

REPORT PREPARED BY: Ilyan N'Jie DATE: 11/13/03

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date 1/15/03 Employee: Tyan Nijio

Project: Transformer + Switch Gear Update On-Site From: 7:00p To: 2:30a

Work in Progress / Summary of Activities:

7:00p On site, signed in, went through security, then was escorted to Vault 1 workarea. Half of crew to get into p.p.e., while rest set up to bag out, set up pumps.

8:15p Bag-out completed, rest of crew proceed into containment, manometer reading okay at -0.03, ~~[illegible]~~ print-out also indicates that required negative pressure had been maintained overnight + through day.

10:00p In p.p.e. I.H went into containment, removing gross removal toward southern section of enclosure, little bit too much a.c.m. on floor, foreman to assign a couple of workers to begin bag up. All critical barriers observed to be holding.

10:30p Spoke to TBN abatement supervisor, about amounts of a.c.m. always being allow to accumulate on floor, given environment in which abatement is being done, it make sense, to minimize amounts of a.c.m. to be dealth with in case of an emergency.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Vault 1; abatement of asbestos containing fireproofing of I-Beams + substrate.

Containment: Full enclosure

Decon: 3 stages

PPE: Type C, tyvek suits, gloves.

Removal Methods: Dry removal

No. of Bags Removed 12 bags.

Abatement Contractor: TBN

Reviewed By:_____

DAILY REPORT, Contd.

roject: Transf Switch Gear upgrade, Job No. 02-258 Date: 1/15/03 Page 2 of ____

/ork in Progress / Summary of Activities:

2:00a Manometer reading okay, print out also indicates required negative pressure maintained through shift, critical barriers holding.

2:25a Stopped pumps, retrieved & analysed samples, when needed data.

2:30a End of shift, left site.

Employee: Tyan Wijio

IH ABATEMENT DAILY REPORT

Job No: 02-258 Date 1/16/03 Employee: Tijan Ni Jie

Project: NEOB On-Site From: 6:30p To: 3:30a

Transformer & Switch Gear Upgrade.

Work in Progress / Summary of Activities:

6:30p On site, signed in, went through security, then was escorted to basement workarea. TBN crew proceeds to get into p.p.e. to go into containment, foreman believes he will be done with fine cleaning before midnight, set up pumps.

8:45p In p.p.e. went into enclosure, crew much further along than anticipated, pointed out to crew various areas, where more cleaning was required. All critical barriers observed to be holding, area of concern still remains to be bust plate cradles, bessig perforated, one could still clearly see a.c.m ~~in~~ ~~than~~ within, showered out.

12:30a I.H. informed that crew was ready for final visual inspection, in p.p.e. went into enclosure. I.H. points out to foreman, areas that needed to cleaned, also along wall, where ~~a~~ I-Beams were too close to properly clean, to be sealed with expanding foam. Fine cleaning to I.H's satisfaction, showed for encapsulant to be applied.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Vault 1, abatement of asbestos containing fireproofing off I-Beams + Substrate

Containment: Full enclosure

Decon: 3 stages (dough)

PPE: Type C, tyvek suits, gloves.

Removal Methods: Dry removal

No. of Bags Removed

Abatement Contractor: T. B. N.

Reviewed By:

DAILY REPORT, Contd.

Project: Transformer + Switch Gear Update. Job No. 02-258 Date: 1/16/03 Page 2 of ____

Work in Progress / Summary of Activities:

1:40a Encapsulation completed, ~~cable~~ cavities analysed + data recorded.

2:30a End of shift, left site.

Employee: Yan Nijie

PCM ANALYSIS

SaLUT

Soil and Land Use Technology, Inc.

11609 Edmonston Road • Beltsville, MD 20705
Tel: (301) 595-3783
Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Type of Sample : PCM TEM LEAD

Project: B112, Vault 3, NEOB

Client: G.S.A.

Job No.: 02-258

Date: 12/18/02 Time on-site: 3:30p to

Name: Tijan N'jie

Analyzed On-site: NO / Yes Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
1218-258-1	BG	4.30p	10	7.06p	10	156	1560			See attached
1218-258-2	BG	4.30p	10	7.06p	10	156	1560			
1218-258-3	EV	8.50p	5		5			Two		floor plan for
1218-258-4	EV	8.51p	5		5			Two		
1218-258-5	WA	8.53p	3		3			Two		app. location
1218-258-6	EV	8.56p	5		5			Two		
1218-258-7	Fb	—	—	—	—	—	—	Two	—	of sampling pumps
1218-258-8	Fb	—	—	—	—	—	—	Two	—	

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 Counts 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

SaLUT

Soil and Land Use Technology, Inc.

11609 Edmonston Road • Beltsville, MD 20705

Tel: (301) 595-3783
Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Type of Sample : PCM TEM LEAD

Project: B112, Vault 3, NZOB

Job No.: 02-258

Name: Tijan Ni'jie

Client: G.S.A.

Date: 12/18/02 Time on-site: 3:30p to

Analyzed On-site: NO / Yes Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
[redacted]258-1	BG	4.30p	10	7.06p	10	156	1560			See attached
[redacted]-258-2	BG	4.30p	10	7.06p	10	156	1560			
[redacted]18-258-3	EV	8.50p	5	1.20a	5	270	1350	9½/100	<0.01	floor plan for
[redacted]-258-4	EV	8.51p	5	1.22a	5	271	1355	6/100	<0.01	
[redacted]-258-5	WA	8.53p	3	1.25a	3	273	819	9½/100	<0.01	app. location
[redacted]-258-6	EV	8.56p	5	1.20a	5	264	1260	4½/100	<0.01	
1218-258-7	FB							½/100		of sampling pumps
1218-258-8	FB							½/100		

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 Blank

SaLUT

Soil and Land Use Technology, Inc.

11609 Edmonston Road • Beltsville, MD 20705
Tel: (301) 595-3783
Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Type of Sample : PCM TEM LEAD

Project: Transformer & Switch Gear Upgrade

Client: G.S.A.

Job No.: 02-258

Date: 12/19/02 Time on-site: 6:30p to

Name: Tyan N'Jie

Analyzed On-site: Yes/No Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
1219-258-1	EV	6.40p	5	10:30p	5	248	1240	6/100	<0.01	See attached
1219-258-2	EV	6.43p	5	10:51p	5	248	1240	2½/100	<0.01	
1219-258-3	EV	6.47p	5	10:51p	5	244	1220	4/100	<0.01	floor plan for
1219-258-4	WA	6:48p	2	10:45p	2	237	474	6½/100	<0.01	
1219-258-5	Fb	—						½/100	—	app location
1219-258-6	Fb	—						1/100	—	
1219-258-7	FC	11:30p	10	1:30a	10	120	1200	3/100	<0.01	of sampling pumps
1219-258-8	FC	11:30p	10	1:30a	10	120	1200	1½/100	<0.01	

QA Reference Slide No.:		Fiber Count (F/mm²)		Reference Count 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

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Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Type of Sample : PCM TEM LEAD

Project: Transformer + Switch Gear Upgrade

Job No.: 02-258

Name: Tyan N'Jie

Client: C.S.A

Date: 1/4/03 Time on-site: 6:30a to 3:30p

Analyzed On-site: Yes/NO Laboratory: AMA

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
0104-258-1	EV	7:03a	5	9:58a	5	175	875	4½/10	<0.01	See attached
0104-258-2	EV	7:03a	5	9:55a	5	172	860	3/10	<0.01	
0104-258-3	EV	7:05a	5	9:54a	5	169	845	1/10	<0.01	flow plan for
0104-258-4	WA	6:53a	3	9:50a	3	177	531	16½/10	0.015	
0104-258-5	FB	—	—	—	—	—	—	½/10	—	app location of
0104-258-6	FB	—	—	—	—	—	—	1½/10	—	
0104-258-7	FC									Sampling pump:
0104-258-8	FC									

QA Reference Slide No.:			Fiber Count (F/mm²)			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)		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

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AIR SAMPLE DATA SHEET

Type of Sample : PCM (TEM) LEAD

Project: Transformer Upgrade, Switch Gear Rm

Job No.: 02-258

Name: Ryan Wolfie

Client: G.S.A

Date: 12/14/02 Time on-site: _____ to _____

Analyzed On-site: NO Laboratory: AMA

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
1214-258-1	FC	12.20p	10	2.20p	10	120	1200			See attached floorplan
1214-258-2	FC	12.20p	10	2.20p	10	120	1200			for location of pumps.

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 Blank

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AIR SAMPLE DATA SHEET

Type of Sample : PCM (TEM) LEAD

Project: Transformer Switch Gear Upgrade

Client: G.S.A.

Job No.: 02-258

Date: 12/20/02 Time on-site: 3.30p to 5.40p

Name: Tijan N'jie

Analyzed On-site: NO Laboratory: AMA

B112, Vault 3

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
1220-258-1	FC	3.30p	10	5.34p	10	124	1240			Southern end of containment
1220-258-2	FC	3.30p	10	5.34p	10	124	1240			Northern " " "

QA Reference Slide No.:			Fiber Count (F/mm²)		Reference 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 Recount 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

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Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Type of Sample : PCM (TEM) LEAD

Project: Transformer & Switch Gear upgrade

Job No.: 02-258

Name: Ijan S N'jie

NEOB

Client: G.S.A.

Date: 12/26/02 Time on-site: 6 30p to

Analyzed On-site: NO Laboratory: AMA.

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
1226-258-1	BG	6.30p	to	8.30p	to	120	1200			Vault 1 See attached
1226-258-2	BG	6.30p	to	8.30p	to	120	1200			" " floor plan.

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 Blank

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Tel: (301) 595-3783
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~~PCM~~ TEM AIR SAMPLE DATA SHEET

Project: NEOB Transformer Vaults

Job No.: 02-258

Name: Alison Duff

Client: GSA

Date: 12-6-02 Time on-site: 11:00am to 1:45pm

Analyzed On-site: no Laboratory: AMA

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
12-6-02-258-01	BG	10.0	11:30	10.0	1:30	120	1200			in cont. to the right of the entrance
12-6-02-258-02	BG	10.0	11:30	10.0	1:30	120	1200			outside entrance of containment

QA Reference Slide No.:		Fiber Count (F/mm²)		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)	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

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Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Type of Sample : PCM TEM LEAD

Project: Rm B-112, NEOB Basement.

Job No.: 08-2

Name: Tijan N'jie

Client: G.S.A.

Date: 12/12/02 Time on-site: 7.00p to

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
1212-2 -1	EV	7.58p	5	1.08a	5	310	1550	3½/100	<0.01	See attached
1212-2 2	EV	8.00p	5	1.09a	5	309	1540	13½/100	<0.01	
1212-2 3	EV	8.10p	5	1.11a	5	301	1505	2/100	<0.01	drawing for app
1212-2 4	WA	8.15p	2	1.16a	2	301	602	14½/100	~~0.01~~ 0.12	
1212-2 5	Fb	—						½/100	—	location of sampling
1212-2 6	Fb	—						0/100	—	
										pumps.

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

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AIR SAMPLE DATA SHEET

Type of Sample : PCM TEM LEAD

Project: Switch Gear Room, B112 NEOB

Client: G.S.A.

Job No.: 02-258

Date: 12/13/02 Time on-site: 7.00p to

Name: Tijan N'Jie

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
1213-258-1	EV	8.10p	5	10.20p	5	140	700	4½/TW	<0.01	See attached
1213-258-2	EV	8.05p	5	10.20p	5	135	675	9½/TW	<0.01	
1213-258-3	EV	8.01p	5	10.21p	5	134	670	3½/TW	<0.01	floor plan for
1213-258-4	WA	8.10p	2	10.15p	2	125	250	23½/TW	0.046	
1213-258-5	FB							0/TW		
1213-258-6	FB							½/TW		App. location of
1213-258-7	Cancelled.							TW		
1213-258-8								TW		Sampling pumps.

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 Blank

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Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Type of Sample : PCM TEM LEAD

Project: Transformer + Switch Gear upgrade

Client: G.S.A.

Job No.: 02-258

Date: 12/27/02 Time on-site: 6:30p to

Name: Tijan N'Jie

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
1227-258-1	EV	8.45p	5	11.15p	5	150	750	4½/Two	<0.01	See attached floor
1227-258-2	EV	8.45p	5	11.15p	5	150	750	2/Two	<0.01	for app. location of
1227-258-3	WA	8.49p	2	11.12p	2	143	286	4½/Two	<0.01	sampling pumps.
1227-258-4	FB	—						½/Two	—	
1227-258-5	FB	—						0/Two	—	
1227-258-6	FC	12.00a	10	1.30p	10	90	900	2½/Two	<0.01	
1227-258-7	FC	12.00a	10	1.30p	10	90	900	1½/Two	<0.01	

QA Reference Slide No.:			Fiber Count (F/mm²)		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)	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

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Soil and Land Use Technology, Inc.
11609 Edmonston Road • Beltsville, MD 20705
Tel: (301) 595-3783
Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Type of Sample : PCM TEM LEAD

Project: Transformer + Switch Gear Upgrade
Job No.: 02-258
Name: Ilyan & Nifiz

Client: G.S.A.
Date: 11/2/03 Time on-site: 6:30p to
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
0102-258-1	EV	10.12p	5	1.44a	5	1075 Vol	215 Time (min)	120/TW	<0.01	See attached
0102-258-2	EV	10.12p	5	1.47a	5	1075 Vol	Time (min) 215	16½/TW	<0.01	
0102-258-3	WA	10.14p	2	1.50a	2	216	432	127/TW	0.14	floor plan for app.
0102-258-4	Fb							½/TW		
0102-258-5	Fb							0/TW		location of sampling
0102-258-6										
0102-258-7										pumps:
0102-258-6										

QA Reference Slide No.:		Fiber Count (F/mm²)	Reference Slide 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

SaLUT

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Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Type of Sample : PCM TEM LEAD

Project: Transformer + Switch Gear Upgrade

Client: G.S.A.

Job No.: 02-258

Date: 1/3/02 Time on-site: 6:30p to

Name: Tyan & Wife

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
0103-258-1	EV	7.32p	5	12:30a	5	288	1440	7½/100	<0.01	See attached floor plan
0103-258-2	EV	7.33p	5	12:20a	5	287	1435	1/100	<0.01	
0103-258-3	EV	7.37p	5	12:21a	5	284	1420	3½/100	<0.01	for app. location of
0103-258-4	EV	7.38p	3	12:22a	3	284	852	47/100	0.027	
0103-258-5	WA	7.40p	2	12:25a	2	285	570	93/100	0.080	Sampling pumps.
0103-258-6	Fb							Two		
0103-258-7	Fb							Two		

QA Reference Slide No.:		Fiber Count (F/mm²)		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)		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

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Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Type of Sample : PCM TEM LEAD

Project: Transformer + Switch Gear Upgrade
Job No.: 02-858
Name: Tijan & N'Jie

Client: G.S.A.
Date: 1/13/03 Time on-site: 6:30p to
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
0113-258-1	EV	10.00p	5	1.45a	5	225	1125	7/100	<0.01	See attached
0113-258-2	EV	10.04p	5	1.45a	5	221	1105	4/100	<0.01	
0113-258-3	EV	10.16p	5	1.47a	5	211	1055	14/100	<0.01	floor plan for app.
0113-258-4	WA	10.20p	2	1.39a	2	199	398	93/100	0.11	
0113-258-5	Fb							1/100	—	location of sampling
0113-258-6	Fb							2/100	—	pumps
0113-258-7										

QA Reference Slide No.:		Fiber Count (F/mm²)		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)		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

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AIR SAMPLE DATA SHEET

Type of Sample : PCM TEM LEAD

Project: Transformer + Switch Gear Update

Client: C.S.A.

Job No.: 02-258

Date: 1/15/03 Time on-site: 7.00p to 2.30a

Name: Tijan N'jie

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
0115-258-1	EV	7.28p	5	2.11a	5	403	2015	13½/100	<0.01	See attached flor
2	EV	7.26p	5	2.09p	5	403	2015	8½/100	<0.01	
3	EV	7.29p	5	2.09p	5	400	2000	7/100	<0.01	plan for app. location
4	WA	7.36p	2	2.21p	2	395	790	67½/100	0.04	
5	Fb	—				—	—	1/100	—	of sampling pumps.
6	Fb	—				—	—	½/100	—	

QA Reference Slide No.:		Fiber Count (F/mm²)		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)		Are Phase Rings Concentric?	Scope Check w/ Phase Shift Slide?	

COMMENTS:

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AIR SAMPLE DATA SHEET

Type of Sample : PCM TEM LEAD

Project: Transformer & Switch Gear Upgrade

Client: G. S. A.

Job No.: 02 - 258

Date: 11/6/03 Time on-site: 6:30p to 2:30a

Name: Tijan N'jie

Analyzed On-site: Yes Laboratory:

Vault 1

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
0116-258-1	EV	8:09p	5	1:30a	5	321	1605	4½/100	<0.01	See attached flow
0116-258-2	EV	8:09p	5	1:30a	5	321	1605	7/100	<0.01	
3	EV	8:10p	5	1:31a	5	321	1605	8/100	<0.01	plan for app. location
4	WA	7:35p	2	12:27a	2	232	464	23½/100	0.025	
5	Fb	—						3/100	—	of sampling pumps
6	Fb	—						½/100	—	

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 Blank

TEM ANALYSIS

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	NEOB-Transformer Vaults	**Chain Of Custody:**	107582
Address:	11609 Edmonston Road	**Job Location:**	Not Provided	**Date Analyzed:**	12/09/2002
	Beltsville, Maryland 20705	**Job Number:**	02-258	**Person Submitting:**	Alison Duff
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** 0.45 um **Filter Size:** 25 mm (385 mm²)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm²)	Analytical Sensitivity s/cc	Asbestos Type Amount	# Non Asbestos Structures	Concentration s/mm²	Concentration s/cc	Sample Type	Comments
0314200	12-6-02-258-001	1200	0.0720	0.0045	0	0	< 14	< 0.0045	N/P	
0314201	12-6-02-258-002	1200	0.0720	0.0045	0	0	< 14	< 0.0045	N/P	

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

Robert Workman

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An AIHA (#8863), NVLAP (# 101143), & New York ELAP (#10920) Accredited Laboratory

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AMA Analytical Services, Inc.

AIHA (#8863) NVLAP (#1143) NY ELAP (10920)
4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 107582

MAILING ADDRESS:

1. Submittal Date: 12-6-02 Job Name/location: NEOB - Transformer Vaults
2. Client Name: SaLUT, Inc. Job #: 02-258 P.O. #:
3. Street/RFD/P.O. Box: 11609 Edmonston Rd Bill To:
4. City, State, Zip: Beltsville, MD 20705 Phone #: 301-595-3783 Fax: 301-595-3787
5. Contact Person: Joyce Walker Submitted By: Alison Dutt (Print) (Signature)
6. **DATE & TIME RESULTS REQUIRED:** 12/9/02, Time: 430 AM/PM ☐ IMMED. ☒ 24HR ☐ 48HR ☐ 72HR ☐ 5-DAY OTHER(Specify):

SAMPLE DATA:

1. Analysis Type: ☐ Asbestos ☐ Lead ☐ NOB-Whole(PLM/TEM) ☐ NOB-Whole(PLM Only) ☐ NOB-Whole(TEM Only) ☐ NOB-Res. Ash(TEM) ☐ TCLP for Pb ☐ Other(specify):
2. Total Number Of Samples: TEM 2 PCM ____ PLM ____ LEAD ____ OTHER (Specify)
3. ELECTRON MICROSCOPY SAMPLES:
   A. Filter Type: PC ☐ MCE ☐ B. Porosity: ____ Micron C. Diameter ☐ 37mm ☐ 25mm
4. LEAD SAMPLES Wipe Type: ☐ Pace ☐ Palintest ☐ Ghost ☐ Lynx Products ☐ Other (specify)
5. Release Criteria/Analytical Sensitivity: 0.010 f/cc ☐ 0.005 f/cc ☐ AHERA ☐ %ASBESTOS ☐ S/FT² ☐ OTHER ☐
6. Field Sheet Attached? ☐ YES ☐ NO If No Then Please Complete The Following:

SAMPLE ANALYSIS INFORMATION					ANALYSIS					MATRIX				CLIENT CONTACT
CLIENT ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	WIPE AREA	TEM	PCM	PLM	LEAD	OTHER	AIR	BLANK	BULK	WIPE	(LABORATORY STAFF ONLY)
12-6-02-258-001		12-6-02	1200		X					X				Date/Time: Contact: By:
12-6-02-258-002		12-6-02	1200		X					X				
														Date/Time: Contact: By:
														Date/Time: Contact: By:

REPORTING DATA:

1. Verbal Results To Whom? Name: ____ Phone: ____ Beeper: ____
2. Date Written Results Required ____ / ____ / ____

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 12/6/02 @ 1430 Via: DD By (Print): E Randall Sign:
2. Date/Time Analyzed: 12/9/02 @ 1154 By (Print): B. Workman Sign:
3. Results Reported To: Joyce Walker Via: fax Date: 12/9/02 Time: ____ Initials: RPu
4. Comments:

AMA Analytical Services, Inc.

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CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	Transformer Upgrade Project, Switch Gear Room	**Chain Of Custody:**	107721
Address:	11609 Edmonston Road	**Job Location:**	Not Provided	**Date Analyzed:**	12/16/2002
	Beltsville, Maryland 20705	**Job Number:**	02-258	**Person Submitting:**	Tijan Nfie
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** 0.45 um **Filter Size:** 25 mm (385 mm²)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm²)	Analytical Sensitivity s/cc	Asbestos Type Amount	# Non Asbestos Structures	Concentration s/mm²	Concentration s/cc	Sample Type	Comments
0315352	1214-258-1	1200	0.0720	0.0045	0	0	< 14	< 0.0045	IWA	
0315353	1214-258-2	1200	0.0720	0.0045	0	0	< 14	< 0.0045	IWA	

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

Robert Workman

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. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP Accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples.

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CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 107721

MAILING ADDRESS:

1. Submittal Date: 12/14/02
2. Client Name: SadUT
3. Street/RFD/P.O. Box: 11609 Edmonston Rd
4. City, State, Zip: Beltsville MD 20705
5. Contact Person: Joyce Walker

Job Name/location: Transformer Upgrade project, Switch Gear Room
Job # : 02-258 P.O. #:
Bill To: SadUT
Phone #: 301 595 3783 Fax: 301 595 3787
Submitted By: Tijan N'jie (Print) (Signature)

6. DATE & TIME RESULTS REQUIRED: 12 / 16 / 02 , Time: 3:00 AM/PM ☑ IMMED. ☐ 24HR ☐ 48HR ☐ 72HR ☐ 5-DAY ☐ OTHER(Specify):

SAMPLE DATA:

1. Analysis Type: ☑ Asbestos ☐ Lead ☐ NOB-Whole(PLM/TEM) ☐ NOB-Whole(PLM Only) ☐ NOB-Whole(TEM Only) ☐ NOB-Res. Ash(TEM) ☐ TCLP for Pb ☐ Other(specify):
2. Total Number Of Samples: TEM 2 PCM ____ PLM ____ LEAD ____ OTHER (Specify) ____
3. ELECTRON MICROSCOPY SAMPLES:
   A. Filter Type: PC ☐ MCE ☐ B. Porosity: ____ Micron C. Diameter ☐ 37mm ☐ 25mm
4. LEAD SAMPLES Wipe Type: ☐ Pace ☐ Palintest ☐ Ghost ☐ Lynx Products ☐ Other (specify) ____
5. Release Criteria/Analytical Sensitivity: 0.010 f/cc ☐ 0.005 f/cc ☐ AHERA ☑ %ASBESTOS ☐ S/FT² ☐ OTHER ☐
6. Field Sheet Attached? ☑ YES ☐ NO If No Then Please Complete The Following:

SAMPLE ANALYSIS INFORMATION					ANALYSIS					MATRIX				CLIENT CONTACT
CLIENT ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	WIPE AREA	TEM	PCM	PLM	LEAD	OTHER	AIR	BLANK	BULK	WIPE	(LABORATORY STAFF ONLY)
1214-258-1	Switch Gear Rm	12/14/02	1200		✓					✓				Date/Time: Contact: By:
1214-258-2	" " "	↓	1200		✓					✓				
														Date/Time: Contact: By:
														Date/Time: Contact: By:

REPORTING DATA:

1. Verbal Results To Whom? Name: Tijan N'jie Phone: 240-381-5549 Beeper:
2. Date Written Results Required 12 / 16 / 02

LABORATORY STAFF ONLY: CUSTODY

1. Date/Time RCVD: 12 / 14 / 02 @ 1600 Via: Drop Box By (Print) David Cockerham Sign:
2. Date/Time Analyzed: 12 / 16 / 02 @ 1307 By (Print): B. Wockman Sign:
3. Results Reported To: Joyce Walker Via: fax Date: 12 / 16 / 02 Time: Initials:
4. Comments:

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CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	Transformer/Switch Gear Replacement, B112, Vault 3	**Chain Of Custody:**	107706
Address:	11609 Edmonston Road	**Job Location:**	Not Provided	**Date Analyzed:**	12/19/2002
	Beltsville, Maryland 20705	**Job Number:**	02-258	**Person Submitting:**	Tijan Njie
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** 0.45 um **Filter Size:** 25 mm (385 mm²)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm²)	Analytical Sensitivity s/cc	Asbestos Type Amount	# Non Asbestos Structures	Concentration s/mm²	Concentration s/cc	Sample Type	Comments
0316264	1218-258-1	1560	0.0600	0.0041	0	0	< 17	< 0.0041	IWA	
0316265	1218-258-2	1560	0.0600	0.0041	0	0	< 17	< 0.0041	IWA	

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

Robert Workman

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CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 107706

MAILING ADDRESS:

1. Submittal Date: 12/18/02 — Job Name/location: Transformer/Switch Gear Replacement, B112, Vault 3
2. Client Name: SaLUT — Job #: 02-258 — P.O. #:
3. Street/RFD/P.O. Box: 11609 Edmonston Rd — Bill To: SaLUT
4. City, State, Zip: Beltsville, MD 20705 — Phone #: 301 595 3783 — Fax: 301 595 3787
5. Contact Person: Joyce Walker — Submitted By: Tijan (Print) _____ (Signature)
6. **DATE & TIME RESULTS REQUIRED:** 12 / 19 / 02, Time: 5:00 AM/PM ☐ IMMED. ☑ 24HR ☐ 48HR ☐ 72HR ☐ 5-DAY OTHER(Specify):

SAMPLE DATA:

1. Analysis Type: ☑ Asbestos ☐ Lead ☐ NOB-Whole(PLM/TEM) ☐ NOB-Whole(PLM Only) ☐ NOB-Whole(TEM Only) ☐ NOB-Res. Ash(TEM) ☐ TCLP for Pb ☐ Other(specify):
2. Total Number Of Samples: TEM 2 PCM ____ PLM ____ LEAD ____ OTHER (Specify)
3. ELECTRON MICROSCOPY SAMPLES:
   A. Filter Type: PC ☐ MCE ☐ B. Porosity: ____ Micron C. Diameter ☐ 37mm ☐ 25mm
4. LEAD SAMPLES Wipe Type: ☐ Pace ☐ Palintest ☐ Ghost ☐ Lynx Products ☐ Other (specify)
5. Release Criteria/Analytical Sensitivity: 0.010 f/cc ☐ 0.005 f/cc ☐ AHERA ☐ %ASBESTOS ☐ S/FT² ☐ OTHER ☐
6. Field Sheet Attached? ☐ YES ☐ NO If No Then Please Complete The Following:

SAMPLE ANALYSIS INFORMATION					ANALYSIS					MATRIX				CLIENT CONTACT
CLIENT ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	WIPE AREA	TEM	PCM	PLM	LEAD	OTHER	AIR	BLANK	BULK	WIPE	(LABORATORY STAFF ONLY)
1218-258-1	Vault 3, B112	12/18/02	1560		✓					✓				Date/Time: Contact: By:
1218-258-2	Vault 3, B112	↓	1560		✓					✓				
														Date/Time: Contact: By:
														Date/Time: Contact: By:

REPORTING DATA:

1. Verbal Results To Whom? Name: Tijan's Wife — Phone: 240 381 5549 — Beeper:
2. Date Written Results Required 12 / 18 / 02

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 12 / 19 / 02 @0800 Via: drop box By (Print): B. Workman Sign: [signature]
2. Date/Time Analyzed: 12 / 19 / 02 @1435 By (Print): B. Workman Sign: [signature]
3. Results Reported To: Joyce Walker Via: fax Date: 12 / 19 / 02 Time: Initials: RHa
4. Comments:

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CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	Transformer & Switch Gear Upgrade	**Chain Of Custody:**	108373
Address:	11609 Edmonston Road	**Job Location:**	Vault 3, B112	**Date Analyzed:**	12/22/2002
	Beltsville, Maryland 20705	**Job Number:**	02-258	**Person Submitting:**	Tijan N'jie
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** 0.45 um **Filter Size:** 25 mm (385 mm²)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm²)	Analytical Sensitivity s/cc	Asbestos Type Amount	# Non Asbestos Structures	Concentration s/mm²	Concentration s/cc	Sample Type	Comments
0316764	1220-258-1	1240	0.0720	0.0043	0	0	< 14	< 0.0043	N/P	
0316765	1220-258-2	1240	0.0720	0.0043	0	0	< 14	< 0.0043	N/P	

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

G. Edward Carney

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CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 108373

MAILING ADDRESS:

1. Submittal Date: 12/20/02
2. Client Name: SaLUT
3. Street/RFD/P.O. Box: 11609 Edmonston Rd
4. City, State, Zip: Beltsville, MD 20705
5. Contact Person: Joyce Walker

Job Name/location: Transformer & Switch Gear Upgrade, Vault 3, B119
Job #: 02-258 P.O. #:
Bill To: SaLUT
Phone #: 3015953783 Fax: 301 595 3787
Submitted By: Tijan N'jie (Print) (Signature)

6. DATE & TIME RESULTS REQUIRED: 12 / 23 / 02, Time: 6:00 AM/PM ☑ IMMED. ☐ 24HR ☐ 48HR ☐ 72HR ☐ 5-DAY OTHER(Specify):

SAMPLE DATA:

1. Analysis Type: ☑ Asbestos ☐ Lead ☐ NOB-Whole(PLM/TEM) ☐ NOB-Whole(PLM Only) ☐ NOB-Whole(TEM Only) ☐ NOB-Res. Ash(TEM) ☐ TCLP for Pb ☐ Other(specify):
2. Total Number Of Samples: TEM 2 PCM ____ PLM ____ LEAD ____ OTHER (Specify) ____
3. ELECTRON MICROSCOPY SAMPLES:
   A. Filter Type: PC ☐ MCE ☐ B. Porosity: ____ Micron C. Diameter ☐ 37mm ☐ 25mm
4. LEAD SAMPLES Wipe Type: ☐ Pace ☐ Palintest ☐ Ghost ☐ Lynx Products ☐ Other (specify) ____
5. Release Criteria/Analytical Sensitivity: 0.010 f/cc ☐ 0.005 f/cc ☐ AHERA ☐ %ASBESTOS ☐ S/FT² ☐ OTHER ☐
6. Field Sheet Attached? ☑ YES ☐ NO If No Then Please Complete The Following:

SAMPLE ANALYSIS INFORMATION					ANALYSIS					MATRIX				CLIENT CONTACT
CLIENT ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	WIPE AREA	TEM	PCM	PLM	LEAD	OTHER	AIR	BLANK	BULK	WIPE	(LABORATORY STAFF ONLY)
1220-258-1		12/20	1240	~~1240~~	✓					✓				Date/Time: Contact: By:
1220-258-2		12/20	1240	~~1240~~	✓					✓				
														Date/Time: Contact: By:
														Date/Time: Contact: By:

REPORTING DATA:

1. Verbal Results To Whom? Name: Tijan N'jie Phone: 240-381-5549 Chris Drum of TBN - 240-508-3135 Beeper:
2. Date Written Results Required 12 / 30 / 02

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 12 / 20 / 02 @ 1900 Via: drop box By (Print): CEGarry Sign: DE
2. Date/Time Analyzed: 12 / 21 / 02 @ 1020 By (Print): CEGarry Sign: DE
3. Results Reported To: Tijan, Chris Drum of TBN, Joyce Via: memo/fax Date: 12 / 22 / 02 Time: 0848 Initials: [illegible]
4. Comments:

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CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	Transformer & Switch Gear Upgrade, NEOB B112	**Chain Of Custody:**	107705
Address:	11609 Edmonston Road	**Job Location:**	Not Provided	**Date Analyzed:**	12/27/2002
	Beltsville, Maryland 20705	**Job Number:**	Not Provided	**Person Submitting:**	Tijan N'jie
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** 0.45 um **Filter Size:** 25 mm (385 mm²)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm²)	Analytical Sensitivity s/cc	Asbestos Type Amount	# Non Asbestos Structures	Concentration s/mm²	Concentration s/cc	Sample Type	Comments
0317497	1226-25-1	1200	0.0708	0.0045	0	0	< 14	< 0.0045	N/P	
0317498	1226-25-2	1200	0.0708	0.0045	0	0	< 14	< 0.0045	N/P	

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

Andreas Saldivar

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CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 107705

MAILING ADDRESS:

1. Submittal Date: 12/26/02
2. Client Name: SadUT
3. Street/RFD/P.O. Box: 11609 Edmonston Rd
4. City, State, Zip: Bellsville, MD 20705
5. Contact Person: Joyce Walker

Job Name/location: Transformer + Switch Gear Upgrade, NEOB B110
Job # : 02-258 P.O. #:
Bill To: SadUT
Phone #: 301 595 3783 Fax:
Submitted By: Titan N'Jie (Print) (Signature)

6. DATE & TIME RESULTS REQUIRED: 12 / 27 / 02 , **Time:** 5:00 AM PM ☐ **IMMED.** ☑ **24HR** ☐ **48HR** ☐ **72HR** ☐ **5-DAY** OTHER(Specify):

SAMPLE DATA:

1. Analysis Type: ☑ Asbestos ☐ Lead ☐ NOB-Whole(PLM/TEM) ☐ NOB-Whole(PLM Only) ☐ NOB-Whole(TEM Only) ☐ NOB-Res. Ash(TEM) ☐ TCLP for Pb ☐ Other(specify):
2. Total Number Of Samples: TEM ____ PCM ____ PLM ____ LEAD ____ OTHER (Specify) ____
3. ELECTRON MICROSCOPY SAMPLES:
   A. Filter Type: PC ☐ MCE ☐ **B.** Porosity: ____ Micron **C.** Diameter ☐ 37mm ☐ 25mm
4. LEAD SAMPLES Wipe Type: ☐ Pace ☐ Palintest ☐ Ghost ☐ Lynx Products ☐ Other (specify) ____
5. Release Criteria/Analytical Sensitivity: 0.010 f/cc ☐ 0.005 f/cc ☐ AHERA ☐ %ASBESTOS ☐ S/FT² ☐ OTHER ☐
6. Field Sheet Attached? ☐ YES ☐ NO If No Then Please Complete The Following:

SAMPLE ANALYSIS INFORMATION					ANALYSIS					MATRIX				CLIENT CONTACT
CLIENT ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	WIPE AREA	TEM	PCM	PLM	LEAD	OTHER	AIR	BLANK	BULK	WIPE	(LABORATORY STAFF ONLY)
1226-258-1	Vault 1	12/26/02	1200		✓					✓				Date/Time: Contact: By:
1226-258-2	Vault 1	12/26/02	1200		✓					✓				
														Date/Time: Contact: By:
														Date/Time: Contact: By:

REPORTING DATA:

1. Verbal Results To Whom? Name: Joyce Walker Phone: 301 595 3783 Beeper:
2. Date Written Results Required 12 / 27 / 02

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 12 / 27 / 02 @ 0800 Via: DN By (Print): Sign:
2. Date/Time Analyzed: 12 / 27 / 02 @ 1140 By (Print): A Saldiver Sign:
3. Results Reported To: SadUT Via: Fax Date: 12 / 27 / 02 Time: 1155 Initials:
4. Comments:

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CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	Transfer and Switch Gear Upgrade	**Chain Of Custody:**	107718
Address:	11609 Edmonston Road	**Job Location:**	B112 and B227	**Date Analyzed:**	01/05/2003
	Beltsville, Maryland 20705	**Job Number:**	02-258	**Person Submitting:**	Tijan N'Jie
		P.O. Number:	Not Provided		
Attention:	Tijan N'Jie				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** 0.45 um **Filter Size:** 25 mm (385 mm²)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm²)	Analytical Sensitivity s/cc	Asbestos Type Amount	# Non Asbestos Structures	Concentration s/mm²	Concentration s/cc	Sample Type	Comments
0318926	0105-258-5	1200	0.0684	0.0047	0	0	< 15	< 0.0047	FC	
0318927	0105-258-6	1200	0.0684	0.0047	1 Chrysotile	1	15	0.0047	FC	

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

Andreas Saldivar

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CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 107718

MAILING ADDRESS:

1. Submittal Date: 1/5/03 — Job Name/location: Transformer + Switch Gear upgrade, B118 + B227
2. Client Name: SaAlT — Job #: 03-258 — P.O. #:
3. Street/RFD/P.O. Box: 11609 Edmonston Rd — Bill To: SaAlT
4. City, State, Zip: Beltsville, MD 20705 — Phone #: 301 595 3783 — Fax: 301 595 3787
5. Contact Person: Joyce Walker — Submitted By: Tijan N'Jie (Print) — (Signature)
6. **DATE & TIME RESULTS REQUIRED:** 1 / 6 / 03, **Time:** 3:00 AM/PM ☒ **IMMED.** ☒ **24HR** ☐ **48HR** ☐ **72HR** ☐ **5-DAY** OTHER(Specify): Per tijan

SAMPLE DATA:

1. Analysis Type: ☑ Asbestos ☐ Lead ☐ NOB-Whole(PLM/TEM) ☐ NOB-Whole(PLM Only) ☐ NOB-Whole(TEM Only) ☐ NOB-Res. Ash(TEM) ☐ TCLP for Pb ☐ Other(specify):
2. Total Number Of Samples: TEM 2 PCM ____ PLM ____ LEAD ____ OTHER (Specify) ____
3. ELECTRON MICROSCOPY SAMPLES:
   A. Filter Type: PC ☐ MCE ☐ B. Porosity: ____ Micron C. Diameter ☐ 37mm ☐ 25mm
4. LEAD SAMPLES Wipe Type: ☐ Pace ☐ Palintest ☐ Ghost ☐ Lynx Products ☐ Other (specify) ____
5. Release Criteria/Analytical Sensitivity: 0.010 f/cc ☐ 0.005 f/cc ☐ AHERA ☑ %ASBESTOS ☐ S/FT² ☐ OTHER ☐
6. Field Sheet Attached? ☐ YES ☑ NO If No Then Please Complete The Following:

SAMPLE ANALYSIS INFORMATION					ANALYSIS					MATRIX				CLIENT CONTACT (LABORATORY STAFF ONLY)		
CLIENT ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	WIPE AREA	TEM	PCM	PLM	LEAD	OTHER	AIR	BLANK	BULK	WIPE	Date/Time:	Contact:	By:
0105-258-5	B227-Section 1	1/5/03	1200		✓					✓						
0105-258-6	" " "	↓	1200		✓					✓						
														Date/Time:	Contact:	By:
														Date/Time:	Contact:	By:

REPORTING DATA:

1. Verbal Results To Whom? Name: Tijan N'Jie Phone: 2403815549. Beeper:
2. Date Written Results Required 1 / 6 / 3

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 1 / 5 / 03 @ 1400 Via: Drop Box By (Print): Peera Sign:
2. Date/Time Analyzed: 1 / 5 / 03 @ 2035 By (Print): Saldver Sign:
3. Results Reported To: Tijan N'Jie Via: Phone Date: 1 / 5 / 03 Time: 2035 Initials:
4. Comments:

SaLUT

Soil and Land Use Technology, Inc.

11609 Edmonston Road, Beltsville, Maryland 20705

Telephone: (301) 595-3783
Fax: (301) 595-3787

January 31, 2003

GSA Finance Division (7BCP)
PO Box 17181
7th & D Sts, SW, Room 2080
Fort Worth, TX 76102

INVOICE

For Services Rendered from December 6, 2002 through January 16, 2003

RE: Project Name: New Executive Office Building
Contract No.: GS11P02YTC0275
Order No.: P-11-03-DC-0101
Act No.: 1B3N03291
SaLUT Project No.: 02-258
SaLUT Invoice No.: 6067

Item No.	Description	Unit Price	Unit	Qty	Item Total
	ASBESTOS				
1	Initial Inspection	$200.00	day	2	$400.00
2	Daily Inspection	$400.00	day	20	$8,000.00
3	Final Inspection	$200.00	day		$0.00
4	Daily Inspection, GSA Workers	$400.00	day		$0.00
5	Asbestos Air Samples	$5.00	each		$0.00
6	Asbestos Bulk Sample (Same Day)	$15.00	each		$0.00
7	Bulk Sample (Point-Counting)	$42.00	each		$0.00
8	TEM Analysis (6-Hour)	$90.00	each	12	$1,080.00
9	TEM Analysis (48 Hours)	$58.00	each		$0.00
	LEAD				
10	Initial Inspection	$200.00	day		$0.00
11	Daily Inspection	$400.00	day		$0.00
12	Final Inspection	$250.00	day		$0.00
13	Lead Air	$7.00	each		$0.00
14	Lead Air (24-Hour)	$11.00	each		$0.00
15	Lead Wipes	$11.00	each		$0.00
16	Lead Bulks	$11.00	each		$0.00
	GENERAL INDUSTRIAL HYGIENE				
17	CIH Visits	$90.00	visit		$0.00
18	Hours Over 10 Per Shift	$45.00	hour		$0.00
19	No Show Rate for Daily Inspection	$200.00	hour		$0.00
	Total Amount Due				$9,480.00

cc: Original + 1 copy

2485
DC010522

Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

Report Prepared for:
GSA, NCR, Service Delivery Support
Safety, Environmental, & Fire
7th & D Streets, SW
Room 2080
Washington, D.C. 20407

T. Sleeth/WPYG
1-14-02
cc: WPW

PROJECT PROGRESS / CLOSEOUT REPORT

Site Name: New Executive Office Building

Project Name: Fan Coil Unit Replacement Project - Chilled Water / Hot Water Supply Line Access Door Installation, Asbestos Hazard Reduction

Work Area Location: NEOB: Room 8236: Work Area A - Risers 54A, Work area B - Risers 55A, Work Area C - Risers 56, 57 and 58, Work Area D - Risers 58A, Work Area E - Riser 59 and 59A, Work Area F - Risers 60, Work Area G - Risers 60A, Work Area H - Risers 61, 61A and 62, Work Area I - 62A, and Work Area J - Risers 63 and 63A.

Order Number:	**Contract Number:**	**ACT Number:**
P-11-01-DC-0107	GS11P00MQD0098	PO2642534

Project Date (s): August 17 & 18, 2001

Sampling Conducted: Pre-abatement, Area, Work Area, Remote, and Final Clearance Monitoring - PCM Analysis (NIOSH 7400 Method)

Project Description: Industrial Hygiene Technologies, Inc. (IHT) was retained to conduct asbestos abatement project monitoring and design conformance control during the demolition of perimeter walls to allow for future installation of perimeter wall plumbing access doors associated with the New Executive Office Building Fan Coil Unit replacement Project.

Hillian Brothers, Inc. was retained to erect mini-negative pressure enclosures to be used in the demolition of perimeter plaster walls, cleaning of plumbing chases, and removal of asbestos TSI, as encountered. Known asbestos hazards associated with this project include over-spray / delaminated spray applied asbestos fire retardant, cementitious fittings, pipe insulation, and contaminated debris. Hillian Brothers is utilizing asbestos engineering controls to ensure demolition activities which may disturb friable asbestos materials and contaminated debris within the chases, do not contaminate adjacent office areas. When encountered, asbestos is removed using wet methods. Regardless of the existence of asbestos TSI on plumbing, each chase area is presumed to be contaminated with asbestos fire retardant, and decontaminated.

Project Description Continued:

Work began at 6:00 pm, August 17, 2001. Preparation of the work area, and pre-abatement monitoring were conducted. All work was conducted as per abatement plan, with the exception of fan coil unit decontamination. Fan coil units are protected and covered during these operations. Work to clean fan coil units will take place during another phase of the project.

The following work shift began at 6:00am, August 18, 2001 and involved lock-out / tag-out of the HVAC systems, additional preparations, demolition of perimeter walls, decontamination of wall chases, and removal of cementitious fittings.

Deviations:

IHT conducted sampling in each of 10 mini-containments, (NEOB: Room 8236: Work Area A - Risers 54A, Work area B - Risers 55A, Work Area C - Risers 56, 57 and 58, Work Area D - Risers 58A, Work Area E - Riser 59 and 59A, Work Area F - Risers 60, Work Area G - Risers 60A, Work Area H - Risers 61, 61A and 62, Work Area I - 62A, and Work Area J - Risers 63 and 63A.), within each separate office, at AFD Exhaust, remotely within adjacent hallways, and outside the work area. The sampling plan was developed by Mark Sovich, Michael MacCabe, and Ryan Reed during a pre-work walkthrough conducted February 9, 2001. The sampling plan involves assessment of each functional area of abatement, within the control areas, staging areas, AFD exhaust, and remotely such that the "sampling train" is sufficient to rapidly assess and delineate fiber migration, should a fiber release episode occur during the operation. Immediate analysis of samples mid and end of shift is conducted to ensure safety of un-protected workers outside of the control area, and rapid response to fiber release.

Work was completed and asbestos contractor fully completed with abatement work by 2:30 PM 08/18/01. All work was completed as per modified scope of work / abatement plan. Final clearance was achieved within each NPE with all results reported below 0.01 F/cc.

Elevated pre-abatement and during abatement samples were noted this mobilization. All elevated outside air samples were less than the PEL. As per previous direction from GSA, and as GSA safety contacts could not be reached for direction, elevated samples were not submitted for re-analysis by TEM.

The elevated results were attributable to heavy foot traffic during all sampling, directly adjacent to work areas, and saw cutting of walls for access door penetrations. Dust control was utilized, but without airless sprayer. Final clearance was achieved in each work area upon completion of work.

Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

PRE-ABATEMENT CHECKLIST & LOG

CLIENT: GSA, NCR, SDS, WPYG	**ORDER NUMBER: P-11-01-DC-0101**	**CONTRACT NUMBER: GS11P00MQD0098**	**ACT NUMBER: PO2642534**
BUILDING: New Executive Office Building		**LOCATION:** 725 17th Street NW, Washington, D.C.	
PROJECT: 8th Floor Fan Coil Replacement Project		**DATE:** 17 August 01	

REMOVAL CONTRACTOR: Hillian **CONTRACTOR SUPERVISOR:** Sylvio Argueto		**MONITORING CONTRACTOR:** INDUSTRIAL HYGIENE TECHNOLOGIES, INC.	
		TIME START: 1830	**TIME COMPLETE:** 2200
ABATEMENT SCOPE OF WORK: Prep Work for Class I removal operations			
TYPE OF ASBESTOS MATERIAL TO BE ABATED	**Friable**	**QTY. OF ASBESTOS MATERIAL TO BE ABATED**	Unknown

OSHA ACTIVITY CLASSIFICATION	**CLASS I**	**X**	**CLASS II**		**CLASS III**		**CLASS IV**	

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	DEVIATION
WORK SITE ISOLATION	BARRIER TAPE TO ISOLATE STAGING AREA AND DECON		X- Prep Work
	FULL CONTAINMENT		X- Prep Work
	NEGATIVE PRESSURE -0.02 MINIMUM		X- Prep Work
	FOUR AIR CHANGES PER HOUR		X- Prep Work
	CRITICAL BARRIERS INTACT (DUCTS, WINDOWS, DOORS, ALL PENETRATIONS)		X- Prep Work
	FLOOR COVERED		X- Prep Work
	WALLS COVERED		X- Prep Work
	AREA VENTILATION OFF & VENTS COVERED		X- Prep Work
	GLOVEBAGS SMOKE TESTED AND FOUND SATISFACTORY		X- Prep Work
SIGNAGE	CAUTION SIGNS AT STAGING AREA		X- Prep Work
	OSHA SIGN (ASBESTOS) AT ENTRANCES TO WORK AREA		X- Prep Work
	WASTE CONTAINERS LABELED PER NESHAP & GENERATOR		X- Prep Work
	HVAC SYSTEM TAGGED OUT		X- Prep Work
	NO SMOKING, EATING OR DRINKING IN THE WORK AREA		X- Prep Work
MARK W/ X, MARK NA IF NOT REQUIRED/UTILIZED, EXPLAIN DEVIATIONS IN LOG			

Signature of Inspector/Project Monitor: _____ Date: 17 August 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

7220-U Telegraph Square Drive, Lorton, Virginia 22079 (703) 541-9015, Fax (703) 541-9019

Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

PRE-ABATEMENT CHECKLIST & LOG

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Building		**LOCATION:** 725 17th Street NW, Washington, D.C.	
PROJECT: 8th Floor Fan Coil Replacement Project		**DATE:** 17 August 01	

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	DEVIATION
INSPECTION	HIGH-SPEED ABRASIVE DISC SAWS, COMPRESSED AIR, DRY SWEEPING, SHOVELING, EMPLOYEE ROTATION - NOT TO BE USED		X- Prep Work
	LABELED WASTE CONTAINERS ON SITE		X- Prep Work
	HEPA VACUUM FOUND WORKING AND ACCEPTABLE		X- Prep Work
	ACCESS TO WATER FOR WET METHODS		X- Prep Work
	AIRLESS SPRAYER WORKING AND IN WORK AREA		X- Prep Work
WORKER PROTECTION	DISPOSABLE COVERALLS & BOOT COVERS		X- Prep Work
	PROPER NIOSH RESPIRATORS TYPE RESPIRATOR:_____ FILTER:_____		X- Prep Work
	HEAD PROTECTION		X- Prep Work
	EYE PROTECTION		X- Prep Work
SHOWERS	FUNCTIONING		X- Prep Work
	HOT AND COLD RUNNING WATER		X- Prep Work
	WATER COLLECTION / FILTERING DEVICE FUNCTIONAL		X- Prep Work
WORK HABITS	HOUSE KEEPING - MATERIALS AND EQUIPMENT STORED. LOCKERS AND PERSONAL ITEM CONTAINERS	X	
SAFETY MEETING	COMPETENT PERSON HAS CONDUCTED A SAFETY MEETING	X	
BASELINE MONITORING	BASELINE MONITORING CONDUCTED PRIOR TO START OF PREPARATIONS	X	
PROJECT DESIGN	PROJECT DESIGN ON SITE, AND ALL PREPARATIONS COMPLETED IN ACCORDANCE WITH DESIGN	X	
DOCUMENTS	NOTIFICATION, PERMIT, ABATEMENT PLAN, CONTRACTOR LICENSE, SUPERVISOR LICENSE, WORKER LICENSE, TRAINING, & MEDICAL, FIT TEST DOCUMENTATION ON SITE AND IN ORDER	X	
MARK W/ X, MARK N/A IF NOT REQUIRED/UTILIZED, EXPLAIN DEVIATIONS IN LOG			

Signature of Inspector/Project Monitor: _____ Date: 17 August 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

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Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

PRE-ABATEMENT CHECKLIST & LOG

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Building		**LOCATION:** 725 17th Street NW, Washington, D.C.	
PROJECT: 8th Floor Fan Coil Replacement Project		**DATE:** 17 August 01	

DAILY LOG OF EVENTS

Remediation Activities

1830: Hillian on site. Hillian supervisor informs IHT that Hillian shall be commencing prepwork for ACM Class I removal operations using Mini-containments, hand tools, and wet methods. These removal activities are to occur in NEOB: 8TH Floor Room 8236 Risers 54A - 63A, Mini-Containment work areas A, B, C, D, E, F, G, H, I, & J.

1840: Hillian workers mobilize and commence prep work on 8th floor.

2145: Hillian workers halt prep work operations. Hillian to return to site tomorrow 8/18/01 @ 6:30AM to continue prep work operations and commence TSI fitting removal.

2200: Hillian departed the site.

Sampling

1830: IHT on site to perform area air monitoring and abatement quality control.

1950: IHT begins sampling.

2200: IHT completed sampling. IHT offsite.

Inspections

No inspections necessary.

Comments

Mini-containment preparation went without incident. Some of the pre-abatement samples were above 0.01f/cc. This was most likely caused by preparation activities.

Signature of Inspector/Project Monitor: _____ Date: 17 August 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

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Environmental & Industrial Hygiene Consultants

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Building		**LOCATION:** 725 17th Street NW, Washington, D.C.	
PROJECT: 8th Floor Fan Coil Replacement Project		**DATE:** 17 August 01	

PCM SAMPLE LOG

Microscopist: _____
(sign)

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-081701-01CT	PRE	NEOB: 8TH Floor Room 8236 work area A	10.0	10.0	7:50 pm	9:25 pm	95	950.0	14.0	0.007
2534-081701-02CT	PRE	NEOB: 8TH Floor Room 8236 work area B/C	10.0	10.0	7:50 pm	9:25 pm	95	950.0	18.0	0.009
2534-081701-03CT	PRE	NEOB: 8TH Floor Room 8236 work area B/C	10.0	10.0	7:50 pm	9:25 pm	95	950.0	10.5	0.005
2534-081701-04CT	PRE	NEOB: 8TH Floor Room 8236 work area D	10.0	10.0	7:51 pm	9:25 pm	94	940.0	20.5	0.011
2534-081701-05CT	PRE	NEOB: 8TH Floor Room 8236 work area D	10.0	10.0	7:51 pm	9:25 pm	94	940.0	19.0	0.010
2534-081701-06CT	PRE	NEOB: 8TH Floor Room 8236 work area E	10.0	10.0	7:52 pm	9:26 pm	94	940.0	17.5	0.009

Signature of Inspector/Project Monitor: _____ Date: 17 August 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

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Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

PRE-ABATEMENT CHECKLIST & LOG

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Building		**LOCATION:** 725 17th Street NW, Washington, D.C.	
PROJECT: 8th Floor Fan Coil Replacement Project		**DATE:** 17 August 01	

Microscopist: _____ (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-081701-07CT	PRE	NEOB: 8TH Floor Room 8236 work area E	10.0	10.0	7:52 pm	9:26 pm	94	940.0	14.0	0.007
2534-081701-08CT	PRE	NEOB: 8TH Floor Room 8236 work area F	10.0	10.0	7:53 pm	9:26 pm	93	930.0	13.5	0.007
2534-081701-09CT	PRE	NEOB: 8TH Floor Room 8236 work area F	10.0	10.0	7:53 pm	9:26 pm	93	930.0	10.0	0.005
2534-081701-10CT	PRE	NEOB: 8TH Floor Room 8236 work area G	10.0	10.0	7:54 pm	9:27 pm	93	930.0	23.5	0.012
2534-081701-11CT	PRE	NEOB: 8TH Floor Room 8236 work area G	10.0	10.0	7:54 pm	9:27 pm	93	930.0	20.0	0.011
2534-081701-12CT	PRE	NEOB: 8TH Floor Room 8236 work area H	10.0	10.0	7:55 pm	9:27 pm	92	920.0	22.5	0.012

Signature of Inspector/Project Monitor: _____ Date: 17 August 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

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Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

PRE-ABATEMENT CHECKLIST & LOG

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Building		**LOCATION:** 725 17th Street NW, Washington, D.C.	
PROJECT: 8th Floor Fan Coil Replacement Project		**DATE:** 17 August 01	

Microscopist: _____
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-081701-13CT	PRE	NEOB: 8TH Floor Room 8236 work area H	10.0	10.0	7:55 pm	9:27 pm	92	920.0	18.0	0.010
2534-081701-14CT	PRE	NEOB: 8TH Floor Room 8236 work area I	10.0	10.0	7:56 pm	9:28 pm	92	920.0	19.0	0.010
2534-081701-15CT	PRE	NEOB: 8TH Floor Room 8236 work area I	10.0	10.0	7:56 pm	9:28 pm	92	920.0	20.5	0.011
2534-081701-16CT	PRE	NEOB: 8TH Floor Room 8236 work area J	10.0	10.0	7:58 pm	9:29 pm	91	910.0	16.5	0.009
2534-081701-17CT	PRE	NEOB: 8TH Floor Room 8236 work area J	10.0	10.0	7:58 pm	9:29 pm	91	910.0	15.0	0.008
2534-081701-18CT	PRE	NEOB: 8TH Floor Hallway adjacent to room 8230	10.0	10.0	8:00 pm	9:30 pm	90	900.0	8.0	0.004

Signature of Inspector/Project Monitor: _____ Date: 17 August 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

7220-U Telegraph Square Drive, Lorton, Virginia 22079 (703) 541-9015, Fax (703) 541-9019

Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

PRE-ABATEMENT CHECKLIST & LOG

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Building		**LOCATION:** 725 17th Street NW, Washington, D.C.	
PROJECT: 8th Floor Fan Coil Replacement Project		**DATE:** 17 August 01	

Microscopist: _____ (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-081701-19CT	PRE	NEOB: 8TH Floor Hallway adjacent to room 8218	10.0	10.0	8:00 pm	9:30 pm	90	900.0	6.5	<0.004

Signature of Inspector/Project Monitor: _____ Date: 17 August 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

7220-U Telegraph Square Drive, Lorton, Virginia 22079 (703) 541-9015, Fax (703) 541-9019

Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

PRE-ABATEMENT CHECKLIST & LOG

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Building		**LOCATION:** 725 17th Street NW, Washington, D.C.	
PROJECT: 8th Floor Fan Coil Replacement Project		**DATE:** 18 August 01	

REMOVAL CONTRACTOR: Hillian **CONTRACTOR SUPERVISOR:** Sylvio Argueto		**MONITORING CONTRACTOR:** INDUSTRIAL HYGIENE TECHNOLOGIES, INC.	
		TIME START: 0630	**TIME COMPLETE:** 1430
ABATEMENT SCOPE OF WORK: Prep Work for Class I removal operations			
TYPE OF ASBESTOS MATERIAL TO BE ABATED	**Friable**	**QTY. OF ASBESTOS MATERIAL TO BE ABATED**	Unknown

OSHA ACTIVITY CLASSIFICATION	CLASS I	X	CLASS II		CLASS III		CLASS IV	

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	DEVIATION
WORK SITE ISOLATION	BARRIER TAPE TO ISOLATE STAGING AREA AND DECON		X- Prep Work
	FULL CONTAINMENT		X- Prep Work
	NEGATIVE PRESSURE -0.02 MINIMUM		X- Prep Work
	FOUR AIR CHANGES PER HOUR		X- Prep Work
	CRITICAL BARRIERS INTACT (DUCTS, WINDOWS, DOORS, ALL PENETRATIONS)		X- Prep Work
	FLOOR COVERED		X- Prep Work
	WALLS COVERED		X- Prep Work
	AREA VENTILATION OFF & VENTS COVERED		X- Prep Work
	GLOVEBAGS SMOKE TESTED AND FOUND SATISFACTORY		X- Prep Work
SIGNAGE	CAUTION SIGNS AT STAGING AREA		X- Prep Work
	OSHA SIGN (ASBESTOS) AT ENTRANCES TO WORK AREA		X- Prep Work
	WASTE CONTAINERS LABELED PER NESHAP & GENERATOR		X- Prep Work
	HVAC SYSTEM TAGGED OUT		X- Prep Work
	NO SMOKING, EATING OR DRINKING IN THE WORK AREA		X- Prep Work
MARK W/ X, MARK NA IF NOT REQUIRED/UTILIZED, EXPLAIN DEVIATIONS IN LOG			

Signature of Inspector/Project Monitor: _____ Date: 18 August 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

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Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Building		**LOCATION:** 725 17th Street NW, Washington, D.C.	
PROJECT: 8th Floor Fan Coil Replacement Project		**DATE:** 18 August 01	

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	DEVIATION
INSPECTION	HIGH-SPEED ABRASIVE DISC SAWS, COMPRESSED AIR, DRY SWEEPING, SHOVELING, EMPLOYEE ROTATION - NOT TO BE USED		X- Prep Work
	LABELED WASTE CONTAINERS ON SITE		X- Prep Work
	HEPA VACUUM FOUND WORKING AND ACCEPTABLE		X- Prep Work
	ACCESS TO WATER FOR WET METHODS		X- Prep Work
	AIRLESS SPRAYER WORKING AND IN WORK AREA		X- Prep Work
WORKER PROTECTION	DISPOSABLE COVERALLS & BOOT COVERS		X- Prep Work
	PROPER NIOSH RESPIRATORS TYPE RESPIRATOR:_____ FILTER:_____		X- Prep Work
	HEAD PROTECTION		X- Prep Work
	EYE PROTECTION		X- Prep Work
SHOWERS	FUNCTIONING		X- Prep Work
	HOT AND COLD RUNNING WATER		X- Prep Work
	WATER COLLECTION / FILTERING DEVICE FUNCTIONAL		X- Prep Work
WORK HABITS	HOUSE KEEPING - MATERIALS AND EQUIPMENT STORED. LOCKERS AND PERSONAL ITEM CONTAINERS	X	
SAFETY MEETING	COMPETENT PERSON HAS CONDUCTED A SAFETY MEETING	X	
BASELINE MONITORING	BASELINE MONITORING CONDUCTED PRIOR TO START OF PREPARATIONS	X	
PROJECT DESIGN	PROJECT DESIGN ON SITE, AND ALL PREPARATIONS COMPLETED IN ACCORDANCE WITH DESIGN	X	
DOCUMENTS	NOTIFICATION, PERMIT, ABATEMENT PLAN, CONTRACTOR LICENSE, SUPERVISOR LICENSE, WORKER LICENSE, TRAINING, & MEDICAL, FIT TEST DOCUMENTATION ON SITE AND IN ORDER	X	
MARK W/ X, MARK N/A IF NOT REQUIRED/UTILIZED, EXPLAIN DEVIATIONS IN LOG			

See **Asbestos Abatement Monitoring Checklist and Log of Events- Daily Log of Events** for details concerning project.

Signature of Inspector/Project Monitor: _____ Date: 18 August 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

7220-U Telegraph Square Drive, Lorton, Virginia 22079 (703) 541-9015, Fax (703) 541-9019

Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

ABATEMENT FINAL INSPECTION CHECKLIST & LOG

CLIENT: GSA, NCR, SDS, WPYG	**ORDER NUMBER: P-11-01-DC-0101**	**CONTRACT NUMBER: GS11P00MQD0098**	**ACT NUMBER: PO2642534**
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 18 August 01	

REMOVAL CONTRACTOR: Hillian **CONTRACTOR SUPERVISOR:** Silvio Argueta		**MONITORING CONTRACTOR:** INDUSTRIAL HYGIENE TECHNOLOGIES, INC.	
		TIME START: 0630	**TIME COMPLETE:** 1430
ABATEMENT SCOPE OF WORK: Demolition, Decontamination w/ possible TSI removal			
TYPE OF ASBESTOS MATERIAL ABATED	**N/A**	**QTY. OF ASBESTOS MATERIAL ABATED**	N/A

OSHA ACTIVITY CLASSIFICATION	**CLASS I**	**X**	**CLASS II**		**CLASS III**		**CLASS IV**	

DESCRIBE SPECIFIC WORK AREA INSPECTED: NEOB: 8th Floor Mini-Containment Work Area's A, B, C, D, E, F, G, H, I, & J

TOTAL SQUARE FOOTAGE OF WORK AREA: 10 Mini-Containments 40ft² per work area

FINAL CLEARANCE (AHERA, PCM, NIOSH 7402, AGGRESSIVE): PCM

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	PROBLEMS ENCOUNTERED
Residual Dust / Debris	Floor	YES	
	Horizontal Surfaces	YES	
	Pipes	YES	
	Ventilation Equip.	YES	
	Ductwork	N/A	
	Registers	N/A	
	Lights	N/A	
	Other	N/A	

(The above questions are to be answered "YES" or "Problem Encountered Noted".)

See **Asbestos Abatement Monitoring Checklist and Log of Events- Daily Log of Events** for details concerning project.

Note: IHT received direction to conduct PCM final clearance on NEOB Fan Coil Replacement project from GSA IH Tim Sleeth. GSA states that the project is classified as an O&M project and not subject to NESHAP quantities.

Signature of Inspector/Project Monitor: _____ Date: 18 August 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

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BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 18 August 01	

PCM SAMPLE LOG

Microscopist: _____
(sign)

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-081801-36CT	POST	New Executive Office Building: Inside area A	10.0	10.0	9:40 am	11:40 am	120	1200	2.0	<0.003
2534-081801-37CT	POST	New Executive Office Building: Inside area A	10.0	10.0	9:40 am	11:40 am	120	1200	2.5	<0.003
2534-081801-38CT	POST	New Executive Office Building: Inside area B	10.0	10.0	9:42 am	11:42 am	120	1200	4.0	<0.003
2534-081801-39CT	POST	New Executive Office Building: Inside area B	10.0	10.0	9:42 am	11:42 am	120	1200	5.5	<0.003
2534-081801-40CT	POST	New Executive Office Building: Inside area C	10.0	10.0	9:44 am	11:44 am	120	1200	3.5	<0.003
2534-081801-41CT	POST	New Executive Office Building: Inside area C	10.0	10.0	9:44 am	11:44 am	120	1200	2.0	<0.003

Signature of Inspector/Project Monitor: _____ Date: 18 August 01

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ABATEMENT FINAL INSPECTION CHECKLIST & LOG

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PROJECT: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 18 August 01	

Microscopist: _____ (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-081801-42CT	POST	New Executive Office Building: Inside area D	10.0	10.0	9:46 am	11:46 am	120	1200	3.5	<0.003
2534-081801-43CT	POST	New Executive Office Building: Inside area D	10.0	10.0	9:46 am	11:46 am	120	1200	2.5	<0.003
2534-081801-44CT	POST	New Executive Office Building: Inside area E	10.0	10.0	10:25 am	12:25 pm	120	1200	2.0	<0.003
2534-081801-45CT	POST	New Executive Office Building: Inside area E	10.0	10.0	10:25 am	12:25 pm	120	1200	3.5	<0.003
2534-081801-46CT	POST	New Executive Office Building: Inside area F	10.0	10.0	10:27 am	12:27 pm	120	1200	2.5	0.003
2534-081801-47CT	POST	New Executive Office Building: Inside area F	10.0	10.0	10:27 am	12:27 pm	120	1200	3.0	<0.003

Signature of Inspector/Project Monitor: _____ Date: 18 August 01

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BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 18 August 01	

Microscopist: _____ (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-081801-48CT	POST	New Executive Office Building: Inside area G	10.0	10.0	10:29 am	12:29 pm	120	1200	4.5	<0.003
2534-081801-49CT	POST	New Executive Office Building: Inside area G	10.0	10.0	10:29 am	12:29 pm	120	1200	4.0	<0.003
2534-081801-50CT	POST	New Executive Office Building: Inside area H	10.0	10.0	11:00 am	1:00 pm	120	1200	3.0	<0.003
2534-081801-51CT	POST	New Executive Office Building: Inside area H	10.0	10.0	11:00 am	1:00 pm	120	1200	3.5	<0.003
2534-081801-52CT	POST	New Executive Office Building: Inside area I	10.0	10.0	11:02 am	1:02 pm	120	1200	2.5	<0.003
2534-081801-53CT	POST	New Executive Office Building: Inside area I	10.0	10.0	11:02 am	1:02 pm	120	1200	3.5	<0.003

Signature of Inspector/Project Monitor: _____ Date: 18 August 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

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BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 18 August 01	

Microscopist: _____ (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-081801-54CT	POST	New Executive Office Building: Inside area J	10.0	10.0	11:04 am	1:04 pm	120	1200	2.0	<0.003
2534-081801-55CT	POST	New Executive Office Building: Inside area J	10.0	10.0	11:04 am	1:04 pm	120	1200	4.0	<0.003

Signature of Inspector/Project Monitor: _____ Date: 18 August 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

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Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

ASBESTOS ABATEMENT MONITORING DAILY CHECKLIST & LOG OF EVENTS

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 18 August 01	

REMOVAL CONTRACTOR: Hillian **CONTRACTOR SUPERVISOR:** Silvio Argueta		**MONITORING CONTRACTOR:** INDUSTRIAL HYGIENE TECHNOLOGIES, INC.	
TIME ON SITE: 0630	**TIME OFF SITE:** unknown	**TIME ON SITE:** 0630	**TIME OFF SITE:** 1430
ABATEMENT SCOPE OF WORK: Demolition, Decontamination w/ possible TSI removal			
GENERAL SHIFT WORK PLAN: (10) Mini-Containments w/ Non-ACM demolition & ACM decontamination			
TYPE AND QUANTITY OF ASBESTOS REMOVED THIS SHIFT: N/A			

OSHA ACTIVITY CLASSIFICATION	CLASS I	X	CLASS II		CLASS III		CLASS IV	

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	PROBLEMS ENCOUNTERED
WORK SITE ISOLATION	BARRIER TAPE	N/A	
	FULL CONTAINMENT	Mini(s)	
	NEGATIVE PRESSURE -0.02 MINIMUM	X	
	FOUR AIR CHANGES PER HOUR	X	
	FLOOR COVERED	X	
	WALLS COVERED	X	
	CRITICAL BARRIERS INTACT	X	
	AREA VENTILATION OFF & VENTS COVERED	X	
	NEGATIVE PRESSURE GLOVEBAG USED	N/A	
SIGNAGE	CAUTION SIGNS AT STAGING AREA	X	
	OSHA SIGN (ASBESTOS) AT ENTRANCES TO WORK AREA	X	
	WASTE CONTAINERS LABELED PER NESHAP & GENERATOR	X	
	HVAC TAG OUT	X	
MARK W/ X - EXPLAIN IN NOTES, MARK N/A IF NOT REQUIRED/UTILIZED, EXPLAIN DEVIATIONS IN LOG			

Signature of Inspector/Project Monitor: _____ Date: 18 August 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

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PROJECT: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 18 August 01	

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	PROBLEMS ENCOUNTERED
WORK PRACTICES	HIGH-SPEED TOOLS, COMPRESSED AIR, DRY SWEEPING, SHOVELING, EMPLOYEE ROTATION NOT IN USE	X	
	REMOVED MATERIAL PROPERLY BAGGED	X	
	WASTE REMOVED PRIOR TO SHIFT END	X	
	HEPA VACUUM IN USE	X	
	MATERIAL KEPT WET / USE OF WET METHODS	X	
	AIRLESS SPRAYER IN USE	X (Hudson Sprayer)	
	OSHA COMPLIANT GLOVEBAG PROCEDURE	N/A	
WORKER PROTECTION	DISPOSABLE CLOTHING USED ONCE	X	
	PROPER NIOSH RESPIRATORS TYPE RESPIRATOR:_____ FILTER: ½ Face APR P-100	X	
	PROPER DECON SEQUENCE FOLLOWED	X	
SHOWERS	FUNCTIONING	N/A	
	HOT AND COLD RUNNING WATER	N/A	
	USED EACH DEPARTURE	X	
	WATER COLLECTED & FILTERED PROPERLY	X	
WORK HABITS IN WORK AREA	NO SMOKING, EATING OR DRINKING IN THE WORK AREA	X	
DOCUMENTS	NOTIFICATION, PERMIT, ABATEMENT PLAN, CONTRACTOR LICENSE, SUPERVISOR LICENSE, WORKER LICENSE, TRAINING, & MEDICAL, FIT TEST DOCUMENTATION ON SITE AND IN ORDER	X	
MARK W/ X - EXPLAIN IN NOTES, MARK N/A IF NOT REQUIRED/UTILIZED, EXPLAIN DEVIATIONS IN LOG			

Signature of Inspector/Project Monitor: _____ Date: 18 August 01

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ASBESTOS ABATEMENT MONITORING DAILY CHECKLIST & LOG OF EVENTS

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BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 18 August 01	

DAILY LOG OF EVENTS

Remediation Activities

0630: Hillian on site New Executive Office Building 725 17TH Street NW Washington DC . Silvio Argueta Hillian superintendent informs IHT that Hillian shall be commencing demolition and decontamination operations with the potential for ACM Class I removal operations using Mini-Containments, hand tools, and wet methods. These removal activities are to occur in 8TH Floor Room 8236 Risers 54A - 63A, Mini-Containment work areas A, B, C, D, E, F, G, H, I, & J. Hillian has been contracted to cut out (2) 2'x2' sections of non-ACM plaster wall per riser at the general location of the fittings associated with the Fan Coil Unit within a Mini-Containment. Spray-On Surfacing material is located above the position of the cut and there is the possibility of TSI hard plaster fittings on the elbows. Hillian has been contracted to conduct decontamination operations for Spray-On Surfacing Material Debris and possible TSI fitting removal once the access panels have been cut. All debris to be disposed of as regulated ACM waste in EPA approved landfill.

0645: Hillian workers mobilize and continue prepwork on NEOB: 8TH Floor. Work areas consist of Room 8236: Work Area A - Risers 54A, Work area B - Risers 55A, Work Area C - Risers 56, 57 and 58, Work Area D - Risers 58A, Work Area E - Riser 59 and 59A, Work Area F - Risers 60, Work Area G - Risers 60A, Work Area H - Risers 61, 61A and 62, Work Area I - 62A, and Work Area J - Risers 63 and 63A.

0715 - 0940: Hillian workers commence demolition operations in Areas A(0715), B(0745), C(0745), D(0805), E(0810), F(0840), G(0900), H(0910), I(0925), and J(0940). Once area passed Post-Abatement inspection, Hillian encapsulated areas.

1045-1200: Hillian Break

1215: Hillian workers commence Mini-containment tear down and wall panel placement as Work Areas were cleared by PCM analysis.

1430: Hillian continues containment teardown and wall panel placement.

Sampling

0630: IHT on site to perform area air monitoring and abatement quality control.

0700: IHT began sampling.

1430: IHT completed sampling. IHT off site.

Signature of Inspector/Project Monitor: _____ Date: 18 August 01

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BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
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Inspections

0710-0935: IHT conducts pre-commencement inspection of work areas prior to commencement of work. IHT notes that Hillian has set up a Mini-Containment, with single layer Critical Barrier, Drop Layer of Poly, AFD in operation, & signs in place. Deemed satisfactory Hillian authorized to commence demolition & decontamination operations in Mini-Containments.

0810-1040 IHT conducts pre-sealant inspection of work areas after completion of demolition and removal activities. IHT notes areas are free of visible ACM dust and debris. Hillian authorized to encapsulate work areas.

Comments

ACM Class I demolition and decontamination operations proceeded without incident. PCM air sample analysis performed, IHT reported slightly elevated sample results outside of work areas. These samples were most likely elevated due to the high volume of traffic around the containments, and/or from the sawing of the access panels. Two samples were voided due to power failure.

PCM post abatement air sample analysis performed: IHT reported no elevated sample results. All work area post abatement samples reported airborne fiber concentration levels below 0.01 fibers/cc. Deemed Satisfactory. IHT authorizes Hillian to tear down work areas.

Signature of Inspector/Project Monitor: _____ Date: 18 August 01

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PROJECT: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 18 August 01	

Microscopist: _____
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-081801-01CT	REM	New Executive Office Building: 9TH FLOOR ADJACENT TO ROOM 9222	3.0	3.0	7:00 am	11:27 am	267	801	2.5	<0.004
2534-081801-02CT	REM	New Executive Office Building: 7TH FLOOR ADJACENT TO ROOM 7222	3.0	3.0	7:03 am	11:29 am	266	798	3.0	<0.004
2534-081801-03CT	REM	New Executive Office Building: ADJACENT TO ROOM 8230	5.0	5.0	7:10 am	11:00 am	230	1150	10.0	0.004
2534-081801-04CT	REM	New Executive Office Building: ADJACENT TO ROOM 8218	5.0	5.0	7:10 am	11:00 am	230	1150	7.5	0.003
2534-081801-07CT	STA	New Executive Office Building: INSIDE WORK AREA A	3.0	3.0	7:15 am	8:15 am	60	180	100/30	0.910
2534-081801-08CT	DCON	New Executive Office Building: INSIDE DECON OF WORK AREA A	10.0	10.0	7:15 am	8:15 am	60	600	100/90	0.091

Signature of Inspector/Project Monitor: _____ Date: 18 August 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

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Microscopist: _____
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-081801-09CT	CB	New Executive Office Building: ADJACENT TO WORK AREA A	10.0	10.0	7:15 am	8:15 am	60	600	6.5	<0.006
2534-081801-10CT	STA	New Executive Office Building: INSIDE WORK AREA B	3.0	3.0	7:35 am	8:25 am	50	150	100/42	0.778
2534-081801-11CT	DCON	New Executive Office Building: INSIDE DECON OF WORK AREA B	10.0	10.0	7:35 am	8:25 am	50	500	22.5	0.022
2534-081801-12CT	CB	New Executive Office Building: ADJACENT TO WORK AREAS B AND C	10.0	10.0	7:38 am	8:50 am	72	720	19.5	0.013
2534-081801-13CT	STA	New Executive Office Building: INSIDE WORK AREA C	3.0	3.0	7:40 am	8:50 am	70	210	101/48	0.491
2534-081801-14CT	DCON	New Executive Office Building: INSIDE DECON OF WORK AREA C	10.0	10.0	7:40 am	8:50 am	70	700	16.5	0.012

Signature of Inspector/Project Monitor: _____ Date: 18 August 01

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Microscopist: _____
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-081801-15CT	STA	New Executive Office Building: INSIDE WORK AREA D	3.0	3.0	7:55 am	9:00 am	65	195	100.5/45	0.561
2534-081801-16CT	DCON	New Executive Office Building: INSIDE DECON OF WORK AREA D	10.0	10.0	7:55 am	9:00 am	65	650	27.5	0.021
2534-081801-17CT	CB	New Executive Office Building: ADJACENT TO WORK AREA D	10.0	10.0	7:55 am	9:00 am	65	650	11.5	0.009
2534-081801-18CT	STA	New Executive Office Building: INSIDE WORK AREA E	3.0	3.0	8:10 am	9:15 am	65	195	100/38	0.661
2534-081801-19CT	DCON	New Executive Office Building: INSIDE DECON OF WORK AREA E	10.0	10.0	8:10 am	9:15 am	65	650	78.5	0.059
2534-081801-20CT	CB	New Executive Office Building: ADJACENT TO WORK AREA E	10.0	10.0	8:10 am	9:15 am	65	650	4.5	<0.005

Signature of Inspector/Project Monitor: _____ Date: 18 August 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

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Microscopist: _____ (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-081801-21CT	STA	New Executive Office Building: INSIDE WORK AREA F	3.0	3.0	8:30 am	9:20 am	50	150	76.0	0.248
2534-081801-22CT	DCON	New Executive Office Building: INSIDE DECON OF WORK AREA F	10.0	10.0	8:30 am	9:20 am	50	500	9.5	0.009
2534-081801-23CT	CB	New Executive Office Building: ADJACENT TO WORK AREA F	10.0	10.0	8:30 am	9:20 am	50	500	4.0	<0.007
2534-081801-24CT	STA	New Executive Office Building: INSIDE WORK AREA G	3.0	3.0	8:50 am	9:45 am	55	165	101/92	0.326
2534-081801-25CT	DCON	New Executive Office Building: INSIDE DECON OF WORK AREA G	10.0	10.0	8:50 am	9:45 am	55	550	7.5	0.007
2534-081801-26CT	CB	New Executive Office Building: ADJACENT TO WORK AREA G	10.0	10.0	8:50 am	9:45 am	55	550	6.0	<0.006

Signature of Inspector/Project Monitor: _____ Date: 18 August 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

7220-U Telegraph Square Drive, Lorton, Virginia 22079 (703) 541-9015, Fax (703) 541-9019

Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

ASBESTOS ABATEMENT MONITORING DAILY CHECKLIST & LOG OF EVENTS

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 18 August 01	

Microscopist: _____ (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-081801-27CT	STA	New Executive Office Building: INSIDE WORK AREA H	3.0	3.0	9:05 am	10:20 am	75	225	102/86	0.258
2534-081801-28CT	DCON	New Executive Office Building: INSIDE DECON OF WORK AREA H	10.0	10.0	9:05 am	10:20 am	75	750	13.5	0.009
2534-081801-29CT	CB	New Executive Office Building: ADJACENT TO WORK AREA H	10.0	10.0	9:05 am	10:20 am	75	750	8.0	0.005
2534-081801-30CT	STA	New Executive Office Building: INSIDE WORK AREA I	3.0	3.0	9:20 am	10:20 am	60	180	101.5/40	0.691
2534-081801-31CT	DCON	New Executive Office Building: INSIDE DECON OF WORK AREA I	10.0	10.0	9:20 am	N/A			VOID	VOID
2534-081801-32CT	CB	New Executive Office Building: ADJACENT TO WORK AREA I	10.0	10.0	9:20 am	N/A			VOID	VOID

Signature of Inspector/Project Monitor: _____ Date: 18 August 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

7220-U Telegraph Square Drive, Lorton, Virginia 22079 (703) 541-9015, Fax (703) 541-9019

ASBESTOS ABATEMENT MONITORING DAILY CHECKLIST & LOG OF EVENTS

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 18 August 01	

Microscopist: _____
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-081801-33CT	STA	New Executive Office Building: INSIDE WORK AREA J	3.0	3.0	9:30 am	10:40 am	70	210	100/35	0.667
2534-081801-34CT	DCON	New Executive Office Building: INSIDE DECON OF WORK AREA J	10.0	10.0	9:30 am	10:40 am	70	700	42.5	0.030
2534-081801-35CT	CB	New Executive Office Building: ADJACENT TO WORK AREA J	10.0	10.0	9:30 am	10:40 am	70	700	6.5	<0.005

Signature of Inspector/Project Monitor: _____ Date: 18 August 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

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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. Galen Green/Project Manager	WPW		
2.			
3.			
4.			
5.			

	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-Containing Material (ACM) Removal Monitoring Report **(8/17-18/01)**
Fan Coil Unit Replacement Project
NEOB (DC0105ZZ)
725 17th Street, NW
Washington, DC

The Safety, Environment and Fire Protection Branch has reviewed the attached asbestos-containing material (ACM) removal monitoring report for the project referenced above. I am forwarding a copy of the report for you to retain in your facility/project records.

Should you have questions concerning the report, please feel free to contact me at (202) 708-5257.

Thank you,

Attachment(s)

NAME/TITLE	CORRES. SYMBOL	BUILDING ROOM NO.
	WPYG	ROB Room 2080
Timothy Sleeth Industrial Hygienist	TELEPHONE NO. (202) 708-5257	DATE 01/15/02

GENERAL SERVICES ADMINISTRATION **GSA** FORM **14** (REV. 04-91)

Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

2486
AC01052Z
T. Sleeth/WPYG
1-14-02
cc: WPW

ABATEMENT FINAL INSPECTION CHECKLIST & LOG

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

REMOVAL CONTRACTOR: Hillian **CONTRACTOR SUPERVISOR:** Silvio Argueta		**MONITORING CONTRACTOR:** INDUSTRIAL HYGIENE TECHNOLOGIES, INC.	
		TIME START: 0615	**TIME COMPLETE:**
ABATEMENT SCOPE OF WORK: Demolition, Decontamination w/ possible TSI removal			
TYPE OF ASBESTOS MATERIAL ABATED	N/A	**QTY. OF ASBESTOS MATERIAL ABATED**	N/A

OSHA ACTIVITY CLASSIFICATION	CLASS I	X	CLASS II		CLASS III		CLASS IV	

DESCRIBE SPECIFIC WORK AREA INSPECTED: NEOB: 8TH Floor Room 8017 to 8025 Risers 9A-17A, Mini-Containment Work Area's A, B, C, D, E, F, G, H, & I and NEOB: 5TH Floor Room 5011 Risers 7A Mini-Containment Work Area J

TOTAL SQUARE FOOTAGE OF WORK AREA: 10 Mini-Containments (J- 20ft²)((I -20ft²) (H- 20ft²) (G- 20ft²)(F- 20ft²) (E -20ft²) (D- 20ft²) (C -20ft²) (B- 60ft²) (A- 20ft²)

FINAL CLEARANCE (AHERA, PCM, NIOSH 7402, AGGRESSIVE): PCM

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	PROBLEMS ENCOUNTERED
Residual Dust / Debris	Floor	YES	
	Horizontal Surfaces	YES	
	Pipes	YES	
	Ventilation Equip.	YES	
	Ductwork	N/A	
	Registers	N/A	
	Lights	N/A	
	Other	N/A	

(The above questions are to be answered "YES" or "Problem Encountered Noted".)

See **Asbestos Abatement Monitoring Checklist and Log of Events- Daily Log of Events** for details concerning project.

Note: IHT received direction to conduct PCM final clearance on NEOB Fan Coil Replacement project from GSA IH Tim Sleeth. GSA states that the project is classified as an O&M project and not subject to NESHAP quantities.

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

7220-U Telegraph Square Drive, Lorton, Virginia 22079 (703) 541-9015, Fax (703) 541-9019

Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

PCM SAMPLE LOG

Microscopist: _____
(sign)

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-061601-38RR	POST	New Executive Office Building: Room 8025 adj to Riser 17A, Work Area A inside Mini-Containment	10.0	10.0	10:05 AM	12:05 PM	120	1200	3.0	0.003
2534-061601-39RR	POST	New Executive Office Building: Room 8025 adj to Riser 17A, Work Area A inside Mini-Containment	10.0	10.0	10:05 AM	12:05 PM	120	1200	2.5	0.003
2534-061601-40RR	POST	New Executive Office Building: Room 8025 adj to Riser 16A, Work Area B inside Mini-Containment	10.0	10.0	10:09 AM	12:09 PM	120	1200	5.0	0.003

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

ABATEMENT FINAL INSPECTION CHECKLIST & LOG

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

Microscopist:_____ (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-061601-41RR	POST	New Executive Office Building: Room 8025 adj to Riser 16A, Work Area B inside Mini-Containment	10.0	10.0	10:09 AM	12:09 PM	120	1200	6.0	0.003
2534-061601-42RR	POST	New Executive Office Building: Room 8025 adj to Riser 16A-13A Work Area C inside Mini-Containment	10.0	10.0	10:05 AM	12:05 PM	120	1200	2.5	0.003
2534-061601-43RR	POST	New Executive Office Building: Room 8025 adj to Riser 16A-13A Work Area C inside Mini-Containment	10.0	10.0	10:05 AM	12:05 PM	120	1200	1.0	0.003

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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ABATEMENT FINAL INSPECTION CHECKLIST & LOG

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

Microscopist: _____
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-061601-44RR	POST	New Executive Office Building: Room 8025 adj to Riser 12A Work Area D inside Mini-Containment	10.0	10.0	11:27 AM	1:27 PM	120	1200	4.0	0.003
2534-061601-45RR	POST	New Executive Office Building: Room 8025 adj to Riser 12A Work Area D inside Mini-Containment	10.0	10.0	11:27 AM	1:27 PM	120	1200	3.0	0.003
2534-061601-46RR	POST	New Executive Office Building: Room 8025 adj to Riser 12A Work Area E inside Mini-Containment	10.0	10.0	11:29 AM	1:29 PM	120	1200	5.0	0.003

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

ABATEMENT FINAL INSPECTION CHECKLIST & LOG

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

Microscopist:_____
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-061601-47RR	POST	New Executive Office Building: Room 8025 adj to Riser 12A Work Area E inside Mini-Containment	10.0	10.0	11:29 AM	1:29 PM	120	1200	2.5	0.003
2534-061601-48RR	POST	New Executive Office Building: Room 8025 adj to Riser 11A Work Area F inside Mini-Containment	10.0	10.0	11:31 AM	1:31 PM	120	1200	1.5	0.003
2534-061601-49RR	POST	New Executive Office Building: Room 8025 adj to Riser 11A Work Area F inside Mini-Containment	10.0	10.0	11:31 AM	1:31 PM	120	1200	0.5	0.003

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

7220-U Telegraph Square Drive, Lorton, Virginia 22079 (703) 541-9015, Fax (703) 541-9019

Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

ABATEMENT FINAL INSPECTION CHECKLIST & LOG

CLIENT: GSA, NCR, SDS, WPYG	**ORDER NUMBER: P-11-01-DC-0101**	**CONTRACT NUMBER: GS11P00MQD0098**	**ACT NUMBER: PO2642534**
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

Microscopist: _____
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-061601-50RR	POST	New Executive Office Building: Room 8021 adj to Riser 10A Work Area G inside Mini-Containment	10.0	10.0	12:36 PM	2:36 PM	120	1200	8.0	0.003
2534-061601-51RR	POST	New Executive Office Building: Room 8021 adj to Riser 10A Work Area G inside Mini-Containment	10.0	10.0	12:36 PM	2:36 PM	120	1200	5.0	0.003
2534-061601-52RR	POST	New Executive Office Building: Room 8019 adj to Riser 9A Work Area H inside Mini-Containment	10.0	10.0	12:38 PM	2:38 PM	120	1200	7.5	0.003
2534-061601-53RR	POST	New Executive Office Building: Room 8019 adj to Riser 9A Work Area H inside Mini-Containment	10.0	10.0	12:38 PM	2:38 PM	120	1200	9.5	0.004

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

7220-U Telegraph Square Drive, Lorton, Virginia 22079 (703) 541-9015, Fax (703) 541-9019

Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

ABATEMENT FINAL INSPECTION CHECKLIST & LOG

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

Microscopist: _____
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-061601-54RR	POST	New Executive Office Building: Room 8017 adj to Riser 9A Work Area I inside Mini-Containment	10.0	10.0	12:41 PM	2:41 PM	120	1200	6.0	0.003
2534-061601-55RR	POST	New Executive Office Building: Room 8017 adj to Riser 9A Work Area I inside Mini-Containment	10.0	10.0	12:41 PM	2:41 PM	120	1200	4.5	0.003
2534-061601-56RR	POST	New Executive Office Building: Room 5011 adj to Riser 7A Work Area J inside Mini-Containment	10.0	10.0	3:01 PM	5:01 PM	120	1200	6.0	0.003
2534-061601-57RR	POST	New Executive Office Building: Room 5011 adj to Riser 7A Work Area J inside Mini-Containment	10.0	10.0	3:01 PM	5:01 PM	120	1200	5.5	0.003

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

7220-U Telegraph Square Drive, Lorton, Virginia 22079 (703) 541-9015, Fax (703) 541-9019

Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

ASBESTOS ABATEMENT MONITORING DAILY CHECKLIST & LOG OF EVENTS

CLIENT: GSA, NCR, SDS, WPYG	**ORDER NUMBER: P-11-01-DC-0101**	**CONTRACT NUMBER: GS11P00MQD0098**	**ACT NUMBER: PO2642534**
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

REMOVAL CONTRACTOR: Hillian **CONTRACTOR SUPERVISOR:** Silvio Argueta		**MONITORING CONTRACTOR:** INDUSTRIAL HYGIENE TECHNOLOGIES, INC.	
TIME ON SITE: 0630	**TIME OFF SITE:** 1730	**TIME ON SITE:** 0615	**TIME OFF SITE: 1730**
ABATEMENT SCOPE OF WORK: Demolition, Decontamination w/ TSI removal			
GENERAL SHIFT WORK PLAN: (10) Mini-Containments w/ Non-ACM demolition & ACM decontamination			
TYPE AND QUANTITY OF ASBESTOS REMOVED THIS SHIFT: (21) ACM Hard Plaster Fitting on Elbows			

OSHA ACTIVITY CLASSIFICATION	**CLASS I**	**X**	**CLASS II**		**CLASS III**	**X**	**CLASS IV**	

INSPECTION CATEGORY	**ACTIVITY TO BE CHECKED**	**WITHIN LIMITS**	**PROBLEMS ENCOUNTERED**
WORK SITE ISOLATION	BARRIER TAPE	N/A	
	FULL CONTAINMENT	Mini(s)	
	NEGATIVE PRESSURE -0.02 MINIMUM	X	
	FOUR AIR CHANGES PER HOUR	X	
	FLOOR COVERED	X	
	WALLS COVERED	X	
	CRITICAL BARRIERS INTACT	X	
	AREA VENTILATION OFF & VENTS COVERED	X	
	NEGATIVE PRESSURE GLOVEBAG USED	N/A	
SIGNAGE	CAUTION SIGNS AT STAGING AREA	X	
	OSHA SIGN (ASBESTOS) AT ENTRANCES TO WORK AREA	X	
	WASTE CONTAINERS LABELED PER NESHAP & GENERATOR	X	
	HVAC TAG OUT	X	
MARK W/ X - EXPLAIN IN NOTES, MARK N/A IF NOT REQUIRED/UTILIZED, EXPLAIN DEVIATIONS IN LOG			

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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Industrial Hygiene Tec_ ologies, Inc.
Environmental & Industrial Hygiene Consultants

ASBESTOS ABATEMENT MONITORING DAILY CHECKLIST & LOG OF EVENTS

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	PROBLEMS ENCOUNTERED
WORK PRACTICES	HIGH-SPEED TOOLS, COMPRESSED AIR, DRY SWEEPING, SHOVELING, EMPLOYEE ROTATION NOT IN USE	X	
	REMOVED MATERIAL PROPERLY BAGGED	X	
	WASTE REMOVED PRIOR TO SHIFT END	X	
	HEPA VACUUM IN USE	X	
	MATERIAL KEPT WET / USE OF WET METHODS	X	
	AIRLESS SPRAYER IN USE	X (Hudson Sprayer)	
	OSHA COMPLIANT GLOVEBAG PROCEDURE	N/A	
WORKER PROTECTION	DISPOSABLE CLOTHING USED ONCE	X	
	PROPER NIOSH RESPIRATORS TYPE RESPIRATOR:_____ FILTER: ½ Face APR P-100	X	
	PROPER DECON SEQUENCE FOLLOWED	X	
SHOWERS	FUNCTIONING	N/A	
	HOT AND COLD RUNNING WATER	N/A	
	USED EACH DEPARTURE	X	
	WATER COLLECTED & FILTERED PROPERLY	X	
WORK HABITS IN WORK AREA	NO SMOKING, EATING OR DRINKING IN THE WORK AREA	X	
DOCUMENTS	NOTIFICATION, PERMIT, ABATEMENT PLAN, CONTRACTOR LICENSE, SUPERVISOR LICENSE, WORKER LICENSE, TRAINING, & MEDICAL, FIT TEST DOCUMENTATION ON SITE AND IN ORDER	X	
MARK W/ X - EXPLAIN IN NOTES, MARK N/A IF NOT REQUIRED/UTILIZED, EXPLAIN DEVIATIONS IN LOG			

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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ASBESTOS ABATEMENT MONITORING DAILY CHECKLIST & LOG OF EVENTS

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

DAILY LOG OF EVENTS

Remediation Activities

0615: Hillian on site New Executive Office Building 725 17TH Street NW Washington DC . Silvio Argueta, Hillian superintendent informs IHT that Hillian shall be commencing demolition and decontamination operations with the potential for ACM Class I removal operations using Mini-Containments, hand tools, and wet methods. These removal activities are to occur in NEOB: 8TH Floor Room 8017 to 8025 Risers 9A-17A, Mini-Containment Work Area's A, B, C, D, E, F, G, H, & I and NEOB: 5TH Floor Room 5011 Risers 7A Mini-Containment Work Area J. Hillian has been contracted to cut out (16) 2'x2' sections of non-ACM plaster wall per riser at the general location of the fittings associated with the Fan Coil Unit with a Mini-Containment. Spray-On Surfacing material is located above the position of the cut and there is the possibility of TSI hard plaster fittings on the elbows. Hillian has been contracted to conduct decontamination operations for Spray-On Surfacing Material Debris and possible TSI fitting removal once the access panels have been cut. All debris to be disposed of as regulated ACM waste in EPA approved landfill.

0645: Hillian workers mobilize and continue prepwork in NEOB: 8TH Floor Room 8017 to 8025 Risers 9A-17A, Mini-Containment Work Area's A, B, C, D, E, F, G, H, & I and NEOB: 5TH Floor Room 5011 Risers 7A Mini-Containment Work Area J.

0730: Hillian workers commence demolition operations in NEOB: 8TH Floor Room 8017 to 8025 Risers 9A-17A, Mini-Containment Work Area's A, B, & C.

0930: Hillian workers commence demolition operations in NEOB: 8TH Floor Room 8017 to 8025 Risers 9A-17A, Mini-Containment Work Area's D, E, & F.

1015: Hillian workers commence demolition operations in NEOB: 8TH Floor Room 8017 to 8025 Risers 9A-17A, Mini-Containment Work Area's G, H, & I. Hillian to conduct demolition operations in NEOB: 5TH Floor Room 5011 Risers 7A Mini-Containment Work Area J after Hillian Break.

1130: Hillian workers complete demolition and decontamination operations in NEOB: 8TH Floor Room 8017 to 8025 Risers 9A-17A, Mini-Containment Work Area's A, B, C, D, E, F, G, H, & I. Hillian informs IHT that Hillian encountered a total of (21) TSI fittings.

1200-1300: Hillian Break

1300: Hillian workers commence demolition operations in NEOB: 5TH Floor Room 5011 Risers 7A Mini-Containment Work Area J.

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

7220-U Telegraph Square Drive, Lorton, Virginia 22079 (703) 541-9015, Fax (703) 541-9019

ASBESTOS ABATEMENT MONITORING DAILY CHECKLIST & LOG OF EVENTS

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

1400: Hillian workers complete demolition and decontamination operations in NEOB: 5TH Floor Room 5011 Risers 7A Mini-Containment Work Area J. Hillian informs IHT that Hillian encountered no TSI fittings.

1530: Hillian departed the site.

Sampling

0615: IHT on site to perform area air monitoring and abatement quality control.

0700: IHT began sampling.

1530: IHT completed sampling. IHT off site.

Inspections

0725-1300: IHT conducts pre-commencement inspection of NEOB: 8TH Floor Room 8017 to 8025 Risers 9A-17A, Mini-Containment Work Area's A, B, C, D, E, F, G, H, & I and NEOB: 5TH Floor Room 5011 Risers 7A Mini-Containment Work Area J. IHT notes that Hillian has set up a Mini-Containment, with single layer Critical Barrier, Drop Layer of Poly, AFD in operation, signs & DCON bucket in place. Deemed satisfactory Hillian authorized to commence demolition & decontamination operations in NEOB: 8TH Floor Room 8017 to 8025 Risers 9A-17A, Mini-Containment Work Area's A, B, C, D, E, F, G, H, & I and NEOB: 5TH Floor Room 5011 Risers 7A Mini-Containment Work Area J.

0925-1400: IHT conduct pre-sealant inspection of NEOB: 8TH Floor Room 8017 to 8025 Risers 9A-17A, Mini-Containment Work Area's A, B, C, D, E, F, G, H, & I and NEOB: 5TH Floor Room 5011 Risers 7A Mini-Containment Work Area J. IHT notes area free of visible ACM dust and debris. Hillian supervisor informs IHT that Hillian workers encountered (21) TSI fittings. Deemed satisfactory. Hillian authorized to encapsulate work area.

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

7220-U Telegraph Square Drive, Lorton, Virginia 22079 (703) 541-9015, Fax (703) 541-9019

ASBESTOS ABATEMENT MONITORING DAILY CHECKLIST & LOG OF EVENTS

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

Comments

ACM Class I demolition and decontamination operations in proceeded without incident. PCM air sample analysis preformed: IHT reported no elevated sample results: All area samples outside NEOB: 8TH Floor Room 8017 to 8025 Risers 9A-17A, Mini-Containment Work Area's A, B, C, D, E, F, G, H, & I and NEOB: 5TH Floor Room 5011 Risers 7A Mini-Containment Work Area J reported airborne fiber concentration levels below 0.01 fibers/cc.

PCM post abatement air sample analysis preformed: IHT reported no elevated sample results: All area samples inside NEOB: 8TH Floor Room 8017 to 8025 Risers 9A-17A, Mini-Containment Work Area's A, B, C, D, E, F, G, H, & I and NEOB: 5TH Floor Room 5011 Risers 7A Mini-Containment Work Area J reported airborne fiber concentration levels below 0.01 fibers/cc. Deemed Satisfactory. IHT authorizes Hillian to tear down NEOB: 8TH Floor Room 8017 to 8025 Risers 9A-17A, Mini-Containment Work Area's A, B, C, D, E, F, G, H, & I and NEOB: 5TH Floor Room 5011 Risers 7A Mini-Containment Work Area J.

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

Microscopist: _____
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers/ 100 fields	Fibers/ cc
			on	off	on	off				
2534-061601-01RR	REM	New Executive Office Building: Hall adj to Room 8105	5.0	5.0	7:24 AM	11:34 AM	250	1250	5.0	0.003
2534-061601-02RR	REM	New Executive Office Building: Hall adj to Room 5115	10.0	10.0	12:44 PM	2:09 PM	85	850	2.0	0.004
2534-061601-03RR	REM	New Executive Office Building: Room 7017	3.0	3.0	7:13 AM	11:16 AM	243	729	0.5	0.005
2534-061601-04RR	REM	New Executive Office Building: Room 6015	3.0	3.0	7:13 AM	11:21 AM	248	744	0.0	0.005
2534-061601-05RR	DCON	New Executive Office Building: Room 8025 adj to Riser 17A, Work Area A DCON Clean Room	10.0	10.0	7:20 AM	9:15 AM	115	1150	15.0	0.006

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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ASBESTOS ABATEMENT MONITORING DAILY CHECKLIST & LOG OF EVENTS

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

Microscopist: _____
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers/ 100 fields	Fibers/ cc
			on	off	on	off				
2534-061601-06RR	CB	New Executive Office Building: Room 8025 adj to Riser 17A, Work Area A critical barrier adj to DCON	10.0	10.0	7:20 AM	9:16 AM	116	1160	12.5	0.005
2534-061601-07RR	STA	New Executive Office Building: Room 8025 adj to Riser 17A, Work Area A inside Mini-Containment	3.0	3.0	7:14 AM	9:18 AM	124	372	22.0	0.029
2534-061601-08RR	DCON	New Executive Office Building: Room 8025 adj to Riser 16A, Work Area B DCON Clean Room	10.0	10.0	7:22 AM	9:08 AM	106	1060	19.5	0.009
2534-061601-09RR	CB	New Executive Office Building: Room 8025 adj to Riser 16A, Work Area B critical barrier adj to DCON	10.0	10.0	7:22 AM	9:08 AM	106	1060	16.0	0.007

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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ASBESTOS ABATEMENT MONITORING DAILY CHECKLIST & LOG OF EVENTS

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

Microscopist: _____ (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers/ 100 fields	Fibers/ cc
			on	off	on	off				
2534-061601-10RR	STA	New Executive Office Building: Room 8025 adj to Riser 16A, Work Area B inside Mini-Containment	3.0	3.0	7:14 AM	9:10 AM	116	348	26.5	0.037
2534-061601-11RR	DCON	New Executive Office Building: Room 8025 adj to Riser 16A-13A Work Area C DCON Clean Room	10.0	10.0	7:25 AM	9:11 AM	106	1060	14.5	0.007
2534-061601-12RR	CB	New Executive Office Building: Room 8025 adj to Riser 16A-13A Work Area C critical barrier adj to DCON	10.0	10.0	7:25 AM	9:11 AM	106	1060	12.0	0.006
2534-061601-13RR	STA	New Executive Office Building: Room 8025 adj to Riser 16A-13A Work Area C inside Mini-Containment	3.0	3.0	7:14 AM	9:12 AM	118	354	Particle Overload	Sample Void

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

ASBESTOS ABATEMENT MONITORING DAILY CHECKLIST & LOG OF EVENTS

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

Microscopist: _____ (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers/ 100 fields	Fibers/ cc
			on	off	on	off				
2534-061601-14RR	DCON	New Executive Office Building: Room 8025 adj to Riser 12A Work Area D DCON Clean Room	10.0	10.0	9:21 AM	10:32 AM	71	710	10.0	0.007
2534-061601-15RR	CB	New Executive Office Building: Room 8025 adj to Riser 12A Work Area D critical barrier adj to DCON	10.0	10.0	9:21 AM	10:32 AM	71	710	4.0	0.005
2534-061601-16RR	STA	New Executive Office Building: Room 8025 adj to Riser 12A Work Area D inside Mini-Containment	3.0	3.0	7:14 AM	10:34 AM	200	600	36.5	0.030
2534-061601-17RR	DCON	New Executive Office Building: Room 8025 adj to Riser 12A Work Area E DCON Clean Room	10.0	10.0	9:25 AM	10:36 AM	71	710	12.0	0.008

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

ASBESTOS ABATEMENT MONITORING DAILY CHECKLIST & LOG OF EVENTS

CLIENT: GSA, NCR, SDS, WPYG	**ORDER NUMBER: P-11-01-DC-0101**	**CONTRACT NUMBER: GS11P00MQD0098**	**ACT NUMBER: PO2642534**
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

Microscopist: _____
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers/ 100 fields	Fibers/ cc
			on	off	on	off				
2534-061601-18RR	CB	New Executive Office Building: Room 8025 adj to Riser 12A Work Area E critical barrier adj to DCON	10.0	10.0	9:25 AM	10:36 AM	71	710	7.5	0.005
2534-061601-19RR	STA	New Executive Office Building: Room 8025 adj to Riser 12A Work Area E inside Mini-Containment	3.0	3.0	7:14 AM	10:37 AM	203	609	43.5	0.035
2534-061601-20RR	DCON	New Executive Office Building: Room 8025 adj to Riser 11A Work Area F DCON Clean Room	10.0	10.0	9:27 AM	10:40 AM	73	730	11.5	0.008
2534-061601-21RR	CB	New Executive Office Building: Room 8025 adj to Riser 11A Work Area F critical barrier adj to DCON	10.0	10.0	9:27 AM	10:40 AM	73	730	9.0	0.006

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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Industrial Hygiene Technologies, Inc.
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ASBESTOS ABATEMENT MONITORING DAILY CHECKLIST & LOG OF EVENTS

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

Microscopist: _____
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers/ 100 fields	Fibers/ cc
			on	off	on	off				
2534-061601-22RR	STA	New Executive Office Building: Room 8025 adj to Riser 11A Work Area F inside Mini-Containment	3.0	3.0	7:15 AM	10:41 AM	206	618	51.5	0.041
2534-061601-23RR	DCON	New Executive Office Building: Room 8021 adj to Riser 10A Work Area G DCON Clean Room	10.0	10.0	9:45 AM	11:20 AM	95	950	17.0	0.009
2534-061601-24RR	CB	New Executive Office Building: Room 8021 adj to Riser 10A Work Area G critical barrier adj to DCON	10.0	10.0	9:45 AM	11:20 AM	95	950	14.5	0.007
2534-061601-25RR	STA	New Executive Office Building: Room 8021 adj to Riser 10A Work Area G inside Mini-Containment	3.0	3.0	9:31 AM	11:26 AM	115	345	54.0	0.077

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

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Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

ASBESTOS ABATEMENT MONITORING DAILY CHECKLIST & LOG OF EVENTS

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

Microscopist: _____ (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers/ 100 fields	Fibers/ cc
			on	off	on	off				
2534-061601-26RR	DCON	New Executive Office Building: Room 8019 adj to Riser 9A Work Area H DCON Clean Room	10.0	10.0	10:15 AM	11:25 AM	70	700	13.0	0.009
2534-061601-27RR	CB	New Executive Office Building: Room 8019 adj to Riser 9A Work Area H critical barrier adj to DCON	10.0	10.0	10:15 AM	11:25 AM	70	700	7.0	0.005
2534-061601-28RR	STA	New Executive Office Building: Room 8019 adj to Riser 9A Work Area H inside Mini-Containment	3.0	3.0	9:31 AM	11:28 AM	117	351	28.5	0.040
2534-061601-29RR	DCON	New Executive Office Building: Room 8017 adj to Riser 9A Work Area I DCON Clean Room	10.0	10.0	10:17 AM	11:27 AM	70	700	10.5	0.007

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

ASBESTOS ABATEMENT MONITORING DAILY CHECKLIST & LOG OF EVENTS

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

Microscopist: _____ (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers/ 100 fields	Fibers/ cc
			on	off	on	off				
2534-061601-30RR	CB	New Executive Office Building: Room 8017 adj to Riser 9A Work Area I critical barrier adj to DCON	10.0	10.0	10:17 AM	11:27 AM	70	700	8.0	0.006
2534-061601-31RR	STA	New Executive Office Building: Room 8017 adj to Riser 9A Work Area I inside Mini-Containment	3.0	3.0	9:31 AM	11:29 AM	118	354	39.0	0.054
2534-061601-32RR	DCON	New Executive Office Building: Room 5011 adj to Riser 7A Work Area J DCON Clean Room	10.0	10.0	12:41 PM	2:04 PM	83	830	11.5	0.007
2534-061601-33RR	CB	New Executive Office Building: Room 5011 adj to Riser 7A Work Area J critical barrier adj to DCON	10.0	10.0	12:41 PM	2:04 PM	83	830	9.0	0.005

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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ASBESTOS ABATEMENT MONITORING DAILY CHECKLIST & LOG OF EVENTS

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

Microscopist: _____ (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers/ 100 fields	Fibers/ cc
			on	off	on	off				
2534-061601-34RR	STA	New Executive Office Building: Room 5011 adj to Riser 7A Work Area J inside Mini-Containment	3.0	3.0	10:47 AM	2:02 PM	195	585	40.5	0.034

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

PRE-ABATEMENT CHECKLIST & LOG

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

REMOVAL CONTRACTOR: Hillian **CONTRACTOR SUPERVISOR:** Silvio Argueta		**MONITORING CONTRACTOR:** INDUSTRIAL HYGIENE TECHNOLOGIES, INC.	
		TIME START: 0630	**TIME COMPLETE:** 1730
ABATEMENT SCOPE OF WORK: Prep work for potential Class I removal operations			
TYPE OF ASBESTOS MATERIAL TO BE ABATED	**Category 1 Friable**	**QTY. OF ASBESTOS MATERIAL TO BE ABATED**	Unknown

OSHA ACTIVITY CLASSIFICATION	CLASS I	X	CLASS II		CLASS III	X	CLASS IV	

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	DEVIATION
WORK SITE ISOLATION	BARRIER TAPE TO ISOLATE STAGING AREA AND DECON	N/A	
	FULL CONTAINMENT	MINI	
	NEGATIVE PRESSURE -0.02 MINIMUM	X	
	FOUR AIR CHANGES PER HOUR	X	
	CRITICAL BARRIERS INTACT (DUCTS, WINDOWS, DOORS, ALL PENETRATIONS)	X	
	FLOOR COVERED	X	
	WALLS COVERED	X	
	AREA VENTILATION OFF & VENTS COVERED	X	
	GLOVEBAGS SMOKE TESTED AND FOUND SATISFACTORY	N/A	
SIGNAGE	CAUTION SIGNS AT STAGING AREA	X	
	OSHA SIGN (ASBESTOS) AT ENTRANCES TO WORK AREA	X	
	WASTE CONTAINERS LABELED PER NESHAP & GENERATOR	X	
	HVAC SYSTEM TAGGED OUT	X	
	NO SMOKING, EATING OR DRINKING IN THE WORK AREA	X	
MARK W/ X, MARK NA IF NOT REQUIRED/UTILIZED, EXPLAIN DEVIATIONS IN LOG			

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

PRE-ABATEMENT CHECKLIST & LOG

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	DEVIATION
INSPECTION	HIGH-SPEED ABRASIVE DISC SAWS, COMPRESSED AIR, DRY SWEEPING, SHOVELING, EMPLOYEE ROTATION - NOT TO BE USED	X	
	LABELED WASTE CONTAINERS ON SITE	X	
	HEPA VACUUM FOUND WORKING AND ACCEPTABLE	X	
	ACCESS TO WATER FOR WET METHODS	X	
	AIRLESS SPRAYER WORKING AND IN WORK AREA	X	
WORKER PROTECTION	DISPOSABLE COVERALLS & BOOT COVERS	X	
	PROPER NIOSH RESPIRATORS TYPE RESPIRATOR: ½ face APR FILTER: P-100	X	
	HEAD PROTECTION		NO
	EYE PROTECTION		NO
SHOWERS	FUNCTIONING		N/A
	HOT AND COLD RUNNING WATER		N/A
	WATER COLLECTION / FILTERING DEVICE FUNCTIONAL	X	
WORK HABITS	HOUSE KEEPING - MATERIALS AND EQUIPMENT STORED. LOCKERS AND PERSONAL ITEM CONTAINERS	X	
SAFETY MEETING	COMPETENT PERSON HAS CONDUCTED A SAFETY MEETING	X	
BASELINE MONITORING	BASELINE MONITORING CONDUCTED PRIOR TO START OF PREPARATIONS	X	
PROJECT DESIGN	PROJECT DESIGN ON SITE, AND ALL PREPARATIONS COMPLETED IN ACCORDANCE WITH DESIGN	X	
DOCUMENTS	NOTIFICATION, PERMIT, ABATEMENT PLAN, CONTRACTOR LICENSE, SUPERVISOR LICENSE, WORKER LICENSE, TRAINING, & MEDICAL, FIT TEST DOCUMENTATION ON SITE AND IN ORDER	X	
MARK W/ X, MARK N/A IF NOT REQUIRED/UTILIZED, EXPLAIN DEVIATIONS IN LOG			

See **Asbestos Abatement Monitoring Checklist and Log of Events-** for details concerning project.

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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Industrial Hygiene Technologies, Inc.
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CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 16 June 01	

Microscopist: _____
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-061601-35RR	PRE	New Executive Office Building: Hall adj to Room 5208	10.0	10.0	7:34 AM	9:34 AM	120	1200	6.0	0.003
2534-061601-36RR	PRE	New Executive Office Building: Room 5011 adj to Riser 7A Work Area J inside Mini-Containment	10.0	10.0	7:34 AM	9:34 AM	120	1200	5.0	0.003
2534-061601-37RR	PRE	New Executive Office Building: Room 5011 adj to Riser 7A Work Area J inside Mini-Containment	10.0	10.0	7:34 AM	9:34 AM	120	1200	4.5	0.003

Signature of Inspector/Project Monitor: _____ Date: 16 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

PRE-ABATEMENT CHECKLIST & LOG

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 15 June 01	

REMOVAL CONTRACTOR: Hillian Brothers **CONTRACTOR SUPERVISOR:** Silvio Argueta		**MONITORING CONTRACTOR:** INDUSTRIAL HYGIENE TECHNOLOGIES, INC.	
		TIME START: 1800	**TIME COMPLETE:**2200
ABATEMENT SCOPE OF WORK: Prep work for Class I removal operations			
TYPE OF ASBESTOS MATERIAL TO BE ABATED	**Category 1 Friable**	**QTY. OF ASBESTOS MATERIAL TO BE ABATED**	Unknown

OSHA ACTIVITY CLASSIFICATION	CLASS I	X	CLASS II		CLASS III		CLASS IV	

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	DEVIATION
WORK SITE ISOLATION	BARRIER TAPE TO ISOLATE STAGING AREA AND DECON		X- Prep Work
	FULL CONTAINMENT		X- Prep Work
	NEGATIVE PRESSURE -0.02 MINIMUM		X- Prep Work
	FOUR AIR CHANGES PER HOUR		X- Prep Work
	CRITICAL BARRIERS INTACT (DUCTS, WINDOWS, DOORS, ALL PENETRATIONS)		X- Prep Work
	FLOOR COVERED		X- Prep Work
	WALLS COVERED		X- Prep Work
	AREA VENTILATION OFF & VENTS COVERED		X- Prep Work
	GLOVEBAGS SMOKE TESTED AND FOUND SATISFACTORY		X- Prep Work
SIGNAGE	CAUTION SIGNS AT STAGING AREA		X- Prep Work
	OSHA SIGN (ASBESTOS) AT ENTRANCES TO WORK AREA		X- Prep Work
	WASTE CONTAINERS LABELED PER NESHAP & GENERATOR		X- Prep Work
	HVAC SYSTEM TAGGED OUT		X- Prep Work
	NO SMOKING, EATING OR DRINKING IN THE WORK AREA		X- Prep Work

MARK W/ X, MARK N/A IF NOT REQUIRED/UTILIZED, EXPLAIN DEVIATIONS IN LOG

Signature of Inspector/Project Monitor: _____ Date: 15 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

7220-U Telegraph Square Drive, Lorton, Virginia 22079 (703) 541-9015, Fax (703) 541-9019

PRE-ABATEMENT CHECKLIST & LOG

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 15 June 01	

INSPECTION CATEGORY	ACTIVITY TO BE CHECKED	WITHIN LIMITS	DEVIATION
INSPECTION	HIGH-SPEED ABRASIVE DISC SAWS, COMPRESSED AIR, DRY SWEEPING, SHOVELING, EMPLOYEE ROTATION - NOT TO BE USED		X- Prep Work
	LABELED WASTE CONTAINERS ON SITE		X- Prep Work
	HEPA VACUUM FOUND WORKING AND ACCEPTABLE		X- Prep Work
	ACCESS TO WATER FOR WET METHODS		X- Prep Work
	AIRLESS SPRAYER WORKING AND IN WORK AREA		X- Prep Work
WORKER PROTECTION	DISPOSABLE COVERALLS & BOOT COVERS		X- Prep Work
	PROPER NIOSH RESPIRATORS TYPE RESPIRATOR:_____ FILTER:_____		X- Prep Work
	HEAD PROTECTION		X- Prep Work
	EYE PROTECTION		X- Prep Work
SHOWERS	FUNCTIONING		X- Prep Work
	HOT AND COLD RUNNING WATER		X- Prep Work
	WATER COLLECTION / FILTERING DEVICE FUNCTIONAL		X- Prep Work
WORK HABITS	HOUSE KEEPING - MATERIALS AND EQUIPMENT STORED. LOCKERS AND PERSONAL ITEM CONTAINERS	X	
SAFETY MEETING	COMPETENT PERSON HAS CONDUCTED A SAFETY MEETING	X	
BASELINE MONITORING	BASELINE MONITORING CONDUCTED PRIOR TO START OF PREPARATIONS	X	
PROJECT DESIGN	PROJECT DESIGN ON SITE, AND ALL PREPARATIONS COMPLETED IN ACCORDANCE WITH DESIGN	X	
DOCUMENTS	NOTIFICATION, PERMIT, ABATEMENT PLAN, CONTRACTOR LICENSE, SUPERVISOR LICENSE, WORKER LICENSE, TRAINING, & MEDICAL, FIT TEST DOCUMENTATION ON SITE AND IN ORDER	X	
MARK W/ X, MARK N/A IF NOT REQUIRED/UTILIZED, EXPLAIN DEVIATIONS IN LOG			

Signature of Inspector/Project Monitor: _____ Date: 15 June 01

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PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 15 June 01	

DAILY LOG OF EVENTS

Remediation Activities

1800: Hillian on site New Executive Office Building 725 17TH Street NW Washington DC . Silvio Argueta, Hillian superintendent informs IHT that Hillian shall be commencing prepwork for ACM Class I removal operations using Mini-Containments, hand tools, and wet methods. These removal activities are to occur in NEOB: 8TH Floor Room 8017 to 8025 Risers 9A-17A, Mini-Containment Work Area's A, B, C, D, E, F, G, H, & I and NEOB: 5TH Floor Room 5011 Risers 7A Mini-Containment Work Area J.

1935: Hillian workers mobilize and commence prepwork in NEOB: 8TH Floor Room 8017 to 8025 Risers 9A-17A, Mini-Containment Work Area's A, B, C, D, E, F, G, H, & I.

2130: Hillian workers halt prep work operations. Hillian to return to site tomorrow 6/16/01 @ 6:30AM to continue prepwork operations and commence demolition and decontamination with potential TSI fitting removal.

2200: Hillian departed the site.

Sampling

1815: IHT on site to perform area air monitoring and abatement quality control.

1920: IHT began sampling.

2200: IHT completed sampling. IHT off site.

Inspections

No inspections necessary.

Comments

Hillian Prepwork operations proceeded without incident.

PCM pre abatement air sample analysis preformed: IHT reported no elevated sample results: All area samples reported airborne fiber concentration levels below 0.01 fibers/cc. Deemed Satisfactory.

Signature of Inspector/Project Monitor: _____ Date: 15 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

7220-U Telegraph Square Drive, Lorton, Virginia 22079 (703) 541-9015, Fax (703) 541-9019

Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 15 June 01	

Microscopist: _____
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-061501-01RR	PRE	New Executive Office Building: Hall adj to Room 8208	10.0	10.0	7:03 PM	9:03 PM	120	1200	3.0	0.003
2534-061501-02RR	PRE	New Executive Office Building: Room 8025 adj to Riser 17A, Work Area A inside Mini-Containment	10.0	10.0	7:12 PM	9:12 PM	120	1200	11.0	0.004
2534-061501-03RR	PRE	New Executive Office Building: Room 8025 adj to Riser 17A, Work Area A inside Mini-Containment	10.0	10.0	7:12 PM	9:12 PM	120	1200	10.0	0.004
2534-061501-04RR	PRE	New Executive Office Building: Room 8025 adj to Riser 16A, Work Area B inside Mini-Containment	10.0	10.0	7:19 PM	9:19 PM	120	1200	9.0	0.004

Signature of Inspector/Project Monitor: _____ Date: 15 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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PRE-ABATEMENT CHECKLIST & LOG

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BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 15 June 01	

Microscopist: _____ (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-061501-05RR	PRE	New Executive Office Building: Room 8025 adj to Riser 16A, Work Area B inside Mini-Containment	10.0	10.0	7:19 PM	9:19 PM	120	1200	7.5	0.003
2534-061501-06RR	PRE	New Executive Office Building: Room 8025 adj to Riser 16A-13A Work Area C inside Mini-Containment	10.0	10.0	7:34 PM	9:34 PM	120	1200	6.5	0.003
2534-061501-07RR	PRE	New Executive Office Building: Room 8025 adj to Riser 16A-13A Work Area C inside Mini-Containment	10.0	10.0	7:34 PM	9:34 PM	120	1200	7.0	0.003

Signature of Inspector/Project Monitor: _____ Date: 15 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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Industrial Hygiene Technologies, Inc.
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PRE-ABATEMENT CHECKLIST & LOG

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BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 15 June 01	

Microscopist: _____
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-061501-08RR	PRE	New Executive Office Building: Room 8025 adj to Riser 12A Work Area D inside Mini-Containment	10.0	10.0	7:22 PM	9:22 PM	120	1200	8.0	0.003
2534-061501-09RR	PRE	New Executive Office Building: Room 8025 adj to Riser 12A Work Area D inside Mini-Containment	10.0	10.0	7:22 PM	9:22 PM	120	1200	9.5	0.004
2534-061501-10RR	PRE	New Executive Office Building: Room 8025 adj to Riser 12A Work Area E inside Mini-Containment	10.0	10.0	7:29 PM	9:29 PM	120	1200	9.0	0.004

Signature of Inspector/Project Monitor: _____ Date: 15 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

PRE-ABATEMENT CHECKLIST & LOG

CLIENT: GSA, NCR, SDS, WPYG	ORDER NUMBER: P-11-01-DC-0101	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER: PO2642534
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 15 June 01	

Microscopist: _____ (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-061501-11RR	PRE	New Executive Office Building: Room 8025 adj to Riser 12A Work Area E inside Mini-Containment	10.0	10.0	7:29 PM	9:29 PM	120	1200	4.0	0.003
2534-061501-12RR	PRE	New Executive Office Building: Room 8025 adj to Riser 11A Work Area F inside Mini-Containment	10.0	10.0	7:18 PM	9:18 PM	120	1200	3.0	0.003
2534-061501-13RR	PRE	New Executive Office Building: Room 8025 adj to Riser 11A Work Area F inside Mini-Containment	10.0	10.0	7:19 PM	9:19 PM	120	1200	7.5	0.003

Signature of Inspector/Project Monitor: _____ Date: 15 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 15 June 01	

Microscopist: _____ (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-061501-14RR	PRE	New Executive Office Building: Room 8021 adj to Riser 10A Work Area G inside Mini-Containment	10.0	10.0	7:28 PM	9:28 PM	120	1200	11.0	0.004
2534-061501-15RR	PRE	New Executive Office Building: Room 8021 adj to Riser 10A Work Area G inside Mini-Containment	10.0	10.0	7:28 PM	9:28 PM	120	1200	12.0	0.005
2534-061501-16RR	PRE	New Executive Office Building: Room 8019 adj to Riser 9A Work Area H inside Mini-Containment	10.0	10.0	7:36 PM	9:36 PM	120	1200	3.5	0.003
2534-061501-17RR	PRE	New Executive Office Building: Room 8019 adj to Riser 9A Work Area H inside Mini-Containment	10.0	10.0	7:36 PM	9:36 PM	120	1200	4.0	0.003

Signature of Inspector/Project Monitor: _____ Date: 15 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 5TH & 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 15 June 01	

Microscopist: _____ (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fibers/ cc
			on	off	on	off				
2534-061501-18RR	PRE	New Executive Office Building: Room 8017 adj to Riser 9A Work Area I inside Mini-Containment	10.0	10.0	7:37 PM	9:37 PM	120	1200	5.0	0.003
2534-061501-19RR	PRE	New Executive Office Building: Room 8017 adj to Riser 9A Work Area I inside Mini-Containment	10.0	10.0	7:37 PM	9:37 PM	120	1200	4.0	0.003

Signature of Inspector/Project Monitor: _____ Date: 15 June 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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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. Galen Green/Project Manager	WPW		
2.			
3.			
4.			
5.			

	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-Containing Material (ACM) Removal Monitoring Report **(6/15-16/01)**
Fan Coil Unit Replacement Project
NEOB (DC0105ZZ)
725 17th Street, NW
Washington, DC

The Safety, Environment and Fire Protection Branch has reviewed the attached asbestos-containing material (ACM) removal monitoring report for the project referenced above. I am forwarding a copy of the report for you to retain in your facility/project records.

Should you have questions concerning the report, please feel free to contact me at (202) 708-5257.

Thank you,

Attachment(s)

NAME/TITLE	CORRES. SYMBOL	BUILDING ROOM NO.
	WPYG	ROB Room 2080
Timothy Sleeth Industrial Hygienist	TELEPHONE NO. (202) 708-5257	DATE 01/15/02

GENERAL SERVICES ADMINISTRATION **GSA** FORM **14** (REV. 04-91)

AUG 19 2000

DC010522

GSA

GSA National Capital Region

MEMORANDUM FOR DON PLUMMER, DIRECTOR
WHITE HOUSE SERVICE DELIVERY TEAM (WPW)

FROM: TRISH GRETSKY, TEAM LEADER Patricia L Gretsky
SAFETY, ENVIRONMENT, AND
FIRE PROTECTION BRANCH (WPYG)

SUBJECT: Occupational Safety and Health Surveys and Program Review

Bauer Environmental Consultants, LLC has completed the Occupational Safety and Health (OSH) Program Review and the OSH Surveys for the White House Service Delivery Team.

The OSH Program Review describes the OSH program at your location, and lists any findings and recommendations. Since this is a program review, the findings are not entered into the IRIS system. Your response should list actions you have taken to correct the findings. Any program findings not corrected within 30 days will require a follow up report every 30 days until the item is complete and a final report is rendered

Your response citing action taken to correct the Program Review and OSH Survey findings must be received in our office within 30 calendar days of the receipt of this memorandum. If you have any questions, please call Bill Sain on (202) 708-5236/Fax (202) 708-6618.

Attachments

U.S. General Services Administration
301 7th Street, SW
Washington, DC 20407-0001
www.gsa.gov

OCCUPATIONAL SAFETY AND HEALTH SURVEY

OF THE

NEW EXECUTIVE OFFICE BUILDING (DC0105ZZ)

725 17TH STREET, NW
WASHINGTON, DC

RESPONSIBLE FIELD OFFICE: WHITE HOUSE PROPERTY

MANAGEMENT CENTER

Prepared by:

Bauer Environmental Consultants, LLC

Task Order No.: P-11-00-DC-0208

SURVEY DATE: JULY 13, 2000

OCCUPATIONAL SAFETY AND HEALTH SURVEY

OF THE

NEW EXECUTIVE OFFICE BUILDING (DC0105ZZ)

725 17TH STREET, NW
WASHINGTON, DC

RESPONSIBLE FIELD OFFICE:

WHITE HOUSE PROPERTY MANAGEMENT CENTER

1.0 EXECUTIVE SUMMARY

1.1 On **July 13, 2000**, an occupational safety and health survey of GSA operations at New Executive Office Building (NEOB) located at 725 17th Street, NW, Washington, DC, was performed to identify potential occupational safety and health risks that may adversely affect GSA employees in the workplace. The survey was conducted by **Jeffrey M. Bauer, PE, CIH, CSP of Bauer Environmental Consultants, LLC (BEC).**

1.2 The General Services Administration representatives contacted on the site included:

Management - The survey was set up with **Ms. Kerry Bonos, White House SDT.**

Labor - There were no union representatives present during the survey.

Supervisor - Interviews were conducted with **Ms. Bonos, WPMC Safety Officer and Mr. Michael Dehart, USRO.**

Employee - Interviews were also conducted with several **GSA Shop personnel (including Mr. Wilson, Carpentry; Mr. Shea, Electrical Shop; and Ms. Bessie Lattimore, USRO). Ms. Lattimore escorted the surveyor through the GSA-occupied areas.**

1.3 There were four new occupational safety and health findings identified as a result of this survey.

1.4 There were two findings recorded from the previous (April 1999) survey. BEC evaluated the outstanding RAC 1-3 findings and their status is discussed below.

1.5 No high hazard operations were noted or reported at the time of the survey.

OPEN FINDINGS SUMMARY

Finding No.	Description	Status
G-11-91-189/006	Vault battery charging requires ventilation	Open
G-11-91-189/010	Transformer ceiling may be asbestos – repair	Closed
G-11-97-026/001	Remove trash from rooftop	Closed
G-11-97-026/002	Exhaust fan in chiller room is situated incorrectly	Open
G-11-97-026/003	Alarm for R-123 monitoring system could not be located	Open
G-11-97-026/004	No emergency shutdown instructions posted outside chiller rm	Open
G-11-97-026/005	Training not given to employees for SCBAs in chiller room	Open
G-11-99-023/001	Install pressure reducing nozzle for cleaning	Closed
G-11-99-023/002	Provide fall protection for ladders in HVAC shafts	Open

2.0 BUILDING PROFILE

2.1 The New Executive Office Building, constructed in 1966, is a ten-story office building with two below grade levels and a penthouse. The two basement levels are used as a parking garage and contain several mechanical spaces and workshop areas. The approximate gross floor area is 37,400 sq. ft. per floor. The building is occupied by the Executive Office of the President, and the Office of Management and Budget.

The GSA occupied space included office space on the first floor, a carpenter shop near the loading dock area, USRO shop with associated storage in the basement, elevator and pesticide shops and utility/mechanical spaces. The penthouse area contains elevator hoisting equipment and the building supply and return fans. The non-GSA spaces are used exclusively for business type occupancy.

2.2 This section summarizes the **32,182** sq/ft of GSA work space within the building. The square footage, percent of space within the building, occupied by the GSA, that contain the following:

(a) Office space –1,120 sq. ft.
(b) Laboratories
(c) Parking garages
(d) Battery charging - Battery bank in transformer vault (square footage included in utility/mechanical space).
(e) Printing shops
(f) Firing range
(g) Warehousing - 9,172 sq. ft.
(h) Flammable material storage
(i) Computer rooms
(j) Machine and carpenter shops - Several small shops e.g. elevator shop, carpenter shop, etc. (square footage included in utility/mechanical space).
(k) Utility/mechanical – 21,890 sq. ft.
(l) Confined space - water tanks - (included in utility/mechanical areas listed above).

(m) Vehicular repair
(n) Radiation
  (i) Ionizing
  (ii) Non-ionizing
(o) PCBs
(p) Photo labs
(q) Etching/plating shops
(r) Welding/sheet metal ships
(s) Paints spray booths
(t) Designated, <u>or recommended,</u> noise hazard areas - Chiller room and paper disintegrator (burn) room (included in mechanical space listed above)
(u) Areas requiring respirator protection

3.0 SPECIAL OCCUPANCIES

3.1 Description of Special Occupancies

Carpenter Shops. The carpentry shop for the WPMC is located in this building. The shop contains Delta Brand grinders, radial arm saws, band saws, crosscut saws, sanding machines and drill presses. All equipment was observed to be guarded properly. Portable powered hand tools such as drills and circular saws were in good condition, properly grounded and considered safe for use. The shop was observed to be well maintained and in clean condition. **New emergency stop buttons have been installed on most of the machines.** Woodworking machines are connected to a central dust collection system. The carpentry shop is equipped with a storage loft, break room and locker room.

USRO Shop. The USRO shop is a small lightly equipped shop/storage room in room B-231. The shop is provided with a bench grinder and drill press. This equipment was observed to be guarded properly, with a minor exception.

Utility/Mechanical Space. Utility/mechanical spaces consisted of penthouse HVAC equipment, cooling towers on the roof, elevator machine rooms, a large chiller room in the subbasement, air compressor equipment room in the 2B garage level and transformer vaults and switchgear in the basement.

Battery Charging. The battery bank located in B-202 switchgear consisted of eight lead acid batteries and provides back-up power for the switchgear equipment. Two 32 oz. eyewash squeeze bottles are provided adjacent to the charging area and a plumbed in place system is located in the corridor outside the room. PPE in the form of a splash shield and rubber gloves are staged in a cabinet conspicuously located adjacent to the battery bank. Ventilation is considered adequate for this area.

Noise Hazard Areas. Three new chillers would be expected to produce noise levels in excess of the action level of 85 dBA established by OSHA. Noise levels were not measured during this survey as the chillers were not in operation.

Confined Spaces. Five expansion/storage water tanks located on the subbasement level in the main mechanical room. The water tanks are listed in the confined spaces inventory.

3.2 Special Occupancies Data

3.2.1 Motor pools: None

3.2.2 Laboratories: None

3.2.3 X-ray and other radiation producing equipment: Package inspection units at the security guard stations at the building's entrances.

3.2.4 Firing range: None

3.2.5 Warehouse storing hazardous materials: None

3.2.6 Photo-processing: None

3.2.7 Computer room with emergency power or battery charging equipment: None

3.2.8 Incinerators: None

3.2.9 Transformers with PCBs: None

3.2.10 Permit Required Confined Space: Permit required confined spaces noted included water tanks in the subbasement. All confined spaces observed were included in the confined spaces inventory list. **Tanks need to be posted as to the potential hazard.**

4.0 DISCUSSION

4.1 Hazard Communication

A. Usage. Routine building maintenance materials in the form of lubricants, water treatment chemicals, paints and adhesives.

Previously recorded concerns in the area of the presence of the chiller's chemical refrigerant R-123, that are still considered valid and open, include:

- **Alarms** - The actual alarm (Horn and/or light) for the R-123 monitoring system could not be located. As the location of the monitoring panel (In the center of the chiller room) requires entry into the room to read, the alarm system should be designed to provide early warning to persons both within and outside the chiller room.

- **Emergency Shutdown** - There are currently two emergency shut-off switches located in the hall, just outside the chiller room. Issues involved with these switches pertains to that there are two switches and three chillers.

- **Instructions** - There is no system schematic or emergency shutdown instructions posted on the wall outside the chiller room. Accordingly, procedures to follow in the event of a refrigerant spill may be unclear - This could result in entry into an oxygen deficient atmosphere. To address this risk issue, post a system schematic and emergency shutdown instructions, outside the chiller room IAW Paragraph 11.8 of ANSI/ASHRAE 15-1994.

- **SCBA** - ANSI/ASHRAE 15-1994 calls for installation of two Self Contained Breathing Apparatus (SCBA) units for the chiller room when it contains R-123. The standard does not, however, address the safety and health implications of SCBA use by employees. The concern is that use of SCBA gear by untrained persons in the event of a refrigerant spill and/or a rescue attempt by untrained personnel, in an oxygen deficient atmosphere, can lead to escalating casualties during a spill emergency.

B. Chemical Inventory. Ms. Bonos has reportedly completed an inventory of hazardous materials used by the WPMC.

C. Written Hazard Communication Program. The WPMC has adopted a hazard communication program from the West Alterations Work Group version to serve as a model for their program. A recommendation to modify the program to address this facility and its employees was made in the WPMC Program Review. Material safety data sheets (MSDSs) were available at this site. A random check of items in the building of the inventory of MSDSs found no discrepancies.

4.2 Personal Protective Equipment

Personal Protective Equipment (PPE) requirements observed include eye & face protection when handling water treatment chemicals, hearing protection for mechanical room areas as well as foot protection throughout all GSA shop and mechanical areas. Operations personnel who provide support for the facility have access to a full range of personal protective equipment, including safety glasses, chemical splash goggles and face shields, ear muffs and plugs as well as protective gloves and hard hats. In addition, all GSA mechanical personnel assigned to this facility receive an allowance towards the purchase of safety shoes each year.

Half mask air filtering respirators with cartridges have also been provided for carpentry shop and paper disintegrator operators for use against nuisance dusts and vapors. The pesticide applicator should also provided with respirator protection. There is a major issue involved with providing respirators, without training and annual medical evaluation, that is discussed fully in the Program Review.

4.3 Training

A. Respiratory Protection: Training in the selection, use and care of respirators is required for all personnel that have been issued respirators and also for personnel who may be selected to use SCBA.

B. Hazard Communication: Training in regard to the Federal Hazard Communication Standard is required for personnel assigned to perform work in this facility due to the use of routine building maintenance materials, e.g., lubricants, adhesives, solvents, water treatment chemicals and compressed gases which are all potentially hazardous materials.

C. Lock Out - Tag Out: Training is necessary due to the need to lock out and tag out of service mechanized equipment, e.g., chillers, air handlers, sewer ejector pumps, etc., during routine maintenance and repair operations.

D. Confined Spaces: Training is necessary due to the presence of such spaces in the building and the periodic need for mechanical inspectors to enter such spaces to review the work of contractors.

E. Bloodborne Pathogens: Training is not necessary as a result of the operations conducted by the GSA in this building. Spills of blood or other bodily fluids are cleaned-up by contractor janitorial staff.

F. Forklifts: The GSA does not use any mechanized material handling equipment, e.g., forklifts, in this building. No requirements for forklift training is presented by the operations conducted within the building.

G. Other: There are two ladders in the HVAC airshaft that reported not to have fall protection cages. The ladders are used to perform periodic maintenance related tasks in the airshaft. In the event an employee is required to enter the shaft he or she should be equipped with approved fall protection and be properly trained in the use of the fall protection equipment.

4.4 Medical Surveillance

Medical examinations for operations personnel assigned to this facility are necessary as a result of exposures to a variety of chemical stressors from activities conducted in association with the routine building maintenance operations as well as noise exposures that may be present. Annual medical examinations are offered and/or provided to all GSA mechanical personnel assigned to this building. The examinations are provided by Professional Health Services of Pennsylvania. **This was last conducted in October 1999.**

4.5 Lock Out/Tag Out Equipment and Knowledge

Lock out and tag out procedures are necessary for work involving energized and/or mechanical equipment, e.g., air handlers, chillers, motor pump controllers, sewer ejector units, etc., contained in the mechanical spaces of the building. GSA mechanical personnel assigned to the facility have

been issued their own locks and keys as well as multiple lock hasps and a supply of tags. All mechanical personnel have also received training in lock out - tag out procedures.

4.6 Fire Protection Life Safety Issues

The facility has an Occupant Emergency Plan (OEP) and all GSA personnel assigned to this facility have received training in accordance. There were an appropriate number and type of portable fire extinguishers distributed throughout the GSA occupied spaces. The extinguishers, however, were not all properly mounted or serviced. As noted during the previous survey report, battery pack emergency lights were provided throughout the GSA areas with one exception and functioned properly when tested. Exit signs were illuminated and the means of egress was evident throughout the facility. **One finding in this area pertains to a wall-mounted fire extinguisher located by the exit door of the carpentry shop, that was blocked by supplies and debris. Ensure proper clearance around extinguisher for easy access.**

4.7 Entry Permit Required Confined Spaces and Enclosed Spaces

A. Permit Required Confined Spaces: There are several "Permit Required" Confined Spaces that have been identified at this location. **Mr. Dehart** indicated that work related to confined spaces was usually contracted out and that only mechanical inspectors could be anticipated to enter such spaces for inspection purposes. To date, none of the GSA mechanical personnel assigned to this facility have received formal training from the Regional S&EM Branch in "permit required" confined spaces, although it has been the subject of monthly safety meetings.

Although air monitoring equipment is available in the Old EOB electrical shop, there is no organized program to keep personnel current on confined space entry procedures. Accordingly, it is recommended that GSA personnel do not enter any "permit required" confined spaces until they have received proper training. A finding was recorded in the WPMC Program Review report as this issue transcends individual buildings and is a general concern for the WPMC. The specific permit required confined spaces identified in the building are as follows:

- Subbasement mechanical room areas – **five** water tanks and a surge tank.

(1) Entrances posted with warning signs – No, required

(2) Written procedures available (Hazards and controls identified?) – Reportedly yes

(3) Permit forms available - Yes

(4) Air sampling equipment available and calibrated – Not in this building

(5) Personnel trained - No

(6) Rescue equipment/personnel available (on-site or rescue service) - No

B. Enclosed Spaces: The HVAC airshaft, elevator pits, and the penthouse machine rooms are considered enclosed spaces. These spaces are not considered "permit required" as there is no potential for a hazardous atmosphere or engulfment. Mechanical, electrical hazards and converging areas are present as well as a fall hazard in the case of the airshaft. In the event an employee was injured while working in these areas, absent a means of communication (e.g. two-way radio, buddy system, etc.) a significant period of time may elapse before help is summoned.

(1) Entrances posted with warning signs - No

(2) Written procedures available (Hazards and controls identified?) - No

4.8 Adequacy of Ventilation

There were no GSA operations conducted within this facility requiring any specialized local exhaust ventilation systems. No findings pertaining to ventilation were identified as a result of this survey.

4.9 Walking/Working Surfaces

Walking and working surfaces in the GSA occupied spaces consisted of carpeting in the office spaces and painted or treated concrete in the mechanical areas. All surfaces, were in good condition at the time of the survey. **Two previously recorded findings in this area, that are still considered valid and open, include:**

- AHU F-27-3 has a sharp corner, at head level, that must be passed closely by as this AHU room is entered. The risk can be reduced by covering the sharp edges with padding that is painted a bright color (Recommend yellow with black stripes).

- There are two ladders in the HVAC airshaft that do no have fall protection cages. A cage was installed around the top of the airshaft limiting access to the ladders. However, access is not controlled and the gate was unlocked. This action does not mitigate the original perceived hazard. Conceivably the ladders will be used to perform modifications to the building or maintenance related tasks at some point in the airshaft.

4.10 Electrical Systems

The facility is provided with a standard three wire grounded electrical system and the continuity of the ground was confirmed during the survey. All electrical panels observed were properly sized, labeled and accessible.

4.11 Machine Guarding

The GSA has a well equipped carpenter shop and USRO shop located in this building. In addition, the fixed machinery in the building is maintained by GSA personnel.

Two previously recorded findings in this area, that are still considered valid and open, include:

- The three compressors just outside the elevator pit room (A4, A5, and A6) had incomplete guards and the pinch points at the belt/pulley interfaces were exposed. The existing guards should be modified to enclose the v-belt drive mechanism completely.

- The air handlers, in the penthouse, had guards that enclosed the v-belt drive mechanism on one side only. Should personnel inadvertently contact a pinch point they may be injured. The existing guards should be modified to enclose the v-belt drive mechanism completely.

One new finding in this area pertains to a missing "work rest" on the floor mounted wheel grinder machine located in the Carpentry Shop. Repair machine to proper working order.

4.12 Emergency First Aid Equipment

Eyewash systems were provided in mechanical room and in the corridors in the basement. The systems functioned properly when tested. There is no plumbed in eyewash in the pesticide shop where caustic materials are handled and mixed (A squeeze bottle system is installed). A plumbed in-place eyewash fountain should be provided.

4.13 Material Handling & Storage

The GSA does not use any fixed and/or mechanized material handling equipment in this facility, with the exception of a chain hoist located in the chiller room. **There was observed one propane powered forklift located in the loading dock area for moving palleted supplies.**

4.14 Noise

The chiller room has noise levels exceeding 85 dBA, due to the presence of three large chillers (When installation is complete), compressors, and circulating pumps. No hearing protection, e.g., muffs and/or plugs was available at the entrances, however, all GSA mechanical personnel have reportedly been issued their own personal protective equipment. **The area has been posted as to the hazard, however, in this regard, the paper destruction (burn) room located in the loading dock area, has not been posted as a high noise area – hearing protection required. Post this room accordingly.**

4.15 Lighting

The lighting criteria was obtained from 41 CFR 101-20.107, Energy Conservation Rule, Federal Property Management Regulations. The required light levels are:

- 50 Foot candles for work surfaces (taken to mean areas where reading is required)

- 30 Foot candles for work areas (taken to mean areas not requiring reading)

- 10 Foot candles for non-work areas (taken to mean aisles, corridors, etc.)
- 5 Foot candles for walking surfaces.

Lighting in the GSA occupied spaces was provided by a combination of fluorescent light fixtures and ceiling mounted incandescent units. No findings concerning illumination levels were noted during this survey.

4.16 Bloodborne Pathogens

No GSA personnel assigned to this facility are designated as "first responders." Spills of blood or other bodily fluids are cleaned-up by the contractor janitorial staff. It was indicated that the janitorial staff has been trained on the issues regarding potential exposures to human wastes/bodily fluids. A control plan has been established and PPE and disposal kits have been provided to the janitorial staff.

4.17 Measurements

No measurements were taken as none of the noise producing equipment was in operation.

APPENDIX A

MINOR FINDINGS

MINOR SURVEY FINDINGS REPORT

TO: White House SDT

DATE: July 13, 2000

FROM: Bauer Environmental Consultants, LLC

BUILDING NAME & NUMBER: New Executive Office Building (DC0105ZZ)

ADDRESS: 725 17th Street, NW, Washington, DC

The following list of items has been identified for correction as a result of a Safety and Environmental Management Survey conducted on the date(s) indicated above. Please indicate the corrective action taken and provide your name in the space provided. Please forward the completed form to the Safety and Environmental Management Division (WPYG). Please complete form within 30 calendar days of receipt of final.

FINDING #: 1

There are currently two emergency shut-off switches located in the hall, just outside the chiller room, but there are three chillers. The switches are not protected from accidental actuation and they are not labeled. The issue of the number of switches vs. chillers should be resolved.

CORRECTIVE ACTION: **DATE:** _____ **BY:** _____

FINDING #: 2

Air handlers in the penthouse had guards that enclosed the v-belt drive mechanism on one side only. The existing guards should be modified to enclose the v-belt drive mechanism completely.

CORRECTIVE ACTION: **DATE:** _____ **BY:** _____

FINDING #: 3

There is no plumbed in eyewash in the pesticide shop where caustic materials are handled and mixed (A squeeze bottle system is installed). A plumbed in-place eyewash fountain should be provided.

CORRECTIVE ACTION: **DATE:** _____ **BY:** _____

FINDING #: 4

Three compressors just outside the elevator pit room (A4, A5, and A6) had incomplete guards and the pinch points at the belt/pulley interfaces were exposed. The existing guards should be modified to enclose the v-belt drive mechanism completely.

CORRECTIVE ACTION: **DATE:** _____ **BY:** _____

FINDING #: 5

AHU F-27-3 has a sharp corner, at head level, that must be passed closely by as this AHU room is entered. Cover the sharp edges with padding that is painted a bright color (Recommend yellow with black stripes).

CORRECTIVE ACTION: **DATE:** _____ **BY:** _____

FINDING #: 6

There was observed a wall-mounted fire extinguisher located by the exit door of the carpentry shop, that was blocked by supplies and debris. Ensure proper clearance around extinguisher for easy access.

CORRECTIVE ACTION: **DATE:** _____ **BY:** _____

FINDING #: 7

Permit required confined spaces in this building include sewer pits and for the five large water tanks and surge (square) tank located in the chiller room area. These tanks and spaces need to be posted as to the potential hazard, as per OSHA regulations.

CORRECTIVE ACTION: **DATE:** _____ **BY:** _____

FINDING #: 8

There was observed a missing "work rest" on the floor mounted wheel grinder machine located in the Carpentry Shop. Repair machine to proper working order.

CORRECTIVE ACTION: DATE: _____ BY: _____

FINDING #: 9

The area has been posted as to the hazard, however, in this regard, the paper destruction (burn) room located in the loading dock area, has not been posted as a high noise area – hearing protection required. Post this room accordingly.

CORRECTIVE ACTION: DATE: _____ BY: _____

APPENDIX B

RAC 1-2-3

FINDINGS AND RECOMMENDATIONS

[There are No RAC 1-3 Findings]

RIS Safety Assessment Syst
Survey Condition Detail

Control Number: G-11-00-0065
Survey Type: OSH
Survey Date: 7/13/00
Conducted by: BEC

Classification:
Date Entered: 7/17/00

Building No.: DC0105ZZ
Name: New Executive Office Bldg.
Address: 1725 17th Street, NW
Washington, DC

Field Office:

Condition/ Type	Scope/ RAC	Severity/ Prob	Region/ Office	Category/ Status	Original Planned Completion	Current Planned/ Actual Completion	PCN/ Work Item	Est. Current Construction Cost

Condition Description	Recommendations	Comments

FILE COPY

General Services Adminstration National Capital Region
Safety, Environmental, & Fire Protection Branch (WPYG)

GSA

FEBRUARY 6, 2000

MEMORANDUM FOR: TYRONE ANDERSON
POTOMAC AND WHITE HOUSE SDT (WPW)

FROM: TIMOTHY SLEETH
SAFETY, ENVIRONMENT AND
FIRE PROTECTION BRANCH (WPYG)

SUBJECT: SAFETY AND ENVIRONMENTAL REVIEW COMMENTS

PROJECT TITLE: REPLACE DOMESTIC COLD WATER/
REPLACE SEWAGE EJECTOR
EISENHOWER EXECUTIVE OFFFICE BUILDING (EEOB)
NEW EXECUTIVE OFFICE BUILDING (NEOB)
17th STREET, NW
WASHINGTON, DC

BUILDING NUMBERS: DC0035ZZ/DC0105ZZ PCN: RDC 07051

SUBMISSION TYPE & DATE: 100% SUBMISSION, 1/12/01

A/E: DIVERSIFIED ENGINEERING, INC.

FILE NAME: EMIREV-1863-EEOB/NEOB REPLACE DOMESTIC CW.100% SUB.DOC

NO./SAFETY AND ENVIRONMENT REVIEW COMMENTS

The 100% Design Submission for the above referenced project have been reviewed with the following comments.

1. Please insert the attached current versions of GSA Guide Specifications Sections:

   - 01546 – Safety and Health
   - 02085– Asbestos Abatement Procedures

If you should have any questions, please contact me at (202) 708-5257.

Reviewed by:_____Date:_____
James Hodges, Industrial Hygienist (Applied Environmental)

cc: Official, Facility, WPYG
Subject File: DC0035ZZ and DC0105ZZ
Hodges: 1/29/01
EMIREV-1863-EEOB/NEOB REPLACE DOMESTIC CW.100% SUB.DOC

Author:_____Date:_____
James Hodges, Industrial Hygienist (Applied Environmental)

FILE COPY

GSA

GSA National Capital Region - Public Buildings Service
Safety, Environment & Fire Protection Branch (WPYG)

AUGUST 14, 2000

MEMEORANDUM FOR SUBHASH CAPOOR
WHITE HOUSE SDT (WPW

FROM: TIMOTHY SLEETH Tim Sleeth
SAFETY, ENVIRONMENT AND
FIRE PROTECTION BRANCH (WPYG)

SUBJECT: SAFETY AND ENVIRONMENT REVIEW COMMENTS

PROJECT TITLE: REPLACE 9TH AND 10TH FLOOR FAN COIL UNITS
NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, NW
WASHINGTON, DC

BUILDING NUMBER: DC0105ZZ PCN: RDC-07144

SUBMISSION TYPE AND DATE: SOW, AUGUST 8, 2000

A/E FIRM: N/A

FILE NAME: EMIREV-1476-NEOB.SOW.9&10 FLRS FCU REPLACE.DOC

NO./SAFETY AND ENVIRONMENT REVIEW COMMENTS:

The Scope of Work for the project referenced above has been reviewed with the following comments.

1. Section I.F., Estimated Contract Award Amount. Does the $750,000 Estimated Contract Award Amount take into account the removal of sprayed-on fire proofing on the 9th Floor, required to be abated in order to remove and replace the exiting fan coil units? Is the associated cost of non-asbestos spray-back fireproofing included in the cost estimate?

If you should have questions, please contact me at (202) 708-5257.

Cc: Official, Facility, WPYG, WPW
Subject File: DC0105ZZ
Sleeth: 8/14/00x708-5257
EMIREV-1476-NEOB.SOW.9&10 FLRS FCU REPLACE.DOC

Author:_____Date:_____
Timothy Sleeth, Industrial Hygienist (WPYG)

FILE COPY

General Services Administration
National Capital Region
Washington, DC 20407

September 22, 1998

MEMORANDUM FOR JOHN RHODES
CAPITAL DEVELOPMENT (WPC)

FROM: TIMOTHY SLEETH
SAFETY, ENVIRONMENT AND
FIRE PROTECTION BRANCH (WPMOX)

SUBJECT: POST-AWARD ASBESTOS AND LEAD-BASED PAINT SUBMITTALS
GS-11P97MKC0015
DESIGN/BUILD ELEVATOR IMPROVEMENTS
NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, NW
WASHINGTON DC 20006

The August 5, 1998, Post-Award Asbestos and Lead-Based Paint Submittal on the 100% Review Comment Response from Montgomery Kone, Inc., for T&P Engineering, Inc., has been reviewed, and is sufficient for approval.

If you have any questions, please contact me at (202) 708-5236.

cc: Official, Facility, WPMOX
Subject File: DC0105ZZ
Sleeth: 09/22/98
NEOB-DesignBuildElevators-98-400

Author: _____ Date: 9/22/98
Timothy Sleeth, Industrial Hygienist (WPMOX)

DC0105ZZ
FILE COPY

General Services Administration
National Capital Region
Washington, DC 20407

July 27, 1998

MEMORANDUM FOR RONALD DICKEY
WHITE HOUSE PROJECTS OFFICE (WPC)

FROM: TIMOTHY SLEETH
SAFETY AND ENVIRONMENT BRANCH (WPMOX)

SUBJECT: POST-AWARD ASBESTOS AND LEAD-BASED PAINT ABATEMENT SUBMITTALS
GS11P97MKC0015
DESIGN/BUILD ELEVATOR IMPROVEMENTS
NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, NW
WASHINGTON, DC 20006

The July 23, 1998, Post-Award Asbestos and Lead-Based Paint Submittal from Montgomery KONE, and T&P Engineering (**NEOB.TRANSMITTAL.063**) has been reviewed and is sufficient for approval as noted:

1. Section II.C.7., Removal and Disposal of The Existing Elevator Hoistway Door Panels. Include a statement to require that the ACM hoistway door panels be labeled just prior to placement in the disposal container, in accordance with 29 CFR 1926.1101.(k)(8).

If you have any questions, please contact me at (202) 708-5257.

Cc: Official, Facility, WPMOX
Subject File: DC0105ZZ
Sleeth: 07/27/97
98-357.DOC

Author: _____ Date: JUL 27 1998
Timothy Sleeth, Industrial Hygienist (WPMOX)

FILE COPY

General Services Administration
National Capital Region
Washington, DC 20407

JUNE 15, 1998

MEMORANDUM FOR RONALD B. DICKEY
WHITE HOUSE PROJECTS OFFICE (WPC)

FROM: TIMOTHY SLEETH
SAFETY AND ENVIRONMENT BRANCH (WPMOX)

SUBJECT: DESIGN/BUILD PROJECT REVIEW &
PRE/POST-AWARD ASBESTOS AND
LEAD-BASED PAINT ABATEMENT SUBMITTALS
GS11P97MKCOO15
DESIGN/BUILD ELEVATOR IMPROVEMENTS
NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, NW
WASHINGTON DC 20006

The May 1998, Design/Build project documents and submittals from Montgomery Kone, Inc., for T&P Engineering have been reviewed and are sufficient for approval as noted.

Design Documents: Approved

Pre/Post-Award Asbestos: Approved as Noted

1. Please note that when performing asbestos abatement in the District of Columbia, both the company and the employees must have current DC Asbestos Abatement Licenses. It was noted that T & P Engineering has made application to D. C. Department of Consumer and Regulatory Affairs for a company license. However, asbestos supervisor and worker licenses were not included with the submittal package. The Contractor shall maintain proof of current certifications and licenses on-site at all times.

2. Provide copies of the EPA and DC "Notification of Asbestos Abatement" to the Safety and Environment Branch 10 days prior to start of any asbestos removal work.

Post-Award Asbestos and Lead-Based Paint Submittals: Approved as Noted

3. Disposal of Elevator Doors and Lead Paint Components: Documents indicate that the removal and displacement of the doors does not require additional work or conditions. Please note that if the doors are identified as being lined with asbestos-containing material, then the doors, shall be wrapped in 2 layers of 6-mil polyethylene sheeting prior to removal from the site. This requirement is also applicable for components finished with lead paint.

If you have any questions, please contact Tim Sleeth at (202) 708-5236.

Reviewed by:_____ Date:_____
Burl L. Keller III, Industrial Hygienist
Aerosol Monitoring & Analysis, Inc.

cc: Official, Facility, WPMOX
Subject File: DC0105ZZ
Keller: 6/12/98
NEOB-DesignBuildElevators-98-309

Author: Tim Sleeth Date: 6-15-98
for Burl L. Keller III, Industrial Hygienist
Aerosol Monitoring & Analysis, Inc.

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APR 13 [illegible]

MEMORANDUM FOR JOHN RHODES
PROPERTY DEVEOLPMENT DIVISION (WPC)

FROM: TIMOTHY SLEETH Tim Sleeth
SAFETY AND ENVIRONMENT BRANCH (WPMOX)

SUBJECT: SAFETY AND ENVIRONMENT REVIEW COMMENTS

PROJECT TITLE: DESIGN/BUILD VERTICAL TRANSPORTATION IMPROVEMENTS
PASSENGER ELEVATORS #1 THROUGH #6
PASSENGER/FREIGHT ELEVATOR # 7 AND FREIGHT ELEVATOR #8
NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, NW
WASHINGTON, DC

BUILDING NUMBER: DC0105ZZ PCN: IDC68035

SUBMISSION TYPE AND DATE: 95% SUBMISSION, APRIL 2, 1998

A/E FIRM: PKP ENGINEERS, P.C.

FILE NAME: 98-218B.DOC

NO.| SAFETY AND ENVIRONMENT REVIEW COMMENTS:

The 95% Submittal for the project reference above has been reviewed as noted:

[1] Please replace GSA Specification Section 02085 – Asbestos Abatement Procedures, with the attached current version which reflects recent changes to the District of Columbia Asbestos Regulations.

[2] Please label components identified as asbestos and lead-based paint on the project drawings. A list of these items should be sufficient.

If you have any questions, please contact me at (202) 708-5257.

cc: Official, Facility, WPMOX
Subject File: DC0105ZZ
Sleeth: 04/13/98x708-5257
98-218B.DOC

Author: Tim Sleeth Date: 13

Timothy Sleeth, Industrial Hygienist (WPMOX)

FILE COPY

General Services Administration
National Capital Region
Washington, DC 20407

APRIL 13, 1998

MEMORANDUM FOR JOHN RHODES
PROPERTY DEVELOPMENT DIVISION (WPC)

FROM: TIMOTHY SLEETH
SAFETY AND ENVIRONMENT BRANCH (WPMOX)

SUBJECT: POST-AWARD ASBESTOS RESUBMITTALS
GS11P97MKCOO15
DESIGN/BUILD VERTICAL TRANSPORTATION IMPROVEMENTS
NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, NW
WASHINGTON DC 20006

The April 2, 1998, Post-Award Asbestos Resubmittals from Montgomery Kone, Inc., for T&P Engineering, Inc., have been reviewed, and are sufficient for approval.

If you have any questions, please contact me at (202) 708-5236.

cc: Official, Facility, WPMOX
Subject File: DC0105ZZ
Sleeth: 04/13/98x708-5236
98-218.DOC

Author: _____ Date: 4-13-98
Timothy Sleeth, Industrial Hygienist (WPMOX)

FILE COPY

AUG 13 1997

MEMORANDUM FOR RODNEY C. SAMPSON
CONSTRUCTION PROCUREMENT TEAM (WPCAC)

FROM: TIMOTHY SLEETH Timothy Sleeth, Industrial Hygienist
SAFETY AND ENVIRONMENT BRANCH (WPMOX)

SUBJECT: PRE-AWARD ASBESTOS AND LEAD-BASED PAINT ABATEMENT RESUBMITTALS
GS11P97MKCOO15
DESIGN/BUILD ELEVATOR IMPROVEMENTS
NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, N.W.
WASHINGTON D.C. 20006

The August 1997, Pre-Award Asbestos and Lead-Based Paint Abatement Resubmittals from Montgomery Kone, Inc., for T&P Engineering, Inc., have been reviewed, and are sufficient for approval at this time.

If you have any questions, please contact me at (202) 708-5236.

Reviewed by:_____ Date:_____
Christina Vodak, Industrial Hygienist

cc: Official, Facility, WPMOX
Subject File: DC0105ZZ
Vodak: 8/12/97
NEOB-000

Author: Timothy Sleeth, Industrial Hygienist Date: AUG 13 1997
Christina Vodak, Industrial Hygienist

FILE COPY

FEB 13

MEMORANDUM FOR ERIC ALBRECHT
DESIGN MANAGEMENT BRANCH (WPCOD)

FROM: PATRICIA L. GRETSKY
SAFETY AND ENVIRONMENT BRANCH (WPMOX)

SUBJECT: SAFETY AND ENVIRONMENT REVIEW COMMENTS

PROJECT TITLE: DESIGN/BUILD VERTICAL TRANSPORTATION IMPROVEMENTS
NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, N.W.
WASHINGTON D.C.

BUILDING NUMBER: DC0105ZZ PCN: RDC 68035
RDC 48066

SUBMISSION TYPE & DATE: 95% DESIGN AND FINAL BER, JANUARY 1997

FILE NAME: NEOB-235.DOC.97-235

NO: | SAFETY AND ENVIRONMENT REVIEW COMMENTS:

The 95% Design and the Final BER submittals were reviewed as noted:

- 95% Design

[1] The lead-based paint survey identifies several painted surfaces in the work area as containing lead. However, the modified GSA Specification section 02090 ''Removal and Disposal of Lead-Based Paint'', Section 1.01.C., states otherwise. Please correct the specification as appropriate.

[2] Please submit the referenced Apendix-B, Asbestos Inspection and Testing Report.

If you have any questions, please contact Trish Gretsky at (202) 708-5254.

Reviewed by: Patricia L Gretsky Date 02.13.97
for Mark Serio, Industrial Hygienist

cc: Official, Facility, WPMOX
Subject File: DC0105ZZ
Serio: 2/13/97
NEOB-235.DOC.97-235

FILE COPY

19 1996

MEMORANDUM FOR JOHN BORGES
DESIGN MANAGEMENT BRANCH (WPCOD)

FROM: PATRICIA L. GRETSKY
SAFETY AND ENVIRONMENT BRANCH (WPMOX)

SUBJECT: SAFETY AND ENVIRONMENT REVIEW COMMENTS

PROJECT TITLE: DESIGN/BUILD VERTICAL TRANSPORTATION IMPROVEMENTS (ELEVATORS)
NEW EXECUTIVE OFFICE BUILDING
WASHINGTON D.C.

BUILDING NUMBER: DC0105ZZ PCN: IDC 68035

SUBMISSION TYPE & DATE: 50% DESIGN, NOVEMBER, 1996

FILE NAME: NEOBELEV

NO: | SAFETY AND ENVIRONMENT REVIEW COMMENTS:

Specification and Bid Forms Volume II of IV

1. Spec. Section 01546 Safety and Health; Paragraph 3.05.I: Replace ''3.02E through 3.02G'' with ''3.05E through 3.05G''.

2. Spec. Section 02085 Asbestos Abatement Procedures; Paragraph 1.03.C: Replace reference "29 CFR 1926.58...." with "29 CFR 1926.1101, Occupational Exposure to Asbestos, Construction Industry Standard, INCLUDING Appendix A through K.". Replace all additional references of 1926.58 with 1926.1101.

3. Provide a copy of the report for the hazardous materials survey with the next submission.

Specificaiton and Bid Forms volume III of IV

4. Page II-3-10 Section 2.1.2 reword to "...paint assessment of any **additional** work areas where painted surfaces..."

If you have any questions, please contact me at (202) 708-5236.

Reviewed by:_____Date_____
Burl L. Keller III, Industrial Hygienist

cc: Official, Facility, WPMOX
Subject File: DC0105ZZ
Keller: 11/14/96
NEOBELEV

Author:_____Date_____
Burl L. Keller III, Industrial Hygienist

OCT 17 1996

FILE COPY

MEMORANDUM FOR JOHN RHODES
PROJECT MANAGEMENT BRANCH (WPCO)

FROM: TIMOTHY SLEETH Tim Sleeth
SAFETY AND ENVIRONMENT BRANCH (WPMOX)

SUBJECT: POST-AWARD ASBESTOS ABATEMENT RESUBMITTAL
RDC-58003
CHILLER UPGRADE
NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, N.W.
WASHINGTON D.C. 20006

The October 2, 1996, Post-Award Asbestos Abatement Resubmittal from John J. Kirlin, for Southern Insulation, Inc., was reviewed and found to be sufficient for approval at this time.

If you have any questions, please contact me at (202) 708-5236.

Reviewed by:_____ Date:_____
Mark Serio, Industrial Hygienist

cc: Official, Facility, WPMOX
Subject File: DC0105ZZ
Serio: 10/17/96
NEOBCHLL.DOC.97-16

Author: MS Date: 10-17-96
Mark Serio, Industrial Hygienist

FILE COPY

JAN 14 1996

DC010522

MEMORANDUM FOR DONALD PLUMMER
WHITE HOUSE PROPERTY
MANAGEMENT CENTER (WPMFW)

FROM: FREDERICK J. SISSON
SAFETY AND ENVIRONMENT BRANCH (WPMOX)

SUBJECT: ASBESTOS O&M WORK PRACTICES
NEW EXECUTIVE OFFICE BUILDING
750 17TH STREET, NW
WASHINGTON, DC

This memorandum is being forwarded in response to a White House Property Management Center request for guidance concerning proper procedures for accessing the ceiling plenum space during routine maintenance operations conducted in the New Executive Office Building (NEOB). Routine maintenance activities may disturb identified asbestos-containing materials (ACM) located above the ceiling systems located throughout the building.

A 1986 asbestos report identified sprayed-on asbestos fire proofing located on structural steel and decking throughout the entire building. A 1993 sprinkler installation project was accomplished using negative pressure enclosure methods to control airborne levels of asbestos fibers during removal of ACM for the purpose of installing sprinkler hangers and piping. Non-ACM fireproofing was applied only to approximately 1-2 square foot areas where sprinkler hangers were attached. The majority of the friable asbestos fireproofing remains in the building.

Because this material is extremely friable, and may pose a risk of exposure to maintenance workers and occupants of the building if handled improperly, it is essential that asbestos operations and maintenance work practices be implemented in accordance with the Asbestos Operations and Maintenance (O&M) Plan for this building.

Please see the enclosed National Institute of Building Sciences (NIBS), Asbestos Operations & Maintenance Practices, that may be used in developing acceptable procedures for work in ceiling plenum spaces where exposed surfacing ACM is present. In addition to the NIBS procedures, the requirements of the OSHA Asbestos Standard (29 CFR 1910.1001 and 1926.1101) must be complied with for all Class III asbestos work activities. I have enclosed a summary table of key components of the OSHA Asbestos Construction Standard for your information. These requirements became effective October 1, 1995.

Additionally, and most importantly, employees whose job descriptions require that they perform OSHA Class I through IV asbestos operations, must be provided with appropriate asbestos training, personal protective equipment, and participate in a medical surveillance program. Specific requirements are outlined in 29 CFR 1926.1001 and 1101.

Should you require further assistance in developing and implementing asbestos work practices, please call Timothy Sleeth at (202) 708-5257.

Enclosures

cc: Official, Facility, WPMOX
Subject File: DC0105ZZ
Sleeth: 01/07/97x708-5257
<WINWORD>WPMFWACM.DOC

Author: Tim Sleeth Date: 1/7/97
Timothy Sleeth, Industrial Hygienist (WPMOX)

Concur: Steven Richard Date: 1/7/97
Steven Richard, Team Leader (WPMOX)

FACILITY FILE
DESIGN REVIEW
DC0105ZZ

Author: Walter Mills at GSA-WPC
Date: 7/3/96 8:58 AM
Priority: Normal
Receipt Requested
TO: Steve Richard at GSA-WPX
TO: Rocky Sackville
TO: John Rhodes
CC: Fred Sisson at GSA-WPX
CC: Jim Davis
CC: William Cobbs at GSA-WPMXW
CC: Robert Andrukonis
Subject: NEOB Sidewalk

---------- Message Contents ----------

The attached (Microsoft Word) file contains the final draft of this scope of work. I am planning/expecting/hoping on getting it off my desk by 3:00 today, so if there are any further editorial comments, PLEASE give them to me as soon as you can. Otherwise, they may not reach me in time to be incorporated. I specifically need editorial comments, or approval on the draft, for the Cost Estimating and Environmental Sections. Please accept my apologies that adding this file as an attachment to this letter has messed up the text, but please persevere! Thank you for your time and effort.

RECEIVED, JULY 8, 1996.

NO COMMENTS FORWARDED.

PROJECT DESCRIPTION

DATE: July, 1996

PROJECT IDENTIFICATION

PROJECT TITLE: Sidewalk Replacement

BUILDING: New Executive Office Building

LOCATION: 17th and H Streets NW, Washington DC

PROJECT CONTROL NO.: RDC-58022

GSA WORK ITEM NO.: 330

ESTIMATED CONTRACT AWARD AMOUNT: $446,050

BACKGROUND

The sidewalks at the New Executive Office Building are in need of replacement. Settlement, cracking and some spalling has left the sidewalk unsightly and uneven.

Settlement is most pronounced at the main entrance of the NEOB where the sidewalk has sunk several inches. In order to prevent tripping, a tapered concrete patch has been poured at the entrance as a temporary measure. This patch is very noticeable and because of the nature of the patching material, an item that needs constant monitoring and maintenance.

The settlement at the main entrance has also affected the planter walls along the sidewalk. The walls have sunk causing the stone cladding to crack. Further away from the entrance the sidewalk settlement has caused gaps between the sidewalk and planters. The gaps are large and beyond what a filler material can be expected to accommodate.

Settlement is not the only problem with the sidewalk. The wearing surface has been damaged by trenching for utility work and by the removal of mail boxes. Spalling and cracking is evident in places as well.

The curbs and gutters along the streets will also require replacement as part of this project. Some of the curbs are sunken, cracked, chipped or even missing.

The sidewalk along the 17th Street side of the building will require a special finish as required by the Streetscape Manual. The Adjacent sidewalk to the south of the building is brick, while some nearby sidewalks are concrete pavers. It is natural to assume that the city and oversight committees will want to continue to use paving materials that are in character with the area, and that signify the importance of the building.

G. Building security is a concern for this building and measures such as the installation of bollards at the building entrance on 17th Street has been requested. Some barriers at the curb line should also be expected. In addition, the installation of hydraulic barriers that can be raised and lowered is desired in the 17th Street and H Street driveways in order to provide security for traffic into the garage. The installation of these barriers will be included with this project to ensure coordination with the sidewalk replacement and maximize cost effectiveness.

OBJECTIVES

Project Description:

The existing sidewalks in front of the New Executive Office Building, along both 17th and H Streets, are to be removed and new sidewalks constructed, including all associated curbs, ramps, gutters, sewer inlets, and any other such structures encountered.

Included with this work is the permanent removal of all existing parking meters along the curbs in front of the NEOB, removal of all light poles and replacement with new units, and removal and replacement of all affected signs, benches, etc.

Also included is the repair/replacement of all damaged and misaligned planter walls.

Security devices are to be installed with this project. These include bollards in front of the 17th Street main entrance, and hydraulic (Delta) barriers for both driveway entrances.

General:

To design the project to be within construction cost limitations. This design is to include, but is not limited to, all surveys, research, presentations, contract drawings, specifications, calculations and cost estimates necessary to complete this project.

To preserve and enhance the cultural and historically significant aspects of the original architecture.

To design the project to be in compliance with all life-safety requirements.

To make the sidewalk accessible to and usable by the physically handicapped.

To enhance the building security at the street level.

To fully coordinate this project with the federal agencies, oversight committees and local government agencies with jurisdiction.

SCOPE OF CONSTRUCTION WORK

The following includes, but is not limited to, the work required to fulfill the objectives of this project as necessary for each engineering discipline.

Architectural Requirements

Provide protective barriers, signs and other devices necessary to protect the building, environment, building occupants, and the general public during demolition and construction. Provide the means necessary to maintain egress to and from the building offices and garage, provide access to the fire hydrants and standpipes during demolition and construction. Provide environmental controls to prevent erosion and the generation of dust.

Remove and/or protect landscaping features, shrubs, trees and items that can be salvaged and reused in the final design.

Remove all parking meters and return the units to the proper authorities. Remove the light and sign poles as required by the design and turn them over to the proper authorities as stated in the specifications.

Demolish damaged planter walls that cannot be permanently repaired. Demolish sidewalks and curbs that are to be replaced. Perform demolition for the installation of garage security barriers at the 17th and H Street driveways. Remove all construction waste in an acceptable manner.

Replace planter walls that cannot be permanently repaired. Replace broken stone cladding on the walls. Permanently repair walls where possible.

Install sidewalk, granite curbs, brick gutters, curb ramps, light poles, bollards, barriers and security devices, storm sewer inlets, benches and other site features. Provide control and expansion joints as required by the materials, and provide sealant and fillers as required.

Replant shrubs temporarily removed. Provide new landscaping where required. Replace any plants damaged by construction.

Structural Requirements

Provide structural support for the installation of security barriers. Modfify and upgrade existing structures as necessary for the installation and proper performance of the security barriers (hydraulic, bollards, etc.).

Provide structural support as needed for the replacement of the sidewalks.

Civil Requirements

Verify locations of utilities before any excavation.

Remove soil as required and prepare the sub-base for the planter walls and sidewalk. Insure excessive and unacceptable settlement does not recur through the use of proper and well compacted fill materials, geotech fabric, or other methods considered necessary.

Electrical Requirements

Remove existing light poles, light fixtures, conduit and wiring in the sidewalk replacement area.

2. Provide new light poles, light fixtures, conduit and associated wiring.

3. Provide electrical feeds to power light fixtures and hydraulic traffic barriers.

Mechanical Requirements

Provide hydraulic traffic barriers at the 17th Street and H Street driveways.

F. Life Safety Requirements

1. Maintain building emergency egress during all phases of construction.

2. Provide unhampered access to any fire hydrants and standpipes on site.

CRITERIA GOVERNING DESIGN

Services to be performed by the Architect-Engineer under this contract shall conform to all applicable requirements and criteria indicated in the following and the latest issues and changes thereto:

Government Requirements

PBS PQ 100.1 - The "Facility Standards for the Public Buildings Services", Metric Version, December 23, 1993.

PBS P 3440.5 - Project Estimating Requirements, August 24, 1981.

PBS P 3440.7 - Estimating Construction Modifications

Instructions for Developing Construction Cost Estimates, October 1994. (WPCPC)

Buy American Act

"General Guide for Editing Specifications", April 1988

AIA Masterspec Specifications with GSA Division One Supplements and the following GSA Regional Specifications:

* Supplementary Instruction to Bidders Section 00120
* Supplementary Conditions Section 00800
* Safety and Health Section 01546
* Asbestos Abatement Procedures Section 02085
* NCR Mechanical Specifications Division 15

If this project requires specifications not provided by the AIA, GSA Supplements or the specifications listed above, prepare specifications for those sections following the Construction Specification Institute (CSI) format and

GSA's "General Guide for Editing Specifications".

Environmental Management Technical Guides
GSA Safety and Environmental Management Division (PMS)

Metric Guide for Federal Construction, Interagency Council on Metric Policy.
Note: The metric units used in the construction trades is replaced by the updated chart issued in the Metric in Construction newsletter, Volume 5, Issue 2, dated March - April, 1996. This new chart replaces the one in the current version of the Metric Guide for Federal Construction (page 20).

Metric Design Guide, General Services Administration.

Preferred Metric Units for General use by the Federal Government, Federal Standard 376B, January 27,1993

"Streetscape Manual", Architectural / Engineering Subgroup, August 1992

Codes and Regulations

The National Building Code (Building Officials and Code Administrators International, Inc.), modified to include the technical requirements of the Life Safety Code (National Fire Protection Association).

Article 10 of the 1996 BOCA Code is replaced by the entire contents of NFPA 101 for GSA submissions.

Occupational Safety and Health Regulations for Construction; 29 CFR, Parts 1926 and 1910.

Environmental Protection Agency Regulations.

Handicap accessibility code

Interim Final Guidelines for Title III of the Americans with Disabilities Act (ADA) and the Uniform Federal Accessibility Standards (UFAS). Where a conflict occurs the more

stringent of the two shall be used.

Applicable local codes and regulations.

National Fire Protection Association Standards.

Industry Standards

Occupational Safety and Health Standards.

American National Standards Institute (ANSI) Publications.

When conflicts in the above list occur, the A/E shall notify the Government and the Project Officer will acquire the necessary interpretation and guidance for the A/E.

SPECIAL CONSIDERATIONS

The following list of Special Considerations is in addition to requirements established in PBS P 3440 and other requirements listed in the section "Criteria Governing Design of this Project Description.

Submit a code analysis, in the first review submission, which addresses the specific portions of the building affected by this Project Description. The analysis should entail the following work:

Compile a list of applicable codes and Government Requirement documents.

List the applicable design document review authorities including the method of contacting them.

Prepare a comprehensive code analysis which references each of the subsections of the codes and government criteria for this project.

The electrical code analysis should be limited to the applicability of chapters 5, and 6 of the National Electrical Code. Identify those particular articles of these chapters that apply to this project.

Code Conformance Certification by the A/E:

Provide a synopsis of the pertinent code data which applies to the work required by this Project Description on the cover sheet of the construction drawings. This list should include, as a minimum, the following information: the use group classification(s) and construction classification type(s). If applicable provide fire resistance ratings of the pertinent building elements (based on BOCA Tables), any special use and occupancy requirements, building occupant load, maximum length of exit access travel, and number of exits required.

Provide following statement on the cover sheet for all design projects:

"The design of this project conforms to the following applicable codes and Government Requirements:

(THE A/E IS TO LIST ALL APPLICABLE CODES AND GOVERNMENT REQUIREMENT DOCUMENTS HERE)

The Architect's and Engineer's signed professional seal provided below this statement will certify compliance with the required design criteria and codes.

Submit engineering calculations for all disciplines at each submission. Engineering calculations of all discipline shall be prepared and/or approved by the registered engineer of appropriate discipline. The cover sheet of calculations should be stamped by the engineer.

The responsible Architect's and Engineer's signed stamp should appear on the cover sheet of the final review set of drawings and the cover sheet of the specifications.

All work shall be coordinated with and approved by the following:

General Services Administration.

National Capital Planning Commission

Fine Arts Commission

Local Government Officials as required by the Public Buildings Act of

1988.

Prepare all presentation materials necessary to obtain approval from the above organizations.

All survey and investigation on site during the design phase shall be coordinated and scheduled through GSA's Building Manager and the tenants occupying the building.
William Cobbs, Manager, White House PMC.....(202) 395-3675

Metric Design Requirements

Design this project in metric units only. Prepare drawings, specifications, calculations and cost estimate in metric units only. Do not use dual dimensions and units (i.e. in both English and metric). Use hard metric dimensions and units to the maximum extent feasible. All dimensions should be in millimeters (mm) only, however, major dimensions in civil/site drawings should be given in meters. On topographic maps, the elevations and bench marks may be given in millimeters or meters. Contour intervals should be given in millimeters.

Utilize the GSA "Metric Design Guide" in identifying the opportunities for incorporating hard metric products and systems in this project. However, expand where possible to use hard metric items where competitively available.

In repair and alteration projects determine which hard metric products identified are feasible for being incorporated. For new construction, utilize hard metric modules for bay sizing and floor to floor heights. Indicate in all contract documents that shop drawings, product literature, written correspondence and construction measurements be provided in metric measurements.

The Scope of Services indicated is not intended to limit the innovative design of the Architect-Engineer. Variation from the Scope of Services will be considered by GSA, if the proposed change is within the construction budget limitations, meets the objectives for the project, and results in an improved design. All proposed changes in the Scope of Services must be approved by GSA.

All reproducible drawings prepared under this project shall be of such

drafting quality so as to permit legible half size reproductions. All details and sections prepared under this contract will be "back-referenced" to the appropriate drawings so that they are easily understood by those who have not been involved in their preparation.

Scale of drawings submitted for review: For all disciplines, drawings prepared on GSA standard sheets are to be submitted to GSA for review at half size. In addition, there is to be one complete full sized set submitted , which will be available to all disciplines for reference.

Title block and drawing numbering criteria are provided on Attachment A.

Produce all final sets of contract design drawings by computer aided design and submit to GSA in an Autocad format. All data as well as referenced files for production, fonts, etc. shall be capable of direct import into, and complete manipulation by Autocad without conversion or the need for other software. GSA uses Version 13. Data shall be submitted on 3.5" HD diskettes with two (2)backup copies. File compression shall be accomplished only with the latest version of PKZIP and a copy of this shareware included with the diskettes.

Submit final contract specifications in electronic format that can be directly used by Microsoft Word 6.0 (or later) without conversion, operating under MSDOS or PCDOS.

Meet with the local utilities to coordinate this project. The design shall comply with the requirements of the various utilities. Copies of correspondence to and from the utilities and minutes of meetings shall be included with each submission. The design documents shall clearly identify all fees that the contractor will be required to remit to the utilities.

Estimating Requirements: Provide construction cost estimates at each submission.

For this project the following rates shall be utilized:

General Conditions - actual
Overhead and Profit - market
Escalation for construction duration - 0% per year.
Design Contingencies - 0% at check set final submittal

The following cost estimating requirements are referenced in Project Estimating Requirements, PBS 3440.5 and are to be followed

when developing cost estimates based upon construction documents developed by A/E firms:

Prepare estimates under the direction of a professional estimator whose full time or primary duty is construction cost estimating.

Develop estimates independent of the design team (however, at intermediate stages, particularly concept stage, coordination of the design team and estimator may be required).

Prepare estimate to conform in format, level of detail, number of estimates and all other requirements, described in PBS 3440.5 and in "Instructions for Developing Construction Cost Estimates". Level of detail cost estimates at each submission should correspond to the level of detail required for each design submission.

After the estimate has been completed, based upon the prevailing labor and material pricing, and with fair and reasonable markup, a "market adjustment", (if applicable) shall be identified to more accurately represent the prevailing market conditions.

Include in the final estimate the following certification:

I certify that the construction estimate has been prepared from the plans and specifications dated _____ by or under the supervision of a qualified estimator independent of the design team, and reflects the present market conditions.

Estimator _____Date_____

Concur:
Architect/Engineer
_____Date _____

Provide Post Award Construction Cost Analysis in accordance with Chapter 6 of PBS P 3440.5, Project Estimating Requirements.

Environmental Requirements

Due to the location of the project outside of the building, the presence of asbestos containing materials is not suspected. If during construction materials are encountered that are suspected to contain asbestos, work should be suspended and the Project Officer notified immediately. The material should be tested and handled in accordance with specification section 02085.

End of Project Description

FILE COPY

JUL 28 1997

MEMORANDUM FOR RODNEY C. SAMPSON
CONSTRUCTION PROCUREMENT TEAM (WPCAC)

FROM: TIMOTHY SLEETH
SAFETY AND ENVIRONMENT BRANCH (WPMOX)

SUBJECT: PRE-AWARD ASBESTOS AND LEAD-BASED PAINT ABATEMENT SUBMITTALS
GS11P97MKCOO15
DESIGN/BUILD ELEVATOR IMPROVEMENTS
NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, N.W.
WASHINGTON D.C. 20006

The July, 1997, Pre-Award Asbestos and Lead-Based Paint Abatement Submittals from Montgomery Kone, Inc., for T&P Engineering, Inc., were reviewed and found to be insufficient for approval as noted:

[1] Submit the following in accordance with Specification Section 02085 - ASBESTOS ABATEMENT PROCEDURES, 1.04:

a. Copy of daily air log and air monitoring reports for last five jobs.

b. Names, experience records, and copies of successful completion of training for employees to work on the project (other than supervisor).

[2] Submit the following in accordance with Specification Section 02090-REMOVAL AND DISPOSAL OF LEAD-BASED PAINT, 1.02:

a. Names, experience records, and copies of successful completion of training for employees to work on the project (other than supervisor).

b. Name and qualifications of analytical laboratory used to profile wastes.

c. Names and qualifications of each contractor handling the wastes (specific to this project), including the facility location, phone number, and 24-hr. point of contact.

d. Name address, and telephone number of landfill (specific to this project).

If you have any questions, please contact me at (202) 708-5236.

Reviewed by:_____Date:_____
George Abi-Nader, Industrial Hygienist

cc: Official, Facility, WPMOX
Subject File: DC0105ZZ
Abi-Nader: 7/28/97
NEOB-578

Author:_____Date: JUL 28
George Abi-Nader, Industrial Hygienist

FILE COPY

MAY 28 1997

MEMORANDUM FOR RODNEY SAMPSON
CONSTRUCTION PROCUREMENT TEAM (WPCAC)

FROM: TIMOTHY SLEETH
SAFETY AND ENVIRONMENT BRANCH (WPMOX)

SUBJECT: PRE-AWARD ASBESTOS AND
LEAD-BASED PAINT ABATEMENT SUBMITTALS
GS-11P97MKC0015
DESIGN/BUILD ELEVATOR IMPROVEMENTS
NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, N.W.
WASHINGTON D.C. 20006

The May 16, 1997, Pre-Award Asbestos and Lead-Based Paint Abatement Submittal from Total Systems Contracting was reviewed as noted:

Asbestos - Pre-Award: **Disapproved**

[1] In accordance with Specification Section 02085,1.04, Submittals, submit all pre-award asbestos abatement submittals for review and approval. Please note that removal of elevator hoistway doors and associated hardware on this project will potentially disturb identified asbestos-containing material (ACM) within the hoistway door. This work shall be performed by a qualified asbestos abatement contractor.

Lead-Based Paint - Pre-Award: **Disapproved**

[1] In accordance with Specification Section 02090,1.02, Submittals, submit all pre-award lead-based paint removal submittals for review and approval.

[2] The Contractor has stated that old elevator controllers and machines identified as being painted with lead-based paint (LBP) will "be removed intact, with no sanding , drilling, etc., of the painted surfaces." The Contractor should note that, in accordance with Specification Section 02090, 3.03.A, Cleanup and Disposal, the Contractor is responsible for performing toxic characteristic leaching procedure (TCLP) sampling to determine if LBP debris is to be handled and disposed of as hazardous waste.

If you have any questions, please contact me at (202) 708-5236.

cc: Official, Facility, WPMOX
Subject File: DC0105ZZ
Sleeth: 5/28/97
NEOB-452.DOC.

Author: Tim Sleeth Date: MAY 28 1997
Timothy Sleeth, Industrial Hygienist

FILE COPY

DEC 20 1996

MEMORANDUM FOR JOHN BORGES
DESIGN MANAGEMENT BRANCH (WPCOD)

FROM: PATRICIA L. GRETSKY
SAFETY AND ENVIRONMENT BRANCH (WPMOX)

SUBJECT: SAFETY AND ENVIRONMENT REVIEW COMMENTS

PROJECT TITLE: DESIGN/BUILD VERTICAL TRANSPORTATION IMPROVEMENTS (ELEVATORS)
NEW EXECUTIVE OFFICE BUILDING
WASHINGTON D.C.

BUILDING NUMBER: DC0105ZZ PCN: IDC 68035

SUBMISSION TYPE & DATE: 50% DESIGN RESUBMITTAL, OCTOBER 31, 1996

FILE NAME: NEOB-107

NO: | SAFETY AND ENVIRONMENT REVIEW COMMENTS:

The October 31, 1996 Lead-Based Paint survey report submittal for the subject project has been reviewed and found to be sufficient for approval. The following, however, must still be addressed:

Specification and Bid Forms Volume II of IV

1. Spec. Section 01546 Safety and Health; Paragraph 3.05.I: Replace ''3.02E through 3.02G'' with ''3.05E through 3.05G''.

2. Spec. Section 02085 Asbestos Abatement Procedures; Paragraph 1.03.C: Replace reference "29 CFR 1926.58...." with "29 CFR 1926.1101, Occupational Exposure to Asbestos, Construction Industry Standard, INCLUDING Appendix A through K.". Replace all additional references of 1926.58 with 1926.1101.

3. Submit proof of the required Asbestos-Containing Materials survey.

Specification and Bid Forms volume III of IV

4. Page II-3-10 Section 2.1.2 reword to "...paint assessment of any **additional** work areas where painted surfaces..."

If you have any questions, please contact me at (202) 708-5236.

Reviewed by: _____ Date _____
George Abi-Nader, Industrial Hygienist

cc: Official, Facility, WPMOX
Subject File: DC0105ZZ
Abi-Nader: 11/22/96
NEOB-107

Author: Patricia L. Dietsky Date 12-20-96
for George Abi-Nader, Industrial Hygienist

FILE COPY

OCT 20 1995

MEMORANDUM FOR JOHN RHODES
PROJECT MANAGEMENT BRANCH (WPCO)

FROM TIMOTHY SLEETH
SAFETY AND ENVIRONMENT BRANCH (WPMOX)

SUBJECT POST-AWARD ASBESTOS SUBMITTAL REVIEW (AMENDMENT)
GS-11P92MKC0099"NEG"
SPRINKLER SYSTEM UPGRADE
NEW EXECUTIVE OFFICE BUILDING
WASHINGTON, D.C.

The October 18, 1995 amendment to the previously approved Asbestos Plan Qualification Submittal from Retro Environmental, Inc. has been reviewed. We agree that sufficient product data has not been submitted regarding the use of "Firebond" concentrate post removal encapsulant and find this product to be insufficient for approval. We have also reviewed the product information submitted for the proposed use of "Fiberset PM" encapsulant and find this to be sufficient for approval.

If you have any questions, please contact me at (202) 708-5236.

Reviewed By: _____ Date: 10-20-95
George Abi-Nader, Industrial Hygienist

cc: Official, Facility, WPMOX
Subject File: DC0105ZZ
Abi-Nader: 10/20/95
<IH8>REV.NEOB.SPRINKLER.96-10

Author: _____ Date: 10-20-95
George Abi-Nader, Industrial Hygienist

FILE COPY

OCT 11 1995

MEMORANDUM FOR JOHN RHODES
PROJECT MANAGEMENT BRANCH (WPCO)

FROM TIMOTHY SLEETH Tim Sleeth
SAFETY AND ENVIRONMENT BRANCH (WPMOX)

SUBJECT ASBESTOS PLAN QUALIFICATION SUBMITTAL (AMENDMENT)
GS-11P92MKC0099"NEG"
SPRINKLER SYSTEM UPGRADE
NEW EXECUTIVE OFFICE BUILDING
WASHINGTON, D.C.

The September 29, 1995 amendment to the previously approved Asbestos Plan Qualification Submittal from Retro Environmental, Inc. was reviewed. The submittal was found to be sufficient for approval at this time.

If you have any questions, please contact me at (202) 708-5236.

Reviewed By:_____ Date:_____
Mark Serio, Industrial Hygienist

cc: Official, Facility, WPMOX
Subject File: DC0105ZZ
Serio: 10/6/95
<IH8>REV.NEOB.SPRINKLER.96-10

Author: Tim Sleeth Date: 10-10-95
for Mark Serio, Industrial Hygienist

DC0105ZZ

FILE COPY

AUG 10 1995

MEMORANDUM FOR JOY WALKER
CONSTRUCTION PROCUREMENT TEAM (WPCAC)

FROM TIMOTHY SLEETH
SAFETY AND ENVIRONMENT BRANCH (WPMOX)

SUBJECT PRE-AWARD ASBESTOS AND
LEAD PAINT ABATEMENT SUBMITTALS
GS-11P95MKC0034"NEG"
DESIGN/BUILD CHILLER UPGRADE
NEW EXECUTIVE OFFICE BUILDING
WASHINGTON, D.C.

The August 1, 1995, Pre-Award Asbestos and Lead Paint Abatement Submittals from John J. Kirlin, Inc., for Southern Insulation, Inc. were reviewed. The Submittals were found to be sufficient for approval at this time.

If you have any questions, please contact me at (202) 708-5236.

Reviewed By:_____ Date:_____
Mark Serio, Industrial Hygienist

cc: Official, Facility, WPMOX
Subject File: DC0105ZZ
Serio: 8/9/95
<IH8>REV.NEOB.CHILLER.95-717

Author: _____ Date: 8-9-95
Mark Serio, Industrial Hygienist

DC0105ZZ

FILE COPY

General Services Administration
National Capital Region
Washington, DC 20407

July 20, 1995

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR,
FEE DEVELOPER DIVISION (WPC)

FROM: TIMOTHY SLEETH T.S.
INDUSTRIAL HYGIENIST, SAFETY AND
ENVIRONMENTAL MANAGEMENT BRANCH (WPMOX)

SUBJECT: POST-AWARD ASBESTOS ABATEMENT SUBMITTAL
GS-11P92MKC0099"NEG", IDC 08118
SPRINKLER AND ALARM SYSTEM
NATIONAL COURTS BUILDING
WASHINGTON, DC 20005

PROJECT OFFICER: JOHN RHODES, 254-8086

The July 18, 1995, Post-Award Asbestos Abatement Submittal from Automatic Sprinkler Corporation of America, for Retro Environmental, Inc., for an Alternate Testing Method for Local Exhaust Equipment, has been reviewed and is sufficient for approval at this time.

The approved procedure will require continuous air monitoring of any HEPA exhaust equipment that can not be vented outside the building due to limitations of the building design. Air monitoring will be performed by GSA's Independent Industrial Hygiene Term Contractor.

Should you have questions, please contact me at (202) 708-5236.

cc: Official, Facility, WPMOX
Subject File: DC0105ZZ
TSleeth: 07/20/95x708-5236
<WINWORD>REVNATCTS.DOC

Author:_____Date:_____
Timothy Sleeth, Industrial Hygienist

FILE COPY

MAR 7 1995

MEMORANDUM FOR VITALY SAZONOV
CHIEF, MECHANICAL SECTION (WPCPM)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: SAFETY AND ENVIRONMENTAL REVIEW COMMENTS

PROJECT TITLE: DESIGN/BUILD CHILLER UPGRADE TO REPLACE EXISTING CFC CHILLERS
NEW EXECUTIVE OFFICE BUILDING (NEOB)
725 17TH STREET, NW
WASHINGTON, DC

PCN: RDC 58003 BUILDING NUMBER: [redacted]

PROJECT OFFICER: MARGARET MCGEOUGH, 708-7580

TYPE AND DATE: FINAL SUBMISSION - FOR BID, FEBRUARY 15, 1995

FILE NAME: <IH7>REV.NEOB.CHILLERS.95-331

A/E FIRM: META ENGINEERS, P.C.

NO: | SAFETY AND ENVIRONMENTAL MANAGEMENT REVIEW COMMENTS:

The Final Submittal of specifications for the above referenced project has been reviewed.

[1] Specification Section 02085- Asbestos Abatement Procedures states the work area is documented in Appendix E of Volume III. The copy of Appendix E submitted to us appears to have two pages combined onto one thus not all sample locations can be identified.

[2] Appendix E does not give any information regarding lead-based paint as Section 02090 suggests.

Should you have any questions, please contact Trish Gretsky at (202) 708-5236.

Reviewed by:_____Date_____
Burl L. Keller III, Industrial Hygienist

Concur:_____Date_____
Patricia L. Gretsky, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc: Official, Facility, WPXE
Subject File: DC0105ZZ
Keller: 3/06/95
<IH7>REV.NEOB.CHILLERS.95-331

Author: _____ Date _____
Burl L. Keller III, Industrial Hygienist

Concur: P. Gretsky _____ Date 3-6-95
Patricia L. Gretsky, Industrial Hygienist

JAN 12 1995

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The January 10, 1995, asbestos abatement submittal from Retro Environmental, Inc., for Areas 1BWC, and 2BWF, is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.95-230
TSLEETH: 01/12/95x708-5236

Author: Tim Sleeth Date: 1-12-95
Timothy Sleeth, Industrial Hygienist

File

DC010522

DEC 22 1994

MEMORANDUM FOR ROBERT ANDRUKONIS, CHIEF
ARCHITECTURAL SECTION (WPCPA)

FROM: FREDERICK J. SISSON, CHIEF
ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: SAFETY AND ENVIRONMENTAL REVIEW COMMENTS

PROJECT TITLE: SOW - NEW ADMINISTRATION BUILDING
ROWLEY TRAINING CENTER
BELTSVILLE, MARYLAND

PROJECT OFFICER: ROBERT OBENREDER, 708-7979 PCN: RMD-48999

SUBMISSION TYPE & DATE: SOW, NOVEMBER, 1994

FILE NAME: <IH2>REV.ROWLEY.NEWBLDG.95-125

NO: | SAFETY AND ENVIRONMENTAL MANAGEMENT REVIEW COMMENTS:

The Scope of Work for the above referenced project was reviewed. Under either Section IV. **Scope of Construction Work** or Section VI. **Special Considerations** include the following:

[1] Consideration must be given during the design phase for the possibility of future need for sub-slab ventilation. Radon control is to be included in the design. This will make radon easier to control in the event it is found in the completed structure in excess of the EPA recommended action level of 4 picocuries per liter (Pci/l).

[2] All materials to be used in the new facility must be asbestos free.

[3] All materials used in the potable water system must be certified lead-free.

[4] All exterior/interior paint, glazing, and caulking must be certified lead-free.

Should you have any questions, please contact Ms. Trish Gretsky at (202) 708-5236.

Reviewed by:_____Date_____
Patricia Gretsky, Industrial Hygienist
Safety and Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc: Official, Facility, WPXE
Gretsky: 12/12/94
<WP>REV.ROWLEY.NEWBLDG.95-125

Author: Patricia L Gretsky Date 12.12.94
Patricia Gretsky, Industrial Hygienist

OCT 31 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The October 25, 1994, asbestos abatement submittal from Retro Environmental, Inc., for Area 2EC, Mini-Containment, is insufficient for approval at this time.

Please submit revised plan indicating locations of negative pressure machines and three-stage decontamination unit.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.95-41
TSLEETH: 10/27/94x708-5236

Author:_____ Date:_____
Timothy Sleeth, Industrial Hygienist

DC0105ZZ

OCT 22 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The October 18, 1994, asbestos abatement submittal from Retro Environmental, Inc., for Area 2EC, is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.95-34
TSLEETH: 10/20/94x708-5236

Author: Tim Sleeth Date: 10-21-94
Timothy Sleeth, Industrial Hygienist

DC0105ZZ

NOV OCT 13 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The October 11, 1994, asbestos abatement submittal from Retro Environmental, Inc., for Area 2WC, is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.95-11
TSLEETH: 10/13/94x708-5236

Author: Tim Sleeth Date: OCT 13
Timothy Sleeth, Industrial Hygienist

OCT 14 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The November 8, 1994, asbestos abatement submittal from Retro Environmental, Inc., for Areas 1WD and 1EC, is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.95-90
TSLEETH: 11/10/94x708-5236

Author: Tim Sleeth Date: 11-10-94
Timothy Sleeth, Industrial Hygienist

DC010522

OCT 6 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The October 4, 1994, asbestos abatement submittal from Retro Environmental, Inc., for Areas 2EA and 2EB, is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.95-1
TSLEETH: 10/05/94x708-5236

Author:_____ Date:_____
Timothy Sleeth, Industrial Hygienist

OCT 5 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The September 23, 1994, asbestos abatement submittal from Retro Environmental, Inc., for Call Back Work Above Ceiling on the 2nd Floor, is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-1053
TSLEETH: 10/03/94x708-5236

Author: Tim Sleeth Date: 10-3-94
Timothy Sleeth, Industrial Hygienist

DC0105ZZ

SEP 28 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The September 27, 1994, asbestos abatement submittal from Retro Environmental, Inc., for Area 2WF, is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-1048
TSLEETH: 09/27/94x708-5236

Author: Tim Sleeth Date: 9-27-94
Timothy Sleeth, Industrial Hygienist

DC0105ZZ

SEP 28 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The September 23, 1994, asbestos abatement submittal from Retro Environmental, Inc., for Areas 2EF, 2WE, and 2WF is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-1047
TSLEETH: 09/27/94x708-5236

Author: Tim Sleeth Date: 9-27-94
Timothy Sleeth, Industrial Hygienist

file copy

SEP 19 1994

MEMORANDUM FOR AMITABHA DATTA
CHIEF, STRUCTURAL SECTION (WPCPS)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: SAFETY AND ENVIRONMENTAL REVIEW COMMENTS

PROJECT TITLE: ROOF SCREEN SURVEY
NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, NW
WASHINGTON, DC

PROJECT OFFICER: JOHN DEGROFF, 401-2145

PCN: RDC-44077 BUILDING NUMBER: DC0105ZZ

SUBMISSION TYPE & DATE: SURVEY, AUGUST 25, 1994

FILE NAME: <IH6>REV.NEOB.ROOFSCREENS.94-943

NO: | SAFETY AND ENVIRONMENTAL MANAGEMENT REVIEW COMMENTS:

The scope of work for survey should be as follows:

[1] Identify any asbestos containing materials (ACM) prior to project construction.

[2] Identify lead-based paint (LBP) prior to project construction.

Should you have any questions, please contact Ms. Trish Gretsky at (202) 708-5236.

Reviewed by:_____Date_____
Burl L. Keller III, Industrial Hygienist

Concur:_____Date_____
Patricia L. Gretsky, Industrial Hygienist
Safety and Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc: Official, Facility, WPXE
Subject File: DC0105ZZ
Keller: 9/6/94
<IH6>REV.NEOB.ROOFSCREENS.94-943

Author: _____ Date 9-19-94
Burl L. Keller III, Industrial Hygienist

Concur: Patricia L Gretsky Date 9-19-94
Patricia L. Gretsky, Industrial Hygienist

SEP 19 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The September 13, 1994, asbestos abatement submittal from Retro Environmental, Inc., for Area 2EF, is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-1020
TSLEETH: 09/16/94x708-5236

Author: Tim Sleeth Date: 9-16-94
Timothy Sleeth, Industrial Hygienist

DC0105ZZ

SEP 8 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The September 9, 1994, asbestos abatement submittals from Retro Environmental, Inc., for Areas 2EA, 2EB, 2ED and 2EE, are sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-988
TSLEETH: 09/07/94x708-5236

Author: Tim Sleeth Date: 9-7-94
Timothy Sleeth, Industrial Hygienist

DC0113ZZ

JUL 29 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: POST-AWARD ASBESTOS ABATEMENT SUBMITTAL
GS-11P94MKC0042
RENOVATE 3RD, 4TH, AND 5TH FLOORS
COSMOS CLUB
WASHINGTON, DC

PROJECT OFFICER: DUSTY RHODES, 708-9830

The July 1, 1994 Post-Award Asbestos Abatement Submittal (with Transmittal dated 7/26/94) from Vista Contracting, Inc., for Potomac Abatement, Inc. has been reviewed. The submission was sufficient for approval at this time.

Should you have any questions, please contact Mr. Tim Sleeth at (202) 708-5236.

Reviewed by:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Safety and Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc: Official, Facility, WPXE
Subject File: DC0113ZZ - COSMOS
TSLEETH: 07/28/94
<WPFLS>REV.COSMOS.RENOV.94-845

Author: Tim Sleeth Date: 7/28/94
Timothy Sleeth, Industrial Hygienist

DC0105ZZ

JUL 28 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FRED J. SISSON

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The July 22, 1994, asbestos abatement submittal from Retro Environmental, Inc., for Areas 2WA, 2WB, and 2WD, is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-844
TSLEETH: 07/27/94x708-5236

Author: Tim Sleeth Date: 7-27-94
Timothy Sleeth, Industrial Hygienist

DC0105ZZ

JUL 27 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The July 22, 1994, asbestos abatement submittals from Retro Environmental, Inc., for Areas 3WA, 3WB, 3WC, 3WD, 3WE, 3WF, and 3WG, are sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-843
TSLEETH: 07/26/94x708-5236

Author: Tim Sleeth Date: 7-26-94
Timothy Sleeth, Industrial Hygienist

JUL 20 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
SR CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The July 12, 1994, asbestos abatement submittals from Retro Environmental, Inc., for Areas 3EA, 3EG and 8WC, are sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-799
TSLEETH: 07/12/94x708-5236

Author: Tim Sleeth Date: 7-19-94
Timothy Sleeth, Industrial Hygienist

JUL 13 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The July 6, 1994, asbestos abatement submittal from Retro Environmental, Inc., for Areas 3EB, and 3EC, is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-788
TSLEETH: 07/08/94x708-5236

Author: Tim Sleeth Date: 7-12-94
Timothy Sleeth, Industrial Hygienist

JUN 20 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The June 7, 1994, asbestos abatement submittals from Retro Environmental, Inc., for Areas 3EF, 3EE, 3ED and 3WH, are sufficient for approval at this time.

This memorandum confirms verbal approval given on June 17, 1994, by Trish Gretsky, for the submittals referenced above.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-668
TSLEETH: 06/20/94x708-5236

Author: Tim Sleeth Date: 6-20-94
Timothy Sleeth, Industrial Hygienist

DC0105ZZ

JUN 2 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The May 31, 1994, asbestos abatement submittal for asbestos removal for Areas 7EB and 7EC, is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-622
TSLEETH: 06/01/94x708-5236

Author:_____ Date:_____
Timothy Sleeth, Industrial Hygienist

DC0105ZZ

MAY 27 1994

MEMORANDUM FOR: CHERIE MCCLUNG
ACTING CHIEF, CONSTRUCTION
CONTRACTS SECTION C (WPPAC)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: POST-AWARD ASBESTOS SUBMITTAL
GS-11P94MKC0010
NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, NW
WASHINGTON, DC 20210

The Post-Award Asbestos Abatement Submittal from Sverdrup Corp., for Potomac Abatement Inc. has been reviewed. The submittal is found to be insufficient for approval at this time. Address the following comments: (see the GSA ABATEMENT PROJECT CONTROL CHECKLIST for references)

[1] A work plan drawing is needed to illustrate abatement set-up locations. (B.1.a)

[2] Certificates of compliance to ANZI Z9.2 standards must be listed in the equipment literature. The individual equipment manufactures should be able to provide this information in letter form if it is not. (B.2)

[3] Laboratory qualification information for Scientific Control, Inc., is incomplete. (B.3)

- laboratory certifications have expired.
- only **one** quarterly report from the NIOSH PAT was submitted.

Should you have any questions, please contact Mr. Tim Sleeth at (202) 708-5236.

Reviewed by:_____Date_____
Mark R. Serio, Industrial Hygienist

Concur:_____Date_____
Timothy Sleeth, Industrial Hygienist
Safety and Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc: Official, Facility, WPXE
Subject File: DC0105ZZ
Serio: 5/19/94
<IH5>REV.NEOB.ASBESTOS.94-604

Author: _____ Date 5-27-94
Mark R. Serio, Industrial Hygienist

Concur: _____ Date 5-26-94
Timothy Sleeth, Industrial Hygienist

MAY 25 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post-Award Procedures Resubmittal and Accident Prevention Plan Submittal
GS-11P94MKC0010, RDC-28053
Replace Penthouse Roof
New Executive Office Building
725 17th Street, NW
Washington, DC

The May 23 and 24, 1994, Post-Award Asbestos Abatement Procedures Resubmittal, and the Accident Prevention Plan Submittal, have been reviewed and are sufficient for approval at this time.

Should you have any questions, please contact Mr. Tim Sleeth or Mr. Steven Richard at (202) 708-5236.

Reviewed by:_____ Date:_____
Timothy Sleeth, Industrial Hygienist

Concur:_____ Date:_____
Steven Richard, Safety Manager
Safety and Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc: Official, Facility, WPXE
Subject File: DC0105ZZ
TSLEETH: 05/19/94x708-5236
<WPFLS>REV>NEOB.ACM/ACCIDENT.94-604

Author: Tim Sleeth Date: 5-25-94
Timothy Sleeth, Industrial Hygienist

Concur:_____ Date:_____
Steven Richard, Safety Manager

MAY 16 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The May 7, 1994, asbestos abatement submittal for spot asbestos removal from beam flanges on the 1st Garage Area, from Retro Environmental, Inc., is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-583
TSLEETH: 05/13/94x708-5236

Author: Tim Sleeth Date: 5-13-94
Timothy Sleeth, Industrial Hygienist

MAY 16 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The May 10, 1994, asbestos abatement submittal for asbestos removal for Area 7WH (Elevator Lobby), from Retro Environmental, Inc., is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-584
TSLEETH: 05/13/94x708-5236

Author: Tim Sleeth Date: 5-13-94
Timothy Sleeth, Industrial Hygienist

Facility
NEOB

MAY 4 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The April 25, 1994, asbestos abatement submittals for asbestos removal for Areas 7WC, 7WB, 7WA, 7WG, 7WF, and 7WE, from Retro Environmental, Inc., are sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-531
TSLEETH: 04/28/94x708-5236

Author:_____ Date:_____
Timothy Sleeth, Industrial Hygienist

DC010522

MAY 2 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: REVISED ABATEMENT METHODS
POST-AWARD RESUBMITTAL
GS-11P92MKC0099"NEG"
GARAGE - REMOVE BEAM FIREPROOFING
FOR HANGER INSTALLATION
NEW EXECUTIVE OFFICE BUILDING (NEOB)
725 17TH ST., NW
WASHINGTON, D.C.

The April 26, 1994 Post-Award ReSubmittal for Proposed Abatement Methods from Retro Environmental, Inc. has been reviewed. The proposed method is insufficient for approval at this time.

The present mini-containment design does not ensure the collection of released fibers as it allows for too large a space between the ceiling and top of the mini-containment. Design a collapsible containment which will conform to the shape of the beam when extended. The design shall be such that the top of the enclosure is separated from the asbestos fireproofing by only a narrow space.

Should you have any questions, please contact Mr. Tim Sleeth at (202) 708-5236.

Reviewed by: _____ Date _____
Burl L. Keller III, Industrial Hygienist

Concur: _____ Date _____
Tim Sleeth, Industrial Hygienist
Safety and Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc: Official, Facility, WPXE
Subject File: DC0105ZZ
Keller: 04/29/94
<IH5>REV.NEOB.FIREPROOFING.94-539

Author: BLK Date 4/29/94
Burl L. Keller III, Industrial Hygienist

Concur: Tim Sleeth Date 4-29-94
Tim Sleeth, Industrial Hygienist

DC010522

APR 18 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPCDL)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The March 22, 1994, asbestos abatement submittal for asbestos removal from I Beams on the B-1 Parking Level, from Retro Environmental, Inc., is insufficient for approval at this time. Submit the following information to Safety and Environmental Management for review and approval prior to starting work on this phase of the project.

[1] Submit revised Plan of Action to indicate that proposed mini containment will be mounted to a rigid support, as opposed to being hand held by an asbestos worker.

[2] Submit revised Plan of Action to show that described procedure will be conducted within a mini-enclosure, with walls constructed of 6 mil poly, to act as a secondary containment barrier in the event the portable mini containment device contacts or disturbs the intact portions of asbestos fireproofing.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-439
TSLEETH: 04/14/94x708-5236

Author: Tim Sleeth Date: 4-14-94
Timothy Sleeth, Industrial Hygienist

APR 15 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The March 21, 1994, asbestos abatement submittal for Electrical Closets, from Retro Environmental, Inc., is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-438
TSLEETH: 04/14/94x708-5236

Author: Tim Sleeth Date: 4-14-94
Timothy Sleeth, Industrial Hygienist

APR 15 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The April 12, 1994, asbestos abatement submittals for Areas 7EA, 7EG, 7EF, 7EE, and 7ED, from Retro Environmental, Inc., are sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-494
TSLEETH: 04/14/94x708-5236

Author: Tim Sleeth Date: 4-14-94
Timothy Sleeth, Industrial Hygienist

C010522

MAR 9 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The March 7, 1994, asbestos abatement submittal for Area 4WH, from Retro Environmental, Inc., is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-389
TSLEETH: 03/09/94x708-5236

Author: Tim Sleeth Date: 3-9-94
Timothy Sleeth, Industrial Hygienist

MAR 9 1994

MEMORANDUM FOR: CHERIE MCCLUNG
ACTING CHIEF, CONSTRUCTION
CONTRACTS SECTION C (WPPAC)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: ASBESTOS ABATEMENT RE-SUBMITTAL
PRE-AWARD (CONTRACTOR QUALIFICATIONS)
GS-11P94MKC0010
NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, NW
WASHINGTON, DC 20210

The Pre Award Asbestos Abatement Re-Submittal information requested from Roofers, Inc., for Potomac Abatement Inc. has been reviewed. The submittal is sufficient for approval at this time. However, worker William Gutierrez must have a current certification in order to work on this project. The certification provided with this submittal expired on January 21, 1994.

Should you have any questions, please contact Mr. Tim Sleeth at (202) 708-5236.

Reviewed by: _____ Date _____
Robert M. Deck, Industrial Hygienist

Concur: _____ Date _____
Timothy Sleeth, Industrial Hygienist
Safety and Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc: Official, Facility, WPXE
Subject File: DC0105ZZ
Deck: 3/09/94
<IH4>REV.NEOB.ASBESTOS.94-380

Author: Robert M. Deck Date 3/9/94
Robert M. Deck, Industrial Hygienist

Concur: Tim Sleeth Date 3/9/94
Timothy Sleeth, Industrial Hygienist

DC0105ZZ

FEB 25 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FRED J. SISSON

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The February 21, 1994, asbestos abatement submittal for Areas 4WC, 4WD, and 4WE, from Retro Environmental, Inc., is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-360
TSLEETH: 02/24/94x708-5236

Author: Tim Sleeth Date: 2-24-94
Timothy Sleeth, Industrial Hygienist

DC0105ZZ

FEB 24 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The February 4, 1994, asbestos abatement submittal for the Computer Room, from Retro Environmental, Inc., is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-327
TSLEETH: 02/22/94x708-5236

Author: Tim Sleeth Date: 2-22-94
Timothy Sleeth, Industrial Hygienist

FEB 10 1994

MEMORANDUM FOR: PETER J. DIXON
CHIEF, CONSTRUCTION CONTRACTS SECTION C (WPPAC)

FRED J. SISSON

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: ASBESTOS ABATEMENT SUBMITTAL
PRE-AWARD,
GS-11P94MKC0010
NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, NW
WASHINGTON, DC 20210

The Pre Award Asbestos Abatement Submittal information requested for the February 8, 1994 from Roofers, Inc., for Potomac Abatement Inc. has been reviewed. The requested information was found to be incomplete and the submittal is insufficient for approval at this time.

[1] The requested 'experience and qualification of supervision' was incomplete. Section 1.04.A.3 of SUBMITTALS request the following:

* Name and experience record of superintendent and foreman.
* Experience with asbestos related work in a supervisory position as evidenced though supervision of at least **two** asbestos abatement projects.

[2] The request for 'experience and qualification Worker information' was incomplete. Section 1.04.A.4 of SUBMITTALS request the following:

* Name and experience record of **all** workers who will be assigned to this project.
* Certification that **all** employees meet the medical surveillance requirements of the state for which they are licensed.

Should you have any questions, please contact Mr. Tim Sleeth at (202) 708-5236.

Reviewed by:_____Date_____
Paul J. Truntich Jr., Industrial Hygienist

Concur:_____Date_____
Timothy Sleeth, Industrial Hygienist
Safety and Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc: Official, Facility, WPXE
Subject File: DC0105ZZ
Truntich: 2/08/94
<IH4>REV.NEOB.ASBESTOS.94-294

Author: Paul J Truntich Jr Date 2/9/94
Paul J. Truntich Jr., Industrial Hygienist

Concur: Tim Sleeth Date 2-9-94
Timothy Sleeth, Industrial Hygienist

DC 010522

FEB 4 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The January 21, 1994, asbestos abatement submittals for Areas 4EC, 4ED, 4EA, 4EB, 4EF, and 4EE, from Retro Environmental, Inc., are sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-289
TSLEETH: 02/03/94x708-5236

Author: Tim Sleeth Date: 2-3-94
Timothy Sleeth, Industrial Hygienist

DC0105222

JAN 21 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The January 10, 1993, asbestos abatement submittal for Areas 5WA, 5WF, 5WG, and 5WH, from Retro Environmental, Inc., is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-259
TSLEETH: 01/14/94x708-5236

Author: Tim Sleeth Date: 1-14-94
Timothy Sleeth, Industrial Hygienist

DC010522

JAN 21 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The January 21, 1994, asbestos abatement submittal for Area 5WI, from Retro Environmental, Inc., is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-276
TSLEETH: 01/21/94x708-5236

Author: Tim Sleeth Date: 1-21-94
Timothy Sleeth, Industrial Hygienist

DC 010522

JAN 11 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The January 3, 1993, asbestos abatement submittal for Areas 5WB and 5WC, from Retro Environmental, Inc., is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Timothy Sleeth, Industrial Hygienist

Reviewed By: _____ Date: JAN 11

Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-247
TSLEETH: 01/04/93x708-5236

Author:_____ Date:_____
Timothy Sleeth, Industrial Hygienist

FAC
DC0105

DEC 13 1993

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The December 6, 1993, asbestos abatement submittals for Areas 5EG, 5EF, 5WD, and 5WE, from Retro Environmental, Inc., are sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By: Timothy Sleeth, Industrial Hygienist Date: NOV 13 1993
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.94-185
TSLEETH: 12/10/93x708-5236

Author:_____ Date:_____
Timothy Sleeth, Industrial Hygienist

OCT 28 1993

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The October 11, 1993, asbestos abatement submittals for Stairway #1, from Retro Environmental, Inc., are sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

OCT 13 1993

MEMORANDUM FOR: ROBERT ANDRUKONIS
CHIEF, ARCHITECTURAL SECTION (WPCPA)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, SAFETY AND ENVIRONMENTAL
MANAGEMENT BRANCH (WPXE)

SUBJECT: SAFETY AND ENVIRONMENTAL REVIEW COMMENTS

PROJECT TITLE: NEW EXECUTIVE OFFICE BUILDING
REPAIR PENTHOUSE ROOF
725 17TH STREET, NW
WASHINGTON, D.C

PCN: RDC-28053 BUILDING NUMBER: [redacted]

PROJECT OFFICER: EVA RAKUSAN, 708-7979

SUBMISSION TYPE & DATE: 95% SUBMITTAL, SEPTEMBER 22, 1993

FILE NAME: <IH3>REV.NEOB.95%ROOF.93-1253

NO: | SAFETY AND ENVIRONMENTAL MANAGEMENT REVIEW COMMENTS:

[1] Specification 02085R-Asbestos Roofing Removal Procedures, Paragraph 1.04 A.1 is incorrect. See the attached copy of 02085R for the correct wording.

[2] Specification 01546-Safety and Health, Paragraph 3.02 H-Public Thoroughfare has been deleted. Add this statement to the specification for the next submittal. See the attached copy of 01546.

Should you have any questions, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed by:_____Date_____
Burl L. Keller III, Industrial Hygienist

Concur:_____Date_____
Timothy Sleeth, Industrial Hygienist
Safety and Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc: Official, Facility, WPXE
Subject File: DC0105ZZ
Deck: 10/4/93
<IH3>REV.NEOB.95%ROOF.93-1253

Author:_____Date_____
Robert M. Deck, Industrial Hygienist

Concur:_____Date_____
Timothy Sleeth, Industrial Hygienist

0106

SEP 17 1993

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
BRANCH CHIEF, SAFETY AND ENVIRONMENTAL
MANAGEMENT DIVISION (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The September 12, 1993, asbestos abatement submittals for Area 6WI and mini containments for 6th and 8th floor punch list items, from Retro Environmental, Inc., are sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Safety and Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.93-1194
TSLEETH: 09/16/93x708-5236

Author:_____ Date:_____
Timothy Sleeth, Industrial Hygienist

DC010522

AUG 27 1993

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON [redacted]
BRANCH CHIEF, SAFETY AND ENVIRONMENTAL
MANAGEMENT DIVISION (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The August 23, 1993, asbestos abatement submittal for Stairway No. 4, from Retro Environmental, Inc., is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Safety and Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.93-1135
TSLEETH: 08/26/93x708-5236

Author:_____ Date:_____
Timothy Sleeth, Industrial Hygienist

AUG 17 1993

MEMORANDUM FOR: ROBERT ANDRUKONIS
CHIEF, ARCHITECTURAL SECTION (WPCPA)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, SAFETY AND ENVIRONMENTAL
MANAGEMENT BRANCH (WPXE)

SUBJECT: SAFETY AND ENVIRONMENTAL REVIEW COMMENTS

PROJECT TITLE: REPAIR PENTHOUSE ROOF
NEW EXECUTIVE OFFICE BUILDING (NEOB)
725 17TH ST., NW
WASHINGTON, DC 20006

BUILDING NUMBER: DC0105ZZ PCN: RDC 28053

PROJECT OFFICER: EVA RAKUSAN

A/E FIRM: LEWIS & ASSOCIATES LTD.

SUBMISSION TYPE & DATE: 50% SUBMISSION, AUGUST 5, 1993

FILE NAME: <IH2>REV.NEOB.ROOF.93-1112

NO: | SAFETY AND ENVIRONMENTAL MANAGEMENT REVIEW COMMENTS:

[1] Locate the asbestos containing materials (ACMs) on the contract drawings.

[2] Specification section 01546, Part 3.02 is incomplete. I have attached a complete list of "Protection" requirements for your use.

[3] Replace specification section 02085 with the attached section 02085R - Asbestos Roofing Removal Procedures.

Should you have any questions, please contact Kelly Holland at (202) 708-5236.

Reviewed by:_____Date_____
Burl L. Keller III, Industrial Hygienist

Concur:_____Date_____
Kelly Holland, Industrial Hygienist
Safety and Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc: Official, Facility, WPXE
Subject File: DC0105ZZ
Keller: 8/16/93
<IH2>REV.NEOB.ROOF.93-1112

Author:_____Date_____
Burl L. Keller III, Industrial Hygienist

Concur:_____Date_____
Kelly Holland, Industrial Hygienist

DC 010522

AUG 10 1993

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON
BRANCH CHIEF, SAFETY AND ENVIRONMENTAL
MANAGEMENT DIVISION (WPXE)

Steven P. Richard
Industrial Hygienist

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The August 9, 1993, asbestos abatement submittal for areas 6WD, 6WE, 6WB, 6WC, 6WA, 6WH, 6WG, and 6WF, from Retro Environmental, Inc., is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Safety and Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.93-1101
TSLEETH: 08/10/93x708-5236

Author:_____ Date:_____
Timothy Sleeth, Industrial Hygienist

DC01052Z

JUL 8 1993

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
BRANCH CHIEF, SAFETY AND ENVIRONMENTAL
MANAGEMENT DIVISION (WPXE)

SUBJECT: Asbestos Post Award Procedures
GS-11P92MKC-0099"NEG"
Installation of Sprinkler and Fire
Alarm System
New Executive Office Building
725 17th Street, NW
Washington, DC

The July 2, 1993, asbestos abatement resubmittal for areas 8WH and 10WI, from Retro Environmental, Inc., is sufficient for approval at this time.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Safety and Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Reading, WPXE
Subject File: DC0105ZZ
<WPFLS>SUB.NEOB.93-0977
TSLEETH: 07/07/93x708-5236

Author:_____ Date:_____
Timothy Sleeth, Industrial Hygienist

FEB 10 1993

MEMORANDUM FOR MICHAEL HARMAN
ASSISTANT TO THE REGIONAL ADMINISTRATOR (WPC)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, SAFETY AND ENVIRONMENTAL
MANAGEMENT BRANCH (WPXE)

SUBJECT: Asbestos Removal Plan
GS-11P91MKC-0105"NEG"
Repair and Replace Roof
Old Executive Office Building
Washington, DC

The February 9, 1993, asbestos removal plan for non-friable asbestos-containing mortar joints, from Charles Riddle Associates, Inc., for Southern Insulation, Inc., is sufficient for approval at this time.

Please note that the current GSA Asbestos Control Permit 93-037, for Phase II of this project, is effective through March 31, 1993. If asbestos abatement will extend beyond this date, please notify this office so that a revised permit may be issued to cover the new removal dates.

Should you need additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Safety and Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Facility, WPXE
Subject File: DC0035ZZ
<SLEETHWPFLS>SUB.OEOB.ROOF.93-0472
TSLEETH: 02/09/93

Author:_____ Date:_____
Timothy Sleeth, Industrial Hygienist

DEC 17 1991

MEMORANDUM FOR DOUGLAS E. NELSON
DISTRICT MANAGER - DESIGN (WPCOD)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: SAFETY AND ENVIRONMENTAL REVIEW COMMENTS

PROJECT TITLE: PILOT PROJECT - INSTALL SPRINKLER AND FIRE ALARM SYSTEM

PROJECT CONTROL NUMBER: IDC 18222

NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, N.W.
WASHINGTON, D.C. 20006

BUILDING NUMBER: DC0105ZZ

JOB NUMBER: 92-188

GSA PROJECT OFFICER: LARRY AITCHESON 708-8540

ARCHITECT/ENGINEER FIRM: HALLIBURTON NUS ENVIRONMENTAL CORPORATION

SUBMISSION TYPE & DATE: Final Check Set Submission

November 26, 1991

FILE NAME: <IH>REV.NEOB-SPRINK-92-188

NO: ¦ SAFETY & ENVIRONMENTAL MANAGEMENT REVIEW COMMENTS:

[1] Safety and Health, Section 01546. A old copy of the National Capital Region edition of Section 01546 has been included in this specification. I have attached a current edition of 01546. Please resubmit with updated edition of 01546.

[2] GSA Guide Specifications, Section 02085. A old copy of Section 02085 has been included in this submission. I have attached a current revision of Section 02085 to be included in your resubmission. Also, asbestos containing material outside the renovation areas should be identified on the project drawings and provisions should be given in the event asbestos containing material is found or disturbed during renovation activities.

[3] Lighting Fixtures. This project includes the removal of ballasts from existing fluorescent lights. It should be noted that fluorescent light ballasts manufactured after 1978 have been labelled "NO PCB'S" by the manufacturers. Prior to 1978, ballasts were not labelled as to whether they contain PCB's or not, therefore, all unlabeled ballasts are assumed to contain PCB. Small numbers (normally less than 20) of undamaged unmarked light ballasts may be disposed of as normal municipal solid waste. Larger quantities of or damaged leaking ballasts are to be disposed of as PCB waste. As it appears that existing light fixtures will be replaced, the current copy of the GSA procedures for PCB light ballast removal has been attached for inclusion in the specifications. Where applicable, please note on drawings that ballasts are to be treated as containing PCB's.

Reviewed by:_____ DATE:_____

MARIAN NUCKOLLS
INDUSTRIAL HYGIENIST (202) 708-5254
SAFETY AND ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

cc:
Official, Reading, Facility
<IH>REV.NEOB-SPRINK-92-188
MACE:12/11/91

Author:_____ Date:_____
Ronald R. Mace, CIH, OMC Environmental

Marian B. Nuckolls
Concur:_____ Date:_____
Supv. Ind. Hygienist
Marian B. Nuckolls, Section Chief

NOV 9 1992

MEMORANDUM FOR DOUGLAS E. NELSON
DISTRICT MANAGER - DESIGN (WPCOD)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: SAFETY AND ENVIRONMENTAL REVIEW COMMENTS

PROJECT TITLE: EXECUTIVE OFFICE BUILDING TUNNEL STUDY
NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, NW
WASHINGTON, DC 20006

BUILDING NUMBER: DC0105ZZ

JOB NUMBER: RDC-24035

GSA PROJECT OFFICER: LARRY AITCHESON, 708-8540

ARCHITECT/ENGINEER FIRM: QUINN EVANS ARCHITECTS

SUBMISSION TYPE AND DATE: MIDPOINT SUBMISSION 11/19/92

FILE NAME: <WORD PERF>REVIEW NEOB TUNNEL.93-0223

NO: ¦ SAFETY & ENVIRONMENTAL MANAGEMENT REVIEW COMMENTS:

[1] Consideration must be given in the study to the possible existence of asbestos insulation on buried pipe lines in the areas of the proposed tunnels, as well as in the New Executive Office Building and Old Executive Office Building where the tunnels will connect. An asbestos assessment must be conducted in the accessible areas as a part of the design of any project which results from this study. The A/E shall acquire the services of a qualified firm to conduct the assessment which is to include a search of existing documentation, a walk through inspection, and sampling of any possible asbestos containing material not identified in existing documentation. Also in this case, provisions must be given in the specifications to handle suspect material which may be unearthed during the project. The costs of asbestos abatement must be included in the cost estimates for the project.

[2] The possible presence of underground storage tanks (USTs) in the areas of the proposed tunnels should be addressed in the study. A record review (at the Office of Underground Storage Tanks, among others) should be conducted to determine if any USTs

are present in the path of any of the three proposed tunnel routes. The cost of tank removal shall be considered in the cost estimates for the project.

Should you need additional information, please contact Ms. Kelly Holland at (202) 708-5236.

Reviewed by: _____ Date_____
Kimberly Kroehle, IH

Concur: _____ Date_____
Kelly Holland, Industrial Hygienist
Safety and Environmental Management Branch (WPXE)
(202) 708-5236 Fax (202) 708-6618

cc: Official, Reading, Facility
<Word Perf> REVIEW NEOB TUNNEL.93-0223
KHolland:12/08/92

Author: _____ Date _____
Kimberly Kroehle, IH, Biospherics Inc.

Concur: _____ Date _____
Kelly Holland, Industrial Hygienist

MAY 15 1992

MEMORANDUM FOR GARNER W. DUVALL
CHIEF, PROFESSIONAL SERVICES BRANCH (WPCP)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: SAFETY AND ENVIRONMENTAL REVIEW COMMENTS

PROJECT TITLE: Repair pivoted windows at 3rd through 8th floors
New Executive Office Building
725 17th Street, NW
Washington, DC 20006

BUILDING NUMBER: DC0105ZZ

JOB NUMBER: RDC-28072

GSA PROJECT OFFICER: Tyrone Anderson, 708-7979

SUBMISSION TYPE & DATE: Scope of Work, April, 1992

FILE NAME: <IH>REV.NEOB.SW.92-854

NO: ¦ SAFETY & ENVIRONMENTAL MANAGEMENT REVIEW COMMENTS:

[1] Add Asbestos Abatement Procedures, Section 02085 to V.A.7.

[2] Under Section VI.I.3 include the following, If paint is to be scraped as part of the renovation project, a lead paint assessment will need to be performed in the renovation area by a qualified firm as part of this project.

[3] Please replace the outdated Asbestos Assessment Form and Instruction Sheet in the Scope of Work with those attached.

If you have any questions or comments, please contact Kelly Holland at (202) 708-5236.

Reviewed by:_____ DATE:_____
Kimberly Kroehle, IH, Biospherics Inc.

Concur:_____ Date:_____
Kelly Holland
Industrial Hygienist
Safety and Environmental Management Branch (WPXE)
FAX (202) 708-6618 (202) 708-5236

cc:
Official, Reading, Facility
<IH>REV.NEOB.SW.92-854
WPXE:KROEHLE:4/28/92

Author:_____ Date:_____
Kimberly Kroehle, IH, Biospherics Inc.

Concur:_____ Date:_____
Kelly Holland, Industrial Hygienist

Concur:_____ Date:_____
Marian B. Nuckolls, Section Chief

DC0105ZZ

MAY 1 1992

MEMORANDUM FOR GARNER W. DUVALL
CHIEF, PROFESSIONAL SERVICES BRANCH (WPCP)

FROM: FREDERICK J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: SAFETY AND ENVIRONMENTAL REVIEW COMMENTS

PROJECT TITLE: Repair pivoted windows at 3rd through 8th floors
New Executive Office Building
725 17th Street, NW
Washington, DC 20006

BUILDING NUMBER: DC0105ZZ

JOB NUMBER: RDC-28072

GSA PROJECT OFFICER: Tyrone Anderson, 708-7979

SUBMISSION TYPE & DATE: Scope of Work, April, 1992

FILE NAME: <IH>REV.NEOB.SW.92-854

NO: ¦ SAFETY & ENVIRONMENTAL MANAGEMENT REVIEW COMMENTS:

[1] Add Asbestos Abatement Procedures, Section 02085 to V.A.7.

[2] Under Section VI.I.3 include the following, If paint is to be scraped as part of the renovation project, a lead paint assessment will need to be performed in the renovation area by a qualified firm as part of this project.

[3] Please replace the outdated Asbestos Assessment Form and Instruction Sheet in the Scope of Work with those attached.

If you have any questions or comments, please contact Kelly Holland at (202) 708-5236.

Reviewed by:_____ DATE:_____
Kimberly Kroehle, IH, Biospherics Inc.

Concur:_____ Date:_____
Kelly Holland
Industrial Hygienist
Safety and Environmental Management Branch (WPXE)
FAX (202) 708-6618 (202) 708-5236

cc:
Official, Reading, Facility
<IH>REV.NEOB.SW.92-854
WPXE:KROEHLE:4/28/92

Author:_____ Date:_____
Kimberly Kroehle, IH, Biospherics Inc.

Concur:_____ Date:_____
Kelly Holland, Industrial Hygienist

Concur:_____ Date:_____
Marian B. Nuckolls, Section Chief

DC0106ZZ

APR 24 1992

MEMORANDUM FOR JESSE BOWEN
CHIEF, CONSTRUCTION BRANCH (WPPA)

FROM: FREDERICK J. SISSON
BRANCH CHIEF, SAFETY AND ENVIRONMENTAL
MANAGEMENT DIVISION (WPXE)

SUBJECT: Asbestos Abatement Submittal - Pre-Award
GS-11P92MQC-0064
Install Sprinkler, Fire Alarm System and
Replace Lighting Fixtures
New Executive Office Building
725 17th Street, NW
Washington, DC

GSA PROJECT OFFICER: JESSE BOWEN, (202) 708-7765

The April 23, 1992 pre-award Contractor Qualification submittal from Twigg Corporation for Potomac Abatement, Inc. is sufficient for approval at this time.

Should you need any additional information, please contact Mr. Timothy Sleeth at (202) 708-5236.

Reviewed By:_____ Date:_____
Kimberly Kroehle, IH, Biospherics Incorporated

Concur:_____ Date:_____
Timothy Sleeth, Industrial Hygienist
Safety and Environmental Management Branch (WPXE)
(202) 708-5236 FAX (202) 708-6618

cc:
Official, Facility, WPXE
<IH>SUB.NEOBSP.92-858
Sleeth: 04/24/92

Author: _____ Date: _____
Kimberly Kroehle, IH, Biospherics Inc.

Concur: _____ Date: _____
Timothy Sleeth, Industrial Hygienist

Concur: _____ Date: _____
Marian B. Nuckolls, Section Chief

FEB 4 1992

MEMORANDUM FOR DON BOYD
WHITE HOUSE PROJECT OFFICER

FROM: FREDERICK J. SISSON FRED J. SISSON
BRANCH CHIEF, ENVIRONMENTAL
MANAGEMENT BRANCH (WPXE)

SUBJECT: Post-Award Asbestos Abatement Resubmittals
GS-11P91MKC-0253 "U"
Upgrade HVAC System
New Executive Office Building (DC0105ZZ)

GSA PROJECT OFFICER: Don Boyd 254-8086

The January 11, 1992, Post-Award Asbestos Abatement Resubmittal package submitted by the Twigg Corporation for Potomac Abatement, Inc. has been reviewed for compliance with submittal requirements contained in Section 02085 of the contract specifications. The plan is approved.

Should you need additional information, please contact Trish Gretsky at (202) 708-5254.

cc: Official, Reading, WPXE
Subject File: DC0105ZZ
RRMace,CIH: 1/31/92
<IH> SUB.NEOB

Author: _____ Date: _____
Patricia L. Gretsky, IH

Concur: Marian B. Nuckolls Supv. Ind. Hygienist Date: _____
Marian B. Nuckolls, Section Chief

DEC 12 1991

MEMORANDUM FOR DICK HAYES
PROJECT MANAGER (WPCO)

FROM: FREDERICK J. SISSON FRED J. SISSON
BRANCH CHIEF, SAFETY AND ENVIRONMENTAL
MANAGEMENT DIVISION (WPXE)

SUBJECT: Asbestos Abatement Submittal
GS-11P91MKC-0253 "U"
Replace Air Handling Unit
New Executive Office Building (DC0105ZZ)

GSA PROJECT OFFICER: Dick Hayes 254-8087

The December 2, 1991, asbestos abatement information submitted by Potomac Abatement, Inc. is insufficient for approval prior to awarding the project. Additional information must be submitted and approved prior to starting work on this project.

1. Dates and specific addresses are not included in Section 1.04.A.1.

2. The training records of the Superintendent are not included in Section 1.04.A.3.

3. The Expiration Date of the Maryland License is 12/17/91. Please submit an updated License.

4. The format used is for a Preaward Submittal. This should have been a Postaward Submittal. Please resubmit in the Postaward Format.

5. A copy of the Checklist has been included.

Should you need additional information, please contact Ms. Trish Gretsky at (202) 708-5254.

cc: Official, Reading, WPXE
Subject File: DC0105ZZ
RRMace,CIH: 12/11/91
<IH> SUB.NEOB.92-226

Author: _____ Date: _____
Ronald R. Mace, CIH

Marian B. Nuckolls
Supv. Ind. Hygienist

Concur: _____ Date: _____
Marian B. Nuckolls, Section Chief

AUG 2 1991

MEMORANDUM FOR DOUGLAS NELSON
DISTRICT MANAGER - DESIGN (WPCOD)

FROM: FREDERICK J. SISSON (Signed) Jesse W. Walter, Jr.
CHIEF - ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: SAFETY AND ENVIRONMENTAL REVIEW COMMENTS

PROJECT: Upgrade Air Handling Units
New Executive Office Building
725 17th Street NW
Washington, DC

BUILDING NUMBER: DC0105ZZ

JOB NUMBER: RDC 08116

GSA CONTACT OFFICER: Larry Aitcheson

ARCHITECT/ENGINEER FIRM: Summer Consultants, Inc.

SUBMISSION TYPE & DATE: Final Submission, July 1991

FILE NAME: <health>REV.AE.NEOB.FIN.AHU(91-1184)/9108jw

NO¦ SAFETY & ENVIRONMENTAL MANAGEMENT REVIEW COMMENTS:

THIS SUBMITTAL IS APPROVED.

[1] Section 01546, Safety and Health. The current section is included in the construction specifications.

[2] Section 02085, Asbestos Abatement Procedures. The current section is included in the construction specifications.

Reviewed by: _____ DATE: _____
JESSE W. WALTER, JR.
INDUSTRIAL HYGIENIST (202) 708-5236
SAFETY AND ENVIRONMENTAL MANAGEMENT BRANCH

cc:
Official, Reading, Facility - DESIGN REVIEW (DC0105ZZ)
WPCOD, Facility Asbestos Control Manager WPFXW, Mr. Morris
<health>REV.AE.NEOB.FIN.AHU(91-1184)/9108jw
WPXEE:JWalter:my:8/2/91: (202) 708-5236

Concur: (signed) Jesse W. Walter, Jr. Date _____
for Marian B. Nuckolls

Concur: (signed) Jesse W. Walter, Jr. Date _____
for Frederick J. Sisson

Facility

JUL 2 1991

MEMORANDUM FOR GUY MICONI, CHIEF
ENERGY MANAGEMENT SECTION (WPMOE)

FROM: FREDERICK J. SISSON, CHIEF FRED J. SISSON
ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: SAFETY AND ENVIRONMENTAL REVIEW COMMENTS

PROJECT: Install Energy Efficient Ballasts
New Executive Office Building
725 17th Street NW
Washington, DC

BUILDING NUMBER: DC0105ZZ

GSA PROJECT OFFICER: Mahendra Shah

ARCHITECT/ENGINEER FIRM: Blitz Associates, P.A.

SUBMISSION TYPE & DATE: Scope of Work, April 10, 1991

FILE NAME: <health>REV.AE.WPMOE.NEOB.LITE.BAL(91-968)/9107jw

NO¦ SAFETY & ENVIRONMENTAL MANAGEMENT REVIEW COMMENTS:

[1] Section 01546, Safety and Health. The current section is not included in the construction specifications. One is attached should this concept become a construction project.

[2] Section 02085, Asbestos Abatement Procedures. The current section is attached for inclusion as a reference.

[3] Asbestos Recommendations. The structural steel framework of the New Executive Office Building is protected by asbestos containing fireproofing material. Access above the ceiling must be accomplished in accordance with the attached procedure. The GSA maintenance personnel who perform ballast replacements in the building have assured WPXE that the ballasts and diffusers can be changed without the requirement to push up ceiling tiles.

PROJECT: Install Energy Efficient Ballasts
New Executive Office Building
725 17th Street NW
Washington, DC

NO¦ SAFETY & ENVIRONMENTAL MANAGEMENT REVIEW COMMENTS:

[4] Light Ballast Disposal. Light ballasts manufactured prior to 1978 normally contain a small amount of Polychlorinated Biphenyl (PCB). When in excess of 20 ballasts are to be removed, GSA uses the attached procedure to assure proper disposal of the ballasts.

Reviewed by: Jesse W Walter Jr. DATE: 6/28/91

JESSE W. WALTER, JR.
INDUSTRIAL HYGIENIST (202) 708-5236
SAFETY AND ENVIRONMENTAL MANAGEMENT BRANCH

cc:
Official, Reading, Facility - Design Review (DC0105ZZ
WPCOD, Facility Asbestos Control Manager WPFXW, Mr. Morris
<health>REV.AE.WPMOE.NEOB.LITE.BAL(91-968)/9107jw
WPXEE:JWalter:my:7/1/91(rec4\30\91sr6\14\91jw): (202) 708-5236

Marian B. Nuckolls
Supv.

Concur: _____ Date _____
Marian B. Nuckolls

Concur: _____ Date _____
Frederick J. Sisson

SEP 2 1 1991

MEMORANDUM FOR DOUGLAS E. NELSON
DISTRICT MANAGER - DESIGN (WPCOD)

FROM: FREDERICK J. SISSON FRED J. SISSON
CHIEF, ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

SUBJECT: SAFETY AND ENVIRONMENTAL REVIEW COMMENTS

PROJECT TITLE: PILOT PROJECT - INSTALL SPRINKLER AND FIRE ALARM SYSTEM

PROJECT CONTROL NUMBER: IDC 18222

NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, N.W.
WASHINGTON, D.C. 20006

BUILDING NUMBER: DC0105ZZ

JOB NUMBER: IDC-18222

GSA PROJECT OFFICER: LARRY AITCHESON 708-8540

ARCHITECT/ENGINEER FIRM: HALLIBURTON NUS ENVIRONMENTAL CORPORATION

SUBMISSION TYPE & DATE: FINAL CHECK-SET SUBMISSION, FEBRUARY 3, 1992

FILE NAME: <IH>REV.NEOB-SPRI-92-466

NO: ¦ SAFETY & ENVIRONMENTAL MANAGEMENT REVIEW COMMENTS:

[1] Safety and Health, Section 01546. A new version of the National Capital Region edition of Section 01546 has been included in this specification.

[2] GSA Guide Specifications, Section 02085. A new version of Section 02085 has been included in this submission. However, Section 02087, Asbestos Control Procedures has also been included. GSA Safety and Environmental is unfamiliar with Section 02087. It appears to be the old version of 02085 in which case it should be deleted. Also, asbestos containing material outside the renovation areas should be identified on the project drawings and provisions should be given in the event additional asbestos containing material is uncovered during renovation activities.

[3] Lighting Fixtures. Notes regarding disposal of PCB light ballasts have been included on the submittal drawings. Please include a copy of the GSA procedures for PCB light ballast removal in the specification. A copy is attached.

Reviewed by:_____ Date:_____

KIMBERLY KROEHLE, IH, BIOSPHERICS INC.

Marian B. Nuckolls

Concur:_____ DATE:_____

Supv. Ind. Hygienist

MARIAN NUCKOLLS

INDUSTRIAL HYGIENIST (202) 708-5254

SAFETY AND ENVIRONMENTAL MANAGEMENT BRANCH (WPXE)

cc:
Official, Reading, Facility
<IH>REV.NEOB-SPRI-92-466
KROEHLE:1/14/92

Author: _____ Date: _____
Kimberly Kroehle, IH, Biospherics Inc.

Marian B. Nuckolls
Concur: Supv. Ind. Hygienist Date: _____
Marian B. Nuckolls, Section Chief

APR 7

MEMORANDUM FOR DAVID E. HOY
DIRECTOR, REPAIR AND ALTERATION DIVISION (WQT)

FROM: ROY J. THOMAS
CHIEF, OCCUPATIONAL SAFETY &
HEALTH SECTION (WPXEO)

SUBJECT: SAFETY AND ENVIRONMENTAL REVIEW COMMENTS

PROJECT TITLE: PRELIMINARY BUILDING EVALUATION REPORT FOR
NEW EXECUTIVE OFFICE BUILDING

BUILDING NUMBER DC0105ZZ

JOB NUMBER: N/A

GSA CONTRACT OFFICER: N/A

ARCH/ENGR FIRM: DIVERSIFIED ENGINEERING INC.
914 SILVER SPRING AVENUE
SILVER SPRING, MARYLAND 20012

SUBMISSION TYPE & DATE: 03/31/89

FILE NAME: (PRE BER) NEOB

SAFETY AND ENVIRONMENTAL MANAGEMENT REVIEW COMMENTS:

1. AX-102 Penthouse Roof Repairs, The ladder at the northeast corner of the penthouse is deteriorated and must be replaced with a ladder meeting the standards set forth in 29CFR 1910.27 (7) (1)

2. EL-101 These electrical panels must be corrected to meet the standards set forth in NEC Article 380-7. (1987 Edition) since this is a major building renovation.

3. FS-101 Deficiency Title, Asbestos Abatement.
The structural steel framing throughout the building has been fireproofed with sprayed-on asbestos.

RECOMMENDATION: A complete building inspection as performed during the Occupational Safety and Health (OSH) inspection should be performed prior to correcting the Deficiencies discussed in AN-101, EM-101, EM-103, EM-105, and EP-103.

4. FS-103 The paths of egress are not clearly marked.

RECOMMENDATION: The paths of egress must be fully marked as outlined in NFPA-101, Life Safety Code

5. FS-104 PCB filled transformers, The transformers at this location are presently programed for retrofill or replacement, and shall be disposed of according to EPA, and GSA standard.

Reviewed by: (WPXE) RJS
CHIEF, SAFETY AND ENVIRONMENTAL MANAGEMENT BRANCH
(202) 453-5236
DATE: 04/04/89

Reviewed by: (WPXE) WILLIE O SNELL
CONSTRUCTION SAFETY INSPECTOR
(202) 453-5236
04/04/89

DC010522

General Services Administration
White House Projects Office
808 17th St., NW, Suite 800
Washington, DC 20006
(202) 565-0041

Transmittal

Date: 11/3/04

Project:

To: TIM SLEETH

Rm. 2080

Attn.:

NEOB TRANSFORMERS

We are sending you attached

Shop Drawing	Change Order	Specifications
Copy of Letter	Plans	RFI
Prints	Samples	Other-data cuts

Copies	Date	Specificatin	Description
1	7/23/03		WASTE SHIPMENT RECORDS

These are transmitted as checked below:

For Approval	No Exception Taken
For Your Use	Make Corrections Noted
As Requested	Rejected
For Review and Comments	Revise and Resubmit

Remarks:

Copy To:

GALEN H. GREEN
Project Manager 202-565-0097

Grunley-Walsh Joint Venture
11910 Parklawn Drive
Unit U
Rockville, MD 20852
Phone: 301-881-8081
Fax: 301-881-8083

TRANSMITTAL
No. 00106

PROJECT: Remove Transformer/Switchgear @ NEOB

DATE: 7/2/2003

TO: General Services Administration
808 17th St., NW, Ste. 800
WHPO
Washington, DC 20006

REF: Waste Shipment Records
Asbestos Abatement
11P98MQD0108<>02-077

ATTN: Galen Green

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:	☐ Separate Cover Via:	☐ Due Date:

ITEM NO.	COPIES	DATE	ITEM	NUMBER	REV. NO.	DESCRIPTION	STATUS
	1	7/2/2003	SUB	02085-12	001	Submittal Record Data: Asbestos Abatement - WASTE SHIPMENT RECORDS: No.'s 99127, 99129, 114782, 114789, 118681, 118689 and 119584	NEW

Remarks: Record COPIES for your file.

CC: file

Signed: Rita A. Kalicka, PM
Rita A. Kalicka, PM

Expedition ®

SERVICE TRANSPORT GROUP, INC.

TP8115

P.O. BOX 2132, BRISTOL, PA 19007 PHONE:(877) 999-9559

№ 99127

WASTE SHIPMENT RECORD

S.T.G. #

GENERATOR

1. Material Origin Site	Generator: Name/Address	Generator: Phone #
NEOB 17th NW 725 17th ST NW	NEOB 1725 17th St NW WASH DC	202 395 3586

2. Removal Contractor: Name/Address		Contractor: Phone #
TBN Associates, Inc. 11262 Old Baltimore Pike Beltsville, MD 20705	Contact: Karen Ferma	301 937-5544

3. Responsible Agency: Name/Address	4. US DOT Class - FRIABLE ASBESTOS ONLY
U.S. EPA Region III 1650 Arch Street Philadelphia, PA 19103-2029	RQ ASBESTOS, 9, NA 2212, PG III

5. Description of Materials Specify Friable or Non-Friable	Containers No.	Type	Total Quantity
FRIABLE	65	Bags	

6. Special Handling Instructions: 24-hour emergency spill response no. 800-424-9300

7. Generator Certification:
This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport by highway according to the applicable regulations of the Department of Transportation, US E.P.A., and any other state government agency. I certify that the foregoing is true and correct to the best of my knowledge. If the waste shipment is not as I stated, I accept the RETURN of the COMPLETE LOAD to the generator's service location at the generator's expense.

Printed/Typed Name & Title	Signature	Date
Chris Drum		2/20/03

TRANSPORTER

8. Transporter 1 (Acknowledgement of Receipt of Materials) *If blank, Transporter 2 serves as sole transporter.

Company Name & Address		
TBN ASSOCIATES, INC. 11262 OLD BALTIMORE PIKE BELTSIVLLE, MD 20705	Signature: Printed Name: Title:	Telephone No. 301-937-5544 Date: 2/20/03

9. Transporter 2 (Acknowledgement of Receipt of Materials)

Company Name & Address		
Service Transport Group, Inc. P.O. Box 2132 Bristol, PA 19007	Signature: Printed Name: Title:	Telephone No. 877-999-9559 Date: 3/7/03

DISPOSAL SITE

10. Discrepancy Indication Space:

11. Waste Disposal/Recycling Site Owner or Operator's Certification (Receipt of above Waste Except as Noted in 10)

Company Name & Address		
Exit C&D Landfill, Inc. 7099 Fairhill Street, S.E. Waynesburg, OH 44688	Signature: Printed Name: Title:	Telephone No. 330-488-0099 Date 3-7-03

Permit No. Ohio EPA #1576001701

WHITE-Disposal Site • GREEN-S.T.G. • YELLOW-Contractor • PINK-Generator • GOLD - Pick Up Receipt

SERVICE TRANSPORT GROUP, INC.

P.O. BOX 2132, BRISTOL, PA 19007 PHONE:(877) 999-9559

№ 89129 **WASTE SHIPMENT RECORD** S.T.G. # TR7878

GENERATOR

1. Material Origin Site	Generator: Name/Address	Generator: Phone #
NEOB Transformer Vault #2 Basement	GSA NEOB 725 17th St NW Wash DC	202 395-3869

2. Removal Contractor: Name/Address		Contractor: Phone #
TBN Associates, Inc. 11262 Old Baltimore Pike Beltsville, MD 20705	Contact: Karen Perna	301 937-5544

3. Responsible Agency: Name/Address	4. US DOT Class - FRIABLE ASBESTOS ONLY
U.S. EPA Region III 1650 Arch Street Philadelphia, PA 19103-2029	RQ ASBESTOS, 9, NA 2212, PG III

5. Description of Materials Specify Friable or Non-Friable	Containers No.	Type	Total Quantity
Friable	80	Bags	

6. Special Handling Instructions 24-hour emergency spill response no. 800-424-9300

7. Generator Certification:
This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport by highway according to the applicable regulations of the Department of Transportation, US E.P.A., and any other state government agency. I certify that the foregoing is true and correct to the best of my knowledge. If the waste shipment is not as I stated, I accept the RETURN of the COMPLETE LOAD to the generator's service location at the generator's expense.

Printed/Typed Name & Title	Signature	Date
Chris Drulin Foreman		1/21/03

TRANSPORTER

8. Transporter 1 (Acknowledgement of Receipt of Materials) *If blank, Transporter 2 serves as sole transporter.

Company Name & Address		
TBN ASSOCIATES, INC. 11262 OLD BALTIMORE PIKE BELTSIVLLE, MD 20705	Signature: M. Rawlings Printed Name: Mike Rawlings Title: Driver	Telephone No. 301 937 5544 Date: 1/21/03

9. Transporter 2 (Acknowledgement of Receipt of Materials)

Company Name & Address		
Service Transport Group, Inc. P.O. Box 2132 Bristol, PA 19007	Signature: Printed Name: Title: Driver	Telephone No. 877-999-9559 Date: 2-3-03

DISPOSAL SITE

10. Discrepancy Indication Space:

11. Waste Disposal/Recycling Site Owner or Operator's Certification
(Receipt of above Waste Except as Noted in 10)

Company Name & Address		
Exit C&D Landfill, Inc. 7099 Fairhill Street, S.E. Waynesburg, OH 44688	Signature: Printed Name: Title:	Telephone No. 330-488-0099 Date 2-4-3

Permit No. Ohio EPA #157600170

WHITE-Disposal Site • GREEN-S.T.G. • YELLOW-Contractor • PINK-Generator • GOLD - Pick Up Receipt

SERVICE TRANSPORT GROUP, INC.

58 PYLES LANE, NEW CASTLE, DE 19720 PHONE:(877) 999-9559

№ 114782

WASTE SHIPMENT RECORD

S.T.G. # TR8878

GENERATOR

1. Material Origin Site	Generator: Name/Address	Generator: Phone #
NEOB 17th St NW Transformer Vault	NEOB 17th St NW GSA Transformer Vault	202 395-3675

2. Removal Contractor: Name/Address		Contractor: Phone #
T&N Associates, Inc. 11262 Old Baltimore Pike Beltsville, MD 20705	Contact: Karen Perna	301 937-5544

3. Responsible Agency: Name/Address	4. US DOT Class - FRIABLE ASBESTOS ONLY
U.S. EPA Region III 1650 Arch Street Philadelphia, PA 19103-2029	RQ ASBESTOS, 9, NA 2212, PG III

5. Description of Materials Specify Friable or Non-Friable	Containers No.	Type	Total Quantity
Friable	74	Bags	

6. Special Handling Instructions 24-hour emergency spill response no. 800-424-9300

7. Generator Certification:
This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport by highway according to the applicable regulations of the Department of Transportation, US E.P.A., and any other state government agency. I certify that the foregoing is true and correct to the best of my knowledge. If the waste shipment is not as I stated, I accept the RETURN of the COMPLETE LOAD to the generator's service location at the generator's expense.

Printed/Typed Name & Title	Signature	Date
Chris Dunn Foreman		12/26/02

TRANSPORTER

8. Transporter 1 (Acknowledgement of Receipt of Materials) *If blank, Transporter 2 serves as sole transporter.

Company Name & Address		
T&N Assoc 11262 Old Balto Pike Beltsville MD	Signature: Printed Name: Mills Robinson Title: Driver	Telephone No. 301-937-5544 Date: 12/26/02

9. Transporter 2 (Acknowledgement of Receipt of Materials)

Company Name & Address		
Service Transport Group, Inc. 58 Pyles Lane New Castle, DE 19720	Signature: Printed Name: Title:	Telephone No. 877-999-9559 Date: 2-03-03

DISPOSAL SITE

10. Discrepancy Indication Space:

11. Waste Disposal/Recycling Site Owner or Operator's Certification
(Receipt of above Waste Except as Noted in 10)

Company Name & Address		
BFI Imperial Landfill 11 Boggs Road Imperial, PA 15126	Signature: Printed Name: Title:	Telephone No. 724-695-0900 Date 2-4-3

Permit No. 100620

WHITE-Disposal Site • GREEN-S.T.G. • YELLOW-Contractor • PINK-Generator • GOLD - Pick Up Receipt

SERVICE TRANSPORT GROUP, INC.

58 PYLES LANE, NEW CASTLE, DE 19720 PHONE:(877) 999-9559

№ 114723 89

WASTE SHIPMENT RECORD

S.T.G. # 7878

GENERATOR

1. Material Origin Site	Generator: Name/Address	Generator: Phone #
NEOR 25 M St GSA	NEOR 25 M St NW GSA	202 290 8272

2. Removal Contractor: Name/Address	Contractor: Phone #
IBN Associates, Inc. 11262 Old Baltimore Pike Beltsville, MD 20705 Contact: Karen Parna	301 937-5544

3. Responsible Agency: Name/Address	4. US DOT Class - FRIABLE ASBESTOS ONLY
U.S. EPA Region III 1650 Arch Street Philadelphia, PA 19103-2029	RQ ASBESTOS, 9, NA 2212, PG III

5. Description of Materials Specify Friable or Non-Friable	Containers No.	Type	Total Quantity
Friable	40	Bags	
Non Friable	25	Bags	

6. Special Handling Instructions 24-hour emergency spill response no. 800-424-9300

7. Generator Certification:
This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport by highway according to the applicable regulations of the Department of Transportation, US E.P.A., and any other state government agency. I certify that the foregoing is true and correct to the best of my knowledge. If the waste shipment is not as I stated, I accept the RETURN of the COMPLETE LOAD to the generator's service location at the generator's expense.

Printed/Typed Name & Title	Signature	Date
		7/7/03

TRANSPORTER

8. Transporter 1 (Acknowledgement of Receipt of Materials) *If blank, Transporter 2 serves as sole transporter.

Company Name & Address		
	Signature:	Telephone No.
	Printed Name:	Date:
	Title: Driver	

9. Transporter 2 (Acknowledgement of Receipt of Materials) Company Name & Address		
Service Transport Group, Inc. 58 Pyles Lane New Castle, DE 19720	Signature: Printed Name: Title: Driver	Telephone No. 877-999-9559 Date: 7-7-03

DISPOSAL SITE

10. Discrepancy Indication Space:

11. Waste Disposal/Recycling Site Owner or Operator's Certification
(Receipt of above Waste Except as Noted in 10)

Company Name & Address		
BFI Imperial Landfill 11 Boggs Road Imperial, PA 15126	Signature: Printed Name: Title:	Telephone No. 724-695-0900 Date 7-4-1

Permit No. 100620

WHITE-Disposal Site • GREEN-S.T.G. • YELLOW-Contractor • PINK-Generator • GOLD - Pick Up Receipt

SERVICE TRANSPORT GROUP, INC.

58 PYLES LANE, NEW CASTLE, DE 19720 PHONE:(877) 999-9559

№ 118681

WASTE SHIPMENT RECORD

S.T.G. # TR-7878

GENERATOR

1. Material Origin Site	Generator: Name/Address	Generator: Phone #
GSA NEOB 17th St NW 725	GSA NEOB 725 17th St NW	202 349-9868

2. Removal Contractor: Name/Address		Contractor: Phone #
TBN Associates, Inc. 11262 Old Baltimore Pike Beltsville, MD 20705	Contact: Karen Parna	301 937-5544

3. Responsible Agency: Name/Address	4. US DOT Class - FRIABLE ASBESTOS ONLY
U.S. EPA Region III 1650 Arch Street Philadelphia, PA 19103-2029	RQ ASBESTOS, 9, NA 2212, PG III

5. Description of Materials Specify Friable or Non-Friable	Containers No.	Type	Total Quantity
FRIABLE	36	Bags	

6. Special Handling Instructions: 24-hour emergency spill response no. 800-424-9300

7. Generator Certification:
This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport by highway according to the applicable regulations of the Department of Transportation, US E.P.A., and any other state government agency. I certify that the foregoing is true and correct to the best of my knowledge. If the waste shipment is not as I stated, I accept the RETURN of the COMPLETE LOAD to the generator's service location at the generator's expense.

Printed/Typed Name & Title	Signature	Date
[illegible]	[illegible]	1/28/03

TRANSPORTER

8. Transporter 1 (Acknowledgement of Receipt of Materials) *If blank, Transporter 2 serves as sole transporter.

Company Name & Address		
TBN Assoc 11262 Old Balto Pike Beltsville MD 20705	Signature: [illegible] Printed Name: [illegible] Title: Driver	Telephone No. Date:

9. Transporter 2 (Acknowledgement of Receipt of Materials)

Company Name & Address		
Service Transport Group, Inc. 58 Pyles Lane New Castle, DE 19720	Signature: [illegible] Printed Name: Title: Driver	Telephone No. 877-999-9559 Date: 2-3-03

DISPOSAL SITE

10. Discrepancy Indication Space:

11. Waste Disposal/Recycling Site Owner or Operator's Certification
(Receipt of above Waste Except as Noted in 10)

Company Name & Address		
BFI Imperial Landfill 11 Boggs Road Imperial, PA 15126 Permit No. 100620	Signature: Printed Name: Title:	Telephone No. 724-695-0900 Date 2-4-3

WHITE-Disposal Site • GREEN-S.T.G. • YELLOW-Contractor • PINK-Generator • GOLD - Pick Up Receipt

SERVICE TRANSPORT GROUP, INC.

58 PYLES LANE, NEW CASTLE, DE 19720 PHONE:(877) 999-9559

№ 118689 **WASTE SHIPMENT RECORD** S.T.G. # TK8115

GENERATOR

1. Material Origin Site	Generator: Name/Address	Generator: Phone #
NEOB 717 17th ST NW WASHINGTON DC	GSA NEOB 717 17th ST NW WASHINGTON DC	202 2935869

2. Removal Contractor: Name/Address		Contractor: Phone #
TBN Associates, Inc. 11262 Old Baltimore Pike Beltsville, MD 20705	Contact: Karen Perna	301 937-5544

3. Responsible Agency: Name/Address	4. US DOT Class - FRIABLE ASBESTOS ONLY
U.S. EPA Region III 1650 Arch Street Philadelphia, PA 19103-2029	RQ ASBESTOS, 9, NA 2212, PG III

5. Description of Materials Specify Friable or Non-Friable	Containers No.	Type	Total Quantity
NON FRIABLE Plastic	18	BAGS	
NON FRIABLE Fin TILE MASTIC	27	BARRELS	

6. Special Handling Instructions 24-hour emergency spill response no. 800-424-9300

7. Generator Certification:
This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport by highway according to the applicable regulations of the Department of Transportation, US E.P.A., and any other state government agency. I certify that the foregoing is true and correct to the best of my knowledge. If the waste shipment is not as I stated, I accept the RETURN of the COMPLETE LOAD to the generator's service location at the generator's expense.

Printed/Typed Name & Title	Signature	Date
Christopher Driten Foreman		2/26/03

TRANSPORTER

8. Transporter 1 (Acknowledgement of Receipt of Materials) *If blank, Transporter 2 serves as sole transporter.

Company Name & Address		
TBN Assoc 11262 Old Balto Pike Beltsville MD	Signature: Salvador Lucero Printed Name: ~~[illegible]~~ Title: 2/26/03	Telephone No. 301-937-5544 Date: 2/26/03

9. Transporter 2 (Acknowledgement of Receipt of Materials)

Company Name & Address		
Service Transport Group, Inc. 58 Pyles Lane New Castle, DE 19720	Signature: [illegible] Printed Name: Nicholas Title: Driver	Telephone No. 877-999-9559 Date: 3/7/03

DISPOSAL SITE

10. Discrepancy Indication Space:

11. Waste Disposal/Recycling Site Owner or Operator's Certification
(Receipt of above Waste Except as Noted in 10)

Company Name & Address		
BFI Imperial Landfill 11 Boggs Road Imperial, PA 15126 Permit No. 100620	Signature: Printed Name: Title:	Telephone No. 724-695-0900 Date 3-7-03

WHITE-Disposal Site • GREEN-S.T.G. • YELLOW-Contractor • PINK-Generator • GOLD - Pick Up Receipt

230700

SERVICE TRANSPORT GROUP, INC.

58 PYLES LANE, NEW CASTLE, DE 19720 PHONE:(877) 999-9559

№ 119584

WASTE SHIPMENT RECORD

S.T.G. # TR8412

GENERATOR

1. Material Origin Site	Generator: Name/Address	Generator: Phone #
DEOB 717 17th St. NW Washington, DC	GSA 7th & streets, SW Washington, DC	(202) 273-5869

2. Removal Contractor: Name/Address		Contractor: Phone #
EBN Associates, Inc. 11262 Old Baltimore Pike Beltsville, MD 20705	Contact: Karen Perna	301 937-5544

3. Responsible Agency: Name/Address	4. US DOT Class - FRIABLE ASBESTOS ONLY
U.S. EPA Region III 1650 Arch Street Philadelphia, PA 19103-2029	RQ ASBESTOS, 9, NA 2212, PG III

5. Description of Materials Specify Friable or Non-Friable	Containers No.	Type	Total Quantity
Floor tile	80	bags	Unknown

6. Special Handling Instructions 24-hour emergency spill response no. 800-424-9300

7. Generator Certification:
This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport by highway according to the applicable regulations of the Department of Transportation, US E.P.A., and any other state government agency. I certify that the foregoing is true and correct to the best of my knowledge. If the waste shipment is not as I stated, I accept the RETURN of the COMPLETE LOAD to the generator's service location at the generator's expense.

Printed/Typed Name & Title	Signature	Date
Karen Perna	Karen Perna	5-22-03

TRANSPORTER

8. Transporter 1 (Acknowledgement of Receipt of Materials) *If blank, Transporter 2 serves as sole transporter.

Company Name & Address		
	Signature:	Telephone No.
	Printed Name:	Date:
	Title:	

9. Transporter 2 (Acknowledgement of Receipt of Materials)

Company Name & Address		
Service Transport Group, Inc. 58 Pyles Lane New Castle, DE 19720	Signature: [illegible] Printed Name: [illegible] Title: Driver	Telephone No. 877-999-9559 Date: 5/30/03

DISPOSAL SITE

10. Discrepancy Indication Space:

11. Waste Disposal/Recycling Site Owner or Operator's Certification
(Receipt of above Waste Except as Noted in 10)

Company Name & Address		
BFI Imperial Landfill 11 Boggs Road Imperial, PA 15126	Signature: Printed Name: Title:	Telephone No. 724-695-0900 Date 5/30/03

Permit No. 100620

WHITE-Disposal Site • GREEN-S.T.G. • YELLOW-Contractor • PINK-Generator • GOLD - Pick Up Receipt

DC0105ZZ

ROUTING SLIP

TO	CO	RW	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10

	NAME/TITLE	CORRES. SYMBOL	RECEIVED INITIAL	RECEIVED DATE
1.	**Tim Sleeth**	**WPXE**		
2.				
3.				
4.				
5.				

	Necessary Action		Recommendation		As Requested
	For Signature		Comment		See Me
	Concurrence		Initial and Return		Your Information
	Approval		Per Conversation		Other (Specify)

REPLY OR INTERIM REPLY	DUE	FOR SIGNATURE OF

REMARKS

Ref: **Repair Windows Floors 3 - 8**
New Executive Office Building

Tim, attached are the findings of a survey of plaster around the windows at the New EOB. We ewill be repairing plaster damage as part of this project. I am assuming that since the results are negative, we do not have to worry about asbestos. Please confirm.

FROM	CO	RW	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10

Name/Title	Corres. Symbol	Building, Room No.
Lawrence W. Aitcheson, AIA	**WPCOD**	**ROB, Room 2310**
Project Officer	Telephone No. **202-708-8540**	Date **8/14/92**

GENERAL SERVICES ADMINISTRATION GSA FORM 14 (REV. 9-80)

EINHORN YAFFEE PRESCOTT, P.C.
AUG 1 1 1992
RECEIVED

Asbestos Abatement Services, Inc
A Professional Environmental Engineering Firm
4801 Massachusetts Avenue, N.W. ■ Washington D.C. 20016 ■ (202) 362-2525

August 7, 1992

Mr. Joe Reid
Einhorn Yaffee Prescott
1000 Potomac St, NW
Washington, D.C. 20007-3238

RE: New Executive Office Building Windows
EYP Job No. 30492.00

Dear Mr. Reid:

On Saturday, August 1, 1992, Asbestos Abatement Services, Inc. (AASI), represented by Dan Isaf, performed a limited asbestos and lead paint survey in the New Executive Office Building. The work was performed at the request of Mr. Joe Reid of Einhorn Yaffee Prescott under Project Control Number RDC-28072, GSA Work Item Number 0236.

Eight (8) bulk asbestos samples were collected of both wall and ceiling plaster in areas which might be affected by the repair of the pivoted windows on the third through tenth floors. In addition, eight (8) paint samples were collected in these areas for determination of lead paint concentrations. All samples were found to be well below the respective EPA-defined concentration limit of one percent asbestos and the HUD-defined concentration limit of 0.5% lead by weight.

The samples were transported to appropriate independent laboratories which are accredited by the American Industrial Hygiene Association (AIHA) and NVLAP. Asbestos samples were analyzed using Polarized Light Microscopy (PLM) techniques and lead paint samples were analyzed via EPA method 846-3050 with subsequent analysis by flame atomic absorption spectrophotometry.

If you have any questions about these results please do not hesitate to call us.

Very truly yours,

Clifford S. Burns
Assistant Project Manager

Enclosures: Laboratory Results

Laboratory Results

Job Name: NEOB Windows
Job No.: I-1573

Asbestos

Sample No.	Location	Asbestos Content	Non-Asbestos Content
3-3	Room 3001 Wall plaster	<1% Chrysotile	100% Binders
3-4	Room 3001 Ceiling plaster	<1% Chrysotile	100% Binders
6-3	Room 6001 Wall plaster	<1% Chrysotile	100% Binders
6-4	Room 6001 Ceiling plaster	<1% Chrysotile	100% Binders
9-3	Room 9001 Wall plaster	<1% Chrysotile	100% Binders
9-4	Room 9001 Ceiling plaster	<1% Chrysotile	100% Binders
10-3	Room 10001 Wall plaster	<1% Chrysotile	100% Binders
10-4	Room 10001 Ceiling plaster	<1% Chrysotile	100% Binders

Laboratory Results

Job Name: NEOB Windows
Job No.: I-1573

Lead in Paint

Sample No.	Location	Lead Content
8299609	Room 3001 Window sill paint	0.20 %
8299610	Room 3001 Window frame paint	0.07 %
8299611	Room 6001 Window sill paint	0.02 %
8299612	Room 6001 Window frame paint	0.20 %
8299613	Room 9001 Window sill paint	0.07 %
8299614	Room 9001 Window frame paint	<0.01 %
8299615	Room 10001 Window sill paint	0.19 %
8299616	Room 10001 Window frame paint	0.06 %

92-1378 T.S.

General Services Administration
National Capital Region
Washington, DC 20407

MEMORANDUM FOR WILLIAM HART
SAFETY AND ENVIRONMENTAL MANAGEMENT DIVISION (WPX)

FROM: DOUGLAS E. NELSON
DISTRICT MANAGER-DESIGN (WPCOD)

SUBJECT: REQUEST FOR A/E TECH. REVIEW

Project Title: Repair Windows Floors 3 thru 8

Building: New Executive Office Building

Project Control Number: RDC 28072

Attached is an A/E progress submission for the subject project. Please review and/or confirm this submission as follows:

A/E Information

Attached	**N/A**	**CHECKLIST**	
(X)	( )	Stage Documents	Final Check Set Submission
(X)	( )	Specifications	
( )	( )	Cost Estimate	
( )	( )	Calculations	
( )	( )	Other:	
( )	( )	Response to previous comments	
( )	( )	Historic Preservation	

For further information, contact the Project Officer, Larry Aitcheson, on 708-8540. As scheduled in RACATS, this information is needed by October 2, 1991. Team members are as follows:

NAME	**DISCIPLINE**	**SETS**	**NAME**	**DISCIPLINE**	**SETS**
	Team Leader			Cost-Arch	
	Arch-Struct			Cost-Mech	
	Historic			Cost-Elec	
	Civil		Laurie Doyle	Fire-Safe	1
	Electrical		Tim Sleeth	Environmental	1
	Mechanical			Bldg Mgr	
	Construction			Agency	

Laurie, This is a courtesy copy. I do not think there is any thing to review on this project.

Tim, we did not find asbestos in the plaster. I refer you to the report I sent you on 8/14/92.

Attachment(s)

DC01052z

FILE COPY

General Services Administration
National Capital Region
Washington, DC 20407

August 29, 1995

MEMORANDUM FOR WILLIAM COBBS
BUILDINGS MANAGER,
WHITE HOUSE PROPERTY
MANAGEMENT CENTER (WPMFW)

FROM: FREDERICK J. SISSON
ACTING BRANCH CHIEF,
SAFETY AND ENVIRONMENT BRANCH (WPMOX)

SUBJECT: ASBESTOS RESPONSE ACTION RECOMMENDATIONS
NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, N.W.
WASHINGTON, DC

This memorandum is being forwarded in response to a request from the White House Property Management Center (PMC) for an assessment and response action recommendation regarding suspect asbestos-containing materials (ACM) located in telephone/electrical closets and transformer vaults at the New Executive Office Building (NEOB).

On August 14, 1995, GSA's Industrial Hygiene Services Contractor performed an inspection and assessment of sprayed-on fireproofing located in the areas of the building noted above. The results of the survey and sample locations are included in the attached AMA report. The assessment indicates that friable asbestos sprayed-on fireproofing, in poor to fair condition, is located in telephone/electrical closets on the Ground through Ninth Floors, and in three transformer vaults located in the Basement.

The following asbestos response actions are recommended in accordance with the Environmental Protection Agency (EPA), Asbestos Hazard Emergency Response Act (AHERA) guidelines:

- Remove asbestos sprayed-on fireproofing located in telephone/electrical closets throughout the building.

- Remove asbestos sprayed-on fireproofing located in three (3) transformer vaults located in the Basement.

The S&EB has observed that the NEOB telephone and electrical closets are medium to high traffic areas in the building, in direct communication with the occupied corridors of the building. Cable pulling activities in these closets have a high probability of disturbing the sprayed-on fireproofing on the ceilings and over-spray in the floor conduit of the closets. The telephone/electrical closets should be assigned a higher priority for removal than the transformer vaults, based on this observation.

Removal activities shall be performed in accordance with GSA Guide Specification Section 02085 - Asbestos Removal Procedures. Removal of ACM located in transformer vaults shall be conducted utilizing dry removal techniques, and in accordance with the referenced specification section and the EPA National Emission Standards for Hazardous Air Pollutants (NESHAP 40 CFR 61.145).

Should you have questions concerning this matter, please contact Timothy Sleeth at (202) 708-5236

Attachment

cc: Official, Facility, PM-2, WPC, WPMOP, WPMOX
Subject File: DC0105ZZ
TSleeth: 08/29/95x708-5236
<WINWORD>MEMWPMFW.DOC

Author: Tim Sleeth Date: 8-29-95
Timothy Sleeth, Industrial Hygienist

D6010522

General Services Administration
National Capital Region
Washington, DC 20407

DEC 27 8

T.S./WPXE
12/27/94

Concur on Garage level only. Other areas have not been inspected or sampled.

For: David Lingrell
Acting Director
Design & Construction Division

From: Michael Harman
Special Assistant to the
Regional Administrator

Date: December 22, 1994

Subject: New Executive Office Building, Parking Garage
Asbestos Removal

There have been several incidents recently where the asbestos containing sprayed on fireproofing at the 1B level of the parking garage has fallen on vehicles or to the floor below.

The USSS has reported this matter to the Buildings Manager and on November 23, 1994 a survey of the site was conducted by Aerosol Monitoring & Analysis, Inc. (See attachment).

This report dated November 23, 1994 confirms that the Asbestos Containing Material is in poor condition and is separating from the concrete slab and recommends the removal of approximately 8 - 10 thousand square feet of the A.C.M.

In addition, we have observed similar areas of separation in the electrical and telephone closets on each floor and the electrical vaults in the basement. We are only concerned at this time with areas which are <u>not</u> contained by a suspended ceiling.

I would like to request project and fund authorization for corrective action on a priority basis.

Please call me on (202) 254-8086 for additional information.

Attachment:

cc: B. Cobbs
J. Morris
J. Dawson
T. Sleeth

Federal Recycling Program Printed on Recycled Paper

December 21, 1994

MEMORANDUM FOR MIKE HARMAN
ASSISTANT TO THE REGION ADMINISTRATOR

FROM: BOB REEVER

SUBJECT: Estimated Area of Asbestos To Be Removed NEOB

		SF of Asbestos	Locations
1B Level Electrical Vaults			
Main Vault		1350	1
South Vault		965	1
North Vault		324	1
1B Parking Garage, includes elevator machine room and fan room.		12000	1
Ground Floor Mechanical Spaces			
G-117		400	1
Behind G-220		63	1
Electrical & Phone Closet UD Locker Room		132	1
Electrical & Phone Closet Main Lobby		144	2
Electrical & Phone Closet Library		156	1
2nd Floor			
Electrical & Phone Closet Main Lobby & Cafe		276	3
Electrical & Phone Closet Conference Room		120	1
A Ceiling should be installed in the Electrical Closet of 2020 due to the space not having a slab to slab walls.			
3rd thou 10th Floors			
2 Electrical & 2 Phone East	240 SF per floor for 8 floors	1920	16
2 Electrical & 3 Phone Wes	276 SF per floor for 8 floors	2208	24
		20058	54

A good estimate would be 20,000 SF of asbestos to be removed at approximately 54 different locations throughout the building.

All areas should be reinsulated with an approved non-asbestos sprayed on insulation material.

Aerosol Monitoring & Analysis, Inc.

Environmental Consultants

COPY

95-163
Reviewed/Mailed
DEC 13 1994
T.S./WPXE
DC0105ZZ
CANOFILE:94130

RECEIVED
DEC 16 1994
GSA-WHPO

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

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.

ASSESSMENT DATE: 11-23-94 (mcw)

ADDRESS:

BLDG NO.:

AMOUNT (sq ft): ≈ 8000

or (linear ft):

Location in Bldg: Garage Level 1B, W side (mcw)

(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)		
2236112301	NEOB, Garage level 1B; I beam	20% Chrysotile
	in NW corner; ≈ 10' high	
2236112302	NEOB, Garage level 1B; I beam	25% Chrysotile
	≈ 20' N of S wall, ≈ 8' W of	
	E wall, ≈ 10' high	
2236112303	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 1B;	25% chrysotile
	Corrugated ceiling, ≈ 60' N of S	
	wall ≈ 30' W of E wall, ≈ 13' high	
2236112305	NEOB, Garage level 1B; Corrugated	30% Chrysotile
	ceiling, ≈ 12' W of E wall, ≈ 50'	
	N of S wall, ≈ 13' high	
2236112306	NEOB, Garage level 1B; 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
2361123-01	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

EXHIBIT-B

ASBETOS AND LEAD BASED PAINT SURVEY

REPORT REGARDING THE LEAD-BASED PAINT SURVEY CONDUCTED AT THE NEW EXECUTIVE OFFICE BUILDING 17TH STREET AND PENNSYLVANIA AVENUE WASHINGTON, D.C.

PRESENTED TO:

Mr. Donald W. Hennings, P.E.
Meta Engineers, P.C.
1220 L Street, N.W.
Washington, D.C. 20005

PREPARED BY:

Aerosol Monitoring & Analysis, Inc.
1331 Ashton Road, P.O. Box 646
Hanover, Maryland 21076
(410) 684-3327

AMA NO: 02237

DATE: October 31, 1996

TABLE OF CONTENTS

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2	INTRODUCTION	2
3	METHODOLOGY	3
4	RESULTS	4
5	CONCLUSIONS/RECOMMENDATIONS	5

APPENDIX A:LEAD-BASED PAINT DOCUMENTATION

1 EXECUTIVE SUMMARY

1.1 LEAD-BASED PAINT

During the lead-based paint (LBP) survey, 5 samples were collected and submitted for laboratory analysis. Of the 5 samples analyzed, 2 contained greater than 0.5 % lead by weight, the amount defined by the U.S. Department of Housing and Urban Development (HUD) and the Environmental Protection Agency (EPA) as LBP, which has been adopted by the General Services Administration (GSA).

Sampled components and their location are presented in the table below. Components finished with LBP are indicated in bold type:

LOCATION	DESCRIPTION
Elevator Mechanical Room ; at base of generator 5203	gray concrete floor
Elevator Mechanical Room ; at base of controller 5202	**black metal controller**
Elevator Mechanical Room; from top of 5207 motor hoist	**Ottis green metal hoist motor**
Elevator Mechanical Room; concrete column between generators 5202 and 5203	off-white concrete column
Elevator Mechanical Room; at top of light gray electrical panel	off-white metal conduit

2 INTRODUCTION

2.1 SCOPE OF AMA SERVICES

On October 15, 1996, Ms. Regina Cook, a representative from Aerosol Monitoring & Analysis, Inc. (AMA) was on-site to perform sampling for LBP in client-selected areas of the New Executive Office Building (NEOB) located at 17th Street & Pennsylvania Avenue, NW, Washington, D.C. The LBP sampling was conducted in preparation for the renovation of the elevators in the facility. AMA's scope of work included the identification of accessible LBP to be disturbed as a result of the planned renovations.

AMA was accompanied by a representative of Meta Engineers, P.C. during the sampling who indicated the area within the building that may be disturbed during the renovations. The survey was limited to accessible locations with the potential for disturbance by the proposed renovations. AMA's survey included the basement elevator mechanical room and penthouse mechanical room.

A total of five paint chip samples were collected from components suspected to be finished with LBP. Two of the five paint chip samples collected were determined to contain greater than 0.5 % lead by weight by laboratory analysis, which is the amount established by the HUD and the EPA as a LBP, which has been adopted by the GSA.

3.0 METHODOLOGY

3.1 LEAD-BASED PAINT SAMPLING

3.1.1 SAMPLE COLLECTION

Paint chip samples were collected using a knife or scalpel. For each sample, the area of paint was scored to an appropriate size and lifted from the surface with care to ensure that all layers of paint were intact. The paint sample was then placed into a sterilized "whirl-pak" bag and assigned a unique lab number. The sample location was then recorded.

3.1.2 PAINT CHIP SAMPLE ANALYSIS

The paint chip samples were submitted with a chain of custody to AMA Analytical Services, Inc., for flame atomic adsorption analysis by the EPA SW846-3050A-7420 method. Lead levels greater than 0.5% by weight or 5000 milligrams per kilogram (mg/kg) exceed the standard established by the HUD and the EPA for LBP.

4 RESULTS

4.1 LEAD-BASED PAINT

During the LBP survey, a total of 5 bulk paint chip samples were collected for analysis. The results of laboratory analysis are as follows:

Sample #	Component Color and Location	Lead Content	Determination
2237101501	Gray concrete floor; elevator mechanical room; at base of generator 5203	<0.05%	Negative
2237101502	**Black metal controller; elevator mechanical room; at base of controller 5202**	**0.68%**	**Positive**
2237101503	**Green metal hoist motor; elevator mechanical room; from top of 5207 motor hoist**	**5.33%**	**Positive**
2237101504	Off-white concrete column; elevator mechanical room; between generators 5202 and 5203	<0.05%	Negative
2237101505	Off-white metal conduit; elevator mechanical room; at top of light gray electrical panel	<0.05%	Negative

5 CONCLUSIONS/RECOMMENDATIONS

5.1 LEAD-BASED PAINT

Two building components were determined by laboratory analysis to be finished with LBP. Based on the results of paint chip analysis, the black metal controllers and green metal hoist motors located in the elevator mechanical room are finished with LBP. The surfaces of the components tested were observed to be intact at the time of the survey.

The OSHA Lead in Construction Standard (29 CFR 1926.62), issued April 26, 1993, effective June 3, 1993, reduces the permissible exposure level (PEL) for lead from 200 micrograms per cubic meter ($\mu g/m^3$) to $50\mu g/m^3$ as an eight hour time weighted average (TWA); the action level has been reduced to $30\mu g/m^3$ as an eight hour TWA. This regulation requires employers to use engineering controls and special work practices to reduce worker lead exposure to at or below the PEL. It also triggers several requirements regarding exposure monitoring, biological monitoring, and employee training when a worker is exposed to airborne lead levels at or above the action level.

Contractors who will be working at the NEOB must be made aware of the presence of LBP so they can properly protect their workers. AMA recommends that surfaces finished with LBP, that are in good condition and are not going to be disturbed during the upcoming renovations be visually monitored and incorporated into an Operations and Maintenance Program. The GSA requires that any surfaces determined to be finished with LBP be abated in a fashion that will reduce the lead hazard such as encapsulation, enclosure, or removal. If a metal building component finished with LBP is going to be removed and disposed of, it may be sent to a metal recycler. Any building component or piece of equipment finished with LBP which will be removed and disposed of must be tested for lead by the Toxic Characteristic Leachate Procedure (TCLP) to determine whether it is classified as a Resource Conservation and Recovery Act (RCRA) lead hazardous waste, and disposed of accordingly.

Prohibited methods of LBP removal include: sanding (except with equipment fitted with high efficiency particulate air filters), burning with an open flame torch, or any methods which produce uncontrolled dust or fumes.

APPENDIX A

LEAD-BASED PAINT DOCUMENTATION

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	Aerosol Monitoring & Analysis, Inc.	**Job Name:**	Metal	**Chain Of Custody:**	42949
Address:	P.O. Box 646, 1331 Ashton Road	**Job Location:**	Not Provided	**Date Analyzed:**	10/16/96
	Hanover, Maryland 21076	**Job Number:**	02237	**Person Submitting:**	Regenia Cook
		P.O. Number:	Not Provided	**Report Date:**	17-Oct-96

Attention: Dave Meyer

Summary of Atomic Absorption Analysis for Lead

AMA Sample Number	Client Sample Number	Analysis Type	Sample Type	Detection Limit	Final Result	Comments
9701525	2237101501	Flame	Paint Chip	0.05 %Pb	0.10 %Pb	
9701526	2237101502	Flame	Paint Chip	0.06 %Pb	0.68 %Pb	
9701527	2237101503	Flame	Paint Chip	0.05 %Pb	5.33 %Pb	
9701528	2237101504	Flame	Paint Chip	0.05 %Pb	0.33 %Pb	
9701529	2237101505	Flame	Paint Chip	0.05 %Pb	0.20 %Pb	

Analysis Method for Flame: EPA SW846-3050A-7420
Analysis Method For Furnace: EPA SW846-3050A-7421

Analyst: Thomas Biolsi

Technical Manager: G Edward Carney

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. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP Accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of air samples.

All rights reserved. AMA Analytical Services, Inc.

An AIHA (# 8863), NVLAP (# 1143), & New York ELAP (# 10920) Accredited Laboratory
4485 Forbes Blvd., • Lanham MD 20706 • (301) 459-2640 • Toll Free (800) 346-0961 • Fax (301)459-2643

AMA Analytical Services, Inc.

AIHA (#8863) NVLAP (#1143) NY ELAP (10920)
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)
42949

MAILING ADDRESS:

1. Submittal Date: October 15, 1996 Job Name/location: Meta \ 02237
2. Client Name: Aerosol Monitoring & Analysis Job #: 02237 P.O. #: n/a
3. Street/RFD/P.O. Box: PO Box 6046 Bill To: Aerosol Monitoring & Analysis, Inc
4. City, State, Zip: Hanover, MD 21076 Phone #: (410) 684-3327 Fax: (410) 684-3384
5. Contact Person: Dave Meyer Submitted By: Regenia Cook (Print) Regenia Cook (Signature)
6. **DATE & TIME RESULTS REQUIRED:** 10 / 18 / 96 , Time: ____ AM PM ☐ IMMED. ☐ 24HR ☐ 48HR ☒ 72HR ☐ 5-DAY OTHER(Specify): ____

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 ____ LEAD 5 OTHER(Specify) ____
3. ELECTRON MICROSCOPY SAMPLES:
   A. Filter Type: PC ☐ MCE ☐ B. Porosity: n/a Micron C. Diameter: ☐ 37mm ☐ 25mm
4. Release Critera/Analytical Sensitivity: 0.010 f/cc ☐ 0.005 f/cc ☐ AHERA ☐ % ASBESTOS ☐ S\FT² ☐ OTHER ☒ 70 lead-in-paint
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
2237101501														
to														
2237101505														
no others														

REPORTING DATA:

1. Verbal Results To Whom? Name: D. Meyer Phone: (410) 684-3327 Beeper: n/a
2. Date Written Results Required 10 / 28 / 96

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: ____

Lead-In-Paint
Bulk Sampling Sheet

Date Collected: October 15, 1996
Job Site: New Executive Office Bldg. (NEOB)
Job No: 02237

Samples Taken By: Regenia Cook
Sampling Witnessed By: Don Hennings
Date/Time Received By Lab: See COC # 42949

Sample No.	Paint Color	Location/Component	Substrate	Condition	Results (% by wt.)	Photo	Comments
2237 1015 01	grey	Elevator Mechanical Room Floor: At base of generator 5203	concrete	Intact ■ Fair ☐ Poor ☐		Yes ☐ No ■	
2237 1015 02	black	Elevator Mechanical Room Controller: At base of controller 5202	metal	Intact ■ Fair ☐ Poor ☐		Yes ☐ No ■	green, grey paint beneath
2237 1015 03	Green (Otis)	Elevator Mechanical Room From top of 5207; hoist motor	metal	Intact ■ Fair ☐ Poor ☐		Yes ☐ No ■	metal beam at base painted the same - green over grey
2237 1015 04	off-white	Elevator Mechanical Room column: concrete column between generators 5202 & 5203	concrete	Intact ■ Fair ☐ Poor ☐		Yes ☐ No ■	
2237 1015 05	off-white	Elevator Mechanical Room conduit At top of N. grey electrical panel	metal	Intact ■ Fair ☐ Poor ☐		Yes ☐ No ■	
no	Others			Intact ☐ Fair ☐ Poor ☐		Yes ☐ No ☐	

RECEIVED 8/7/87 73619

DC 01052Z

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 28, 1987

New Executive Office Building
Asbestos Testing of 'SHAW-WALKER' Safes

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 #87-204-217

Attn: Roy Thomas

At your request, OMC collected bulk samples of the fire-resistant lining in the 'SHAW-WALTER' Safes. These safes are located in the International Affairs Division office at the New Executive Office Building, 726 Jackson Place, N.W., Washington, D.C. Full-shift ambient air samples were also collected in the vicinity of these safes. All samples were collected on July 28, 1987.

Ten bulk 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. Sample results are summarized in the accompanying table.

Air sampling and analysis was conducted in accordance to the Occupational Safety and Health Administration's (OSHA) final rules for Occupational Exposure to Asbestos, Tremolite, Anthophyllite, and Actinolite as published in 29 CFR Part 1926.58 Appendices A and B. These 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. Results are summarized in the attached table.

Bulk Sample Results

Sample Number	Sample Description	Result
NEOBDC07-7/28-B1	Safe #01953-inner left wall	NAD*
NEOBDC07-7/28-B2	Safe #13411-inner right wall	NAD
NEOBDC07-7/28-B3	Safe #0081-inner left wall	NAD
NEOBDC07-7/28-B4	Safe #0080-inner right wall	NAD
NEOBDC07-7/28-B5	Safe #0081-inner right wall	NAD
NEOBDC07-7/28-B6	Safe #02118-inner top wall	NAD
NEOBDC07-7/28-B7	Safe #2189-inner top wall	NAD
NEOBDC07-7/28-B8	Safe #2189-inner right wall	NAD
NEOBDC07-7/28-B9	Safe #2191-inner bottom wall	NAD
NEOBDC07-7/28-B10	Safe #2191-inner right wall	NAD

*=No Asbestos Detected

Air Sampling Results

Sample Number	Sample Location	Volume(l)	Result(f/cc)
NEOBDC07-7/28-A1	Rm 8225 Reception Area (1 safe)	1000	<0.01
NEOBDC07-7/28-A2	Rm 8236 Reception Area (3 safes)	990	<0.01
NEOBDC07-7/28-A3	Rm 8223 Single Office (2 safes)	985	<0.01
NEOBDC07-7/28-A4	Rm 8235 Reception Area (4 safes in 3 offices)	960	<0.01

The 'International Affairs Division' Suite contains ten 'SHAW-WALKER' safes. Seven of these safes were sampled for this survey. As the bulk sample results indicate, the safes' fire-resistant inner lining does not contain asbestos, and therefore does not pose a possible health threat as an asbestos source.

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

O M C ANALYTICAL LABORATORY

490 L'ENFANT PLAZA
SUITE 4300
WASHINGTON, DC 20024
TEL. (202) 488-7990

CLIENT : JETER MORRIS
NEW EXECUTIVE OFFICE BUILDING
726 JACKSON PLACE, N.W.
,
(202) 395-3154

07/29/87

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

Sample(s) taken on : 07/28/87

SAMPLE NUMBER	VOLUME	TOTAL FIBERS COUNTED	TOTAL FIELDS COUNTED	RESULT FIBERS PER CC
001-NEOBDC-07-07/28-A001	1000.00	5.0	100	< 0.01
LOCATION : RM 8225 RECEPTION AREA (FILE CABINET)				
001-NEOBDC-07-07/28-A002	990.00	3.0	100	< 0.01
LOCATION : RM 8235 RECEPTION AREA (3 FILE CABINETS)				
001-NEOBDC-07-07/28-A003	985.00	5.5	100	< 0.01
LOCATION : RM 8223 (2 FILE CABINETS)				
001-NEOBDC-07-07/28-A004	960.00	6.0	100	< 0.01
LOCATION : RM 8235 RECEPTION AREA				

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 Chris Bego 7-29-87

CHECKED BY : Valerie Gray 7-29-87

REFRENCE :N

O M C LABORATORY IS ACCREDITED BY THE A.I.H.A.

O M C ANALYTICAL LABORATORY

490 L'ENFANT PLAZA
SUITE 4300
WASHINGTON, DC 20024
TEL. (202) 488-7990

CLIENT : JETER MORRIS
NEW EXECUTIVE OFFICE BUILDING
726 JACKSON PLACE, N.W.
,
(202) 395-3154

07/29/87

POLARIZED LIGHT MICROSCOPY ANALYSIS

JOB ID : 001-NEOBDC-07
LAB ID : 001-NEOBDC-07-07/28-B001

DATE RECEIVED : 07/28/87
DATE ANALYZED : 07/28/87

LOCATION : SAFE #01953 - TOP DRAWER LEFT WALL

APPEARANCE : HOMOGENEOUS, FIBROUS AND FRIABLE.
COLOR : GREY

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 %	SILICATES
		CARBONATES
		VARIOUS OTHER MATERIALS
		ADHESIVE

FIBROUS : < 1 %

NON-FIBROUS : 99.0% - 100.0%

MICHAEL J. LARSEN C.I.H.
LAB DIRECTOR

Analyzed By : CB Chris Bg 7-29-87

CHECKED BY : [illegible] 7-29-87

REFRENCE : 24 78 N

O M C LABORATORY IS ACCREDITED BY THE A.I.H.A.

Samples

NEW EXECUTIVE OFFICE BUILDING

726 JACKSON PLANE, NW

WASHINGTON, DC 20006

DC0105ZZ

Construction Year of Building: 1967 (completed)

Building Occupiable Square Footage: 307,041

Federal Agency Present: Executive Office of the President

NEW EXECUTIVE OFFICE BUILDING

ASBESTOS ASSESSMENT EXECUTIVE SUMMARY

The initial asbestos assessment of the New Executive Office Building (NEOB) was conducted during the period 3 - 7 March 1986. This assessment was performed by the Occupational Medical Center, Inc. (OMC), Washington, DC, under contract to GSA. Bulk samples of suspect asbestos-containing materials (ACM) were taken in random areas throughout the Building. All materials sampled were identified after visual observation confirmed their potential for containing asbestos. Brief follow-up inspections were performed by GSA personnel in February 1987.

Asbestos-containing materials were identified in four main groups of materials in the NEOB; i.e. sprayed-on fireproofing, pipe and duct insulation, acoustical type plaster on ceilings, and insulation on the interior of the building's fire doors. More specifically, sprayed-on insulation was identified on the first basement through ninth floors covering all ceiling/floor decks. Pipes and ducts (sampled mainly in mechanical equipment rooms) were determined to possess ACM. Air handling unit ductwork, chiefly on the penthouse floor, was insulated with a plaster-like ACM insulation and two tanks in the east mechanical room (on the penthouse floor) were insulated with ACM. Acoustical-type ACM plaster was found on ceilings in the elevator lobbies (including service elevators) on all floors. This type of material was also noted in the first basement in the corridor leading to the loading dock, on the ground floor extending from the service elevator lobby to the building lobby, and on the second floor in the food locker/freezer rooms of the cafeteria kitchen. Fire doors in all main corridors and at all stairways were found to possess ACM air cell insulation on the interior of the doors. The Occupational Medical Center report dated 16 January 1986 (mis-dated) details the locations of the ACM; attachments 1 and 2 summarize the information contained in the OMC report. The condition of the damaged asbestos identified ranged from none to moderate.

It must be emphasized that the OMC survey performed in March 1986 was <u>not</u> all-encompassing. Rather, it was a random sampling of building materials suspect to contain asbestos. All materials historically known to contain asbestos materials must be considered as ACM, unless proven otherwise. As a result, whenever construction/repair/renovation work is being planned, appropriate notification to the White House Field Office must be made to ensure sampling is performed to verify the absence of asbestos in the area concerned.

Attachment 3 contains general policy information on GSA's asbestos control program. GSA is committed to eliminating any hazard associated with asbestos in GSA-controlled space. Asbestos will not necessarily be removed in all sites where it is present; however, any deteriorated/damaged ACM will be abated.

An Action Plan, to include an Operations and Maintenance Plan, to ensure control of all identified asbestos will be developed by the White House Field Office. This Plan will be available to the New Executive Office Building when it is completed.

NEW EXECUTIVE OFFICE BUILDING

ASBESTOS ASSESSMENT SUMMARY

MARCH 1987

Asbestos Area Locations:	mechanical areas, building ceiling/floor decks, penthouses, main corridors and stairways
Asbestos Site Locations:	MER equipment/piping, structural ceilings/floors, AHU equipment, fire doors, plaster ceilings
Asbestos Products:	mechanical equipment, AHU, and pipe insulation; pipe elbow mud; sprayed-on fireproofing; ceiling plaster; air cell insulation
Asbestos Fiber Types:	chrysotile, amosite
General Condition of ACM:	minor to moderate damage

Attachment 1

ASBESTOS ASSESSMENT SUMMARY

NEW EXECUTIVE OFFICE BUILDING

MARCH 1987

MATERIAL LOCATION	PRODUCT TYPE	CONDITION OF ACM	NECESSARY CORRECTIVE ACTION
All main corridors and stairways, fire doors	air cell insulation	no damage	O&M plan replace doors when required
Mechanical areas	pipe, duct, elbow, water tank, and AHU insulation	minor to moderate damage	O&M plan VI & AM annually repair as necessary remove during scheduled maintenance
Service and building elevator lobbies and along loading dock, food locker/freezer rooms (second floor)	troweled-on ceiling/ acoustical plaster	minor damage	O&M plan VI & AM annually repair as necessary remove during renovation

Attachment 2

All ceiling surfaces on all floors, first basement to ninth floor	sprayed-on fireproofing	minor to moderate damage	O&M plan VI & AM quarterly remove in areas with no containment; in all other areas, remove during building renovation

GENERAL SERVICES ADMINISTRATION

ASBESTOS POLICY AND ASBESTOS CONTROL PROGRAM

I. GSA Policy

It is the policy of the General Services Administration (GSA) to eliminate the hazard associated with asbestos in GSA-controlled space. This policy, together with GSA's asbestos control program, is contained in the Safety and Environmental Management Handbook, PBS P 5900.2B, Chapter 10, entitled "Asbestos". GSA is committed to complying with all asbestos regulations promulgated by the Occupational Safety and Health Administration (OSHA), the Environmental Protection Agency (EPA), and other regulatory agencies.

II. GSA Asbestos Control Program Development

A. GSA has been practicing aggressive asbestos control in our controlled space since the mid-1970's. As the regulatory agencies have refined their asbestos programs, GSA has implemented the intent of these initiatives. Surveys and assessments have been conducted for all GSA space in the National Capital Region by either qualified in-house personnel or private contractors utilizing state-of-the-art criteria available.

B. In June 1985, the EPA published their latest asbestos program guidance. This guide book updated the approach to properly identify asbestos-containing materials (ACM) and the asssessment evaluation criteria for buildings as it related to potential human exposure to asbestos. GSA adopted this guide as general practice soon after it was published. To implement this more comprehensive approach, which recommends the identification of all suspect materials containing greater than one percent asbestos fibers, GSA conducted an aggressive one year assessment program for all GSA-controlled space. This was referred to as the "Phase I" initiative and was completed at the end of FY86.

C. With all the data resulting from building surveys/ assessments, GSA is in the process of initiating "Phase II" of our comprehensive, long-term program to adequately control ACM in our space. Phase II includes briefing agencies on the potential asbestos hazards in their buildings, developing or assisting in the development of Asbestos Action Plans to include Asbestos Operations and Maintenance Plans for asbestos control, and abatement of asbestos hazards where necessary.

III. Abatement Options

The existence of asbestos in a building does not necessarily require that it be removed or even abated. However, if the material is friable (i.e., easily crumbled by hand pressure), then abatement must be implemented. The abatement methods outlined below are those which are utilized by GSA.

A. Encapsulation - This method entails treating the friable material with special bonding agents that penetrate the asbestos fiber matrix, providing cohesive strength and impact resistance. The encapsulant should penetrate to the underlying substrate and bind the fibers to it. This method is especially useful for the repair of small damaged surface areas of building equipment insulation. However, if the material is routinely disturbed, subject to water damage or excessive vibration, shows signs of delamination from the substrate or the area is scheduled for renovation work soon, encapsulation is not recommended.

B. Enclosure - This method entails the construction of a physical enclosure around the friable asbestos material as an impervious, air and water tight barrier between the asbestos and the employees. Once the barrier is erected, it cannot be violated without utilizing appropriate asbestos work procedure controls such as controlled work areas and personal protective equipment/clothing. If the area where the enclosure is to be erected is subject to water damage, must be accessed for maintenance work, is part of an air distribution system or is scheduled for renovation work in the near future, this abatement option is not recommended.

C. Removal - This method entails the actual physical elimination of the friable material from the space; it is the only permanent, long-term solution to asbestos hazards. Removal is recommended when the ACM is water-damaged, delaminated from the substrate or in a severely damaged or deteriorated state. Removal is also recommended where the ACM is subject to heavy building traffic, frequent routine maintenance work, or in other situations where it may be disturbed regularly. Removal is required for any ACM disturbed during construction, repair, or renovation projects. This option involves considerable cost, advanced planning and proper oversight to ensure the work is performed safely.

IV. Operations and Maintenance (O&M) Procedures

Asbestos-containing materials which are in good condition do not require abatement action so long as they remain as such and are undisturbed. However, for any building with ACM, an O&M

program must be in effect to ensure proper control of these materials. This plan must be tailored to each particular building and generally will include the use of personal protective clothing and equipment, cleanup procedures involving asbestos debris/fibers, minimizing fiber release during required building maintenance, and periodic inspections and air monitoring. This plan must be in effect until all ACM has been successfully removed from the building.

V. General Product Types Present in Buildings and GSA's ACM Abatement Policy Actions

A. Sprayed-on/troweled-on or wet-applied surfacing materials

These materials are, according to EPA definition, inherently friable and must be assessed periodically for their condition. If they are in good condition, periodic visual inspection and requisite air sampling will be conducted to ensure deterioration is not occurring which may generate airborne asbestos fibers. Visual inspections will be of at least a semi-annual frequency with more inspections conducted for ACM in poor condition. Air sampling will be conducted at least on an annual basis and more often if the condition of the ACM warrants it. Significant evidence of deterioration via visual inspection and/or excessive airborne concentrations of asbestos shall warrant the decision to mitigate exposure through removal, encapsulation, or enclosure. An O&M Plan shall remain in effect as long as the ACM is present.

B. Pipe, duct, tank and boiler insulation

These types of ACM shall be assessed for their condition at least annually and any damaged/exposed insulation of these types shall be repaired using one of the abatement methods listed above; for extensively damaged lengths of lagging or surface areas (10-20% total area), the insulation shall be removed. Damaged ACM must be inspected frequently until it is repaired. Only in extreme cases of large areas of heavily damaged insulation does air monitoring need to be conducted as an assessment factor indicator. An O&M Plan shall remain in effect as long as the ACM is present.

C. Other types of ACM

These materials contain asbestos fibers in a bound, solid matrix form, such as ceiling and floor tiles, transite panels, plasterboard, etc., and shall be assessed for damage annually. Damaged materials shall be removed and replaced with non-ACM substitutes. During the life of the

building, an O&M Plan shall remain in effect to minimize the generation of asbestos fibers through any interaction with this ACM.

D. All ACM, regardless of condition, shall be removed from a building where construction/repair/renovation projects are scheduled. All appropriate precautions, along with air monitoring shall be taken during any type of asbestos abatement work.

FILE COPY
DC0105ZZ

GSA

GSA National Capital Region - Public Buildings Service
Safety, Environment & Fire Protection Branch (WPYG)

JANUARY 17, 2003

MEMORANDUM FOR KERRY BONOS
POTOMAC SERVICE CENTER (WPG)

FROM: TIMOTHY SLEETH
SAFETY, ENVIRONMENT AND
FIRE PROTECTION BRANCH (WPYG)

SUBJECT: RESULTS OF FY2002 ANNUAL FIBER-IN-AIR SAMPLING
NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, NW
WASHINGTON, DC 20405

This memorandum is being sent to transmit the attached results of fiber-in-air (FIA) sampling conducted on October 26 and December 7, 2002, at the New Executive Office Building, located at 725 17th Street, NW Washington, DC. The results represent ambient fiber levels present throughout the building on the day(s) of sampling.

The purpose of the FIA survey is to provide GSA-owned and delegated facility managers and occupants with useful supplemental information for buildings with asbestos-containing materials (ACM) present. The U.S. EPA recommends in it's 1990 guide, *Managing Asbestos In Place, ("Green Book")*, that supplemental air monitoring be conducted as part of a comprehensive Asbestos Operations and Maintenance (O&M) Program which includes periodic surveillance to inspect and assess the current condition of any ACM's in the facility.

A total of thirty-three (33) air samples were collected and analyzed by Phase Contrast Microscopy (PCM), using the NIOSH Method 7400. The results of the 33 samples were less than 0.01 fibers per cubic centimeter of air (<0.01 f/cc), which is well below the fiber level recommended by the U.S. EPA for office environments.

Should you have questions concerning this matter, please contact me on (202) 708-5257.

Attachments

Tidewater, Inc.
8950 Route 108, Suite 100, Columbia, Maryland 21045 Tel: (410) 997-4458 Fax: (410) 997-8713

December 16, 2002

Ms. Debra Washington
General Services Administration, NCR, Service Delivery Support
Safety, Env. & Fire
7th & D Streets, SW, Room 2080
Washington, DC 20407

RE: Fiber in Air (FIA) Sampling, New Executive Office Building, Washington, DC
Order Number P-11-02-DC-0291; ACT Number P14576038;

Dear Ms. Washington:

In accordance with contract number GS11P01MQD0055, Tidewater, Inc. performed a fiber in air (FIA) sampling event within the New Executive Office Building, located 725 17th Street, Washington, D.C. This report summarizes findings from the monitoring performed by Tidewater on October 26, 2002 and December 7, 2002 Tidewater's industrial hygienist Ms. Chamini Vinthanage and Allan Cooley, CSP performed the FIA sampling.

During the sampling event, Tidewater's industrial hygienist collected a total of 33 air samples that were analyzed via phase contrast microscopy (PCM). All samples were collected using low volume air sampling pumps. The sampling pumps were calibrated to a flow rate of 2.5 liters/minute and samples were collected over a six to eight-hour period to obtain a minimum sampling volume of 1200 liters per sample. All samples were collected within the normal breathing zone during normal business hours of 9:00 a.m. and 5:00 p.m., and weekend hours of 8:00 a.m. and 4:00 p.m. at the request of the building owner representative.

The samples were analyzed on-site using NIOSH Method 7400 by Tidewater's microscopist who has successfully completed the NIOSH 582 equivalent course entitled "Analyzing Airborne Fibers" and participates in Tidewater's laboratory quality control/quality assurance program.

The results indicate that none of the samples analyzed contained fiber levels at or above 0.01 fibers per cubic centimeter of air (f/cc). Since none of the areas sampled had fiber levels at or above the 0.01 f/cc, additional analysis by transmission electron microscopy (TEM) was not required for any of the samples.

The sample analysis results and corresponding FIA sampling locations are summarized in the attached tables. The field sampling data sheets are included in Appendix A.

Tidewater is pleased to have performed this FIA study. Please call us at (410) 997-4458 if you have any questions regarding this report.

Sincerely,
TIDEWATER, INC.

Prasad Dissanayake, PE
Project Manager

Tidewater, Inc.

Table 1
Fibers in Air Levels and Sample locations
October 26, 2002

Sample ID	Location	Fibers/cc
NEOB-1	9th floor-copy room	<0.01
NEOB-2	9th floor- Rm. 9103	<0.01
NEOB-3	8th floor-Rm. 8208	<0.01
NEOB-4	8th floor-Rm. 8103	<0.01
NEOB-5	8th floor-Rm. 8013	<0.01
NEOB-6	7th floor-Rm. 7013	<0.01
NEOB-7	7th floor-Rm. 7203	<0.01
NEOB-8	6th floor-Rm. 6013	<0.01
NEOB-9	6th floor Rm. 6002	<0.01
NEOB-10	6th floor-Rm. 6211	<0.01
NEOB-11	6th floor-Rm. 6201	<0.01
NEOB-12	5th floor- in Rm. 5208	<0.01
NEOB-13	5th floor-Rm. 5223	<0.01
NEOB-14	4th floor-Rm. 4116	<0.01
NEOB-15	4th floor-computer Rm.	<0.01
NEOB-16	Field blank	N/A

Table 2
Fibers in Air Levels and Sample locations
December 7, 2002

Sample ID	Location	Fibers/cc
NEOB-1	4th floor-by Rm. 4008	<0.01
NEOB-2	3rd floor- north end of hallway	<0.01
NEOB-3	3rd floor-center by elevators	<0.01
NEOB-4	3rd floor-Rm. 3026	<0.01
NEOB-5	2nd floor-west hallway	<0.01
NEOB-6	2nd floor-center by elevator	<0.01
NEOB-7	2nd floor-east hallway	<0.01
NEOB-8	Ground floor-west hallway	<0.01
NEOB-9	Ground floor-north wing	<0.01
NEOB-10	Ground floor-south wing	<0.01
NEOB-11	B1-north end of hallway	<0.01
NEOB-12	B1-center by elevator	<0.01
NEOB-13	B1-east hallway	<0.01
NEOB-14	B2-ladies Rm.	<0.01
NEOB-15	B2-center by elevator	<0.01
NEOB-16	B2-north end of hallway	<0.01
NEOB-17	B2-in carpet Rm.	<0.01
NEOB-18	B1-garage	<0.01
NEOB-19	Field blank	N/A
NEOB-20	Field blank	N/A

*N/A denotes not applicable

APPENDIX A

PCM DATA SHEETS

Tidewater, Inc.

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

AIR SAMPLE DATA SHEET

Type of Sample : (PCM) LEAD TEM

Project: FIA - NEOB / Jackson Place

Client: GSA

Job No.: C2-458 Location:

Date: 10/28/02 Time on-site: 9AM - 7PM

Analyst Chamini Vithanage

Analyzed On-site: yes

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
NEOB-1	EV	2.5	9AM	2.5	5PM	480	1200	0/100	<0.01	9th Floor - Copy Room
-2	EV	2.5	9AM	2.5	5PM	480	1200	0/100	<0.01	" - in Rm 9103
-3	EV	2.5	9AM	2.5	5PM	480	1200	1/100	<0.01	8th Floor - in Rm 8208
-4	EV	2.5	9AM	2.5	5PM	480	1200	2/100	<0.01	" - in Rm 8103
-5	EV	2.5	9AM	2.5	5PM	480	1200	3/100	<0.01	" - in Rm 8013
-6	EV	2.5	9AM	2.5	5PM	480	1200	1/100	<0.01	7th Floor - in Rm 7013
-7	EV	2.5	9AM	2.5	5PM	480	1200	0/100	<0.01	" - in Rm 7203
-8	EV	2.5	9AM	2.5	5PM	480	1200	0/100	<0.01	6th Floor - in Rm 6013
-9	EV	2.5	9AM	2.5	5PM	480	1200	2/100	<0.01	" - in Rm 6002
-10	EV	2.5	9AM	2.5	5PM	480	1200	1/100	<0.01	" - in Rm 6211

Quality Assurance /Quality Control

	Sample ID	Fiber Count (F/mm²)	QC Mgr. Evaluation: Within Acceptable Range?
QA Reference Slide:			_____yes _____no
QC Daily Recount Sample:			_____yes _____no ≥_____values

Microscope Set-up, Image Quality and Calibration Check

Scope ID	Scope Make/Model	(a) Kohler Illumination Achieved?	(b) Phase Rings Aligned?
(c)Test Eyepiece Focus?	(d) Scope Checked w/ HSE/NPL Slide?	(e) Graticule Calibration: Measured Diameter in _____µm; Within NIOSH Limit 98-102µm?_____	

COMMENTS:

Key: BG - Background EV - Environmental WA - Work Area FC - Final Clearance PS - Personal FB - Field Blank

Tidewater, Inc.

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

AIR SAMPLE DATA SHEET

Type of Sample : (PCM) LEAD TEM

Project: FIA NEOB / Jackson Place

Client: GSA

Job No.: 02-458 Location:

Date: 10/26/02 Time on-site: 9AM – 7PM

Analyst Chamini Vithanage

Analyzed On-site: yes

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
NEOB-11	EV	2.5	9AM	2.5	5PM	480	1200	0/100	<0.01	6th Floor - in Rm 6201
-12	EV	2.5	9AM	2.5	5PM	480	1200	1/100	<0.01	5th Floor - in Rm 5208
-13	EV	2.5	9AM	2.5	5PM	480	1200	2/100	<0.01	" - in Rm 5223
-14	EV	2.5	9AM	2.5	5PM	480	1200	2/100	<0.01	4th Floor - in Rm 4116
-15	EV	2.5	9AM	2.5	5PM	480	1200	1/100	<0.01	" - in the Computer Room
-16	FB	—				—	—	0/100	—	Field Blank.

Quality Assurance /Quality Control			QC Mgr. Evaluation	Microscope Set-up, Image Quality and Calibration Check			
	Sample ID	Fiber Count (F/mm²)	Within Acceptable Range?	Scope ID	Scope Make/Model	(a) Kohler Illumination Achieved?	(b) Phase Rings Aligned?
QA Reference Slide:			_____yes _____no				
	Sample ID	Fiber Count (F/mm²)	Within Acceptable Range?	(c)Test Eyepiece Focus?	(d) Scope Checked w/ HSE/NPL Slide?	(e) Graticule Calibration	
QC Daily Recount Sample:			_____yes _____no ≥ _____values			Measured Diameter in _____µm Within NIOSH Limit 98-102µm?____	

COMMENTS:

Key: BG - Background EV - Environmental WA - Work Area FC - Final Clearance PS - Personal FB - Field Blank

Tidewater, Inc.

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

AIR SAMPLE DATA SHEET

Project: PA - NEOB
Job No.: 02-458 Location: 4th, 3rd, 2nd, Ground, B1, B2 Floors
Analyst: Chamini Vithanage

Type of Sample: PCM LEAD TEM
Client: GSA
Date: 12/07/02 Time on-site: 8AM - 2 PM
Analyzed On-site:

Sample ID	Type	Flow (Lpm) / Time ON	Flow (Lpm) / Time OFF	Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
NEOB -1	EV	3.5 8AM	3.5 2 PM	360	1260	1/100	<0.01	4th Floor - By Rm 4008
- 2	EV	3.5 8:05AM	3.5 2:05PM	360	1260	0/100	<0.01	3rd Floor - North End of Hallway
- 3	EV	3.5 8:10AM	3.5 2:10PM	360	1260	0/100	<0.01	" - Center by elevators
-4	EV	3.5 8:15AM	3.5 2:15PM	360	1260	1/100	<0.01	" - In Room 3026
-5	EV	3.5 8:20AM	3.5 2:20PM	360	1260	2/100	<0.01	2nd Floor - West Hallway
-6	EV	3.5 8:25AM	3.5 2:25PM	360	1260	0/100	<0.01	" - Center by elevators
-7	EV	3.5 8:30AM	3.5 2:30PM	360	1260	2/100	<0.01	" - East Hallway
-8	EV	3.5 8:35AM	3.5 2:35PM	360	1260	2/100	<0.01	Ground Floor - West Hallway
-9	EV	3.5 8:40AM	3.5 2:40PM	360	1260	1/100	<0.01	" - North Wing
-10	EV	3.5 8:45AM	3.5 2:45PM	360	1260	0/100	<0.01	" - South Wing

Quality Assurance/Quality Control

	Sample ID	Fiber Count (F/mm²)	QC Mgr. Evaluation
QA Reference Slide:			Within Acceptable Range? ____yes ____no
QC Daily Recount Sample:	Sample ID	Fiber Count (F/mm²)	Within Acceptable Range? ____yes ____no ≥____values

Microscope Set-up, Image Quality and Calibration Check

Scope ID	Scope Make/Model	(a) Kohler Illumination Achieved?	(b) Phase Rings Aligned?
(c) Test Eyepiece Focus?	(d) Scope Checked w/ HSE/NPL Slide?	(e) Graticule Calibration: Measured Diameter in ____µm Within NIOSH Limit 98-102µm? ____	

COMMENTS:

Key: BG - Background EV - Environmental WA - Work Area FC - Final Clearance PS - Personal FB - Field Blank

Tidewater, Inc.

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

AIR SAMPLE DATA SHEET

Project: FIA - NEOB

Job No.: 02-458 Location: 4th, 3rd - 2nd, Ground

Analyst

Type of Sample: PCM LEAD TEM

Client: GSA

Date: 12/07/02 Time on-site: 8AM - 4PM

Analyzed On-site:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
NEOB-11	EV	3.5	8:50	3.5	2:50	360	1260	0/100	<0.01	B1 - North End of Hallway
-12	EV	3.5	8:55	3.5	2:55	360	1260	0/100	<0.01	" - Center by elevators
-13	EV	3.5	9:00	3.5	3:00	360	1260	1.5/100	<0.01	" - East Hallway
-14	EV	3.5	9:05	3.5	3:05	360	1260	2/100	<0.01	B2 - In Ladies' Room
-15	EV	3.5	9:10	3.5	3:10	360	1260	0/100	<0.01	B2 - Center By elevators
-16	EV	3.5	9:15	3.5	3:15	360	1260	2/100	<0.01	B2 - North End of Hallway
-17	EV	3.5	9:20	3.5	3:20	360	1260	0/100	<0.01	B2 - In Carpet Room
-18	EV	3.5	9:25	3.5	3:25	360	1260	0/100	<0.01	B1 - Garage
-19	FB							0/100	<0.01	Field Blank - Open
-20	FB							0/100	<0.01	Field Blank - Close

Quality Assurance /Quality Control	Sample ID	Fiber Count (F/mm²)	QC Mgr. Evaluation: Within Acceptable Range?	Microscope Set-up, Image Quality and Calibration Check: Scope ID	Scope Make/Model	(a) Kohler Illumination Achieved?	(b) Phase Rings Aligned?
QA Reference Slide:			____yes ____no				
QC Daily Recount Sample:	Sample ID	Fiber Count (F/mm²)	Within Acceptable Range? ____yes ____no ≥ ____ values	(c) Test Eyepiece Focus?	(d) Scope Checked w/ HSE/NPL Slide?	(e) Graticule Calibration: Measured Diameter in ____ µm; Within NIOSH Limit 98-102µm? ____	

COMMENTS:

Key: BG - Background EV - Environmental WA - Work Area FC - Final Clearance PS - Personal FB - Field Blank

DC0105

SaLUT

Soil and Land Use Technology, Inc.

11609 Edmonston Road, Beltsville, Maryland 20705

Telephone: (301) 595-3783
Fax: (301) 595-3787

RECEIVED
GSA/NCR
2003 APR 15 P 2:33
SAFETY, ENVIRONMENT &
FIRE PROTECTION BR. (WPYG)

March 25, 2003

GSA, NCR, WPX
Safety & Environmental Management Division
7th & D Streets, SW, Room 2080
Washington, D.C. 20407
ATTENTION: Ms. Cathy Figuracion

Re: New Executive Office Building
Contract No.: GS11P02YTC0275
Order No.: P-11-03-DC-0167
Act No.: 1B3N04077
SaLUT Job No.: 03-071

Dear Ms. Figuracion:

Pursuant to your request, Soil and Land Use Technology, Inc. (SaLUT) provided Industrial Hygiene Services at the New Executive Office Building located at 725 17th St., NW, in Washington, DC. On March 24, 2003, SaLUT's Industrial Hygienist (IH), Ms. Judy Allbright, collected a sample of suspect asbestos containing material found on the floor in Room 5020.

The sample was submitted for immediate analysis at AMA Analytical Services, Inc. located in Lanham, Maryland. The sample analysis resulted in "No Asbestos Detected" using Polarized Light Microscopy (PLM). The analytical results are attached.

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
Operations Manager

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	NEOB (WH)	**Chain Of Custody:**	111392
Address:	11609 Edmonston Road	**Job Location:**	Not Provided	**Date Analyzed:**	03/24/2003
	Beltsville, Maryland 20705	**Job Number:**	Not Provided	**Person Submitting:**	Judy Albright
		P.O. Number:	Not Provided		

Attention: J. Walker

Summary of Polarized Light Microscopy

AMA Sample Number	Client Sample #	Total Asbestos	Chrysotile Percent	Amosite Percent	Crocidolite Percent	Other Asbestos Percent	Mineral Wool Percent	Fiberglass Percent	Organic Percent	Synthetic Percent	Other Percent	Particulate Percent	Sample Color	Analyst ID	Comments
0333959	#1	NAD	--	--	--	--	10	--	70	--	--	20	Multi	CK	

The following footnotes only apply to those samples which the total asbestos result is flagged with a note number.

1 TEM RECOMMENDATION - Please note, due to resolution limitations with optical microscopy and/or interference from matrix components of this sample, results which are reported via PLM as negative or trace (<1%) for asbestos may contain a significant quantity of asbestos. It is recommended that the additional analytical technique of TEM be used to check for asbestos fibers below the resolution limits of optical microscopy.

2 MATRIX REDUCTION RECOMMENDATION - Please note, due to interference from the matrix components of this sample, results which are reported via PLM as negative or trace (<1%) for asbestos may contain a significant quantity of asbestos which is obscured from view. It is recommended that the additional preparation technique of gravimetric reduction be performed on this sample to minimize the obscuring effects of matrix components, followed by reanalysis by PLM and/or TEM.

Analysis Method - EPA/600/R-93/116 dated July 1993

NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"

Crystal Kellam

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. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP Accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples.
All rights reserved. AMA Analytical Services, Inc.

An AIHA (#8863), NVLAP (# 101143), & New York ELAP (#10920) Accredited Laboratory
4475 Forbes Blvd. • Lanham, MD 20706 • (301) 459-2640 • Toll Free (800) 346-0961 • Fax (301) 459-2643

AMA Analytical Services, Inc.

AIHA (#8863) NVLAP (#1143) NY ELAP (10920)
4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 11139

MAILING ADDRESS:

1. Submittal Date: 3/24/03 Job Name/location: NEOB (WH)
2. Client Name: White H (Neob) Salut Job #: P.O. #:
3. Street/RFD/P.O. Box: Bill To: Salut
4. City, State, Zip: Phone #: Fax:
5. Contact Person: J Walker Submitted By: Sandy Albright (Print) J Allen (Signature)
6. **DATE & TIME RESULTS REQUIRED:** 3 / 24 / 03, Time: 700 AM/PM ☒ IMMED. ☐ 24HR ☐ 48HR ☐ 72HR ☐ 5-DAY OTHER (Specify):

SAMPLE DATA:

1. Analysis Type: ☑ Asbestos ☐ Lead ☐ NOB-Whole(PLM/TEM) ☐ NOB-Whole(PLM Only) ☐ NOB-Whole(TEM Only) ☐ NOB-Res. Ash(TEM) ☐ TCLP for Pb ☐ Other(specify):
2. Total Number Of Samples: TEM ____ PCM ____ PLM 1 LEAD ____ OTHER (Specify) ____
3. ELECTRON MICROSCOPY SAMPLES:
   A. Filter Type: PC ☐ MCE ☐ B. Porosity: ____ Micron C. Diameter ☐ 37mm ☐ 25mm
4. LEAD SAMPLES Wipe Type: ☐ Pace ☐ Palintest ☐ Ghost ☐ Lynx Products ☐ Other (specify) ____
5. Release Criteria/Analytical Sensitivity: 0.010 f/cc ☐ 0.005 f/cc ☐ AHERA ☐ %ASBESTOS ☑ S/FT² ☐ OTHER ☐
6. Field Sheet Attached? ☐ YES ☐ NO If No Then Please Complete The Following:

CLIENT ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	WIPE AREA	TEM	PCM	PLM	LEAD	OTHER	AIR	BLANK	BULK	WIPE	CLIENT CONTACT (LABORATORY STAFF ONLY)
#1	Room 5020	3/24	—				✓					✓		Date/Time: Contact: By:
														Date/Time: Contact: By:
														Date/Time: Contact: By:

REPORTING DATA:

1. Verbal Results To Whom? Name: J Walker Phone: 301-595-3783 Beeper: 240-417-6219
2. Date Written Results Required ____ / ____ / ____

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 3 / 24 / 03 @ 1530 Via: PO By (Print): E Vanegas Sign: E Vanegas
2. Date/Time Analyzed: 3 / 24 / 03 @ 4:36 By (Print): Crystal Kellam Sign: Crystal Kellam
3. Results Reported To: J. Walker Via: Phone/Fax Date: 3 / 24 / 03 Time: 4:50 pm (verbal) Initials: CK
4. Comments: left message on answering machine

DC0105ZZ

SaLUT

Soil and Land Use Technology, Inc.

11609 Edmonston Road, Beltsville, Maryland 20705

Telephone: (301) 595-3783
Fax: (301) 595-3787

March 25, 2003

GSA, NCR, WPX
Safety & Environmental Management Division
7th & D Streets, SW, Room 2080
Washington, D.C. 20407
ATTENTION: Ms. Cathy Figuracion

RECEIVED
GSA/NCR
2003 MAR 32 A 7 17
SAFETY, ENVIRONMENT &
FIRE PROTECTION BR. (WPYG)

Re: New Executive Office Building
Contract No.: GS11P02YTC0275
Order No.: P-11-03-DC-0121
Act No.: 1B3N03517
SaLUT Job No.: 02-258

Dear Ms. Figuracion:

Pursuant to your request, Soil and Land Use Technology, Inc. (SaLUT) provided Industrial Hygiene Services at the New Executive Office Building located at 725 17th St., NW, in Washington, DC. SaLUT's Industrial Hygienist (IH), Mr. John Veitch, provided air monitoring prior to the removal of sprayed-on fireproofing in Room 9208-K.

The original scope of work included abatement of 150 linear feet of insulation to be abated by EDS. However, abatement was postponed. Ms. Kerry Bonos, of the White House Projects Office, requested SaLUT's IH to perform background sampling instead.

Seven (7) background air samples were collected from G001, 9208K and 2020. The samples were analyzed at AMA Analytical Services, Inc. using Transmission Electron Microscopy (TEM) methods. Results of all samples were within the EPA occupancy limit at less than 70 structures per square millimeter (<70s/mm2).

Enclosed is all project documentation. 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

IH ABATEMENT DAILY REPORT

Job No: 08-022 Date 1-31 Employee: John Vistak

Project: Steam Tunnels On-Site From: 6 To:

Work in Progress / Summary of Activities:

6:00 Arrived at NEOB. The abatement crew was not there. I waited with my escort for 1.5 hours but no one showed up. Finally called Terry. She said the job was cancelled. She asked me to run some backgrounds.

8:30 I have decided to TEM the samples because they are all targeted areas.

2:00 Finished for tonight.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations):

Containment:

Decon:

PPE:

Removal Methods:

No. of Bags Removed

Abatement Contractor:

Reviewed By:

SaLUT
Soil and Land Use Technology, Inc.
11609 Edmonston Road • Beltsville, MD 20705
Tel: (301) 595-3783
Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Type of Sample: PCM (TEM) LEAD

Project: NEOB
Job No.: 03 - 22
Name: John Veitch

Client: GSA - Safety
Date: 1-31-03 Time on-site: 6 to 14:00
Analyzed On-site: Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
13103-03- -1	BG	7.5	20:15	7.5	23:03	168	1260	TEM	TEM	Room G001, Micro Form Section, East End
13103-03- -2	BG	7.5	20:18	7.5	23:04	166	1245	↓	↓	Room G001, Micro Form Section, West End
13103-03- -3	BG	10.0	20:21	10.0	23:01	160	1600	↓	↓	Room G001, Periodical Section, East Central

QA Reference Slide No.:			Fiber Count (F/mm²)		[redacted]	Scope ID	Scope Make/Model	To be within acceptable lim[illegible] abs.(sqrt.(count1)-sqrt.(count[illegible] 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 Blank

IH ABATEMENT DAILY REPORT

Job No: 03-022 Date 2-1 Employee: John Veitch

Project: NEOB On-Site From: 8:00 To:

Work in Progress / Summary of Activities:

8:00 ARRIVED AT THE JOBSITE. I AM COLLECTING SAMPLES FROM SEVERAL ROOMS IN the ~~NEW~~ BUILDING. I AM TEM SAMPLING THE AREAS. I STARTED 2 TEM SAMPLES IN 9208K

11:45 I STARTED 2 TEM BACKGROUND SAMPLES IN ROOM 2020. They WILL RUN FOR APPROX 2 hour & 40 MINS.

15:30 Left to go to AMA.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations):

Containment:

Decon:

PPE:

Removal Methods:

No. of Bags Removed

Abatement Contractor:

Reviewed By:

SaLUT

Soil and Land Use Technology, Inc.

11609 Edmonston Road • Beltsville, MD 20705
Tel (301) 595-3783
Fax (301) 595-3787

AIR SAMPLE DATA SHEET

Type of Sample: PCM TEM LEAD

Project: NEOB

Client: GSA-Safety

Job No.: 5

Date: 012403 Time on-site: 6 to

Name: John Veith

Analyzed On-site: X Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
020103-02-178-1	BG	7.5	8:37	7.5	11:22	165	1237.5	TEM	—	9208K
020103-02-178-2	BG	7.5	8:36	7.5	11:20	164	1230.0	TEM	—	9208K
020103-02-178-3	BG	7.5	11:47	7.5	14:34	167	1252.5	TEM	—	2020, NORTHWEST CORNER
020103-02-178-4	BG	7.5	11:50	7.5	14:32	162	1215.0	TEM	—	2020, SOUTHEAST CORNER

QA Reference Slide No.:		Fiber Count (F/mm²)	[redacted]	Scope ID	Scope Make/Model	To be within acceptable lim 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 Blank

TEM ANALYSIS

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	Sal.UT, Inc.	**Job Name:**	New Executive Office Building	**Chain Of Custody:**	107743
Address:	11609 Edmonston Road	**Job Location:**	Not Provided	**Date Analyzed:**	02/05/2003
	Beltsville, Maryland 20705	**Job Number:**	Not Provided	**Person Submitting:**	John Veitch
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** 0.45 um **Filter Size:** 25 mm (385 mm²)

AMA Sample Number	Client Sample Number	Volume (L)	Area Analyzed (mm²)	Analytical Sensitivity s/cc	Asbestos Type Amount	# Non Asbestos Structures	Concentration s/mm²	Concentration s/cc	Sample Type	Comments
0323857	13103-03-022-B1	1260	0.0690	0.0044	0	0	< 14	< 0.0044	N/P	
0323858	13103-03-022-B2	1245	0.0690	0.0045	0	0	< 14	< 0.0045	N/P	
0323859	13103-03-022-B3	1600	0.0690	0.0035	0	0	< 14	< 0.0035	N/P	
0323860	20103-03-022-B1	1237.5	0.0690	0.0045	0	0	< 14	< 0.0045	N/P	
0323861	20103-03-022-B2	1230	0.0690	0.0045	0	0	< 14	< 0.0045	N/P	
0323862	20103-03-022-B3	1252.5	0.0690	0.0045	0	0	< 14	< 0.0045	N/P	
0323863	20103-03-022-B4	1215	0.0690	0.0046	0	0	< 14	< 0.0046	N/P	

Analytical procedures used meet or exceed the AHERA "Interim Transmission Electron Microscopy Analytical Methods" protocol described in Appendix A to Subpart E of 40 CFR Part 763.

Robert Workman

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. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP Accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. All rights reserved. AMA Analytical Services, Inc.

An AIHA (#8863), NVLAP (# 101143), & New York ELAP (#10920) Accredited Laboratory
4475 Forbes Blvd. • Lanham, MD 20706 • (301) 459-2640 • Toll Free (800) 346-0961 • Fax (301) 459-2643

AMA Analytical Services, Inc.

AIHA (#8863) NVLAP (#1143) NY ELAP (10920)
4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 107743

MAILING ADDRESS:

1. Submittal Date: 01-31-03 — Job Name/location: [illegible]
2. Client Name: SaLUT — Job #: — P.O. #:
3. Street/RFD/P.O. Box: 11609 Edmonston Rd. — Bill To:
4. City, State, Zip: Beltsville MD 20659 — Phone #: 301-595-3783 — Fax: 301-595-5787
5. Contact Person: Joyce Walker — Submitted By: [illegible] (Print) [illegible] (Signature)
6. **DATE & TIME RESULTS REQUIRED:** 2 / 5 / 03, Time: 1000 AM PM ☐ IMMED. ☐ 24HR ☐ 48HR ☒ 72HR ☐ 5-DAY OTHER(Specify):

SAMPLE DATA:

1. Analysis Type: ☑ Asbestos ☐ Lead ☐ NOB-Whole(PLM/TEM) ☐ NOB-Whole(PLM Only) ☐ NOB-Whole(TEM Only) ☐ NOB-Res. Ash(TEM) ☐ TCLP for Pb ☐ Other(specify):
2. Total Number Of Samples: TEM 7 PCM ____ PLM ____ LEAD ____ OTHER (Specify)
3. ELECTRON MICROSCOPY SAMPLES:
   A. Filter Type: PC ☐ MCE ☐ B. Porosity: ____ Micron C. Diameter ☐ 37mm ☐ 25mm
4. LEAD SAMPLES Wipe Type: ☐ Pace ☐ Palintest ☐ Ghost ☐ Lynx Products ☐ Other (specify)
5. Release Criteria/Analytical Sensitivity: 0.010 f/cc ☐ 0.005 f/cc ☐ AHERA ☐ %ASBESTOS ☐ S/FT² ☐ OTHER ☐
6. Field Sheet Attached? ☐ YES ☒ NO If No Then Please Complete The Following:

SAMPLE ANALYSIS INFORMATION					ANALYSIS					MATRIX				CLIENT CONTACT (LABORATORY STAFF ONLY)		
CLIENT ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	WIPE AREA	TEM	PCM	PLM	LEAD	OTHER	AIR	BLANK	BULK	WIPE	Date/Time:	Contact:	By:
13103-03-022-B1	GOV-Microform E	1-31-3	1260.0		X									Date/Time:	Contact:	By:
13103-03-022-B2	GOV-Microform W	↓	1245.0		X											
13103-03-022-B3	GOV-Periodicals	↓	1600.0		X											
20103-03-022-B1	9208K-EAST	2-1-3	1237.5		X											
20103-03-022-B2	9208K-WEST	↓	1230.0		X									Date/Time:	Contact:	By:
20103-03-022-B3	~~[illegible]~~ 2020 NW	↓	1252.5		X											
20103-03-022-B4	2020 SE	↓	1215		X											
														Date/Time:	Contact:	By:

REPORTING DATA:

1. Verbal Results To Whom? Name: Joyce Walker Phone: 301-595-3783 Beeper:
2. Date Written Results Required ____ / ____ / ____

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 2 / 3 / 03 @ 0800 Via: DO By (Print): Erica Vanzego Sign: Erica Vanzego
2. Date/Time Analyzed: 2 / 5 / 03 @ 1413 By (Print): B. Workmen (Sign): [illegible]
3. Results Reported To: Joyce Walker Via: Fax Date: 2 / 5 / 03 Time: ____ Initials: RKW
4. Comments:

DC0105 22

MasiMax
Resources, Inc.

March 12, 2002

Normajean P. Eleazer
General Service Administration (GSA)
Safety & Environmental Management Division
7th & D Streets, S.W. Room 2080
Washington, D.C. 20407

RECEIVED
GSA/NCR
2002 APR -8 P 2: 17
SAFETY, ENVIRONMENT &
FIRE PROTECTION BR. (WPYG)

Subject: Contract Number: GS11P01MQD0056
Delivery Order Number: P-11-02-DC-0098
ACT Number: P14574043

Dear Ms. Eleazer:

MasiMax Resources, Inc. received a delivery order from GSA, NCR, Service Delivery Support Safety, Environmental and Fire to collect asbestos bulk samples and assess the condition of spray-on fireproofing material above the ceiling tile in the first floor library at the New Executive Office Building (NEOB) located at 725 17th Street, NW in Washington, DC. The project was initiated to assess the condition of the spray-on material and determine if remediation was needed following a water leak event that occurred on December 12, 2000. William Wolfe, an Industrial Hygienist with MasiMax collected the samples and performed the assessment on January 26, 2002.

After arriving at the building, Mr. Wolfe met with point of contact, Kerry Bonos. Ms. Bonos escorted Mr. Wolfe to the first floor library and a visual inspection was performed above the ceiling tiles. During the assessment, Mr. Wolfe noted that in some instances the spray-on fireproofing was separating from the substrate above and had fallen onto the backs of the ceiling tiles. Mr. Wolfe estimated that approximately 25% of the total area showed signs of damage. Representative photographs are provided as an attachment to this report.

Mr. Wolfe collected eight samples of suspect spray-on fireproofing material. Each sample was labeled with a unique identification number and delivered to American Medical Laboratories, Inc., located in Chantilly, VA, for analysis using polarized light microscopy (PLM). Table 1 provided as an attachment to this report lists the results for each sample collected. Results of the laboratory analysis indicate all eight samples contained greater than 1% total asbestos and are therefore considered asbestos-containing materials (ACM). The results for each sample as reported by AML are also provided as an attachment to this report.

MasiMax Environmental Health and Safety Services
11417 Sunset Hills Road, Suite 225
Reston, VA 20190
Phone: (571)203-7766 Fax: (571)203-7911

Table 1. Results of Asbestos Bulk Sampling		
Sample Number	**Material Description**	**Result**
WW012602-01	Gray Spray-On Fireproofing	15-20% Chrysotile
WW012602-02	Gray Spray-On Fireproofing	15-20% Chrysotile
WW012602-03	Gray Spray-On Fireproofing	15-20% Chrysotile
WW012602-04	Gray Spray-On Fireproofing	15-20% Chrysotile
WW012602-05	Gray Spray-On Fireproofing	15-20% Chrysotile
WW012602-06	Gray Spray-On Fireproofing	15-20% Chrysotile
WW012602-07	Gray Spray-On Fireproofing	15-20% Chrysotile
WW012602-08	Gray Spray-On Fireproofing	15-20% Chrysotile

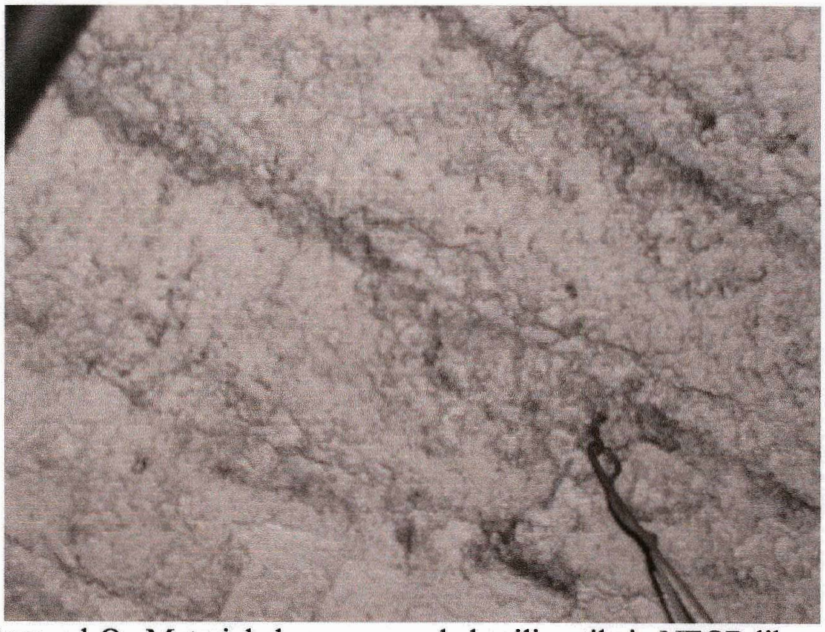
If you have any questions or comments, please contact me at (571)-203-7908.

Sincerely,

David Thompson

David Thompson
Environmental Health Specialist

Attachment 1
Representative Photographs
And
AML Laboratory Reports



Sprayed-On Material above suspended ceiling tile in NEOB library

Sprayed-On Material on concrete ceiling and metal I-beams

Sprayed-On Material that has separated from substrate and fallen on to the duct

Damaged Sprayed-On Material and material on top of the duct

Sprayed-On Material separating from substrate

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INDUSTRIAL HYGIENE DEPARTMENT

 AA

RECEIVED : 01/28/2002
RELEASED : 01/28/2002
REPORTED : 01/28/2002
WORK ORDER: 176308

17906 MASIMAX RESOURCES,INC.
ATTN:MARK PIERCE,C.I.H.
11417 SUNSET HILL RD.#225
RESTON , VA
20190

PROJECT NAME/JOB ID: GSA: NEOB SPRAYED-ON
: FIRE PROOFING

AML NUMBER		VALUE	UNITS
8769619	WW 012602-01	BULK SAMPLE	
1530	ASBESTOS BULK ANALYSIS		
STAT	SAMPLE DESCRIPTION		
	SITE/LOCATION:		
	SPRAYED-ON FIRE PROOFING		
	1ST. FLOOR-LIBRARY		
	DESCRIPTION: COLOR-	GRAY	
	TEXTURE-	FIBROUS	
	HOMOGENOUS-	YES	
	LAYERED-	NO	
	FIBROUS-	YES	
	TOTAL % ASBESTOS:	15-20	%
	CHRYSOTILE:	15-20	%
	FIBROUS NON-ASBEST:	55-60	%
	FIBROUS GLASS:	55-60	%
	NON-FIBROUS:	15-20	%
	UNSPECIFIED:	15-20	%
	ANALYST:	John R. Badger, Jr.	
8769620	WW 012602-02	BULK SAMPLE	
1530	ASBESTOS BULK ANALYSIS		
STAT	SAMPLE DESCRIPTION		
	SITE/LOCATION:		
	SPRAYED-ON FIRE PROOFING		
	1ST. FLOOR-LIBRARY		
	DESCRIPTION: COLOR-	GRAY	
	TEXTURE-	FIBROUS	
	HOMOGENOUS-	YES	
	LAYERED-	NO	
	FIBROUS-	YES	
	TOTAL % ASBESTOS:	15-20	%
	CHRYSOTILE:	15-20	%
	FIBROUS NON-ASBEST:	55-60	%
	FIBROUS GLASS:	55-60	%
	NON-FIBROUS:	15-20	%
	UNSPECIFIED:	15-20	%
	ANALYST:	John R. Badger, Jr.	
8769621	WW 012602-03	BULK SAMPLE	

CONTINUED ON NEXT PAGE

Age and sex dependent reference ranges are printed when available if age and sex are designated. Otherwise, adult values are given.
167086 R 09/01 [C-2]

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PROJECT NAME/JOB ID: GSA: NEOB SPRAYED-ON
: FIRE PROOFING

AML NUMBER		VALUE	UNITS
	CONTINUED FROM PRIOR PAGE		
1530	ASBESTOS BULK ANALYSIS		
STAT	SAMPLE DESCRIPTION		
	SITE/LOCATION:		
	SPRAYED-ON FIRE PROOFING		
	1ST. FLOOR-LIBRARY		
	DESCRIPTION: COLOR-	GRAY	
	TEXTURE-	FIBROUS	
	HOMOGENOUS-	YES	
	LAYERED-	NO	
	FIBROUS-	YES	
	TOTAL % ASBESTOS:	15-20	%
	CHRYSOTILE:	15-20	%
	FIBROUS NON-ASBEST:	55-60	%
	FIBROUS GLASS:	55-60	%
	NON-FIBROUS:	15-20	%
	UNSPECIFIED:	15-20	%
	ANALYST:	John R. Badger, Jr.	
8769622	WW 012602-04	BULK SAMPLE	
1530	ASBESTOS BULK ANALYSIS		
STAT	SAMPLE DESCRIPTION		
	SITE/LOCATION:		
	SPRAYED-ON FIRE PROOFING		
	1ST. FLOOR-LIBRARY		
	DESCRIPTION: COLOR-	GRAY	
	TEXTURE-	FIBROUS	
	HOMOGENOUS-	YES	
	LAYERED-	NO	
	FIBROUS-	YES	
	TOTAL % ASBESTOS:	15-20	%
	CHRYSOTILE:	15-20	%
	FIBROUS NON-ASBEST:	55-60	%
	FIBROUS GLASS:	55-60	%
	NON-FIBROUS:	15-20	%
	UNSPECIFIED:	15-20	%
	ANALYST:	John R. Badger, Jr.	
8769623	WW 012602-05	BULK SAMPLE	

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20190

PROJECT NAME/JOB ID: GSA: NEOB SPRAYED-ON
: FIRE PROOFING

AML NUMBER----------VALUE------UNITS----------

CONTINUED FROM PRIOR PAGE

1530 ASBESTOS BULK ANALYSIS
STAT SAMPLE DESCRIPTION
SITE/LOCATION:
SPRAYED-ON FIRE PROOFING
1ST. FLOOR-LIBRARY

DESCRIPTION: COLOR-	GRAY	
TEXTURE-	FIBROUS	
HOMOGENOUS-	YES	
LAYERED-	NO	
FIBROUS-	YES	
TOTAL % ASBESTOS:	15-20	%
CHRYSOTILE:	15-20	%
FIBROUS NON-ASBEST:	55-60	%
FIBROUS GLASS:	55-60	%
NON-FIBROUS:	15-20	%
UNSPECIFIED:	15-20	%
ANALYST:	John R. Badger, Jr.	

8769624 WW 012602-06 BULK SAMPLE
1530 ASBESTOS BULK ANALYSIS
STAT SAMPLE DESCRIPTION
SITE/LOCATION:
SPRAYED-ON FIRE PROOFING
1ST. FLOOR-LIBRARY

DESCRIPTION: COLOR-	GRAY	
TEXTURE-	FIBROUS	
HOMOGENOUS-	YES	
LAYERED-	NO	
FIBROUS-	YES	
TOTAL % ASBESTOS:	15-20	%
CHRYSOTILE:	15-20	%
FIBROUS NON-ASBEST:	55-60	%
FIBROUS GLASS:	55-60	%
NON-FIBROUS:	15-20	%
UNSPECIFIED:	15-20	%
ANALYST:	John R. Badger, Jr.	

8769625 WW 012602-07 BULK SAMPLE

CONTINUED ON NEXT PAGE

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RESTON , VA
20190

PROJECT NAME/JOB ID: GSA: NEOB SPRAYED-ON
: FIRE PROOFING

AML NUMBER----------VALUE------UNITS----------

CONTINUED FROM PRIOR PAGE
1530 ASBESTOS BULK ANALYSIS
STAT SAMPLE DESCRIPTION
SITE/LOCATION:
SPRAYED-ON FIRE PROOFING
1ST. FLOOR-LIBRARY

DESCRIPTION: COLOR-	GRAY	
TEXTURE-	FIBROUS	
HOMOGENOUS-	YES	
LAYERED-	NO	
FIBROUS-	YES	
TOTAL % ASBESTOS:	15-20	%
CHRYSOTILE:	15-20	%
FIBROUS NON-ASBEST:	55-60	%
FIBROUS GLASS:	55-60	%
NON-FIBROUS:	15-20	%
UNSPECIFIED:	15-20	%
ANALYST:	John R. Badger, Jr.	

8769626 WW 012602-08 BULK SAMPLE
1530 ASBESTOS BULK ANALYSIS
STAT SAMPLE DESCRIPTION
SITE/LOCATION:
SPRAYED-ON FIRE PROOFING
1ST. FLOOR-LIBRARY

DESCRIPTION: COLOR-	GRAY	
TEXTURE-	FIBROUS	
HOMOGENOUS-	YES	
LAYERED-	NO	
FIBROUS-	YES	
TOTAL % ASBESTOS:	15-20	%
CHRYSOTILE:	15-20	%
FIBROUS NON-ASBEST:	55-60	%
FIBROUS GLASS:	55-60	%
NON-FIBROUS:	15-20	%
UNSPECIFIED:	15-20	%
ANALYST:	John R. Badger, Jr.	

8769627 WW 012602-09 BULK SAMPLE

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PROJECT NAME/JOB ID: GSA: NEOB SPRAYED-ON
: FIRE PROOFING

AML NUMBER----------VALUE-----UNITS----------

CONTINUED FROM PRIOR PAGE

1530 ASBESTOS BULK ANALYSIS
STAT SAMPLE DESCRIPTION
SITE/LOCATION:
SPRAYED-ON FIRE PROOFING
1ST. FLOOR-LIBRARY

DESCRIPTION: COLOR-	GRAY	
TEXTURE-	FIBROUS	
HOMOGENOUS-	YES	
LAYERED-	NO	
FIBROUS-	YES	
TOTAL % ASBESTOS:	15-20	%
CHRYSOTILE:	15-20	%
FIBROUS NON-ASBEST:	55-60	%
FIBROUS GLASS:	55-60	%
NON-FIBROUS:	15-20	%
UNSPECIFIED:	15-20	%
ANALYST:	John R. Badger, Jr.	

NOTATIONS

Analysis performed by trained asbestos analyst using polarized light microscopy with dispersion staining following the "Method for the Determination of Asbestos in Bulk Building Materials", U.S.E.P.A., EPA-600/R-93/116, July 1993.

PLM percentages quoted are visually determined, and therefore subject to significant numerical uncertainty. The limit of quantitation is set at the regulatory level for the determination as to whether a material is or is not considered asbestos containing. That level is 1 % as determined visually. Point count analysis is performed (if applicable) following EPA method EPA-600/R-93/116, July 1993, and is performed as a separate analysis from the visual PLM method.

Results are for sample(s) as received by the laboratory.

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AML NUMBER----------VALUE-----UNITS----------

CONTINUED FROM PRIOR PAGE
without written permission from the laboratory.

Quality Control (QC) data related to the analysis referenced above is retained and is available at the client's request

This report shall not be used to claim endorsement of any product by NVLAP or by any agency of the U.S. Government.

*** FINAL REPORT ***

CHRISTOPHER KASE
DIRECTOR, IND. HYGIENE

FOR INDUSTRIAL HYGIENE RELATED QUESTIONS,
INCLUDING REQUESTS FOR SUPPLIES, CALL
1-800-348-1590

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167086 R 09/01 [C-2]

NATHAN SHERMAN, M.D.
DIRECTOR OF LABORATORIES

GSA NATIONAL CAPITAL REGION

ASBESTOS OPERATIONS AND MAINTENANCE PLAN

BUILDING:	**New Executive Office Building**
BUILDING NUMBER:	**DC0105zz**
BUILDING ADDRESS:	**725 17th Street N.W.**
STATE/ZIP:	**Washington, DC 20500**
NAME OF ASBESTOS PROGRAM MANAGER (APM)	Jeter Morris
PHONE NUMBER:	(202) 395-3154

I CERTIFY THAT THE REQUIREMENTS IN THIS OPERATIONS AND MAINTENANCE PLAN WILL BE CARRIED OUT TO THE BEST OF MY ABILITY.

Adopted: Jeter A. Morris Date: 3-4-94
Signature of Asbestos Program Manager (APM)

GSA NATIONAL CAPITAL REGION

ASBESTOS OPERATIONS AND MAINTENANCE PLAN

GENERAL

This Operations and Maintenance (O&M) Plan is a set of procedures that apply to building cleaning, maintenance, renovation, and general operations to maintain the building free from asbestos contamination.

There are seven basic elements of this plan which will serve to:

1. Inventory and document the ACM in the building;

2. Label the asbestos materials identified informing building occupants of its presence and not to disturb the material;

3. Notify workers and building occupants regarding the location of ACM and train custodial and maintenance personnel

4. Initiate work practices procedures that will assure ACM is not disturbed;

5. Establish procedures in the event of fiber release episodes;

6. Initiate and administer an ongoing inspection program to monitor the condition of all ACM and maintain the ACM in an undamaged state; and

7. Keeping records of all activities in the building regarding asbestos.

The O&M Plan will be administered by the Asbestos Program Manager (APM). The APM for the New Executive Office Building is Jeter Morris who can be contacted at (202) 95-3154. The APM is responsible for:

1. Reviewing the O&M Plan and the abatement program within this facility and providing technical expertise in managing the asbestos-containing materials (ACM) identified;

2. Providing awareness training and asbestos related information to the maintenance and custodial staff and to the building occupants;

3. Approving maintenance and renovation activities;

4. Coordinating response actions for emergency fiber release episodes;

5. Conducting periodic inspections of known ACMs within the facility to assess the condition of the material;

6. Ensuring recommendations from inspections are implemented in a timely manner; and

7. Documenting all asbestos related activities and performing recordkeeping requirements.

SECTION 1: INVENTORY

The known and suspected ACM in this facility has been documented. The drawings and documentation is kept at the APM's office and will be available to all maintenance and custodial personnel. These documents will be reviewed prior to all maintenance, alteration, or demolition activities in areas where ACM is present.

During renovation, alteration, or demolition activities, suspected ACM which had previously been inaccessible may be uncovered. These materials shall be sampled, documented and added to the inventory list of ACM in this building when identified and deleted from the list upon removal.

SECTION 2: LABELING

The ACM has been labeled with caution stickers and/or signs to warn building personnel that these materials contain asbestos and shall not be disturbed except by properly trained individuals under controlled conditions. The warning labels read:

CAUTION:
ASBESTOS. HAZARDOUS.
DO NOT DISTURB WITHOUT PROPER
TRAINING AND EQUIPMENT.

All barriers that have been erected to enclose ACM are appropriately labeled. In the areas where there is ACM above a suspended ceiling, a label identifying the material as ACM shall be placed above the ceiling such that it is visible to anyone removing the suspended ceiling in the area in question.

SECTION 3: AWARENESS TRAINING AND EDUCATION

A. AWARENESS TRAINING

The Government tenant agency representative and the building maintenance and custodial personnel shall be informed of the presence of ACM in this building. This will be performed by distributing notices, posting signs and/or performing awareness training given by the APM or her/his approved, qualified designee. The information given to these personnel shall include, at a minimum, the following:

- Information regarding asbestos and its various uses and forms.
- Information on the health effects associated with asbestos exposure.
- Locations of ACM identified throughout the facility in which they work.
- Recognition of damage, deterioration, and delamination of ACM.
- Custodians will be instructed to avoid bumping pipes and walls or other surfaces with brooms, mops, vacuum cleaners, and other cleaning equipment as these disturbances may release asbestos fibers.
- Name and telephone number of the APM designated to carry out responsibilities of the O&M Plan.

The APM for the New Executive Office Building is Jeter Morris who can be contacted at (202) 395-3154.

This information and its presentation will be reviewed by the APM. The facility may also wish to have their legal representative review the material prior to presenting it to the building occupants.

New building maintenance and custodial personnel shall be trained within 30 days after commencement of employment.

B. EDUCATION

The Asbestos Program Manager and his/her staff shall be trained in accordance with the requirements in 40 CFR 763, Appendix C to Subpart E -- EPA Model Contractor Accreditation Plan. The training course providers shall be EPA approved to provide training for:

- Inspectors - 3 day training course.
- Management Planners - Inspector plus 2 day training course.
- Asbestos Abatement Contractors and Supervisors - 4 day training course.
- Abatement Project Designer - 3 day training course or supervisors course above.[1]
- Asbestos Abatement Workers - 3 day training course.

Annual refresher training is required to maintain certification.

New personnel shall be trained within 30 days after commencement of employment.

---

[1] Annual refresher should be a Project Designer Refresher if using supervisors certificate for initial training.

SECTION 4: WORK PRACTICES

Maintenance/Alteration Activities

Prior to beginning all maintenance or alteration activities, personnel shall check the available documentation and consult with the APM to determine if the activity will disturb any ACM. If disturbance of ACM is unlikely, the activity may proceed.

A. SMALL-SCALE, SHORT-DURATION MAINTENANCE ACTIVITIES

Small-scale, short duration asbestos maintenance activities are defined as:

- The removal of small quantities of ACM if required in the performance of another maintenance activity.
- Minor repairs to thermal system insulation or other asbestos material which do not require removal.
- Repairs, involving encapsulation, enclosure or removal, to small amounts of asbestos containing material if required in the performance of emergency or routine maintenance activity.

Procedures outlined in the Guidance Manual "Asbestos Operations & Maintenance Work Practices", September 1992 by the National Institute of Building Sciences (NIBS) shall be used during small-scale, short-duration work. Refer to the Guidance Manual procedures to be used to protect building occupants and to prevent contaminating the building with asbestos fibers.

For small-scale, short duration asbestos abatement work, the APM will contact the GSA in house team, Plumbing Shop. This asbestos team is located at the Old Executive Office Building. The phone number is (202) 395-3298.

The APM will report all small-scale short-duration work to GSA NCR Safety and Environmental Management Division (WPX) at (202) 708-5236.

The work will be documented on an NCR Asbestos Control Permit (ACP), Attachment 1.

All debris resulting from asbestos work will be disposed of in accordance with Environmental Protection Agency (EPA) and local jurisdictional regulations. A copy of the dump ticket associated with the asbestos waste will be obtained by and provided to the APM for retention.

B. ABATEMENT ACTIVITIES/RESPONSE ACTIONS

When the maintenance, renovation, or alteration activity will result in intended or likely disturbance of ACM, the procedures listed below must be used.

Response actions include removal, encapsulation, enclosure or repair, other than small-scale, short-duration repairs. These response actions shall be designed and conducted by persons accredited to design and conduct response actions.

The APM will report all abatement activities/response action work to GSA NCR Safety and Environmental Management Division (WPX) at (202) 708-5236.

Response actions will be performed by the Plumbing Shop. The contact person is Jeter Morris who can be reached at (202) 395-3154.

Air monitoring during and after abatement will be performed by the term contractor.

The APM is responsible to comply with the following procedures:

- Written approval using a National Capital Region (NCR) Asbestos Control Permit (ACP) (Attachment 2) shall be obtained from the APM prior to start of work. The APM will visit the work area prior to start of work.

- The APM, the GSA Buildings Manager or her/his designee, and the tenant occupant agency contact shall be notified prior to beginning work involving ACM.

- To the extent possible, all work shall be scheduled after normal working hours; access to the area shall be controlled.

- The air handling system shall be shut off or temporarily modified to the satisfaction of the APM to prevent the distribution of any released fibers to areas outside the work area.

- All debris resulting from asbestos work will be disposed of in accordance with Environmental Protection Agency (EPA) and local jurisdictional regulations. A copy of the dump ticket associated with the asbestos waste will be obtained by and provided to the APM for retention.

- Air monitoring record must be obtained by the APM for retention with project documentation.

SECTION 5: FIBER RELEASE EPISODES

Custodial and maintenance workers as well as building occupants will report the presence of debris, water or physical damage or any other evidence of possible fiber release to the APM. The APM shall document these reports on the Fiber Release Episode Report (Attachment 2) and shall evaluate the situation and determine if the maintenance staff can adequately clean the area or if a large scale abatement must be initiated. The APM will report all suspected and actual fiber release episodes to GSA NCR Safety and Environmental Management Division (WPX) at (202) 708-5236.

A. MINOR FIBER RELEASE EPISODES

Minor fiber release episodes will be treated with standard wet cleaning and HEPA vacuum techniques shall be cleaned up by the Paint Shop.

- The work will be documented on an NCR Asbestos Control Permit (ACP), Attachment 1.
- Workers will be trained and shall wear approved respirators and protective clothing.
- The debris will be saturated with water or amended water and placed in labeled 6-mil asbestos disposal bags.
- The surface may be cleaned with a wet cloth or mop. Alternatively, the debris may be collected with a HEPA vacuum.
- The damaged ACM will be repaired with an asbestos free material or sealed using an approved method.
- All debris and materials used in the clean-up will be discarded as asbestos waste.
- Workers will HEPA vacuum their protective clothing and respirators and place their disposable clothing in 6-mil disposal bags for disposal as asbestos waste.
- All debris resulting from asbestos work will be disposed of in accordance with Environmental Protection Agency (EPA) and local jurisdictional regulations. A copy of the dump ticket associated with the asbestos waste will be obtained by and provided to the APM for retention.

B. MAJOR FIBER RELEASE EPISODES

Major fiber release episodes may result from damage to more than three square feet of surfacing material (SM) or three linear feet of thermal system insulation (TSI). The APM will make a determination as to whether the in house response team can adequately clean up the damaged asbestos or if an asbestos abatement contractor should be utilized.

The in house team can be reached by calling the FACM at (202) 395-3154 or the asbestos contractor, at .

The following response procedures shall be used:

- The area will be isolated as soon as possible after the ACM debris or damage is discovered.

- The air-handling system will be shut off or temporarily modified to prevent the distribution of fibers to other areas of the building. Doors, windows and air registers should be sealed with plastic and tape.

- The area will then be prepared for abatement or encapsulation in accordance with all applicable Federal, State and local regulations (29 CFR 1926.58 plus Appendices A through M will serve as the minimum requirement).

- The work will be documented on an NCR Asbestos Control Permit (ACP), Attachment 1.

- All debris resulting from asbestos work will be disposed of in accordance with Environmental Protection Agency (EPA) and local jurisdictional regulations. A copy of the dump ticket associated with the asbestos waste will be obtained by and provided to the APM for retention.

SECTION 6: INSPECTIONS

All of the ACM in the building shall be inspected every six (6) months. Inspections shall be conducted by the APM who will review all survey and abatement documents and in-house removal and repair documents prior to the inspection. The APM will use the inventory list of all ACM known to be in the building that was generated as a requirement of Section 1: Inventory of this O&M Plan. Each item on the list will be inspected for:

- Friability;
- Changes in its condition (has the material deteriorated or been damaged?);
- Cause of the damage or deterioration, if any;
- Amount of damage or deterioration, if any;
- If damaged, recommended response action to repair or prevent further damage;

The asbestos-containing materials in the building will be inspected in **December**.

The APM will ensure that any response actions recommended during the inspection will be performed within 30 days after the inspection. Use procedures outlined in Section 4: Work Practices to carry out recommended response actions from the inspections.

Within 30 days after the inspection the APM will complete Asbestos Update Report, Attachment 4, and submit a copy to GSA NCR Safety and Environmental Management Division (WPX).

The APM will coordinate any air monitoring requirements through GSA NCR Safety and Environmental Management Division (WPX).

SECTION 7: RECORDKEEPING

All written documents pertaining to asbestos work practices, including but not limited to GSA National Capital Region Asbestos Control Permit, Fiber Release Episode Report, Asbestos Inventory and Periodic Inspection Assessment Report, Asbestos Update Reports and dump ticket will be stored in permanent files in the APM's office. These records and records of exposure measurements will be retained for at least 30 years. Records for each employee participating in the asbestos medical surveillance program shall be maintained for the duration of employment plus 30 years. All employee training records will be retained for one year beyond the last date of each worker's employment. All documents must be readily available for review by authorized personnel from GSA and other Government agencies as required.

REFERENCES

Managing Asbestos In Place: A Building Owner's Guide to Operations and Maintenance Programs for Asbestos-Containing Materials, 1990, U.S. Environmental Protection Agency, Washington, D.C., EPA 20T-2003.

Guidance for Controlling Asbestos-Containing Materials in Buildings, 1985, U.S. Environmental Protection Agency, Washington, D.C., EPA 560/5-85-024.

Operation and Maintenance Programs for Asbestos-Containing Materials in Buildings: A Guide for Building Owner and Managers, Draft Report, February 13, 1987. U.S. Environmental Protection Agency, Washington, D.C.

Code of Federal Regulations, Title 29, Parts 1910.1001 and 1926.58.

Code of Federal Regulations, Title 40, Part 763.

GSA Instructional Letter PBS IL-92-4

GSA Environmental Management Technical Guide, Safety and Environmental Management Division (PMS), 1993.

Guidance Manual: Asbestos Operations & Maintenance Work Practices, September 1992, National Institute of Building Sciences.

GSA PERMIT
NUMBER _____

GSA NATIONAL CAPITAL REGION ASBESTOS CONTROL PERMIT
(POST SIGNED COPY AT JOB SITE)

(1) BUILDING NAME _____
GSA BUILDING NUMBER _____
BUILDINGS STREET ADDRESS _____
CITY, STATE, AND ZIP CODE _____

(2) A. BRIEF DESCRIPTION (ATTACH DESCRIPTION OR FLOOR PLAN, AS NECESSARY AND AVAILABLE _____

B. ENVIRONMENTAL CONTROL METHOD? GLOVE BAG _____ CONTAINMENT _____
C. LINEAR FEET PIPE: _____ SQUARE FEET INSULATION: _____
(3) WHEN IS THIS JOB TO START? _____ FINISH? _____
(4) SCHEDULED WORKING HOURS OF ABATEMENT WORKERS _____
(5) CONTACT REGARDING THE SPECIFICATION, NAME: _____
PHONE# _____
(6) ESTIMATED OR ACTUAL COST OF THIS ABATEMENT $ _____
(7) CONTRACTORS:

GENERAL:	_____	ASBESTOS:	_____
ADDRESS:	_____	ADDRESS:	_____
	_____		_____
PHONE:	_____	PHONE:	_____
SUPERVISOR:	_____	SUPERVISOR:	_____

(8) DEBRIS HAULED BY: _____ TO: _____
Address: _____ Address: _____
Phone: _____ Phone: _____
(9) AIR MONITORING

	CONTRACTOR'S MONITOR	GSA'S MONITOR
NAME OF FIRM:	_____	_____
PERSON TO CONTACT:	_____	_____
PHONE NUMBER:	_____	_____

(10) TENANT CONTACT'S NAME: _____
AGENCY: _____ PHONE#: _____
(11) ASBESTOS PROGRAM MANAGER (APM) REVIEW:
EMERGENCY (Initial): _____ PHONE: _____

SIGNATURE: _____ DATE: _____

(12) GSA SAFETY & ENVIRONMENTAL MANAGEMENT DIVISION REVIEW (WPXE):

SIGNATURE: _____ DATE: _____

(13) **ASSISTANT REGIONAL ADMINISTRATOR, PUBLIC BUILDINGS SERVICE**

(WP/WQ) APPROVAL SIGNATURE: _____ DATE: _____

RETURN TO: GSA Safety & Environmental
Management Division (WPX)
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)

FIBER RELEASE EPISODE REPORT

Building: _____ GSA Building No.: _____

Address: _____

Area: _____ Date: _____

Episode Reported By: _____ Date: _____
(Name, Title) Phone: _____

Type of Material: _____ Surfacing _____ Miscellaneous
_____ Thermal System Insulation

Approximate Amount of Material Released: _____

Asbestos Type and content (If Known): _____

Cause of Release: _____ Deterioration _____ Physical Damage
_____ Delamination _____ Vandalism
_____ Water Damage _____ Maintenance Activity

Was area sealed off from nonessential personnel? _____ Yes
_____ No

How: _____

Was air handling system shut down/modified? _____ Shut Down
_____ Modified
_____ No

Description of Clean-up Procedures: _____

_____

_____

_____

Clean-Up Conducted: _____ Outside Contractor _____ In-House

Name of Contractor: _____
Response Team Leader: _____
Address: _____

Equipment Used: _____ HEPA Vacuum _____ Respirators
_____ Wet Wiping _____ Protective Clothing
_____ Steam Cleaning _____ Other (Specify)

Was Regional Office contacted regarding release? ___ Yes _____ Date
___ No

Person Contacted: _____ Dept: _____
Title: _____ Phone: _____

Was follow-up letter/information sent? ___Yes ___No Date: _____

Signed: _____ Date: _____
(Asbestos Program Manager)

ATTACHMENT 2, REVISED 9/93

ASBESTOS INVENTORY AND PERIODIC INSPECTION ASSESSMENT REPORT

BUILDING NAME: NEW EXECUTIVE OFFICE BUILDING BLDG NO.: DC0105zz

INSPECTOR: Dean McCauley DATE: 6-92

LOCATION FLOOR/ROOM	HOMOGENEOUS MATERIAL	AMOUNT OF ASBESTOS	FRIABLE YES/NO	CONDITION[1]	CAUSE OF DAMAGE[2]	AMOUNT OF DAMAGE	RECOMMENDED RESPONSE[3]	DATE RESPONSE COMPLETED
All main corridor fire doors.	Miscellaneous. Fire door air cell insulation.	< 50 doors at 27 sq/ft ea.	NO	GOOD			O&M	
Service and building elevator lobbies, loading dock, food locker and freezer rooms on the second floor.	Miscellaneous. Trawled on ceiling acoustical plaster.	< 1000 sq/ft	NO	GOOD			O&M	
All stuctural load bearing floor underlayments.	Surfacing. Sprayed on structural member fire proofing.	< 500,000 square feet	YES	GOOD			O&M	
Mechanical Areas. Basement tank and compressor rooms, and penthouses.	TSI - Pipe, duct, elbow mud, and AHU insulation.	< 1000 sq/ft	NO	GOOD			O&M	
1-Basement and 2-B Basement hallways	TSI	< 100 sq/ft	NO	GOOD			O&M	

[1] GOOD, DAMAGED OR SIGNIFICANTLY DAMAGED
[2] AIR EROSION, VANDALISM, VIBRATION, WATER, ETC.
[3] REPAIR, REMOVE, ENCAPSULATE, ENCLOSE, ISOLATE OR O&M

ASBESTOS UPDATE REPORT

DATE SUBMITTED TO WPXE _____ DATE INSPECTED _____

BUILDING NAME _____ BUILDING NO. _____

ADDRESS _____

_____

ASBESTOS PROGRAM MANAGER _____ PHONE _____

LOCATION	TYPE OF MATERIAL DAMAGED	AMOUNT DAMAGED	RECOMMENDED RESPONSE	DATE RESPONSE COMPLETED[1]

[1] If response action has not been completed within 30 days of inspection, state reason.

GENERAL SERVICES ADMINISTRATION
NATIONAL CAPITAL REGION

CHANGES
APPENDIX J
OPERATIONS AND MAINTENANCE (O&M) PLAN - NCR MODEL
February 24, 1994

Page 2. Change Item 6. from "inspection" to "periodic surveillance".

Page 3. Change Item 5. from "inspections" to "surveillance".

Page 8. Change Section 4.A, para. 6, from "dump ticket" to "waste shipment record(s)".

Page 9. Change Section 4.B, bullet 5, from "dump ticket" to "waste shipment record(s)".

Page 12. Change Section 5.B, bullet 5, from "dump ticket" to "waste shipment record(s)".

Page 13. Change Section 6, from "INSPECTIONS" to "PERIODIC SURVEILLANCE".

Change Section 6, para. 1, line 1, from "inspected" to "surveilled".

Change Section 6, para. 1, line 2, from "Inspections" to "Periodic Surveillance".

Change Section 6, para. 1, line 4, from "inspection" to "routine surveillance check".

Change Section 6, indent. para. 2, line 2, from "inspection" to "periodic surveillance check".

Change Section 6, indent. para. 3, from "inspection" to "periodic surveillance check".

Page 14. Change Section 7, para 1, from "dump ticket" to "waste shipment records".

Page 15. Change REFERENCES, para 6, from "PBS IL-92-4" to "PBS IL-92-8".

Attachment 3. Change "INSPECTION" in title to "SURVEILLANCE".

6/88

ASBESTOS OPERATIONS AND MAINTENANCE PLAN

THE NEW EXECUTIVE OFFICE BUILDING

GENERAL

This Operations and Maintenance (O&M) Plan is a set of procedures which applies to building cleaning, maintenance, renovation, and general operation to maintain the New Executive Office Building free from asbestos contamination. This plan is intended to provide for: 1) abatement of any damaged asbestos-containing material (ACM), 2) prevention of future asbestos fiber release by minimizing disturbance or damage to ACM, and 3) monitoring the condition of the ACM until abatement is accomplished.

This plan provides for monitoring of ACM in good condition and damaged ACM until abatement is accomplished. ACM which is known to be damaged shall be abated in accordance with the abatement recommendations provided in Attachment 1 of this plan.

The basic elements of this plan shall serve to alert workers and building occupants as to the location of ACM, train custodial and maintenance personnel in proper cleaning and maintenance procedures, establish a process that assures ACM is not disturbed, and initiate an ongoing inspection program to monitor the condition of all ACM.

MANAGEMENT STRUCTURE

The O&M Plan shall be managed by the Facility Asbestos Control Manager (FACM), Mr. Jeter Morris. The FACM is responsible for reviewing the plan and abatement program within the facility and providing technical expertise in managing the ACM identified in the areas specified on Attachment 1. He is also responsible for providing training and asbestos related information to the maintenance and custodial staff and the building occupants and for approving maintenance and renovation activities, conducting regular inspections and recordkeeping.

This plan shall be included in all design, construction, repair, and alteration contracts and any other contract which may require disturbance of the facility's physical structure (e.g. electrical, telecommunications, and computer installation contracts). The FACM is responsible for oversight of these contractors to ensure positive control of ACM. The contractors shall be required to comply with the plan and shall certify that

their personnel have been briefed and understand the requirements of the plan. The FACM shall brief the contractor on the status of the asbestos and the building prior to the start of any work.

DOCUMENTATION AND LABELING

All of the known and suspected ACM in the facility has been documented. The drawings and documentation shall be kept at the FACM's office and shall be available to all maintenance and custodial personnel. These documents shall be reviewed prior to all maintenance, alteration, or demolition activities in areas where ACM is present.

All ACM shall be labeled with caution stickers and/or signs to warn building personnel that these materials contain asbestos and shall not be disturbed except by properly trained individuals under controlled conditions. All barriers which have been erected to enclose ACM shall be appropriately labeled. In the areas where there is ACM above a suspended ceiling, a label identifying the material as ACM shall be placed above the ceiling such that it is visible to anyone removing the suspended ceiling in the area in question.

During renovation, alteration, or demolition activities, suspected ACM which had previously be inaccessible may be uncovered. These materials shall be sampled, documented and added to the inventory list of ACM in the building when identified. The services of the General Services Administration's (GSA's) industrial hygiene contractor are available for this purpose.

TRAINING AND EDUCATION

The Government tenants and the building maintenance and custodial personnel shall be informed of the presence of ACM in the building. This shall be performed by distributing notices, posting signs and/or performing training sessions given by the FACM or his approved, qualified designee. The information given to these personnel shall include, at a minimum, the following:

- Asbestos is a potential health hazard.
- Materials containing asbestos have been found in the building, the location, labeling and form of ACM.
- The current condition of the ACM.
- Dangers of disturbing the ACM.

- The proper method of reporting evidence of disturbance or damage to/of ACM.

- Cleaning and maintenance personnel shall take special precautions during their work to properly clean up asbestos debris and to guard against disturbing the ACM.

- All ACM is inspected periodically and additional measures will be taken when needed to protect the health of building occupants.

- Report any dust or debris from ACM, any change in the condition of ACM, or any improper action of building personnel regarding ACM to the FACM.

EQUIPMENT

In order for this plan to be effective, certain equipment will be available and kept in good working order. The equipment will be readily available and accessible 24 hours a day.

- NIOSH/MSHA approved respirators for all trained workers.

- Disposable protective clothing (including suits, hoods and foot covers, and gloves) sized to fit all of the trained workers. Disposable clothing must be impermeable to asbestos fibers.

- High Efficiency Particulate Air (HEPA) filtered vacuums.

- 6-mil glove bags.

- 6-mil polyethylene sheeting

- Labeled 6-mil polyethylene asbestos disposal bags.

- Signs or stickers to label ACM.

- Appropriately labeled signs (in accordance with 29 CFR 1926.58) to place in areas where ACM is being disturbed.

- Patch and repair materials and encapsulant.

- Cleaning rags.

- Duct tape.

WORK PRACTICES

A. Cleaning

The special cleaning practices listed below shall be instituted in the building if or when deterioration of ACM is noted during scheduled visual inspections or at any time by building occupants. These practices shall be followed in areas with friable ACM, and in any area which acts as an air plenum where ACM is present in the plenum area, regardless of the friability of the ACM.

Custodians shall be instructed to avoid bumping pipes and walls or other surfaces with brooms, mops, vacuum cleaners, and other cleaning equipment as these disturbances may release asbestos fibers. All dusting and mopping shall be conducted using wet cleaning techniques or with vacuums equipped with HEPA filters.

- All curtains, books, upholstered furniture, carpets, and other irregular surfaces shall be vacuumed with a HEPA vacuum cleaner at least monthly.

- All non-carpeted floors shall be wet mopped, and all other horizontal surfaces shall be wiped with damp cloths at least monthly.

- Cleaning materials shall be discarded as asbestos waste.

B. Maintenance/Alteration Activities

Prior to beginning all maintenance or alteration activities, personnel shall check the available documentation and consult with the FACM to determine if the activity will disturb any ACM. If disturbance of ACM is unlikely, the activity may proceed. The following precautions and procedures shall be used if accidental disturbance of ACM is possible.

- Written approval using a National Capital Region (NCR) Asbestos Abatement Permit (AAP) (see Attachment 2 for form) shall be obtained from the FACM prior to beginning the work. The FACM shall visit the work area prior to beginning the work.

- The FACM, the GSA Buildings Manager or his designee, and the tenant occupant agency contact shall be notified prior to beginning work involving ACM.

- To the extent possible, all work shall be scheduled after normal working hours; access to the area shall be controlled.

- The air handling system shall be shut off or temporarily modified to the satisfaction of the FACM to prevent the distribution of any released fibers to areas outside the work area.

- The personnel conducting the work shall have current certification as asbestos workers.

- The workers shall wear NIOSH/MSHA approved respirators and protective clothing.

- A 6-mil polyethylene plastic drop cloth shall be placed beneath the location of the work, extending at least ten feet beyond all sides of the work area.

- Sheets of 6-mil polyethylene shall be cut and taped around any thermal insulation which might be disturbed.

- If the activity requires entry into the space above a suspended ceiling in an area which has an ACM fireproofing or friable ACM on any fixture above the ceiling, or if the suspended ceiling contains ACM (e.g. ceiling tile), the ceiling material (tile) shall be removed carefully with as little jarring as possible. The top of the removed ceiling material (tile) and all areas surrounding the opening, including the ACM likely to be disturbed, shall be vacuumed with a HEPA vacuum and misted with amended water.

- After the work is completed, the fixtures, tools, ladders and other equipment shall be HEPA vacuumed or wet cleaned.

- All debris shall be bagged and disposed of as asbestos waste. Smaller debris may be HEPA vacuumed.

- The plastic drop cloth shall be wet cleaned and discarded as asbestos waste.

- Workers shall HEPA vacuum respirators and protective clothing. The clothing shall be discarded as asbestos waste.

- HEPA vacuum cleaner bags and filters shall be disposed of as asbestos waste.

- All debris resulting from asbestos work shall be disposed of in accordance with Environmental Protection Agency (EPA) and local jurisdictional regulations. A copy of the dump ticket associated with the asbestos waste shall be obtained by/ provided to the FACM for retention.

When the maintenance, renovation, or alteration activity will result in intended or likely disturbance of ACM, the procedures listed above must be used. In addition, the procedures listed below must be followed:

- Selected workers must wear personal monitors as required by the Occupational Safety and Health Administration (OSHA) unless previous experience with the same ACM and similar operations indicates that fiber levels are likely to be less than the Permissible Exposure Limit (PEL).

- When small areas of surfacing materials are being removed, the ACM shall be collected with a HEPA vacuum as it is removed from the surface.

- Removal and repairs to thermal insulation shall be made using glove bag techniques where possible.

Workers shall wear approved respirators while changing the filters in the HVAC system. The HVAC filters shall be misted with water, sealed in plastic bags and discarded as asbestos waste.

FIBER RELEASE EPISODES

Custodial and maintenance workers as well as building occupants shall report the presence of debris, water or physical damage or any other evidence of possible fiber release to the FACM. The FACM shall document these reports (see Attachment 3 for form) and shall evaluate the situation and determine if the maintenance staff can adequately clean the area or if a large scale abatement must be initiated. The FACM shall report all suspected and actual fiber release episodes to GSA NCR Safety and Environmental Management Division (WPX) at 453-5236.

Minor episodes will be treated with standard wet cleaning and HEPA vacuum techniques:

- The work shall be documented on an NCR AAP.

- Workers shall be trained and shall wear approved respirators and protective clothing.

- The debris shall be saturated with water or amended water and placed in labeled 6-mil asbestos disposal bags.

- The surface may be cleaned with a wet cloth or mop. Alternatively, the debris may be collected with a HEPA vacuum.

- The damaged ACM shall be repaired with an asbestos free material or sealed using an approved method.

- All debris and materials used in the clean up shall be discarded as asbestos waste.

- Workers shall HEPA vacuum their protective clothing and respirators and place their disposable clothing in 6-mil disposal bags for disposal as asbestos waste.

Major fiber release episodes may result from damage to more than three square feet of surfacing material or three linear feet of thermal insulation. The following response procedures shall be used in addition to those listed above:

- The area shall be isolated as soon as possible after the ACM debris or damage is discovered.

- The air-handling system shall be shut off or temporarily modified to prevent the distribution of fibers to other areas of the building. Doors, windows and air registers should be sealed with plastic and tape.

The area shall then be prepared for abatement or encapsulation in accordance with all applicable Federal, State and local regulations (29 CFR 1926.58 plus Appendices A through M will serve as the minimum requirement).

INSPECTIONS

All of the ACM in the building shall be inspected at least semi-annually and damaged friable materials shall be reinspected at least monthly, unless otherwise noted on Attachment 1. Inspections shall be conducted by the FACM who shall review all survey and abatement documents and in-house removal and repair documents prior to the inspection. He shall prepare an inventory list of all ACM known to be in the building. Each item on the

list shall be inspected for changes in its condition (has the material deteriorated or been damaged?), potential for disturbance (accessibility, sources of vibration, and potential for air erosion) and location of the ACM in or near air plenums or air shafts. Any changes in the condition of the ACM shall be documented (see Attachment 4 for form). When changes are noted, the material shall be considered for abatement action.

Air monitoring, in accordance with established EPA guidelines or OSHA requirements, shall be used to supplement the visual inspections when friable ACM is discovered or as required on Attachment 1. Changes in the ambient fiber levels will indicate a need for further abatement activities. Additionally, ambient air monitoring throughout occupied spaces shall be conducted on an annual basis. This air monitoring shall be coordinated by the FACM through GSA NCR WPX.

RECORDKEEPING

All written documents pertaining to asbestos work practices, including but not limited to GSA AAPs, ACM Damage/Debris Reports, ACM Inspection Reports, and dump tickets shall be stored in permanent files in the FACM's office. These records and records of exposure measurements shall be retained for at least 30 years. Records for each employee participating in the asbestos medical surveillance program shall be maintained for the duration of employment plus 30 years. All employee training records shall be retained for one year beyond the last date of each worker's employment. All documents must be readily available for review by authorized personnel from GSA and other Government agencies as required.

REFERENCES

Guidance for Controlling Asbestos-Containing Materials in Buildings, 1985, U.S. Environmental Protection Agency, Washington, D.C., EPA 560/5-85-024.

Operations and Maintenance Programs for Asbestos-Containing Materials in Buildings: A Guide for Building Owners and Managers, Draft Report, February 13, 1987. U.S. Environmental Protection Agency, Washington, D.C.

Code of Federal Regulations, Title 29, Parts 1910.1001 and 1926.58.

GSA Order PBS P.5900.2B, Chapter 10, "Asbestos".

NEW EXECUTIVE OFFICE BUILDING

INVENTORY OF ASBESTOS-CONTAINING MATERIALS

JULY 1988

Material Location	Product Type	Condition of ACM	Necessary Corrective Action	Current Status
First and second basement hallways	pipe insulation	no damage	O&M plan VI semi-annually AM annually remove during scheduled maintenance	plan completed inspections and monitoring continuing removal as required
All main corridors and stairways, fire doors	air cell insulation	no damage	O&M plan replace doors when required	as above
Service and building elevator lobbies, loading dock, food locker/freezer rooms (2nd floor)	troweled-on ceiling/ acoustical plaster	no damage	O&M plan VI semi-annually AM annually remove during renovation	as above
Ceiling surfaces on all floors, first basement to ninth floor	sprayed-on fireproofing	minor damage	O&M plan VI quarterly AM semi-annually remove during renovation	repairs will be completed by 10/88
Mechanical areas (basement tank and compressor rooms, penthouse)	pipe, duct, elbow, water tank, and AHU insulation	minor damage	O&M plan VI semi-annually AM annually repair as necessary remove during scheduled maintenance	repairs will be completed by 10/88

1. O&M - operations and maintenance
2. VI - visual inspection
3. AM - air monitoring
4. AHU - air handling unit

Attachment 1

General Services Administration
National Capital Region
Washington, DC 20407

WPXE PERMIT NUMBER _____

GSA NATIONAL CAPITAL REGION ASBESTOS CONTROL PERMIT
(POST SIGNED COPY AT JOB SITE)

(1) BUILDING _____
GSA BUILDING NUMBER _____
(2) A. BRIEF DESCRIPTION (ATTACH DESCRIPTION OR FLOOR PLAN, AS NECESSARY AND AVAILABLE _____

B. ENVIRONMENTAL CONTROL METHOD? GLOVE BAG ____ CONTAINMENT ____
C. LINEAR FEET PIPE: _____ SQUARE FEET INSULATION: _____
(3) WHEN IS THIS JOB TO START? _____ FINISH? _____
(4) SCHEDULED WORKING HOURS OF ABATEMENT WORKERS _____
(5) WHO WROTE THE SPECIFICATION? NAME: _____
PHONE#: _____
(6) ESTIMATED OR ACTUAL COST OF THIS REMOVAL JOB $_____
(7) CONTRACTORS:
GENERAL: _____ ASBESTOS: _____
ADDRESS: _____ ADDRESS: _____
PHONE: _____ PHONE: _____
SUPERVISOR: _____ SUPERVISOR: _____

(8) DEBRIS HAULED BY: _____ TO: _____
Address: _____ Address: _____
Phone: _____ Phone: _____
(9) AIR MONITORING

	CONTRACTOR'S MONITOR	GSA'S MONITOR
NAME OF FIRM:	_____	_____
PERSON TO CONTACT:	_____	_____
PHONE NUMBER:	_____	_____

(10) TENANT CONTACT'S NAME: _____
AGENCY: _____ PHONE#: _____
(11) FACILITY ASBESTOS CONTROL MANAGER REVIEW:
SIGNATURE: _____ DATE: _____
PHONE: _____

(12) GSA **SAFETY & ENVIRONMENTAL MANAGEMENT DIVISION REVIEW (WPX):**

SIGNATURE: _____ DATE: _____

(13) **ASSISTANT REGIONAL ADMINISTRATIOR REAL PROPERTY & OPERATIONS**

(WP) APPROVAL SIGNATURE: _____ DATE: _____

RETURN TO: GSA Safety & Environmental Management Division (WPX)
ROB RM 2034
880201 WASHINGTON,DC 20407

NOTIFICATION: EPA: _____
DEMO: ____ DC: _____
RENO: ____ MD : _____
SF _____ LF _____ VA : _____

(FOR INFORMATION CONTACT 453-5236 AFTER HOURS 472-1111)