HOW TO COMPLETE A GSA ASBESTOS CONTROL PERMIT

The following example and information is provided to assist personnel in filling a National Capital Region Asbestos Control Permit. These directions flow from the top of the form starting with the Permit Number. Should you have questions in filling out the permit, call the Safety and Environmental Management Division on 453-5236.

WPXE PERMIT NUMBER _____

This is a control number which will be assigned by the Safety and Environmental Management Division.

GSA NATIONAL CAPITAL REGION ASBESTOS CONTROL PERMIT
(POST SIGNED COPY AT JOB SITE)

(1) BUILDING _____
GSA BUILDING NUMBER _____

Block 1: This is the name normally associated with the building, and the assigned GSA Building Number.

(2) 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: _____

Block 2: In this block place a description which best describes the work to be performed. Exact descriptions are not necessary, but such terms as approximately 29 linear feet of pipe or 3 valves really are helpful in placing a scale on the project. Block 2.B does ask what control method wll be used in performing the work. In Block 2.C GSA has to report feet of pipe or square feet of asbestos material.

(3) WHEN IS THIS JOB TO START? _____ FINISH? _____

Block 3: This is the approximate date that the job will start. Try to be as specific as possible about the start date, but don't hold up the permit waiting to determine the exact date. the same holds true for the finish date.

(4) SCHEDULED WORKING HOURS OF ABATEMENT WORKERS _____

Block 4: **What hours will the abatement workers be on the site? (for example -- 6PM to 2AM) This will help plan monitoring and inspections.**

(5) WHO WROTE THE SPECIFICATION? NAME: _____
PHONE# _____

Block 5: **Who can answer the specific questions Safety and Environmental Management might have about this project and what is the phone number where they can be reached?**

(6) ESTIMATED OR ACTUAL COST OF JOB $_____

Block 6: **How much will the asbestos abatement work cost? We want removal and replacement cost.**

(7) CONTRACTORS:

GENERAL:	_____	ASBESTOS:	
ADDRESS:	_____	ADDRESS:	_____
	_____		_____
PHONE:	_____	PHONE:	_____
SUPERVISOR:	_____	SUPERVISOR:	_____

Block 7: **This information is especially helpful when someone wants to know "Who is doing that Job? We need someone to re-seal the plastic or mop up water." Make sure there is an emergency number for the abatement contractor. It is also an EPA requirment.**

(8) DEBRIS HAULED BY: _____ TO: _____

Address:	_____	Address:	_____
Phone:	_____	Phone:	_____

Block 8: **Long after the enclosure has been taken away, this helps GSA answer the question "Is that GSA's asbestos in that vacant lot in Manassas?"**

(9) AIR MONITORING

	CONTRACTOR'S MONITOR	GSA'S MONITOR
NAME OF FIRM:	_____	_____
PERSON TO CONTACT:	_____	_____
PHONE NUMBER:	_____	_____

Block 9: The removal contractor will probably have a monitoring contractor sampling periodically to assure that he meets the requirements of the Occupational Safety and Health Act (OSHA). To assure that a removal project is conducted in accordance with GSA's requirements, GSA wants to have a monitoring contractor responsible to GSA alone on site also.

(10) AGENCY: _____ CONTACT'S NAME: _____
PHONE#: _____

Block 10: The agency occupying the facility where the abatement is taking place. They are to be notified that the work is to take place.

(11) FACILITY ASBESTOS CONTROL MANAGER REVIEW:
SIGNATURE: _____ DATE: _____
PHONE: _____

Block 11: One of the Facility Asbestos Control Manager's responsibilities is to keep track of projects in buildings under their control. How can GSA Safety reach the FACM.

(12) GSA SAFETY & ENVIRONMENTAL MANAGEMENT APPROVAL (WPX):
SIGNATURE: _____ DATE: _____

Block 12: When all the blanks are filled out, and the monitoring is assured, GSA Safety and Environmental Management Division reviews the job and approves it.

(13) ASSISTANT REGIONAL ADMINISTRATOR REAL PROPERTY & OPERATIONS (WP) APPROVAL SIGNATURE: _____ DATE: _____

Block 13: All Asbestos Abatement Permits are sent to the Assistant Regional Administrator for Real Property and Operations (WP) for reviews and approval. Upon approval, the signed permit is returned to the FACM for posting at the job site.

RETURN TO: GSA Safety & Environmental		NOTIFICATION:	EPA: _____
Management Division (WPX)		DEMO: ___	DC: _____
ROB RM 2034		RENO: ___	MD : _____
880201	WASHINGTON,DC 20407	SF_____LF____	VA : _____

The "RETURN TO" block is to let everyone know where to send the permit when the job is completed. The notification area will be used by the Safety and Environmental Management Division as part of tracking their EPA Notifications.

(FOR INFORMATION CONTACT 453-5236 AFTER HOURS 472-1111)

ASBESTOS CONTAINING MATERIAL DAMAGE/DEBRIS REPORT

Reported by: _____ Date: _____

Bldg Name & No: _____

Address: _____

Location and description of damage/debris: (be specific)

_____

_____

_____

_____

Corrective Action Taken: (include date of and procedures used for corrective action)

_____

_____

_____

_____

_____

_____

_____

_____

Additional Information: _____

_____

_____

_____

Reviewed by: _____ Date: _____
FACM

Attachment 3

ASBESTOS CONTAINING MATERIAL INSPECTION REPORT

Bldg Name: _____ Bldg No: _____

Inspector: _____ Date: _____

Location Floor/Rm	Material Type	Physical Damage (Y/N)	Water Damage (Y/N)	Delamination/ Deterioration	Accessibility (H/M/L)	Activity (H/M/L)	Air Plenum (Y/N)	Comments

Y/N = yes/no
H/M/L = high/moderate/low

GSA NATIONAL CAPITAL REGION

ASBESTOS OPERATIONS AND MAINTENANCE PLAN

BUILDING: _____

BUILDING NUMBER: _____

BUILDING ADDRESS: _____

STATE/ZIP: _____

NAME OF FACILITY
ASBESTOS CONTROL MANAGER: _____

TYPE ASBESTOS IN BUILDING			DATE LAST INSPECTED
1.	_____	SPRAYED-ON FIREPROOFING	_____
2.	_____	SPRAYED-ON ACOUSTICAL MATERIAL	_____
3.	_____	CEILING TILES	_____
4.	_____	MECHANICAL EQUIPMENT COVERING	_____
5.	_____	PIPE COVERING	_____
6.	_____	FLOOR TILES	_____
7.	_____	OTHER MATERIAL	_____
8.	_____	SURVEY NOT PERFORMED	_____

Adopted: _____ Date: _____
Signature of Asbestos Control Mgr.

GSA NATIONAL CAPITAL REGION

ASBESTOS OPERATIONS AND MAINTENANCE PLAN

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 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). 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/She 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.

TRAINING AND EDUCATION

The Government tenant agency representative 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.

This information and its presentation shall be reviewed by the FACM. The facility may also wish to have their legal representative review the material prior to presenting it to the building occupants.

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/She 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".

ASBESTOS CONTAINING MATERIAL LOCATION AND ABATEMENT RECOMMENDATION

_____ - _____

BUILDING NAME - BUILDING NUMBER

PAGE _____ of _____

Location of Material Floor/Rm Type	Product Type	Condition of ACM	Recommended Corrective Action

Attachment 1

General Services Administration
National Capital Region
Washington, DC 20407

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) FACILITY ASBESTOS CONTROL MANAGER REVIEW:
PHONE: _____
SIGNATURE: _____ DATE: _____

(12) GSA SAFETY & ENVIRONMENTAL MANAGEMENT DIVISION REVIEW (WPX):

SIGNATURE: _____ DATE: _____

(13) **ASSISTANT REGIONAL ADMINISTRATIOR, PUBLIC BUILDINGS SERVICE**

(WP) APPROVAL SIGNATURE: _____ DATE: _____

RETURN TO: GSA Safety & Environmental Management Division (WPX)
ROB RM 2036
890404 WASHINGTON, DC 20407

NOTIFICATION: EPA: _____
DEMO: ___ DC: _____
RENO: ___ MD : _____
LF _____ SF _____ VA : _____

(FOR INFORMATION CONTACT 453-5236 AFTER HOURS 472-1111)

ASBESTOS CONTAINING MATERIAL DAMAGE/DEBRIS REPORT

Reported by: _____ Date: _____

Bldg Name & No: _____

Address: _____

Location and description of damage/debris: (be specific)

_____

_____

_____

_____

Corrective Action Taken: (include date of and procedures used for corrective action)

_____

_____

_____

_____

_____

_____

_____

_____

Additional Information: _____

_____

_____

_____

Reviewed by: _____ Date: _____
FACM

Attachment 3

ASBESTOS CONTAINING MATERIAL INSPECTION REPORT

Bldg Name: _____ Bldg No: _____

Inspector: _____ Date: _____

Location Floor/Rm	Material Type	Physical Damage(Y/N)	Water Damage(Y/N)	Delamination/ Deterioration	Accessibility (H/M/L)	Activity (H/M/L)	Air Plenum (Y/N)	Comments

Attachment 4

MARIAN

DRAFT

MEMORANDUM FOR WILLIAM COBBS
BUILDINGS MANAGER - WPFX

OCT 5

FROM: GUY D. BOSTON
DIRECTOR
SAFETY AND ENVIRONMENTAL
MANAGEMENT DIVISION - WPX

SUBJECT: Air Quality of NEOB

This memorandum is in response to the September 6, 1989 letter from Mr. Lewis Pearson, Director of Facilities Management Division, Office of Administration, Executive Office of the President, concerning the air quality of the NEOB.

As a result of Mr. Pearson's letter, a preliminary survey of the facilities was performed by Marian Nuckolls and Roy Thomas of the Safety and Environmental Management Division, accompanied by John Marsh, White House Field Office during the last week of September 1989.

September 9, 1989, a HVAC Data Sheet was completed by Mr. Marsh describing the mechanical systems that service the building. The Heating, Ventilation and Cooling is of the Central system type (constant air) with supplemental Fan Coil Units. There are additional units for the elevator lobbies as well computer cooling systems. The building is divided into four (4) vertical zones. Currently there is no humidification or dehumidification provided. The central fresh air intake is located on the penthouse and is not subject to exposure to ground emissions. The roof top has large baffles around the perimeter. This baffle may well be causing the mixing of exhausting air with the fresh air intake when there is a lack of ambient winds.

The service and return air is provided through slots in the ceiling tiles. Condition air is supplied to the offices through ducts to these slots. The return air is drawn into the plenum (the ceiling space) through similar slots. The system design does present a possible "short circuit" of the supplied air if the return air fan system produces a negative pressure which would over power the service air.

Currently the HVAC system is not being operated as designed. This system was to be operated 24 hours a day, the air was to be cooled and reheated to control humidity. Energy reduction has dictitated the reduced operating times and the non-use of the reheat devices.

Operating zone #4 of the HAVC system has carbon filters installed. These filters were installed to deal with smokers in days before the GSA Smoking Ban. Recommend the removal of this filter system. It has no function. It has a function - filteration to remove XYZ but is not needed for ci smok

The walk through of the facility noted the following findings:

DRAFT

[1] Soot was noted at the supplied air slots on all floors and in each zone.

[2] Modular furniture as well as removing and relocation of wall units ~~have~~ created a air flow and return problem. Lack of adequate air balancing on floors 3 to 8 is especially apparent. Small fans are being used throughout all floors.

Thru isn't it I thought only 9+10 were ok. Why is there no prob on 1+2? Not enough office space

[3] Individual work areas were noted to have major amounts of stored materials i.e.., paper, files and open book cases. This condition creates a major barrier to the cleaning personnel.

[4] Dedicated Smoking areas must have a increased amount of ventilation and the exhaust should not mix with the return air system.

[5] Ice rooms/refrigerators must be maintained in a clean and dry condition. Some refrigerators had molding food stuffs.

[6] Occupants must not move ceiling tile about. Sprayed on Asbestos is above the ceiling and each movement of the ceiling tiles could possible expose personnel to air borne asbestos.

[7] During the summer months the reheat system should be used to lower the humidity in the spaces. This last summer occupants complained about the damp cold. Energy cost will increase, but the occupant complaints about upper respiratory health problems should decrease.

[8] The 9th and 10th floor occupants can open the exterior windows and allowed unfiltered air into the work space.

[9] The Fan Units drain pans located next to the windows on the 9th and 10th floors appear to have leaked water in the past as noted by the stained ceiling tiles. These drains should be inspected and cleaned as needed.

[10] The windows on the 9th and 10th floor are leaking and deteriorated the plaster above the windows. This adds to the moisture levels within these work spaces.

[11] A number of floors have old and stained carpet which should be removed and replaced. Upon removal of the carpet the floor should be cleaned with a biocide.

[12] Fan coil units should be cleaned and filters ~~remove~~ removed and replaced or cleaned. All plants that are currently ~~residing~~ SITTING on these units should be removed.

[13] While plantlife does provide increased oxygen, the materials they grow in add to the mold/fungi contamination sources in the work area. The ~~loving~~ plant owners ~~provide~~ may ~~interesting feed for the plants and~~ spill water onto carpets and into fan units, adding to the growth potential of microbes.

OK ROY CUT THE FLOWERY PROSE

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: INSTALL SPRINKLER AND FIRE ALARM SYSTEM

PROJECT CONTROL NUMBER: IDC 08118

NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET, N.W.
WASHINGTON, D.C. 20006

BUILDING NUMBER: DC0105ZZ

JOB NUMBER: 92-187

GSA PROJECT OFFICER: LARRY AITCHESON 708-8540

ARCHITECT/ENGINEER FIRM: HALLIBURTON NUS ENVIRONMENTAL CORPORATION

SUBMISSION TYPE & DATE: Concept Submission

November 21, 1991

FILE NAME: <IH>REV.NEOB-SPRINK-92-187

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-92-187
MACE:12/11/91

Author:_____ Date:_____
Ronald R. Mace, CIH, OMC Environmental

Concur: Marian B. Nuckolls _____ Date:_____
Marian B. Nuckolls, Section Chief

NEOB
DC010522
IAQ

NEOB IAQ PRESENTATION
SUMMARY OF PHASE I & PHASE II SURVEY RESULTS – MARCH 1998

SCOPE OF WORK

- Investigation, Inspection and air sampling
- 9 representative areas of the building; floors 2, 3, 5, 7, 9 & 10
- 1 complaint area on the 5th floor

EMPLOYEE QUESTIONNAIRES

- 10 questionnaires distributed, one per area; 7 completed
- 6 reported no symptoms or complaints
- One employee respo[illegible] NIOSH's criteria for Sick Building Syndrome symptoms She was in the 5th floor complaint area
- Two employees reported comfort-related problems with temperature extremes

OFFICE AREA INSPECTION

- No significant sources of air contaminants in office spaces
- Potential sources of air contaminants:
  - debris/dust in 1 fan coil unit (FCU) could lead to mold growth and bioaerosols; found in one office
  - mold on plants could lead to bioaerosols; found in one office
  - office machines (printers, copiers) can generate ozone, VOCs and particulates; generally not a problem in well ventilated office
  - the large number of office machines in one 5th floor space may be a factor in employee complaints
- Air flow movement was generally good
  - Fair to poor air movement was observed in 4 areas; personal fans observed
  - Possible reason, subdividing open plan space into individual offices without regard to the ventilation system

COMMON AREAS INSPECTION

- Painting was in progress on the ground and 5th floors; can be a source of VOCs
  - Latex paint used; generally not a problem
  - Elevators were pumping paint odors to different floors
- Other representative areas appeared clean & well maintained, with no significant potential sources of air contaminants

HVAC INSPECTION

- HVAC overview
  - 4 AHUs that provide a minimum of 25% outside air; modulated by outdoor temperature
  - Final (bag) filters are a high efficiency type (85%)
  - Supply diffusers are located in the fluorescent light fixtures
  - System has a ceiling plenum return in most areas, and ducted return in some areas
  - In the past building had charcoal filters, and charcoal dust has reportedly been observed from time to time in office spaces
  - Perimeter FCUs condition air for temperature and do not provide outside air
  - Because of renovations over the years, 1 thermostat may control several rooms; this can lead to temperature control problems
  - The HVAC systems are maintained in a preventive maintenance program that includes regular testing of the cooling towers for Legionella bacteria
- HVAC Inspection
  - AHUs clean with no significant dust or debris
  - Some minor deterioration of the fiberglass lining in one area
  - Filters had light to moderate dust loading
  - Mechanical rooms were clean and well maintained
  - No significant source of air contaminants in AHUs or in mechanical rooms

AIR SAMPLING RESULTS

- General IAQ parameters
  - Temperatures: 72° to 78°; 9 of 10 areas within the comfort zone
  - Relative Humidity levels: 11-15%; all areas below guidelines; typical for a winter's day
  - Carbon dioxide (overall indicator of air quality): 461 to 578 ppm; all areas well within guidelines
  - Carbon monoxide: undetectable in all areas; <1 ppm; all areas well within guidelines
- Contaminant specific parameters (Phase II)

Asbestos

- Asbestos was sampled because it is present as sprayed-on fireproofing in the ceiling decks
- Asbestos was at or below the limit of detection in all areas: 4 of 5 area inside the building were <0.0039 f/cc, one area was at 0.0039 f/cc. The outdoor sample was also <0.0039 f/cc. Results were normal for an urban environment.

  All samples were < 70 s/mm^2, the clearance level for school asbestos abatement projects. All results were < or = 15 s/mm^2

Non-viable fungal spores

- Fungal spores were sampled because of the age of the building and the HVAC systems
- Results ranged from 0 –100 spores/m^3; lower than what we typically measure in buildings; outdoors 585 spores/m^3
- Spores types were ones commonly found in the outdoor and indoor environments, which includes allergenic fungi. Allergenic spore concentration was insignificant.

1331 ASHTON ROAD
BOX 646
HANOVER, MD 21076-0646
410.684.3327
410.684.3384 FAX

AEROSOL MONITORING & ANALYSIS, INC.

Fax

To: Kerry Bonoz
From: Joe Cozzo
Fax: 202-395-4546
Pages: (including this page) 4
Phone: 202-395-3675
Date: 3/25/98
Re: Summary of IAQ Results

☐ Urgent X For Review ☐ Please Comment ☐ Please Reply

● Comments:

My "script"

Facsimile Cover Sheet

To: Steve / Trish
Company: GSA
Phone: 5234
Fax: 708 - 6618

From: Kerry
Company: GSA, White House PMC
Phone: 202 395-3675
Fax: 202 395-4546

Date: 3/26/98
Pages(including cover sheet) 4

Comments: Sorry I was sidetracked!

G-11-96-041

OCCUPATIONAL SAFETY AND HEALTH SURVEY

OF

NEW EXECUTIVE OFFICE BUILDING

DC0105ZZ

725 17TH STREET, NW

WASHINGTON, DC

RESPONSIBLE FIELD OFFICE: WHITE HOUSE PROPERTY MANAGEMENT CENTER

Prepared by:

Events Analysis, Inc.

Task Order No.: P-11-96-DC-0012

Survey Performed By: Gregory K Christensen, CSP

Report Reviewed By: Leslie M. White

SURVEY COMPLETED: January 17, 1996

OCCUPATIONAL SAFETY AND HEALTH SURVEY

OF

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 January 17, 1996, 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 Gregory K. Christensen, CSP, of Events Analysis, Inc.

1.2 The General Services Administration representatives contacted on the site included:

Management - The survey was set up with Mr. Ken Green of the White House Property Management Center (WPMC). An opening conference was conducted with Mr. Green, Safety Officer for the WPMC.

Labor - There were no union representatives present during the survey.

Supervisor - Interviews were conducted with Mr. James Estevez, Electrical Foreman and Mr. Chuck Wilson, Carpenter Shop.

Employee - Interviews were conducted with Ms. Maxine Kitchings, Custodial Shop, Mr. James Lowry, Pipe Fitter and Mr. Herbert Bartlett, Elevator Mechanic.

1.3 There were three moderate (RAC 3) and fourteen minor (RAC 4) occupational safety and health findings identified as a result of this survey.

1.4 There was one moderate open finding from previous surveys.

1.5 No high hazard operations were noted or reported at the time of the survey.

2.0 BUILDING PROFILE

2.1 The New Executive Office Building was constructed in 1966 and 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 as 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 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. The construction of the building consists of reinforced concrete floor/ceiling assemblies. The exterior of the building is brick and glass.

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 - 6,100 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 - 16,910 sq. ft.**
(l) **Confined space - water tanks - (included in utility/mechanical areas listed above).**
(m) Vehicular repair
(n) Radiation
(i) Ionizing
(ii) Nonionizing
(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 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 with a minor exception. 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. 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 elevator penthouse machine rooms, 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. There were two areas in the building observed that are expected to have noise levels in excess of the action level of 85 dBa established by OSHA. Specifically, the chiller room and paper mill room. Noise levels could not be measured as this equipment was not in operation. The chiller and paper rooms in this facility were not posted as noise hazard areas.

Confined Spaces. Several 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: None

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.

4.0 DISCUSSION

4.1 Hazard Communication

A. Usage. Routine building maintenance materials in the form of lubricants, water treatment chemicals, paints and adhesives.

B. Chemical Inventory. An up-to-date chemical inventory for the building was available on-site.

C. Written Hazard Communication Program. The WPMC has adopted a draft hazard communication program from the West Alterations Work Group 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 (MSDS's) were available at this site. A random check of items in the building vis-à-vis the inventory of MSDS's 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 janitorial staff and paper disintegrator operators for use against nuisance dusts and vapors. A pesticide applicator is also provided with respirator protection. However, his respirator was not available for inspection..

4.3 Training

A. Respiratory Protection: Training in the selection, use and care of respirators is required for personnel (i.e. pesticide applicator, janitorial staff and paper mill operators) that have been issued respirators.

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 in lock out - tag out procedures are 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 in regard to entry permit required confined spaces 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 in regard to bloodborne pathogens is 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 the GSA janitorial staff.

F. Forklifts: The GSA does not use any mechanized material handling equipment, e.g., forklifts, in this building. As such, no requirements for forklift training is presented by the operations conducted within the building.

G. Other: There are two ladders in the HVAC air shaft that do no have fall protection cages. Conceivably the ladders will be used to perform modifications to the building or maintenance related tasks at some point in the air shaft. In the event an employee is required to enter the shaft he should be equipped with approved fall protection and properly trained in the use of 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. According to Mr. Green, annual medical examinations are offered and/or provided to all GSA mechanical personnel assigned to this building. Currently the examinations are provided by Professional Health Services of Pennsylvania. The last examinations were performed in September-November of 1995.

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. Two findings were identified. A finding of moderate risk regarding the compatibility of breakers and/or electrical controls with lock out devices was identified.

(1) Many of the electrical disconnects (i.e. switchgear, elevator controls, etc.) in the building cannot be easily locked out with the devices on hand presenting a moderate risk. This condition may allow personnel to ignore the established procedure for lockout/tagout and our observations indicated this has happened. These incidents were also addressed in the WPMC Program Review as a programmatic issue as they did not appear to be isolated occurrences. A recommendation to upgrade the disconnects or to obtain suitable means to facilitate lockout is included in this report.

A second finding of minor risk was identified.

(2) The elevator shop has not been provided with a copy of the SOP for the "Control of Hazardous Energy Sources". Provide a copy of the SOP for the elevator shop personnel.

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 with the requirements of the OEP. There were an appropriate number and type of portable fire extinguishers distributed throughout the GSA occupied spaces. The extinguishers had been recently serviced and were mounted properly. 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 with one exception. Two findings of minor risk were noted.

(1) There was no emergency lighting provided for the chiller room. In the event of a power outage, the lack of illumination would make evacuation more difficult. Provide a battery pack emergency light unit for the chiller room.

(2) There was no exit lighting provided for the chiller room. In the event of an emergency and subsequent power outage, the direction of egress may not be readily apparent. Provide an illuminated exit light for the chiller room.

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. A copy of the Permit Required Confined Space SOP was available for review. Mr. Green 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. Mr. Green indicated that 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 this was the subject of one of the monthly safety meetings. It is recommended that GSA personnel do not enter any "permit required" confined spaces until they have received proper training and the appropriate safety equipment, e.g., air monitoring, ventilation and rescue apparatus has been obtained. A finding has been identified in the WPMC Program Review report as it is felt that this issue transcends individual buildings and is a general concern for the WPMC. A finding was issued in this report to post the entry means with warning signs as this has not been accomplished. The specific permit required confined spaces identified in the building are as follows:

Confined spaces at this facility include:

- Subbasement mechanical room areas - water tanks and a surge tank.

(1) **Entrances posted with warning signs** - No

(2) **Written procedures available (Hazards and controls identified?)** - Yes

(3) **Permit forms available** - Yes

(4) **Air sampling equipment available and calibrated** - No

(5) **Personnel trained** - No

(6) **Rescue equipment/personnel available (on-site or rescue service)** - No

B. Enclosed Spaces: The HVAC air shaft and 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 air shaft. 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

Carbon dioxide (CO_2) and temperature and humidity readings taken in the penthouse and basement mechanical spaces were within the acceptable ranges of the applicable American Society of Heating, Ventilation and Air Conditioning Engineers (ASHRAE) standard and the Federal Property Management Regulations (FPMR) respectively. 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 with no obvious tripping hazards noted. No walking and working surface findings were identified as a result of this survey. However, one previously identified finding regarding two ladders in the HVAC air shaft still exists.

(1) There are two ladders in the HVAC air shaft that do no have fall protection cages. A cage was installed around the top of the air shaft 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 air shaft. Interviews with personnel indicated the air shafts have been entered in the past to perform repairs. A fall would result in severe injury or death. A previous recommendation was made to install protective cages on the ladders. Cages should be installed on ladders in excess of 20 feet for a maximum unbroken length of 30 feet. However, this action would require the ladders to be offset every 30 feet. Mr. Green stated the WPMC did not want to install cages on the ladders as they are rarely used. As an alternative, GSA should consider the following measures. In the event an employee is required to enter the shaft, he should be equipped with approved fall protection and properly trained in the use of this equipment. This action requires the use of fall protection equipment designed for shock loading purposes. The anchorage points should be evaluated to ensure they meet the requirements for shock loading (e.g. capable of supporting a dead weight of 5,400 lb.). All equipment should be periodically evaluated for condition and stored and maintained to prevent deterioration. Finally, during the task two persons should be present with means (i.e. two way radio, cellular telephone) to summon assistance if necessary. The air shaft is also considered an enclosed space and procedures for entering need to be developed.

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. Two minor electrical findings were identified as a result of this survey.

(1) Electrical panel E-45-147 in the penthouse and an electrical panel in the carpenter shop were missing insulator blanks. The area of exposure was minimal in both cases and is considered a minor risk. A recommendation was made to install insulator blanks to maintain the "dead front" integrity of the panel.

(2) An electrical outlet in a potentially wet area (i.e. kitchen in the carpenter shop) was not provided with ground fault circuit interrupter (GFCI) protection. A minor risk of shock injury is presented. A recommendation to provide GFCI protection is included in this report.

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 minor items were identified:

(1) Bench grinder tongue guards were set at approximately 1 inch from the wheel in the USRO and carpenter shops. Such a large opening may allow for pieces of the wheel, should it break during use, to fly out and strike the operator and/or other nearby personnel. The tongue guard should be continually adjusted as the wheel wears down such that the maximum opening between the wheel and the guard is not greater than 1/4 inch.

(2) One other minor machine guarding finding was identified as a result of this survey. HVAC system machinery was properly guarded with the exception of air handlers in the penthouse. The air handlers 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 guard should be modified to enclose the v-belt drive mechanism completely.

4.12 Emergency First Aid Equipment

Eyewash systems were provided in mechanical room and in the corridors in the basement. The systems function properly when tested with one exception noted. Specifically, The water supply pressure was inadequate for the eyewash fountain in the corridor by B-236 in the basement. In the event of an emergency requiring immediate attention, the lack of an operable eyewash could result in permanent injury. The flow of water should be increased to the eyewash fountain. A second item was identified regarding the lack of an eyewash system in an area where caustic liquids are used. Specifically, an emergency eyewash fountain was not provided for a water treatment area in the penthouse. A plumbed in-place eyewash fountain should be provided. An additional recommendation was made to conduct testing on a weekly basis and to maintain documentation of test results for all systems in the building.

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.

(1) Support beams for chain hoists in the chiller room and elevator penthouse did not have the load limits posted. The risk of overload is considered minor. The load limits should be determined and posted conspicuously for the beams.

(2) The hoist is reportedly inspected on a yearly basis, however, no documentation to that affect was available for review at the time of the survey. Lack of proper inspections and maintenance may lead to hoist failures, with subsequent injury to personnel and/or damage to equipment and property. Documentation of maintenance and inspections performed on this unit should be provided.

4.14 Noise

There were two areas (i.e. chiller room and paper disintegrator/mill room) in the building observed that contain noise producing equipment. However, noise levels in the chiller room and paper disintegrator room could not be measured as this equipment was not in operation at the time of the survey. However, a similar paper mill in the OEOB had noise levels that ranged from 94-101 dBa. The chiller room area is also expected to have high noise levels due to the presence of large chillers, compressors, and circulating pumps. Exposures in the paper disintegrator room varies according to workload. Data regarding the typical or average length of exposure was not available nor were any employees working in this area at the time of the survey and as such could not be interviewed. No hearing protection, e.g., muffs and/or plugs were available at the entrances to these rooms. However, all GSA mechanical personnel have reportedly been issued their own personal protective equipment. Nevertheless, hearing protection in the form of muffs and/or plugs should be available at the entrances to these locations for personnel who have either forgotten their equipment or who

have not been issued such equipment. The chiller and paper disintegrator rooms in this facility were not posted as noise hazard areas. A recommendation was included in this report to post the aforementioned areas accordingly. Mr. Green reported all GSA mechanical personnel assigned to this facility receive an annual audiogram as part of their yearly physical.

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". However, spills of blood or other bodily fluids are cleaned-up by the GSA janitorial staff. The janitorial staff was informed of the issues regarding potential exposures to human wastes/bodily fluids indicating training has been accomplished. A control plan has been established and PPE and disposal kits provided to the janitorial staff.

4.17 Measurements

Carbon dioxide concentrations were determined using Drager detector tubes. Results are determined by the reading of a color change produced by the reaction of the substance to be measured with reagents contained in the tube. Sampling was accomplished utilizing the Drager hand pump. The pump was leak tested before and after the survey:

- Light levels were measured with a Digital Illuminometer 93-1065F, Serial Number 002
- Temperature and humidity readings were taken with a Thermohygrometer HI-8564, Serial Number 002
- Sound levels were determined with an RS Field Sound Level Meter

Location	Date	Time	Temp/F	HUM %	NOISE/DBA	CO2
Carpenter Shop	1/17/96	1000	72	44.2	NA	400
Penthouse	1/17/96	1230	74	44.5	NA	
Chiller Rm	1/17/96	1400	71	47.5	NA	500

APPENDIX A

MINOR FINDINGS

MINOR SURVEY FINDINGS REPORT

TO: GSA-NCR

DATE: January 17, 1996

FROM: Events Analysis Inc.

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 (WPX). Please complete form within 60 calendar days of receipt of final.

FINDING #: 1

Support beams for chain hoists in the chiller room and elevator penthouse did not have the load limits posted. The load limits should be determined and posted conspicuously for the beams.

CORRECTIVE ACTION: **DATE:**_____ **BY:**_____

FINDING #: 2

The hoist in the chiller room is reportedly inspected on a yearly basis, however no documentation to that affect was available for review at the time of the survey. Lack of proper inspections and maintenance may lead to hoist failures, with subsequent injury to personnel and/or damage to equipment and property. Documentation of maintenance and inspections performed on this unit should be provided.

CORRECTIVE ACTION: **DATE:**_____ **BY:**_____

Sheet #__2__ of__4__

BUILDING NO: DC0105ZZ

BUILDING NAME & NUMBER: New Executive Office Building

FINDING #: 3

The water supply pressure was inadequate for the eyewash fountain in the corridor by B-236 in the basement. Increase the flow of water to the eyewash fountain.

CORRECTIVE ACTION: **DATE:**_____ **BY:**_____

FINDING #: 4

The elevator shop has not been provided with a copy of the SOP for the "Control of Hazardous Energy Sources". Provide a copy of the SOP for the elevator shop personnel.

CORRECTIVE ACTION: **DATE:**_____ **BY:**_____

FINDING #: 5

Bench grinder tongue guards were set at approximately 1 inch from the wheel in the elevator and carpenter shops. The tongue guards should be continually adjusted as the wheel wears down such that the maximum opening between the wheel and the guard is not greater than 1/4 inch.

CORRECTIVE ACTION: **DATE:**_____ **BY:**_____

FINDING #: 6

Air handlers in the penthouse had guards that enclosed the v-belt drive mechanism on one side only. The existing guard should be modified to enclose the v-belt drive mechanism completely.

CORRECTIVE ACTION: **DATE:**_____ **BY:**_____

Sheet #3 of 4

BUILDING NO: DC0105ZZ

BUILDING NAME & NUMBER: New Executive Office Building

FINDING #: 7

Noise levels in the chiller and paper disintegrator rooms are expected to exceed the action level of 85 dBa established by OSHA. Hearing protection in the form of muffs and/or plugs should be available at the entrances to these locations.

CORRECTIVE ACTION: **DATE:**_____ **BY:**_____

FINDING #: 8

An electrical outlet in a potentially wet area (i.e. kitchen in the carpenter shop) was the non-GFCI type. Provide GFCI protection.

CORRECTIVE ACTION: **DATE:**_____ **BY:**_____

FINDING #: 9

The chiller and paper disintegrator rooms in this facility were not posted as noise hazard areas. Post the aforementioned areas accordingly.

CORRECTIVE ACTION: **DATE:**_____ **BY:**_____

FINDING #: 10

There was no emergency lighting provided for the chiller room. Provide a battery pack emergency light unit for the chiller room.

CORRECTIVE ACTION: **DATE:**_____ **BY:**_____

Sheet #4 of 4

BUILDING NO: DC0105ZZ

BUILDING NAME & NUMBER: New Executive Office Building

FINDING #: 11

There was no exit lighting provided for the chiller room. Provide an illuminated exit light unit for the chiller room.

CORRECTIVE ACTION: **DATE:**_____ **BY:**_____

FINDING #: 12

Electrical panel E-45-147 in the penthouse and electrical panel in the carpenter shop were missing insulator blanks. Install blanks to maintain the "dead front" integrity of the panel.

CORRECTIVE ACTION: **DATE:**_____ **BY:**_____

FINDING #: 13

An emergency eyewash fountain was not provided for a water treatment area in the penthouse. A plumbed in-place eyewash fountain should be provided.

CORRECTIVE ACTION: **DATE:**_____ **BY:**_____

FINDING #: 14

Eyewash systems in the building are not tested regularly and as a result defects are not reported. Conduct testing on a weekly basis and maintain documentation of test results for all systems in the building.

CORRECTIVE ACTION: **DATE:**_____ **BY:**_____

APPENDIX B

RAC 1-2-3

FINDINGS AND RECOMMENDATIONS

OPEN FINDINGS

1. Finding - There are two ladders in the penthouse HVAC air shaft that do no have fall protection cages. A cage was installed around the air shaft limiting access. This action does not mitigate the original perceived hazard. RAC 3-IIC

Risk - Conceivably the ladders will be used to perform modifications or maintenance tasks in the air shaft. Interviews with personnel indicated the air shafts have been entered in the past to perform repairs. A fall would result in severe injury or death.

Recommendation - A previous recommendation was made to install protective cages on the ladders. Cages should be installed on ladders in excess of 20 feet for a maximum unbroken length of 30 feet. As an alternative, GSA should consider the following measures. In the event an employee is required to enter the shaft, he should be equipped with approved fall protection and properly trained in the use of this equipment. This action requires the use of fall protection equipment designed for shock loading purposes. The anchorage points should be evaluated to ensure they meet the requirements for shock loading (e.g. capable of supporting a dead weight of 5,400 lb.). All equipment should be periodically evaluated for condition and stored and maintained to prevent deterioration. Finally, during the task two persons should be present with means (i.e. two way radio, cellular telephone) to summon assistance if necessary. The air shaft is also considered an enclosed space and procedures for entering need to be developed.

Reference Directive - 29 CFR 1910.27(d)(1)(v) & 29 CFR 1926.104(a)

Cost - $1000

NEW FINDINGS

1. Finding - Many of the electrical disconnects (i.e. switchgear, elevator controls) cannot be easily locked out with the devices on hand presenting a moderate risk. RAC 3-IIC

Risk - This condition may allow personnel to ignore the established procedure for lockout/tagout and our observations indicated this has happened.

Recommendation - Upgrade the disconnects or obtain suitable means to facilitate lockout.

Reference Directive - 29 CFR 1910.147(d)(2)

Cost - $15,000

2. Finding - There are several Permit Required Confined Spaces at this location. None of the spaces have been posted with warning signs. RAC 3-IIC

Risk - Unauthorized entry may occur resulting in injuries to personnel.

Recommendation - Post the entry means with warning signs and update the inventory.

Reference Directive - 29 CFR 1910.146(c)(2)

Cost - $200

3. Finding - The HVAC air shaft and penthouse machine areas are considered enclosed spaces. Mechanical, electrical hazards and converging areas are present as well as a fall hazard in the case of the air shaft. RAC 3-IIC

Risk - 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.

Recommendation - Provide written procedures (i.e. identify hazards and controls) and provide a means of communication and post entry means accordingly.

Reference Directive - 29 CFR 1910.146

Cost - $200

G-11-96-041

SURVEY

OF THE

OCCUPATIONAL SAFETY AND HEALTH PROGRAM

IN THE

WHITEHOUSE PROPERTY MANAGEMENT CENTER

Prepared by:

Events Analysis, Inc.

Task Order No.: P-11-96-DC-0012

Survey Performed By: Gregory K. Christensen, CSP

Report Reviewed By: Leslie M. White

SURVEY COMPLETED: January 18, 1995

SURVEY

OF THE

OCCUPATIONAL SAFETY AND HEALTH PROGRAM

IN THE

WHITEHOUSE PROPERTY MANAGEMENT CENTER

1.0 EXECUTIVE SUMMARY

1.1 A baseline survey of the occupational safety and health program at the White House Property Management Center was performed on January 17-18, 1996. The survey was conducted by Mr. Gregory K. Christensen, CSP of Events Analysis, Inc.

1.2 The General Services Administration representatives contacted on the site included:

- Management - The survey was set up with Mr. Ken Green, of the White House Property Management Center (WPMC).
- Person Responsible for the OSH Program - An opening conference was conducted with Mr. Ken Green, Safety Officer and chairman of the WPMC's Occupational Safety & Health Committee.

1.3 There were a total of fifteen findings identified as a result of this survey.

1.4 There were no open findings from previous surveys.

1.5 No high hazard operations were noted or reported in the facilities under the jurisdiction of the WPMC.

2.0 PROPERTY MANAGEMENT CENTER RESPONSIBILITY PROFILE

2.1 Locations Responsible For: The White House Property Management Center is responsible for the operation and maintenance of the following buildings:

- Old Executive Office Building (OEOB)
- New Executive Office Building (NEOB)
- Jackson Place Complex
- White House Garage

2.2 Personnel Responsible For: This Property Management Center is responsible for the occupational safety and health of approximately 113 GSA personnel, broken out by general occupation as follows:

- Administrative - 15 personnel
- Engineer- 25
- Moving Shop - 3
- Carpenters - 7
- Elevator Mechanics - 7
- Plumbers - 8
- Electricians - 19
- Painters - 9
- Custodial - 20

3.0 DISCUSSION

3.1 Hazard Communication

A. Chemical Inventories. A chemical inventory for each building served by the White House Property Management Center, dated August 23, 1995 was available on-site in Mr. Green's office in the White House Executive Office Building. These inventories include the common chemical name, manufacturer's name, stock number, physical state, quantities used per unit time, use and method of disposal. These inventories were complete for all the potentially hazardous materials found on-site at the buildings surveyed. In addition to the inventory maintained by the safety officer, each shop has compiled an inventory list for the chemicals used in the respective shops.

B. Status of Hazard Communication Program: The WPMC has a copy of the West Alterations Work Group (WPMWZ) draft hazard communication program. The WPMC is using the draft as a model for their own program. The draft contains a written policy statement, program requirements, training requirements, a form for the documentation of training and a MSDS request form. A written hazard communication program was available on-site complete with material safety data sheets (MSDS's). A random cross check of items in the facilities to the inventory of MSDS's found no discrepancies. A recommendation to provide a hazard communication program that fully addresses the facilities assigned to this office has been included in this report.

3.2 Personal Protective Equipment

Personal Protective Equipment (PPE) requirements observed included eye & face protection for shop operations and when handling water treatment chemicals. Additional requirements included hearing protection for mechanical room areas as well as in the shops and foot protection throughout all GSA shop and mechanical areas. Further, respiratory protection is required for work involving spray booth operations and special welding operations. Mechanical personnel assigned to the WPMC 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. There are 42 personnel assigned to the various shops that have been provided with respirators. Half and full face air purifying respirators as well as a full face air supplied respirators system have been provided. Documentation of the written respirator program covering the selection, care and use of respirators is not maintained. Nor do personnel receive annual refresher training in the care and use of respirators. An annual fit-test is provided as part of the medical surveillance program. It was noted, however, that 18 personnel provided with respirators declined the physical and as a result were not fit-tested. Potential exposures to personnel declining physicals included solvents, and welding fumes. Due to the possibility of job-related illnesses associated with the aforementioned potential work exposures, a

finding was issued to ensure fit-testing for respirator workers is provided. GSA Form 1025 is currently being used to document the issuance of personal protective equipment assigned to each individual. In addition, PPE Awareness was the topic of the March 95 monthly safety meeting.

3.3 Training

The White House Property Management Center (WPMC) receives occupational safety and health training support from the Regional Safety & Environmental Management (S&EM) Branch in the form of contact training, videos and safety and health related pamphlets. In addition, the WPMC Safety Officer holds monthly safety meetings for all WPMC staff. During calendar year 1995, the WPMC safety meetings have focused on the following topics:

- January 95 Slips, Trips & Falls
- February 95 Eye Protection
- March 95 Material handling
- April 95 Lockout/Tagout
- May 95 Driving Safety
- June 95 Confined Spaces
- July 95 Tool Safety
- August 95 Machine Guarding
- September 95 Housekeeping
- October 95 Fire Prevention
- November 95 Personnel Protective Equipment & Respirators
- December 95 Electrical Hazards

The above is a good mixture of topics for operations personnel. However, it is recommended that at least on one month, a discussion of office safety related items also be included as there are approximately 15 administrative staff assigned to the WPMC. Further, it is recommended that the WPMC also maintain copies of training documentation for courses and/or topics presented by the S&EM Branch as a way of ensuring personnel requiring specific training for safe performance of jobs, e.g., confined space entry, lockout/tagout, use of respirators, etc., have in fact received such training prior to performing any of these functions. Specific training requirements identified as a result of this program review, along with the status of such training is presented by major categories as follows:

A. Respiratory Protection: Respiratory protection training is necessary for the personnel assigned to the paint shop, welders and janitorial employees. These personnel perform work involving organic vapors and fumes. All of these individuals have been issued respirators either in the form of half face air purifying units or full-face air purifying respirators, equipped with cartridges suitable for solvents and particulates. According to Mr. Green, all personnel receive annual refresher training in the use, care and maintenance of respirators through the Regional Safety & Environmental Management (S&EM) Branch. However, no documentation of training was available at the time of the survey.

B. Hazard Communication: Hazard communication training is required due to the usage of routine building maintenance materials, e.g., paints, adhesives, lubricants and water treatment chemicals, which are potentially hazardous. Mr. Green stated that he believes that all GSA operations personnel assigned to this facility have received initial hazard communication training through the Regional Safety & Environmental Management (S&EM) Branch. However, no documentation of training was available at the time of the survey. It is recommended that a review of the records be undertaken to ensure that all applicable personnel have received initial hazard communication training.

C. Lock Out - Tag Out: Lock out - tag out training is necessary for mechanical personnel assigned to the WPMC due to operations involving repair and/or maintenance of mechanized equipment, e.g., air handlers, chillers, motor pump couplers, etc., and all GSA mechanical personnel assigned to the WPMC have received training in lock out - tag out procedures as part of the WPMC's Lock Out - Tag Out SOP. Training was received in the September-November 1995 and documented on form 3076B. In addition, electrical hazards was the topic for the WPMC December 95 safety meeting.

D. Confined Space: Confined space training is necessary for the WPMC mechanical inspectors as there are a number of permit and non-permit required confined spaces within the facilities controlled by the WPMC. Interviews indicated GSA personnel periodically enter "permit required" confined spaces. For example, the Plumbing Foreman reported personnel enter a sewer manhole located on 17th Street. In addition, GSA mechanical inspectors may also have to enter "permit required" confined spaces in the future to inspect contractors' work. Mr. Green stated that training in this area will be provided in the near future via the Regional Safety & Environmental Management (S&EM) Branch. GSA personnel appear to have limited awareness of this issue. Confined space entry was the topic for the June 95 WPMC safety meeting. A recommendation to ensure all applicable GSA personnel receive training prior to entry of "permit required" confined spaces has been included in this report.

E. Bloodborne Pathogens: Bloodborne pathogens training is required for janitorial staff assigned to the WPMC as their routine duties present a potential exposure to blood related wastes/fluids. Accidents involving spills of blood or other bodily fluids are cleaned-up by janitorial staff. The janitorial staff was well aware of the hazards associated with the clean-up of these materials indicating training has been accomplished. The janitorial staffs knowledge of the issues regarding bloodborne pathogens was considered adequate.

F. Forklifts: No forklifts or other mechanized mechanical handling equipment is used within the facilities controlled by the WPMC. As such, there are no requirements for providing training in the use of forklifts.

G. New Employee Documentation: According to Mr. Green, no new employee orientation or training related to occupational safety and health is offered through the WPMC. It is recommended that all new personnel coming into the WPMC be reviewed to ensure that they have received the necessary training to safely perform their assigned duties, e.g., hazard communication, lockout/tagout, etc.

H. Welding/Cutting and Brazing: Welding/cutting and brazing is performed on a limited, as necessary basis by plumbers assigned to the WPMC, using either oxygen/acetylene torches or electric arc welding. While there is no formal requirement for training in this area, it would be prudent to include a review of the safety precautions necessary for these activities in one of the monthly safety meetings.

I. Care, Use and Handling of Compressed Gas Cylinders: Compressed gases in the form of oxygen/acetylene cylinders for welding/cutting and brazing and refrigerants for air conditioning are used throughout the facilities under the jurisdiction of the WPMC. While there are no specific requirements for training associated with compressed gases, it would be prudent to include a review of the safety precautions necessary for work involving compressed gases in one of the monthly safety meetings.

J. Office Worker Safety: The WPMC has approximately 15 administrative personnel. At present, no training specific to office related activities is conducted by the WPMC. A recommendation to include a review of office related safety items in one of the monthly safety meetings has been included in this report.

K. Occupant Emergency Program: Each facility under the jurisdiction of the WPMC has an Occupant Emergency Plan (OEP). It was noted the plan was provided by the Executive Office of the Presidential Facility Management Division and was dated November 1991. Mr. Green reported the plan was being updated. Reportedly, fire drills have not been allowed for the OEOB and NEOB due to security concerns. Mr. Green reported these responsibilities fall under the auspices of the Executive Office of the Presidential Facility Management Division. As such, a finding was not issued.

L. Hearing Protection: Training in the area of hearing protection is required for all GSA mechanical and shop personnel due to the potential for being exposed to excessive noise levels within mechanical spaces and/or during operation of shop equipment. Currently, all such personnel are included in the WPMC's hearing conservation program, which includes the provision of appropriate personal hearing protection, e.g., sound attenuating muffs and/or plugs and an annual audiogram. Training in the care and use of hearing protection has been discussed during monthly safety meetings where the topic focused on personal protective equipment.

M. Lifting: Training in safe lifting techniques is required due to the nature of the work involved both for movers, mechanical personnel and office workers. Material handling is a topic that is periodically addressed in the monthly safety meetings.

N. Other: There are two ladders in the HVAC air shaft in NEOB that do no have fall protection cages. Conceivably, at some time the air shaft will be entered to perform modifications to the building or maintenance related tasks. In the event an employee is required to enter the shaft he should be equipped with approved fall protection and properly trained in the use of equipment. Since employees may not be required to enter, a finding was not issued in the WPMC Program Review. This issue was fully addressed and recommendations included in the Baseline OSH Survey for NEOB.

3.4 Medical Surveillance

According to Mr. Green, as well as other GSA personnel interviewed during this review, a baseline medical examination is provided for all new personnel and annual medical examinations are offered and/or provided to all GSA mechanical personnel assigned to the White House Property Management Center (WPMC). Currently the examinations are provided by Professional Health Services of Pennsylvania. The last examinations were performed in August of 1995. PHS uses a "Medical and Work History" questionnaire to determine the type of tests to be performed on individuals in the medical surveillance program. This questionnaire includes sections on past and/or current diseases; medications taken within the past 3 months or currently being taken; prior surgeries; personal hobbies or activities; a section on general physical history, including any current medical complaints, allergic reactions, and drinking and smoking history; occupational work history, including whether or not PPE is used, type of operations performed and chemical and/or physical stresses exposed to; and concludes with a detailed medical history covering the chest & lungs, cardio-vascular system, neurology, eyes, ears, nose, mouth, throat, bones & joints, stomach/intestines, glands, skin, blood system, urinary tract and reproductive organs. Provided with the completed questionnaires, the examining physician will determine what specific tests are appropriate for each individual. Results of these examinations are then passed on to the individuals and/or their personal physicians. If the results of the examinations include work restrictions, these restrictions are then presented to the appropriate GSA supervisory personnel. No findings pertaining to the medical surveillance program were identified as a result of this survey. Medical surveillance requirements are in compliance with GSA criteria.

3.5 Lock Out/Tag Out Equipment and Knowledge

The White House Property Management Center has developed there own Standard Operating Procedure (SOP) for lockout and tagout operations. This procedure identifies Mr. Jeter Morris as the designated Tagging Authority, to advise the mechanics on all requirements concerning the equipment to be worked on. The General Foremen, Mr. James Estevez and Mr. Rod Quick represent Mr. Morris and have day-to-day responsibility for the program. It is the General Foremens responsibility to ensure the following is performed:

- Ensure each employee is trained in the lockout/tagout SOP and documentation of training on form 3076B is maintained.
- Personally explain the LO/TO procedure to any employee having a need to work in or around energized equipment.
- Ensure sufficient tags and locks are available for the task.
- Ensure inspections are conducted at least annually and records of the equipment/process are maintained

Employees are responsible for following the procedures for pre-planning, implementation, release of lockout/tagout and controlling access to the equipment being serviced.

All GSA electricians and plumbers assigned to the WPMC have their own set of locks, keys and multiple lock hasps. If more than one mechanic is working on a system or a piece of equipment, each mechanic installs his own lock on the hasp. Only the individual mechanic's supervisor has a duplicate set of keys for the locks, which are only to be used in the event of an emergency and only after ensuring that no personnel will be in harms way if the locks are removed. Two findings pertaining to lockout and tagout were identified as a result of this program review.

(1) The individual Shop Foremen have not been provided with a copy of the lockout/tagout procedure.

(2) Observations indicated maintenance and repair tasks are not always conducted in accordance with the procedure outlined in the SOP. For example, with regard to the NEOB a hand-written sign stating "Danger Do Not Operate" was taped to the elevator energizing means in the penthouse. The sign had fallen off and was lying on the floor. A proper tag was not used nor was the energizing means locked out. A second incident was noted in regard to maintenance of an air compressor in the paint shop in OEOB. The pulley guard had been removed and electrical service had been disconnected. However, the only precaution taken was to disconnect the breaker and to secure the panel. A tag and a lock were not applied to the breaker. Further, the electrician stated "only electricians have keys to the panel boxes". This indicates the intent of the SOP is not properly understood and followed. The SOP requires that only those employees engaged in the repair process shall have a key to the locking device. In addition, the preferred method of LO/TO is the lockout and application of a tag to the energy isolating device. Tagout without lockout is considered a last resort. A third incident occurred in a transformer vault in NEOB. In this case single pole breaker devices to allow lockout had been applied. However, tags nor locks had been applied. The implementation of the program is deemed incomplete.

3.6 Written OSH Procedures

A copy of the GSA's Occupational Safety and Health Compendium was available in the GSA offices in each facility visited. In addition, there were several standard operating procedures (SOP's) developed by the WPMC for their specific operations. The need for and degree of SOP's developed by the WPMC by major category is as follows:

A. Respiratory Protection: There is a written standard operating procedure (SOP) governing the selection, use, care and maintenance of respirators by WPMC personnel. At present, WPMC personnel assigned to the Paint Shop have been issued either half-face air purifying respirators or full-face air purifying respirators. Each respirator is provided with cartridges suitable for work involving organic vapors. WPMC respirator users receive annual fit-testing as part of the annual medical exam.

B. Hazard Communication: The WPMC has a copy of the West Alterations Work Group (WPMWZ) draft hazard communication program. The WPMC is using the draft as a model for their own program. This program requires a chemical inventory for each work site to be prepared annually and that a corresponding material safety data sheet (MSDS) be obtained and maintained for each item on the inventories. These MSDS's are to be made readily available at each work site for use by personnel as necessary. In addition, the program requires both initial and annual refresher training in hazard communication. While a chemical inventory and associated MSDS's were available, no documentation of initial hazard communication training was found at the time of the survey and there does not appear to be any refresher training in hazard communication being conducted. A recommendation to provide documentation of initial training and to implement annual refresher training has been included in this report.

C. Lock Out - Tag Out: The WPMC has developed their own generic lock out - tag out standard operation procedure (SOP). The procedure was reviewed and considered adequate for the tasks performed. However, this procedure, has not been reviewed with all WPMC operations personnel.

D. Confined Space: The WPMC has developed their own entry "permit required" confined space program, which includes an inventory of all confined spaces in the facilities within their jurisdiction along with the specific hazards associated with each space. It was noted, however, the inventory was incomplete and the spaces that have been identified were not posted. The SOP contains provisions for testing of atmospheres, ventilation, rescue personnel and/or equipment as well as posting of the spaces, training for personnel and entry permit forms. Interviews with personnel indicated entry into "permit required" confined spaces is conducted. However, it was apparent entry is not conducted in accordance with the provisions outlined in the SOP. For example, the plumbers reported entering a sewer manhole on 17th street. The plumbers have obtained a means for atmospheric testing, however, the GSA entry permit form is not used. personnel have not been properly trained and emergency rescue equipment is not available. A recommendation to ensure the training specified in the SOP is carried out prior to any GSA personnel attempting to entry a permit required confined space has been included in this report.

E. Bloodborne Pathogens: The WPMC has a standard operating procedure (SOP) dealing with the issue of bloodborne pathogens. GSA janitorial personnel routine duties include the clean-up of human waste and other potentially infectious wastes. A Bloodborne Pathogen Exposure Control Plan addendum to the existing SOP for the handling and clean-up of blood or other bodily fluids has been provided to the janitorial personnel. The Control Plan includes procedures for the use of personnel protective equipment, clean-up and disposal of waste collected.

F. Forklifts: The WPMC does not use any forklifts in the facilities under their control. A SOP is included in the OSH compendium.

G: Occupant Emergency Program: The WPMC is provided with an Occupant Emergency Plan (OEP) for the OEOB and NEOB buildings. GSA personnel assigned to each facility are aware of the provisions for their individual building. The plan was provided by the Executive Office of the Presidential Facility Management Division and was dated November 1991. The WPMC does not conduct annual fire drills.

H. Hearing Protection: The basic elements of a hearing conservation program are in place. A written hearing conservation program is maintained by the WPMC. Based on the operations observed, there are no GSA employees exposed to 8 hour TWAs above 85 dBa. However, it is technically possible for a GSA employee to be exposed above this level in some areas. Employees are provided with hearing protection for individual use, in the form of sound attenuating muffs and/or plugs for work in potentially noisy environments such as mechanical spaces, machine shops and paper mill rooms. All operations personnel are given an audiogram as part of their annual physical examinations.

I. Other: Conceivably, at some time the air shaft in NEOB will be entered to perform modifications to the building or maintenance related tasks. In the event an employee is required to enter the shaft and is equipped with approved fall protection, procedures for the use of this equipment would be needed. Since employees may not be required to enter, a finding was not issued in the WPMC Program Review. This issue was fully addressed and recommendations included in the Baseline OSH Survey for NEOB

3.7 Fire Protection Life Safety Issues

There were no programmatic fire protection life safety issues identified as a result of this review.

3.8 Safety Communications

A. Notices and Bulletin Boards: Employee notices are posted on the safety bulletin boards in the various shops. The GSA Occupational Safety & Health Rights and Responsibilities poster and the White House Property Management Center's Safety Committee notices were posted and current.

B. Monthly Safety Meetings: Each shop holds monthly safety meetings for the staff assigned to the WPMC. During the past calendar year the topics discussed have ranged from confined spaces to personal protective equipment. Notices of each up coming meeting are posted at least one week in advance of the scheduled meeting on employee bulletin boards. Documentation of attendance is maintained by the shop supervisors.

C. Safety Committees: The White House Property Management Center (WPMC) has an active, on-going labor management occupational safety and health committee. The current membership of the committee was reported as follows:

- Mr. Ken Green - Management Representative & Chairman of the committee
- Mr. James Esteves - Management Representative
- Ms. Mary Cobb - Management Representative
- Mr. Robert Fowler - Management Representative
- Mr. Larry Simpkins - Labor Representative
- Mr. James Fisher - Labor Representative
- Mr. Bruce Stuart - Labor Representative
- Mr. Reves Gillespie - Labor Representative

The committee meets quarterly to discuss safety related topics and to review how safety is being handled in the facilities within the WPMC's jurisdiction. Typically the committee reviews the GSA form notice of Unsafe Working Conditions, status of various programs, safety suggestions, results of inspections and/or accidents or problems that have been identified since the last meeting.

1. **OSHA Form 162 Complete and On File:** Yes

2. **Meeting Minutes Complete and On File:** Yes

3. **Meeting Agendas:** No

While there was a completed OSHA Form 162 on file and minutes of previous committee meetings are maintained, Mr. Green, Committee Chairman, indicated that there is no set agenda for the committee meetings. A recommendation to develop a specific agenda for the committee has been included in this report.

3.9 Accident Investigation

According to Mr. Green, in the event of an accident, the affected employee's supervisor is responsible for completing the CA-1, Federal Employee's Notice of Traumatic Injury and Claim for Continuation of Pay/Compensation or the CA-2, Notice of Occupational Disease and Claim for Compensation, as appropriate. There is no central repository for all completed CA-1's & 2's within the WPMC. A recommendation to maintain a copy of all completed CA-1's & 2's by the WPMC Safety Officer has been included in this report.

A. Accident Rate/Number: According to Mr. Green there were no lost time accidents recorded in FY 95. There were a total of three accidents recorded on form 3624 and sections 10 and eleven were blank indicating no lost time illness/injuries. Using a total of 177 personnel, as reported by Mr. Green, for the WPMC, this yields a total lost time claims rate of 0.0.

B. Notification Procedures: According to Mr. Green, in the event of an accident, the affected employee's supervisor is responsible for completing the CA-1, Federal Employee's Notice of Traumatic Injury and Claim for Continuation of Pay/Compensation or the CA-2, Notice of Occupational Disease and Claim for Compensation, as appropriate. The completed CA-1's & 2's are then maintained in a file on-site in the facility in which the employee is assigned to. There is no central repository for all completed CA-1's & 2's within the WPMC. A recommendation to maintain a copy of all completed CA-1's & 2's in Mr. Greens' (the WPMC Safety Officer) office has been included in this report.

C. Investigation Procedures: While completed CA-1's & 2's were found for each mishap reviewed, there was no corresponding, completed GSA Form 3623's. Form 3623 identifies the cause(s) of the accidents and recommends appropriate mitigation activities to prevent a re-occurrence of the same type of mishap. Mr. Green stated that it is the responsibility of the individual supervisors to complete this form for each mishap that occurs to personnel under their control. A recommendation to review this requirement and to ensure that the individual supervisors

are familiar with how to carry out an investigation and complete this form is included in this report.

D. Review Process: Currently, there is no review of accident investigations being conducted, as there are no investigations being performed. A recommendation was made to route completed accident investigation forms 3623's to the safety officer for review and record keeping.

E. Implementation of Recommendations: Currently there is no means of evaluating the implementation of recommendations developed as a result of accident investigations as there are no formal investigations being performed. Further, there was no corresponding completed GSA form 3623, which identifies the cause(s) of the accidents and recommends appropriate mitigation activities to prevent a re-occurrence of the same type of mishap for any of the accidents reported during fiscal year (FY) 95.

F. GSA Form 3624: There was a current and complete GSA Form 3624 on file in Mr. Green's office in the Old Executive Office Building.

4.0 FINDINGS AND RECOMMENDATIONS

1. Finding: The Shop Foremen have not been provided with a copy of the lock/tagout procedure.

Recommendation: The Shop Foremen should be provided with a copy of the lock/tagout procedure.

Referenced Directive: ADM P 5940.1 ¶ 16

2. Finding: Maintenance and repair tasks are not always conducted in accordance with the procedure outlined in the SOP. This indicates the intent of the SOP is not properly understood and followed.

Recommendation: Ensure the SOP is properly understood and followed. The SOP requires that only those employees engaged in the repair process shall have a key to the locking device. In addition, the preferred method of LO/TO is the lockout and application of a tag to the energy isolating device. Periodic inspections of the lockout/tagout process should be conducted to ensure the program is properly implemented.

Referenced Directive: ADM P 5940.2 ¶ 16

3. Finding: WPMC personnel have not received formal training from the Regional S&EM Branch regarding entry permit required confined spaces. They may have to enter such spaces to perform assigned tasks and to inspect and/or monitor the activities of contractors.

Recommendation: Ensure all applicable receive training on entry permit required confined spaces prior to actually entering any such space.

Referenced Directive: 29 CFR 1910.146(g) & GSA Confined Space Entry SOP

4. Finding: An annual fit-test is provided as part of the medical surveillance program. It was noted, however, that 18 personnel provided with respirators declined the physical and as a result were not fit-tested.

Recommendation: Due to the possibility of job-related illnesses associated with work exposures, the region should ensure fit-testing is provided for respirator workers.

Referenced Directive: ADM P 5940.1 ¶ 7(e)(3)

5. Finding: Although personnel issued respirators have all reportedly received initial training in the selection, use, care and maintenance of such equipment, there was no documentation to that affect on file in the WPMC.

Recommendation: Provide documentation showing that all personnel who have received respirators have in fact received the appropriate training.

Referenced Directive: ADM P 5940.1 ¶ 7(e)(3)

6. Finding: Personnel who have been issued respirators do not receive annual refresher training.

Recommendation: Provide annual refresher training for all respirator users in the selection, use, care and maintenance of respirators.

Referenced Directive: ADM P 5940.1 ¶ 7(e)(3)

7. Finding: The WPMC has a copy of the West Alterations Work Group draft hazard communication program. The WPMC is using the draft as a model for their own program.

Recommendation: The hazard communication program must specifically address the facilities and employees assigned to WPMC.

Referenced Directive: ADM P 5940.1 ¶ 9(a)

8. Finding: No training relating to office safety was provided during the past calendar year and there are approximately 15 administrative personnel assigned to the WPMC.

It is recommended that at least during one month, a discussion of office safety related items be included in the WPMC's monthly safety meetings.

Referenced Directive: ADM P 5940.1 ¶ 14

9. Finding: The WPMC does not maintain documentation of training conducted by the Regional S&EM Branch for WPMC personnel.

Recommendation: WPMC should maintain copies of training documentation for courses and/or topics presented by the S&EM Branch as a way of ensuring personnel requiring specific training for safe performance of jobs, e.g., confined space entry, lockout/tagout, use of respirators, etc., have in fact received such training prior to perform any of these functions.

Referenced Directive: ADM P 5940.1 ¶ 14(a) & (b)

10. Finding: The WPMC Safety Officer was unaware of any new employee orientation and/or training being conducted.

Recommendation: Ensure all new personnel assigned to the WPMC have received new employee orientation and training as appropriate.

Referenced Directive: 29 CFR 1960.59 & ADM P 5940.1

11. Finding: Welding/cutting and brazing is performed on a limited, as necessary basis by plumbers assigned to the WPMC, using either oxygen/acetylene torches or electric arc welding and there has been no training in the safety aspects of this work within the last calendar year.

Recommendation: While there is no formal requirement for training in this area, it would be prudent to include a review of the safety precautions necessary for these activities in one of the monthly safety meetings.

Referenced Directive: ADM P 5940.1 ¶ 14

12. Finding: Compressed gases in the form of oxygen/acetylene cylinders for welding/cutting and brazing and refrigerants for air conditioning are used throughout the facilities under the jurisdiction of the WPMC and there has been no training in the safety aspects of this work within the last calendar year.

Recommendation: While there are no specific requirements for training associated with compressed gases, it would be prudent to include a review of the safety precautions necessary for work involving compressed gases in one of the monthly safety meetings.

Referenced Directive: ADM P 5940.1 ¶ 14

13. Finding: There is no set agenda for the OSH committee meetings.

Recommendation: Develop a specific agenda for the committee meetings.

Referenced Directive: Good Work Practice

14. Finding: There is no central repository for all completed CA-1's & 2's within the WPMC.

Recommendation: A copy of all completed CA-1's & 2's should be maintained by the WPMC Safety Officer.

Referenced Directive: Good Work Practice

15. Finding: There was no completed GSA form 3623's for the individual accidents recorded on the CA 1's & 2's.

Recommendation: Ensure supervisors know that they are to investigate all accidents and record the appropriate data on the Form 3623 in addition to the Forms CA 1 & 2. Route the completed forms to the Safety Officer for review and record keeping.

Referenced Directive: ADM P 5940.1 ¶ 10(b)

PARAMETERS : REGION NUMBER * 11 FISCAL YEAR RANGE * 96 SERIAL NUMBER * 041 DETAILS/STEPS * D

CONTROL NO: G-11-96-041 BUILDING NO: DC0105ZZ BUILDING NAME: NEW EXECUTIVE OFFICE TRAVEL COST:
SURVEY TYPE: OS & H BRC: R1 ADDRESS: 725 17TH STREET N W TOTAL HRS:
SURVEY DATE: 01/17/1996 FIELD OFFICE: 2021 WASHINGTON D C, DC 20006 TRAVEL CODE:
SURVEY CLASS: SCHEDULED CONDUCTED BY: EVENTS ANALYSIS, INC. DATE ENTERED: 03/29/1996
REPORT DATE: 01/17/1996 LAST MODIFIED: 03/29/1996

COND NUM/ TYPE	B-L/ RAC	SEV./ PROB	RESP OFF.	AREA	DESIGN REFERENCE	CATEGORY/ STATUS	ORIGINAL PLANNED	CURRENT PLANNED/ ACTUAL	AWARD PLANNED/ ACTUAL	COST ESTIMATE/ ACTUAL	PCN/ WORK ITEM	REVISION DATES
001	L	II	BM			OSH	06/29/1996	06/29/1996		15000		
OTH	3	C				OPEN						

CONDITION DESCRIPTION: Many of the electrical disconnects (switchgear, elevator controls) cannot be easily locked out with devices on hand.
RECOMMENDED ACTIONS: Upgrade the disconnects or obtain suitable means to facilitate lockout.
COMMENTS: 29CFR1910.147(d)(2)

002	L	II	BM			OSH	06/29/1996	06/29/1996		200		
OTH	3	C				OPEN						

CONDITION DESCRIPTION: There are several Permit Required Confined Spaces. None have been posted with warning signs.
RECOMMENDED ACTIONS: Post the entry means with warning signs and update the inventory.
COMMENTS: 29CFR1910.146(c)(2)

003	L	II	BM			OSH	06/29/1996	06/29/1996		200		
OTH	3	C				OPEN						

CONDITION DESCRIPTION: The HVAC air shaft and PH machine areas are "enclosed spaces". Mechanical and electrical hazards, converging areas and a fall hazard are present.
RECOMMENDED ACTIONS: Provide written procedures and provide means of communications and post entry means accordingly.
COMMENTS: 29CFR1910.146

******** END OF REPORT **** BATCH CONTROL 00003855

PARAMETERS : REGION NUMBER * 11 FISCAL YEAR RANGE * 96 SERIAL NUMBER * 041 DETAILS/STEPS * D

CONTROL NO: G-11-96-041 BUILDING NO: DC0105ZZ BUILDING NAME: NEW EXECUTIVE OFFICE TRAVEL COST:
SURVEY TYPE: OS & H BRC: R1 ADDRESS: 725 17TH STREET N W TOTAL HRS:
SURVEY DATE: 01/17/1996 FIELD OFFICE: 2021 WASHINGTON D C, DC 20006 TRAVEL CODE:
SURVEY CLASS: SCHEDULED CONDUCTED BY: EVENTS ANALYSIS, INC. DATE ENTERED: 03/29/1996
REPORT DATE: 01/17/1996 LAST MODIFIED: 03/29/1996

COND NUM/ TYPE	B-L/ RAC	SEV./ PROB	RESP OFF.	AREA	DESIGN REFERENCE	CATEGORY/ STATUS	ORIGINAL PLANNED	CURRENT PLANNED/ ACTUAL	AWARD PLANNED/ ACTUAL	COST ESTIMATE/ ACTUAL	PCN/ WORK ITEM	REVISION DATES
001 OTH	L 3	II C	BM			OSH OPEN	06/29/1996	06/29/1996		15000		

CONDITION DESCRIPTION: Many of the electrical disconnects (switchgear, elevator controls) cannot be easily locked out with devices on hand.
RECOMMENDED ACTIONS: Upgrade the disconnects or obtain suitable means to facilitate lockout.
COMMENTS: 29CFR1910.147(d)(2)

002 OTH	L 3	II C	BM			OSH OPEN	06/29/1996	06/29/1996		200		

CONDITION DESCRIPTION: There are several Permit Required Confined Spaces. None have been posted with warning signs.
RECOMMENDED ACTIONS: Post the entry means with warning signs and update the inventory.
COMMENTS: 29CFR1910.146(c)(2)

003 OTH	L 3	II C	BM			OSH OPEN	06/29/1996	06/29/1996		200		

CONDITION DESCRIPTION: The HVAC air shaft and PH machine areas are "enclosed spaces". Mechanical and electrical hazards, converging areas and a fall hazard are present.
RECOMMENDED ACTIONS: Provide written procedures and provide means of communications and post entry means accordingly.
COMMENTS: 29CFR1910.146

******** END OF REPORT **** BATCH CONTROL 00003856

SAFETY & ENVIRONMENTAL MANAGEMENT SYSTEM
SURVEY DETAIL BY CONTROL NUMBER

PARAMETERS : REGION NUMBER * 11 FISCAL YEAR RANGE * 94 SERIAL NUMBER * 037 DETAILS/STEPS * D

CONTROL NO: G-11-94-037
SURVEY TYPE: OS & H
SURVEY DATE: 02/28/1994
SURVEY CLASS: SCHEDULED
REPORT DATE: 04/01/1994

BUILDING NO: DC0105ZZ
BRC: P2
FIELD OFFICE: 2021
CONDUCTED BY: EVENTS ANALYSIS

BUILDING NAME: NEW EXECUTIVE OFFICE
ADDRESS: 725 17TH STREET N W
WASHINGTON D C, DC 20006

TRAVEL COST:
TOTAL HRS:
TRAVEL CODE:
DATE ENTERED: 04/12/1994
LAST MODIFIED: 04/12/1994

COND NUM/ TYPE	B-L/ RAC	SEV./ PROB	RESP OFF.	AREA	DESIGN REFERENCE	CATEGORY/ STATUS	ORIGINAL PLANNED	CURRENT PLANNED/ ACTUAL	AWARD PLANNED/ ACTUAL	COST ESTIMATE/ ACTUAL	PCN/ WORK ITEM	REVISION DATES
001	L	II	BM			OSH	03/30/1994	03/30/1994		2000		
OTH	3	C				OPEN						

CONDITION DESCRIPTION: There are two ladders in the penthouse HVAC air shaft that do not have fall protection cages.
RECOMMENDED ACTIONS: Provide protective cages.
COMMENTS:

002	L	II	BM			OSH	03/30/1994	03/30/1994		5000		
OTH	3	C				OPEN						

CONDITION DESCRIPTION: The ceiling of the transformer vault is treated with a material that is supposed to have asbestos in it. This is also in some of the elec. closets.
RECOMMENDED ACTIONS: Remove or encapsulate the material.
COMMENTS:

003	L	II	BM			OSH	03/30/1994	03/30/1994		1500		
OTH	3	C				OPEN						

CONDITION DESCRIPTION: The addition of chemicals for the cooling tower is done by hand by the GSA employees and there is no emergency shower or eyewash present.
RECOMMENDED ACTIONS: Provide plumbed in eyewash or shower where chemicals are handled.
COMMENTS:

******** END OF REPORT **** BATCH CONTROL 00003283

G-11-94-037

OCCUPATIONAL SAFETY AND HEALTH SURVEY

OF

THE NEW EXECUTIVE OFFICE BUILDING

727 17TH STREET NW

DC0105ZZ

WASHINGTON, DC 20500

APR 15 12 01 PM '95

Prepared by:

Events Analysis, Inc.

Contract No.: GS-P1192MJD0061

Item No: 2 of Task Order No.: P1194DC9053

FINDINGS BY RAC LEVEL

RAC 1	**0**
RAC 2	**0**
RAC 3	**2**
RAC 4/5	**4**

SURVEY DATE: FEBRUARY 28, 1994

OCCUPATIONAL SAFETY AND HEALTH SURVEY

OF

THE NEW EXECUTIVE OFFICE BUILDING

DC0105ZZ

727 17TH STREET NW

WASHINGTON, DC 20500

1.0 EXECUTIVE SUMMARY

1.1 On February 28, 1994 an occupational safety and health survey of GSA operations at the New Executive Office Building (DC0105ZZ), located at 725 17th Street Northwest, Washington, DC 20500 was performed to identify potential occupational safety and health risks that may adversely affect GSA employees in the workplace. The survey was conducted by Milton Van Slyke CSP, PE,of Events Analysis, Inc.

1.2 The General Services Administration representatives contacted on the site included:

- Management - An opening conference was conducted with the assistant Building Manager for the White House Field Office
- Labor - An offer was made to talk with union representatives but none were present during the survey. Short OSH related interviews were conducted with various employees that were contacted during the walk around portion survey.
- Supervisor - An interview was conducted with Mr. Herb Bartlett
- Employee - Mr. Arthur Holman an engineering employee escorted Mr. Van Slyke on the survey of the GSA spaces located in this building. Discussions were held with various employees in the carpentry and GSA shops.

1.3 Two moderate (RAC 3) and four minor (RAC 4) occupational safety and health findings were identified as a result of this survey.

1.4 There were no high hazard operation identified as a result of this survey.

2.0 BUILDING PROFILE

2.1 The New Executive Office Building (NEOB) was constructed in 1966 and is a ten story office building with two below grade levels. The building is formed in the shape of a capital H, with the west leg of the building, which fronts on 17th street, being approximately 80 feet longer than the east leg. The four exit stairs are located on the four ends of the building. The elevators and building services shafts are located in the core of the building, which can be envisioned as the cross bar of the H. The two basement levels are used as a parking garage and as mechanical spaces and workshops. The approximate gross floor area is 37,400 square ft. per floor. The building is occupied by the Executive Office of the President, and the Office of Management and Budget. The building is arranged with a central corridor running along each leg of the building. The type of occupied space includes mainly enclosed offices, a computer room on the fourth floor,

a large conference room on the second floor, a loading dock and paper shredding area on the ground floor, workshops on the 1B level, an exercise facility with sauna and Jacuzzi on the second floor, and a library on the ground floor. An open two story atrium connects the first and second floors of the building on the east and west sides. The construction of the building was observed to be of reinforced concrete floor/ceiling assemblies. The exterior of the building is brick and glass.

2.2 This section summarizes 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 - 6100 square ft (18.96 %)**
- (b) Laboratories
- (c) Parking garages
- (d) Battery charging
- (e) Printing shops
- (f) Firing range
- **(g) Warehousing (Storage) - 9172 square ft (27.54 %)**
- (h) Flammable material storage
- (i) Computer rooms
- **(j) Machine and carpenter shops and**
- **(k) Utility/mechanical -- 16,910 square ft (52.55 %)**
- (l) Confined space
- (m) Vehicular repair
- (n) Radiation
- (i) Ionizing
- (ii) Nonionizing
- (o) PCBs
- (p) Photo labs
- (q) Etching/plating shops
- (r) Welding/sheet metal ships
- (s) Paints spray booths
- **(t) Designated, or recommended, noise hazard areas - Entire carpentry shop**
- (u) Areas requiring respirator protection

3.0 SPECIAL OCCUPANCIES

3.1 Description of Special Occupancies

Carpenter shops: The carpentry shop for the White House Field Office is located in this building. The shop contains grinders, radial arm saws, band saws, crosscut saws, sanding machine and drill presses. Housekeeping throughout this shop was generally good. All woodworking machines are connected to a central dust collection system although there was a good deal of saw dust around the room indicating the the collection system was not always used. The carpentry shop is equipped with a storage loft and break room and locker room. There are usually two personnel working in the shop at any one time, seven days a week.

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: None.

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: No

4.0 DISCUSSION

4.1 Hazard Communication

A. Usage. The primary use of hazardous materials in this facility occurs in the carpentry shop, in the form of adhesives. There was a current chemical inventory available at the time of the survey and material safety data sheets (MSDS's) were available in the shop.

B. Chemical Inventory. There was a current chemical inventory available at the time of the survey and material safety data sheets (MSDS's) were available in the shop.

C. Written Program. Per discussions with Mr. McCauley, there is no written hazard communication program available on-site and although some personnel in the shops have reportedly received training in hazard communications.

4.2 Personal Protective Equipment

Personal Protective Equipment (PPE) requirements observed include eye protection for operation of the various woodworking equipment as well as safety shoes and gloves. In addition, there was hearing protection available in the shop in form of muffs and operators were observed using the muffs while working with the equipment. No findings concerning personal protective equipment was identified as a result of this survey.

4.3 Medical Surveillance

According to persons interviewed, annual medicals examinations are provided to all maintenance personnel either by a Government selected physician or, if the individuals desire, by their personal physician. Annual exams are said to include audiometric testing for mechanics, a pulmonary efficiency test for respirator wearers (GSA). Accordingly, medical surveillance requirements are in compliance with GSA criteria.

4.4 Lock Out/Tag Out Equipment and Knowledge

Although a significant amount of maintenance was underway during the survey, we observed no equipment locked out or tagged out. Interviewed employees were familiar with the lockout/tagout requirement indicating that some raining had been accomplished. No GSA Form 1128 tags were observed and no single-key locks and multiple lock hasps were observed. Electrical breaker panel boxes were usually locked.

4.5 Fire Protection Life Safety Issues

Fire extinguishers were properly selected for the hazard classification and were fully charged with current annual inspection tags. GSA extinguishers were all properly mounted and marked. No burned out exit signs were noted in GSA space and directional indicators appeared adequate. Exit capacity appeared adequate and no locked exits were found.

4.6 Confined Spaces

There are no identified confined spaces at this location.

4.7 Walking/Working Surfaces

There was one finding concerning walking/working surfaces identified during the survey. The storage loft located in the carpentry shop does not have it's floor load limit posted. The load limit should be determined and posted by a qualified structural engineer.

4.8 Electrical Systems

The building is provided with a standard three wire grounded electrical system and the continuity of the ground was confirmed during the survey. All panel boxes observed appeared to be properly sized, labeled and accessible with no used openings noted. No electrical findings were identified as a result of this survey.

4.9 Machine Guarding

The shop in this facility is equipped with grinders, radial arm saws, cross cut saws, band saws, sanding machines and drill presses. All of the equipment was properly guarded.

4.10 Emergency First Aid Equipment

There were no findings concerning the need for or condition of emergency first aid equipment identified as a result of this survey.

4.11 Material Handling & Storage

The only material handling and storage operation associated with this shop concerns the storage of supplies in the loft above the work area and storage for office operations records, etc. No storage related findings were identified as a result of this survey, with the exception of the lack of a posted floor load limit for the loft as was previously discussed.

4.12 Noise

No high noise levels were recorded in the shop at the time of the survey as no equipment was in operation. The area is posted as a noise hazard area and hearing protection in the form of muffs were available at the time of the survey.

4.13 Lighting

No findings concerning illumination levels were noted during this survey.

4.14 Bloodbourne Pathogens -

GSA has no employees which have received training in the hazards associated with bloodbourne pathogens and have no first aid responders.

4.15 Measurements

Carbon dioxide concentrations were determined using Drager detector tubes. Results are determined by the reading of a color change produced by the reaction of the substance to be measured with reagents contained in the tube. Sampling was accomplished utilizing the Drager hand pump. The pump was leak tested before and after the survey:

- Light levels were measured with a Digital Illuminometer 93-1065F, Serial Number 001
- Temperature and humidity readings were taken with a Thermohygrometer HI-8564, Serial Number 001

Location	Date	Time	Temp	HUM %	CO_2 ppm	LIGHT ft/c	NOISE/DBA
Chiller Room	2/28/94	1:45	74F	18.0	500	44.7	72
Carpentry shop	2/28/94	2:25	73F	16.9	600	66.5	<60
Penthouse	2/28/93	3:00	70F	12.4		60	<60

APPENDIX A

MINOR FINDINGS

DRAFT _____ FINAL __X__ Sheet #__1__ of 2

MINOR SURVEY FINDINGS REPORT

TO: GSA - NCR DATE: _____

FROM: EVENTS ANALYSIS, INC.

BUILDING NAME/LOCATION: NEW EXECUTIVE OFFICE BUILDING

17th and Pennsylvania NW, WASHINGTON, DC

PRINTED NAME OF RECIPIENT: _____

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 (WPX). Please complete form within 60 calendar days of receipt of final.

FINDING #: 1

THIS IS A REPEAT FINDING. The storage loft located in the shop does not have it's floor load limit posted. Determine and post the floor load limit.

CORRECTIVE ACTION: **DATE:** _____ **BY:** _____

FINDING #: 2

The eyewash unit in the 2B level compressor room is very loose and could be ineffective during an emergency. Secure the eyewash so it doesn't move around when being used.

CORRECTIVE ACTION: **DATE:** _____ **BY:** _____

FINDING #: 3

There is an unsecured compressed gas bottle in the chiller room area near the office area. Secure the bottle properly or relocate to proper storage location.

CORRECTIVE ACTION: **DATE:**_____ **BY:**_____

FINDING #: 4

There is an unused opening or missing circuit breaker in the SW electrical closet on the 5th floor. Replace breaker or provide an appropriate cover for opening.

CORRECTIVE ACTION: **DATE:**_____ **BY:**_____

APPENDIX B

RAC 1-2-3

FINDINGS AND RECOMMENDATIONS

Finding No.: G-11-94-XXX-001

Referenced Directive: 29 CFR 1910.27(d)(i)

Findings: This is a repeat finding. There are two ladders in the penthouse HVAC air shaft that do no have fall protection cages.

Recommendation:

Provide protective cages.

Category: Y

Responsible for Abatement: BM

Abatement Plan Date:

Correction Date:

Classification:

Comments: Estimated Abatement Cost = $2000

Persons Exposed:

Cost Effectiveness Index:

Risk Code: RAC3 LCII; Moderate

Date Identified: 2/28/94

Finding No.: G-11-93-XXX-002

Referenced Directive: 29 CFR 1910.151(c)

Findings: The chemical addition of chemicals for the cooling tower is done by hand by the GSA employees and there is no emergency shower or eyewash present where this operation occurs.

Recommendation:

Provide plumbed in eyewash or shower.

Category: Y

Responsible for Abatement: BM

Abatement Plan Date:

Correction Date:

Classification:

Comments: Estimated Abatement Cost = $1500

Persons Exposed:

Cost Effectiveness Index:

Risk Code: RAC 3 LCII; Moderate

Date Identified: 2/28/94

PARAMETERS : REGION NUMBER * 11 FISCAL YEAR RANGE * 94 SERIAL NUMBER * 037 DETAILS/STEPS * B

CONTROL NO: G-11-94-037 BUILDING NO: DC0105ZZ BUILDING NAME: NEW EXECUTIVE OFFICE TRAVEL COST:
SURVEY TYPE: OS & H BRC: P2 ADDRESS: 725 17TH STREET N W TOTAL HRS:
SURVEY DATE: 02/28/1994 FIELD OFFICE: 2021 WASHINGTON D C, DC 20006 TRAVEL CODE:
SURVEY CLASS: SCHEDULED CONDUCTED BY: EVENTS ANALYSIS DATE ENTERED: 04/12/1994
REPORT DATE: 04/01/1994 LAST MODIFIED: 04/12/1994

COND NUM/ TYPE	B-L/ RAC	SEV./ PROB	RESP OFF.	AREA	DESIGN REFERENCE	CATEGORY/ STATUS	ORIGINAL PLANNED	CURRENT PLANNED/ ACTUAL	AWARD PLANNED/ ACTUAL	COST ESTIMATE/ ACTUAL	PCN/ WORK ITEM	REVISION DATES
001	L	II	BM			OSH	03/30/1994	03/30/1994		2000		
OTH	3	C				OPEN						

CONDITION DESCRIPTION: There are two ladders in the penthouse HVAC air shaft that do not have fall protection cages.
RECOMMENDED ACTIONS: Provide protective cages.
COMMENTS:

002	L	II	BM			OSH	03/30/1994	03/30/1994		5000		
OTH	3	C				CLOSED		03/30/1994				

CONDITION DESCRIPTION: The ceiling of the transformer vault is treated with a material that is supposed to have asbestos in it. This is also in some of the elec. closets.
RECOMMENDED ACTIONS: Remove or encapsulate the material.
COMMENTS:

003	L	II	BM			OSH	03/30/1994	03/30/1994		1500		
OTH	3	C				OPEN						

CONDITION DESCRIPTION: The addition of chemicals for the cooling tower is done by hand by the GSA employees and there is no emergency shower or eyewash present.
RECOMMENDED ACTIONS: Provide plumbed in eyewash or shower where chemicals are handled.
COMMENTS:

******** END OF REPORT **** BATCH CONTROL 00003607

PARAMETERS : REGION NUMBER * 11 FISCAL YEAR RANGE * 94 SERIAL NUMBER * 037 DETAILS/STEPS * D

CONTROL NO: G-11-94-037 BUILDING NO: DC0105ZZ BUILDING NAME: NEW EXECUTIVE OFFICE TRAVEL COST:
SURVEY TYPE: OS & H BRC: P2 ADDRESS: 725 17TH STREET N W TOTAL HRS:
SURVEY DATE: 02/28/1994 FIELD OFFICE: 2021 WASHINGTON D C, DC 20006 TRAVEL CODE:
SURVEY CLASS: SCHEDULED CONDUCTED BY: EVENTS ANALYSIS DATE ENTERED: 04/12/1994
REPORT DATE: 04/01/1994 LAST MODIFIED: 04/12/1994

COND NUM/ TYPE	B-L/ RAC	SEV./ PROB	RESP OFF.	AREA	DESIGN REFERENCE	CATEGORY/ STATUS	ORIGINAL PLANNED	CURRENT PLANNED/ ACTUAL	AWARD PLANNED/ ACTUAL	COST ESTIMATE/ ACTUAL	PCN/ WORK ITEM	REVISION DATES
001	L	II	BM			OSH	03/30/1994	03/30/1994		2000		
OTH	3	C				OPEN						

CONDITION DESCRIPTION: There are two ladders in the penthouse HVAC air shaft that do not have fall protection cages.
RECOMMENDED ACTIONS: Provide protective cages.
COMMENTS:

002	L	II	BM			OSH	03/30/1994	03/30/1994		5000		
OTH	3	C				OPEN						

CONDITION DESCRIPTION: The ceiling of the transformer vault is treated with a material that is supposed to have asbestos in it. This is also in some of the elec. closets.
RECOMMENDED ACTIONS: Remove or encapsulate the material.
COMMENTS:

003	L	II	BM			OSH	03/30/1994	03/30/1994		1500		
OTH	3	C				OPEN						

CONDITION DESCRIPTION: The addition of chemicals for the cooling tower is done by hand by the GSA employees and there is no emergency shower or eyewash present.
RECOMMENDED ACTIONS: Provide plumbed in eyewash or shower where chemicals are handled.
COMMENTS:

******** END OF REPORT **** BATCH CONTROL 00003283

AC010572

95% SUBMISSION

SPECIFICATION AND BID FORMS

PROJECT: DESIGN/BUILD VERTICAL TRANSPORTATION IMPROVEMENTS FOR PASSENGER ELEVATORS #1 THROUGH #6, PASSENGER/FREIGHT ELEVATOR #7 AND FREIGHT ELEVATOR #8

NEW EXECUTIVE OFFICE BUILDING
WASHINGTON, D.C.

PROJECT CONTROL NO: IDC 68035

VOLUME: III OF IV
GENERAL AND TECHNICAL REQUIREMENTS

BID OPENING: 2:30 P.M., LOCAL TIME
TIME AND DATE: AT PLACE OF BID OPENING ON

_____

SUBMIT BIDS TO: GENERAL SERVICES ADMINISTRATION
NATIONAL CAPITAL REGION
BID ROOM (WADB)
ROOM 1701, GSA REG. OFF. BLDG.
7TH AND D STREETS, S.W.
WASHINGTON, D.C. 20407

CONTRACT NO.:

GENERAL SERVICES ADMINISTRATION

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Section I - Project Requirements

Part 1 - Project Overview

1. NOTICES

1.1 Pre-Bid Conference. A Pre-Bid Conference shall be scheduled by the Contracting Officer, and shall be held prior to the bid due date. The Pre-Bid Conference is intended to provide an opportunity to discuss and clarify any provisions of this Design-Build Elevator Improvements document and Divisions 1 through 16 Specifications including; design program and technical performance specification requirements, bid submission requirements, roles and responsibilities, etc. However, nothing said or represented in the conference shall be deemed to modify the requirements of this document unless followed by a written amendment. Offerors are requested to submit questions relative to this document at least ten (10) days in advance of the conference so the Contracting Officer may prepare responses. Offerors' participation is strongly encouraged. Offeror's who plan to attend shall contact the Contracting Officer to enable a rough count of attendance. The Contracting Officer shall provide Offerors with notification of the date, time, and location of the Pre-Bid Conference. Refer to Specification, Section 00120 - supplementary instruction to bidders, para. 4..1, "Pre-Bid Conference" for additional information.

1.2 Pre-Bid Site Investigation. Prior to the submission of any bids, contractors shall conduct a site investigation and inspection of the building to evaluate and become familiar with the existing site conditions and equipment related to this project. The site investigation shall be used to evaluate and assess the extent of the work needed to satisfy all requirements prescribed by this Design-Build Elevator Improvements document, Division 1 through 16 Specifications, and as may otherwise be prescribed by the Bid Documents. The Pre-Bid Site Investigation shall also be conducted to validate the information provided herein. Refer to Specification, Section 00120 - Supplementary Instruction to Bidders, para. 4..2, "Pre-Bid Site Investigation" for additional information.

1.3 Limitations For Use Of Site. The building has limited space available for a Contractor's "staging area", or room for "on-site" storage for large quantities of construction materials. The Contractor shall coordinate access with the Building Manager. Considerations of any anticipated impact of such limited space conditions shall be factored into the Contractor's bid, schedule of delivery, construction, phasing of work, and costs. Offeror's shall determine and confirm space availability for construction materials with the Building Manager during the Pre-Bid Conference. The Contractor is responsible to make arrangements for any additional "off-site" storage space needed to implement the construction work. Refer to Specification, Section 01040 - Project Coordination, para. 1..5, "Limitations For Use of Site", and Section 01010 - Summary of The Work, para. 1..3, "Contractor Use of Premises" for additional information.

1.4 Site Access. Arrangements for Offeror's site access and Pre-Bid Site Investigation shall be coordinated through the Building Manager. Site related questions shall be addressed at the Pre-Bid Conference or be submitted in writing to the Contracting Officer. Refer to Specification, Section 00120 - Supplementary Instruction to Bidders, para. 4..4, "Visit to Site" for additional information.

1.5 References. Government issuances (handbooks, guidelines, regulations, etc.) referenced in this

document are available through the GSA NCR Property Management Division-Technical Resource Center, 7th & D Streets S.W., (Room 2021) Washington, D.C. 20407, or the GSA Regional Contracts Division unless otherwise noted. Referenced private sector issuances (codes, standards, guidelines, etc.) shall be obtained by the Offeror at no cost to the Government. Section II of this document contains a listing of referenced issuances for this project.

2. INTRODUCTION

2.1 Organization. This Design-Build Elevator Improvements document is comprised of four "Sections". Section I provides the "Project Requirements" which includes this "Project Overview," followed by a "Statement of Work," and "Contract Administration" requirements." Section II provides the "Project Scope And Technical Requirements" which include the project's "Background and Objectives", "Existing Conditions", "New Work", and "Design Criteria/Guidelines". Section III addresses "Bid and Award" which provides "Bid Submission Requirements" and information related to "Evaluation and Award". Section IV provides "Supplemental Information", which includes "Exhibits", and "Appendices".

2.2 Involved Parties. This document is issued by the Public Buildings Service of the United States General Services Administration (GSA), National Capital Region, hereinafter referred to as the "Government," to obtain the professional Design-Build services of a Contractor (also referred to as Offeror) who shall be singularly responsible to fully satisfy the terms of the resulting contract. See Paragraph 2., Part 3 of this Section I for roles and responsibilities of involved parties.

2.3 Contract Scope. The Contractor shall provide complete, professional, Design-Build engineering and construction services necessary to provide Elevator Improvements for Passenger Elevators #1 through #6, and Freight Elevators #7 and #8. All Design-Build services shall be performed in conformance with the requirements and criteria prescribed herein. Volumes I and II contain specifications which are minimum requirements in addition to Volume III.

2.4 Program Requirements. Detailed technical requirements are presented in Section II of this document. Criteria/directions within these references shall be considered when developing bids and shall govern design development.

2.4.1 Program Goals. Major program goals of the project include but are not limited to:

- To make the elevators accessible to and usable as required by the Americans with Disabilities Act (ADA).
- To upgrade the elevators and bring them into compliance with ASME A17.1 elevator code.
- Removal of any Asbestos Containing Materials (ACM) and lead paint where determined necessary to accomplish the Elevator Improvements.

Project background and objectives are further defined under Section II, Part 1.

2.4.2 Code Compliance. This project shall comply with the latest edition of all applicable national and local codes and standards that govern Federal Construction, and which are in effect at the time the contract is awarded. See Part 4 of Section II, for applicable criteria and requirements.

2.5 Roles and Responsibilities.

2.5.1 Contractor. The Contractor shall provide:

- Design
- Construction
- Design/Construction Supervision/Contract Management
- Materials/equipment/labor
- Inspections and tests
- Review and approval of shop drawings

2.5.2 Government. The Government will provide:

- Review/Comment of design document submittals
- Review of Shop Drawing and Product Data submittals
- Inspections
- Progress payments for design/construction

2.6 Contract Type. See Part 3 of Section I.

2.7 Procurement Approach. For method of evaluation of bids submitted by competing Offerors, and the basis of selection for this procurement, See Part 2 of Section III. Bid requirements are contained in Part 1 of Section III.

2.8 Government Construction Management. The Government will review design and construction development through Government staff for adherence to contract terms.

End of Part 1, Section I

Section I - Project Requirements

Part 2 - Statement of Work

1. DESIGN DEVELOPMENT

1.1 Scope. The design scope of work for the project is specified within the Design Program provided in Section II of this Design-Build Elevator Improvements document. The Design Program includes both prescriptive and performance design and construction requirements for the project. Design development shall also be consistent with the Contractor's bid. The Contractor shall encourage the highest degree of professionalism from architects, engineers, and others involved in the design. The Contractor shall exercise care to ensure that the design for the project is executed with as much attention to detail and functional needs of refrigeration systems as in the design for new facilities.

1.2 Level of Development. Following award, the Contractor shall fully develop the project design through the preparation of drawings, specifications, and calculations/analyses to fully document and support design solutions and as addressed in Paragraph 2 "Design Submissions". In addition to these requirements, any special requirements or design products required within Section II shall be provided.

1.3 Contractor Initiated Design Changes Following award, Contractor initiated design changes (from either his bid or previous design submissions) are subject to Government approval. All Contractor initiated design changes must be separately documented and submitted as such, not presented as (or within) normal design submission material. Government acceptance of normal design submission documents shall not be deemed as approval of a Contractor initiated design change. The Contractor must provide all information and materials necessary to satisfy the Government as to need, benefit, and/or comparability.

1.4 Computer Aided Design (CAD) Drawings. All design drawings developed by the Contractor shall be through computer based media and be prepared in a format which can be used directly (without conversion) by GSA's standard CAD software, AutoCAD, release 12 or later, operating under MS-DOS. DCA or ASG architectural and engineering software is also required. Drawing representations need only be in two dimensions although three dimensional representation is acceptable. Layering shall be as specified by guidelines issued by the American Institute of Architects (AIA). Drawings shall be maintained on $3^1/_2$ inch, double sided high density diskettes with at least two (2) backup copies.

1.5 Specifications. Specifications shall be developed through computer based media. Electronic specifications shall be in a format which can be used directly (without conversion) by MS Word. Specifications shall be maintained on $3^1/_2$ inch, double sided high density diskettes with at least two (2) backup copies.

1.6 Building Codes. All design and construction work shall comply at a minimum with the latest edition of all applicable national and local codes and standards that govern Federal Construction,

and which are in effect at the time the contract is awarded. See Part 4 of Section II, for applicable criteria and requirements.

2. QUALITY CONTROL PLAN

2.1 General. The Contractor shall develop, provide, and maintain a Quality Control Plan (QCP) during the design development phase of the project, based upon the Design-Build contract requirements referenced within this Document. The Quality Control Plan (QCP) shall address special factors impacting the construction of the project. This aspect of the QCP is intended to establish and document the methods, measures, and procedures to be used by the Contractor for performance of the work in an "occupied" building during "off-hours" and weekends. In addition, the QCP is also intended to document inspections/tests to assure the Government that product delivery, quality and performance requirements have been met, and serves as an inspection coordination tool between the Contractor and the Government.

2.2 Content. The QCP shall identify and address the special factors impacting the construction and specify the considerations and provisions to be made by the Contractor during construction of the project. Considerations and provisions proposed to accommodate special factors impacting the construction shall be outlined, and described in sufficient detail to clearly indicate all facets of how they relate to the coordinated construction of the project. The Contractor is not relieved from any requirements specified in this document should they not be included in the plan. The QCP shall also identify the equipment/system to be tested, exact test(s) to be performed, measured parameters, and the stage of construction development when tests are to be performed. The Contractor shall organize inspection/testing of equipment in accordance with a recognized method which delineates all facets of construction. The method shall identify all equipment items, subsystems, and/or components which influence operation, function, quality or demonstrates attainment of performance requirements. Inspections & tests shall be coded and referenced on timeline charts to identify when tests should be performed. The Contractor is not relieved from required performance tests should these not be included in the plan. See sub-paragraph 2.6 below for outline related to content/level of development to be used in preparation of the QCP.

2.2.1 Special factors impacting construction include but are not limited to:

- Government occupancy of the building during construction
- Work hour restrictions
- Construction phasing
- Removal and disposal of existing elevator, electrical and mechanical equipment.
- Installation of new elevator, mechanical and electrical equipment
- Access for removal of existing equipment and installation of new equipment
- Security and access requirements
- Staging and storage area space limitations
- Asbestos removal and disposal
- Lead paint removal and disposal

2.3 Format. QCP documents shall use standard white bond paper or formatted sheets, 216 millimeters x 280 millimeters *(8 1/2 x 11 inch)*, bound in snap action three-ring notebooks, to allow insertion of changes. All text shall be typed. Tabs shall be provided according to category.

2.4 Submissions. The QCP shall be prepared during design development and submitted in accordance with the requirements identified under Paragraph 3 (DESIGN SUBMISSIONS) of this Part.

2.5 Updating. The Contractor shall update the plan at least two (2) weeks prior to performing referenced tests, notifying the Contracting Officer's Representative of schedule and procedural changes.

2.6 Outline. The QCP content/level of development for preparation of the QCP is represented by the outline below.

2.6.1 Component Sub-sections.

- Considerations & Provisions For Special Factors Impacting Construction
- Inspections/Tests for Equipment and Controls

2.6.2 Test Parameters. For each component to be inspected/adjusted/tested, identify each test parameter and represent each operating condition and all control modes of operation. Tests shall document any observed deficiencies or improper operation. Tests shall identify capacity readings, normal operation of equipment and verification of required automatic controls.

2.6.3 Test Report. For each inspection/adjustment/test parameter, identify the test(s) to be conducted, methodology, adjustments contemplated, test result comparison to that of performance parameters, the date and time of test, and who will do the work. Consider the following as an example:

Test:
Test Method:
Adjustments:
Performance Parameters:
Actual Performance:
Test Occurrence:
Test Performed by:

3. DESIGN SUBMISSIONS

3.1 Design Reviews. During the design of the project, the Contractor shall provide three (3) design submissions corresponding to the following levels of design development.

- "Intermediate Design Documents" and "QCP" documents (Fifty Percent (50%) completion),

- "Pre-Final Design Documents" and "QCP" documents (Ninety Five Percent (95%) completion)
- "Final Design Documents" and "QCP" documents (One Hundred Percent (100%) completion).

In addition, the Government reserves the right to make "on-board" reviews for each submission of the project design. Design reviews will be performed by Government staff.

3.2 Purpose. The Government will provide reviews of Contractor design submissions to verify adherence to contract requirements reflected within Section II of this document. Design reviews by the Government are not to be interpreted as resulting in an approval of the Contractor's apparent progress toward meeting contract requirements but are intended to discover any information which can be brought to the Contractor's attention which might prevent costly errors and/or misdirection. The Contractor shall remain completely responsible for designing and constructing the project in full accord with the requirements of this contract.

3.3 Resolution of Comments. The Contractor shall resolve all design review comments in writing, indicating one of the following: (1) Adoption and action taken (2) Adoption with Modifications and action taken, (3) Alternative resolution and action taken, or (4) objection with explanation. In cases other than unqualified adoption, the Contractor shall provide a statement as to why the reviewer's objection and/or recommendation is inappropriate. Design review comments shall not relieve the Contractor from compliance with terms and conditions of this contract. Contractor's comment resolution shall be transmitted to the Government within fourteen (14) calendar days of review comment receipt.

3.4 Level of Development. In addition to other design submission requirements which may be specified in this contract, the following is required.

3.4.1 Intermediate Design Documents. The Intermediate Design submission shall provide demolition drawings, preliminary working drawings, a draft of final construction specifications, a draft Quality Control Plan (QCP), and catalog data for all mechanical, electrical and control equipment selected. The working drawings (including delineation of a proposed phasing plan for the construction work), and the draft final of construction specifications submitted shall approximate Fifty Percent (50%) of design completion. Design documents shall be sufficient to demonstrate attainment of all performance requirements for the major design-build elements of the project. The submission also requires preliminary calculations which determine elevator machine room air conditioning requirements and design electrical loads. The criteria in the following sub-paragraphs further identifies submission requirements for drawings, specifications, and calculations.

3.4.1.1 Drawings. Scaled plans shall be provided for all areas within the building or on the roof where work is involved. The preliminary design drawings submitted shall accurately depict architectural conditions and mechanical and electrical layouts for all areas throughout the building where work will be performed, and shall include all work (demolition and new construction) required to be performed within all areas delineated on the respective floor plans.

3.4.1.2 Calculations. Calculations submitted shall provide the following:

- Elevator Machine Room cooling loads.
- Electrical feeder sizes.
- Electrical panel sizes.
- Electrical disconnect sizes.
- Preliminary structural calculations.
- Preliminary sprinkler calculations.

3.4.1.3 Specifications. For work, equipment, and materials represented on Intermediate Design drawings, the Contractor shall provide draft edited specification sections and sample catalog data of manufacturer's literature as required to identify equipment, materials, and performance characteristics. Specifications shall be constructed around GSA master specifications, included under Volume I and II, but this does not relieve the Contractor from adequately describing the scope of work and all equipment involved with this project. Additions to the master specifications may be required; however, proprietary references to performance data shall not be used.

3.4.1.4 Quality Control Plan. The Contractor shall provide a draft final Quality Control Plan (QCP) consistent with the level of development represented by the Intermediate Design Documents submission.

3.4.2 Pre-Final and Final Design Documents. The "Pre-Final" and "Final" working drawings submitted shall accurately depict/describe all work (demolition and new construction) to be performed within all areas delineated on the respective floor plans. All drawings submitted shall be complete in all respects, and shall fully support the minimum needs of the construction Contractor. Specifications shall be edited to address only that construction work to be provided. Submitted drawings, specifications, Quality Control Plan (QCP), and calculations shall include final versions of those prepared for the Intermediate Design submission and shall be expanded as necessary to provide for all work required. Drawings, specifications, and calculations submitted shall be in final form and shall reflect resolution of all previous review comments.

3.4.2.1 Registration Seals. Each final working drawing shall be signed by, bear the seal of, and show the State Certificate Number of the Architect and/or Engineer who prepared the document and/or is responsible for its preparation.

3.4.2.2 Quality Control Plan. The Quality Control Plan (QCP) shall be complete in all respects addressing all special factors impacting the construction and covered by the Pre-Final Design Documents submission.

3.5 Submission Format.

3.5.1 Drawings. Drawing levels of detail and quality of representation shall adhere to the AIA guideline "Architectural Graphic Standards". All drawings must be uniform in size. The ISO "A" series are preferred metric sizes for design drawings. All original reproducible design drawings for the project shall be at least 841 x 594 mm *(33.1 x 23.4 inches/nominal 36"x 24")*, size "A1"; not to exceed, 1189 x 841 mm *(46.8 x 33.1 inches/nominal 48 x 36")*, size "AO", with each sheet offering North-arrows, Key Plans and graphic scales. Minimum lettering height shall be 0.4 centimeters (5/32 inch). All numerical references to length, temperature, pressure, energy, mass, weight, work, power, etc. shall be presented in metric units. Floor plans and elevations shall be at least 1:100 scale.

3.5.2 Specifications/Calculations. These submissions shall use standard white bond paper or formatted sheets, 216 millimeters x 280 millimeters *(8 1/2 x 11 inch)*, bound in snap action three-ring notebooks, organized in a logical sequence, tabbed to each section heading. Calculations shall be titled with each analysis clearly indicating subject/problem being studied, applied references, assumptions, and analysis of answer. All numerical references to length, temperature, energy, mass, weight, work, power, etc. shall be presented in metric units.

3.6 Quantities. The Contractor shall provide the Government copies of all submission materials required for each Level Of Development as follows:

3.6.1 Intermediate Design Documents. The documents submitted shall consist of twelve (12) sets of half size prints and four (4) sets full size prints of the drawings; twelve (12) sets each of direct-image copies of draft specifications, draft Quality Control Plan (QCP), and calculations. Submit all sets of these documents to the Contracting Officer's Representative for distribution.

3.6.2 Pre-Final Design Documents. The documents submitted shall consist of twelve (12) sets of half size prints and four (4) sets full size prints of the Pre-Final Drawings; twelve (12) sets each of direct-image copies of Pre-Final specifications, Quality Control Plan (QCP), calculations. Shop Drawings and Product Data shall be submitted as specified in "SHOP DRAWINGS/PRODUCT DATA" under Paragraph 4., in Part 2 of this Section I. Submit all sets of these documents to the Contracting Officer's Representative for distribution.

3.6.3 Final Design Documents. The final "deliverable" design documents submitted shall consist of eight (8) sets of half size prints and eight (8) sets of full size prints of the Final Working Drawings; twelve (12) sets each of direct-image copies of final specifications, Quality Control Plan (QCP), and calculations; 1 (one) set of full-size wash-off mylars of Final Working Drawings; 1 (one) set of half-size wash-off mylars of Final Working Drawings; 1 (one) set of complete manuscript Final specifications camera-ready for printing (including one copy of the specifications on $3^1/_2$ inch, double sided high density diskettes), and Final Shop Drawings/Product Data. Shop Drawings and Product Data shall be submitted as specified in "SHOP DRAWINGS/PRODUCT DATA" under Paragraph 4., in Part 2 of this Section I.

In addition, submit two (2) copies of the project design drawings on $3^1/_2$ inch, double sided high density diskettes.

Submit all sets of these documents to the Contracting Officer's Representative for distribution. Final Working Drawings and Specifications shall conform to the following requirements.

3.7 Review Period. The Government shall be allowed five (5) weeks to review these submission materials from the date of receipt.

3.8 Design document additional requirements shall be incorporated as follows:

3.8.1 Drawings shall clearly distinguish between new and existing work.

3.8.2 Work shall be coordinated on all drawings and specifications to assure that all necessary work, materials, and items of equipment are included for an operational facility of finished appearance.

3.8.3 All drawings and specifications shall be prepared in accordance with applicable GSA Handbooks listed herein.

3.8.4 Drawings shall indicate all section views and details showing points of connection and disconnection, all demolition work and all alterations to existing services in order to show the work involved in this project. Demolition shall be shown on separate demolition drawings.

3.8.5 All reproducible drawings prepared under this contract shall be of such drafting quality to be clearly legible when reduced to half-size.

3.8.6 On the Cover Sheet of the Half-Size mylar set, prominently place the following statement: "These drawings have been photographically reduced to 50% of its original scale. Due to the limitations of the reductions and printing processes, caution shall be taken when scaling. All measurements shall be verified."

3.9 Procedures. Design submissions for Government review shall be made directly to the Contracting Officer's Representative. Submissions shall be made in accordance with the schedule provided under Paragraph 5, in Part 3 of this Section I, having an allowance that the Government will take up to five (5) weeks to review each submission level.

3.10 Construction Start. The Contractor shall be responsible to provide sets of half size prints and full size prints of the 100% Final Working Drawings and Shop Drawings/Product Data as needed for construction of the project. Construction shall not begin on any work until all design documents required by this document have been developed and completed by the Contractor to the 100% Final Design Document stage, and reviewed, and accepted for construction by the government, and an approved arrow diagram and QCM plan have been submitted. Where phased construction is applied, each phase must be based upon final working drawings and specifications.

3.11 Construction Phase Design Submissions. Note that construction phase "Record Drawings" are required in accordance with sub-paragraph 4.1 of Part 3, of this Section I, and "As-Built Drawings" shall be provided per sub-paragraph 6.3 of Part 2, of this Section I.

4. SHOP DRAWINGS/PRODUCT DATA

4.1 Submissions. The Contractor shall submit shop drawings and product data (catalog cuts, etc.) at the Contractor's discretion. All submissions shall be made to the Contracting Officer's Representative. Shop Drawing/product data submissions to the Government shall be made after review and approval by the Contractor's designer of record. This is in addition to and separate from specification submission material.

4.2 Reviews. Reviews of shop drawings and product data by the Government are not to be interpreted as an approval of the Contractor's selections or progress toward meeting contract requirements, but are intended to discover problems/errors which may avoid costly redirection during construction. The Contractor shall remain completely responsible for designing and constructing the building in accordance with contract requirements.

4.2.1 Review Period. The Government shall be allowed five (5) weeks to review these submission materials from the date of receipt.

4.2.2 Resolution of Comments. The Contractor shall resolve all shop drawing review comments in writing, indicating one of the following: (1) Adoption and action taken (2) Adoption with Modifications and action taken, (3) Alternative resolution and action taken, or (4) Objection with explanation. In cases other than unqualified adoption, the Contractor shall provide a statement as to why the reviewer's objection and/or recommendation is inappropriate. Design review comments shall not relieve the Contractor from compliance with terms and conditions of this contract. Contractor's comments resolution shall be transmitted to the Government within fourteen (14) calendar days of review comment receipt.

4.2.3 Changes. Should shop drawing and/or product data changes take place after Government review and acceptance, the Contractor shall resubmit the altered material within fifteen (15) days of the change.

4.3 Products for Submission. The Contractor shall provide shop drawings and product data for all systems, equipment and materials referenced within the Pre-Final and Final Design Document submission. Product data shall be submitted in 3-ring binders.

4.4 Manuals. The Contractor shall combine all product data submission material into hard copy manuals for reference during construction. Shop drawings shall be bound with product data or separately bound in drawing racks. The manuals shall be divided into sections corresponding to design specification section headings. The Contractor shall maintain duplicate copies for the Government.

4.5 References: See also Specification, Section - 01300 Submittals.

5. INSPECTIONS AND TESTS

5.1 General. The Contractor shall perform inspections and tests throughout the design and construction process, including: design support (existing conditions/needs assessments),

construction installation (placement/qualification measurements), and final inspections/tests for all work to be provided by this contract. Periodic "Quantity" inspections shall be conducted to support progress payments. The Contractor shall perform construction inspections/tests as necessary to assure construction quality and adherence to construct requirements.

5.2 Government Witness. All inspections and tests called for in this document and/or required to verify documented contract assumptions, to establish work accomplishment, or to certify performance attainment shall be witnessed by the Government.

5.3 Construction Inspection and Tests. Organize separate sections within the Quality Control Plan (QCP) to address inspections and tests for defined construction phases and/or subcontract work activity required by this document.

5.4 Final Inspection and Tests. The Quality Control Plan (QCP) required by this document shall provide a separate section dedicated to address Final Inspections and Tests. Unless otherwise identified, manufacturer recommendations shall be followed for all inspection and test procedures.

5.5 Documentation. All inspections/tests required in the Quality Control Plan (QCP) which establish attainment of a contract performance requirement shall result in a written record of all data/observations. The Contractor shall provide two (2) copies of documents containing all test reports/findings. Each shall be organized and tabbed to match QCP subjects/format. Test results shall typically include: item/system tested, location, date of test, test parameters/ measured data, state of construction completion, operating mode, Contractor Inspector/Government witness, test equipment description and measurement technique. When complete, the inspections/tests documents shall be turned over to the COR to complete the project's documentation addressed in "Manuals" sub-paragraph 6.4 of this Part.

6. PROJECT CLOSEOUT

6.1 General. This section specifies requirements for construction closeout, including: Final Inspection, As-Builts/Record Documents, Operation and Maintenance Manuals, Design Manuals, etc. (See Specification, Section 01700 - Project Closeout, for additional requirements.)

6.2 Preparation for Final Inspection and Tests. The following actions must be made to assure the project is in a condition to receive inspections and tests.

6.2.1 Record Drawings. Finalize Record Drawings/documentation, indicating all "As-Built" conditions. See sub-paragraphs 6.3 and 6.4 below.

6.3 As-Built Drawings. The Contractor shall provide "As-Built Drawings" and documents based upon actual site installation, as should be reflected within latest Record Drawings/documents. Should Record Drawings not represent As-Built conditions, the Contractor shall perform field measurements and shop drawing takeoffs as required to support accurate As-Built drawings. Should the Government determine that variations exist between finished construction and the As-Built Drawings, the Contractor shall correct drawings to the satisfaction of the Government.

6.3.1 Quality. Drawings shall be reproduced on 4 mil mylar sheets, showing direct image updated plans, sections/elevations, details, notation and dimensions of the final design. Line quality shall be equivalent to permanent black ink.

6.4 Manuals. The Contractor shall provide manuals/documentation reflecting "As-Built" constructed building features/systems including specifications, design calculations, shop drawings and operation/maintenance requirements. Manuals shall be bound in three ring binders and fitted with tab sheets to identify major text divisions. All content shall be legible, first generation photocopies or prints of published material. Each manual shall be appropriately titled and provided with an introduction and table of contents. Should the Government establish that a submitted manual does not represent installed conditions, the manuals shall be returned and corrected by the Contractor to the satisfaction of the Government.

6.4.1 Specification Manual. The Contractor shall provide two (2) complete sets of all final design specifications/documents, retyped or presented in original condition. Specifications shall be precisely edited to match installed features/systems/equipment and materials.

6.4.2 Shop Drawing Manual. The Contractor shall provide two (2) copies of a shop drawing and product data manual, containing all approved shop drawing submissions. See sub-paragraph 4.4 above.

6.4.3 Design Calculation Manual. The Contractor shall provide two (2) final sets of all design calculations associated with this project, representing both initial design calculations and those analyses associated with contract changes.

6.4.4 Operation and Maintenance Manual. The Contractor shall prepare five (5) detailed Operation and Maintenance Manuals, identifying all procedures, tools, equipment and parts to assure satisfactory operations and to provide maintenance per manufacturer's recommendations.

6.4.4.1 Operation. All modes of operation shall be described, including sequence of operations, efficiency or energy conservation adjustments, control calibration procedures etc.

6.4.4.2 Maintenance. Maintenance shall address cycles of replacement and use of any special tools, etc. Include references to record documents, spare parts and material lists, warranties, maintenance agreements and similar continuing commitments.

End of Part 2, Section I

Section I - Project Requirements

Part 3 - Contract Administration

1. DESIGN-BUILD CONTRACT

1.1 Contract Type. The Government contemplates award of a "lump-sum bid", Design-Build Contract to the successful Offeror. The "lump-sum bid" price shall include all design Architect/Engineer and consultant services; all management services; all construction services, materials, labor, and supervision; inspection/testing; all other professional and/or other services to be subcontracted; and all other costs incurred as needed to fulfill the requirements prescribed in this Design-Build Elevator Improvements document.

1.2 Contract Scope. The Design-Build Contract scope covers complete professional engineering, design, construction, inspections, supervision, warranties and guarantees. The offer and acceptance form incorporates all parts of this Design-Build Elevator Improvements document and its referenced Attachments, Exhibits, Appendices, and Specifications.

2. ROLES AND RESPONSIBILITIES

2.1 Contractor. The Contractor shall be solely responsible for the management (planning, supervision and contract coordination), design (professional services) and construction (including all labor, equipment, materials and inspections) necessary to provide the design and construction services specified herein, complete and within established schedules, fulfilling all requirements of this document for a Design-Build contract.

2.1.1 Management. The Contractor shall provide individuals in the capacities of Contractor Principal, Project Coordinator, Construction Supervisor, and Inspection/Testing Agent(s).

- Contractor principal(s) shall have legal authority to represent the Contractor.
- Project coordinator shall be the single point of contact for coordinating with the Government.
- Construction supervisor shall coordinate construction work and associated contracts.
- Inspection and testing agents must certify delivery and functional/ operating performance of contract work.

2.1.2 Professional Services. The Contractor shall provide all required design/engineering and consultant services.

- Engineering/architectural and elevator consultant's principals and specialty contractor/ consultant principals shall have legal authority to represent associated firm(s).
- Chief design engineers shall have sign-off authority for involved disciplines.
- Senior engineers/architects are those who have significant influence over design development.

2.1.3 Coordination Meetings. Immediately after award, "mobilization" meetings shall be conducted to review

- Senior engineers/architects are those who have significant influence over design development.

2.1.3 Coordination Meetings. Immediately after award, "mobilization" meetings shall be conducted to review contract requirements, address scheduling, introduce staff, and resolve questions. (Also See Specification, Section 01040 - Project Coordination, for additional requirements.)

2.2 Contracting Officer (CO). The Government's Contracting Officer (CO) who has the authority to enter into, administer, and/or terminate contracts and who may make related determinations and findings. The CO will designate to the Contractor in writing the roles and responsibilities of other Government officials as they relate to the execution of this contract.

2.3 Contracting Officer's Representative (COR). The Contracting Officer's Representative may act for the CO within delegated authority limits. Unless otherwise noted, on behalf of the CO, the COR is responsible for the general administration and technical coordination of the project. The COR is the Government's point of contact for post award information exchange, design submission reviews, construction inspection/tests, and all administrative duties associated therewith.

2.4 Construction Engineer (CE). A representative from the General Services Administration's Public Buildings Service who will monitor contract/project progress, manage activities for the government, and report to GSA management during the course of the project. The Construction Engineer and the COR may be the same individual for this contract.

3. CONTRACTOR'S STAFF

3.1 Personnel Qualifications. The Contractor shall exclusively utilize the Key Personnel named and/or otherwise identified in the Contractor's bid submission materials to perform services required under this contract. Key Personnel are identified in sub-paragraph 2.3.2 of Part 1, Section III, and defined within sub-paragraph 2.1, Part 3 of this Section I. In the event that any personnel named in the Contractor's Technical Qualifications Statement are unable to perform their duties due to death, illness, resignation from the Contractor's employ, the CO's request for removal, or similar reasons, the Contractor shall promptly submit to the CO, in writing, the name and qualifications of a proposed replacement with equal or superior qualifications. No substitution shall be made without prior approval of the CO. Any approved substitutions shall be made at no increase in the lump sum contract price.

3.2 Qualifications Acceptance.

3.2.1 Acceptance. The CO shall accept or reject personnel proposed by the Contractor. The Contractor shall make a timely and prompt resubmittal to provide other personnel required to replace any that are rejected by the CO, both at initial submittal or any subsequent rejection or substitution of personnel.

3.2.2 Removal. The CO shall have the right to effect removal of any Contractor employee at any time during the duration of the contract if that employee is deemed to not be of the level of qualifications, competence or ability required under the contract, or if said employee is for any other reason found to be unsuitable for the work. In such case, the Contractor shall promptly submit the name and qualifications of a replacement.

3.2.3 Further Documentation. The Contractor shall provide further evidence or documentation of ability/suitability for their intended position if requested by the CO. At the CO's discretion this may include submission of a detailed resume, work examples or evidence, oral interview, testing, or other appropriate means.

3.3 Failure to Provide Qualified Personnel. Repeated failure or excessive delay by the Contractor to provide qualified personnel that meet the projects requirements and are acceptable to the Government to perform services contracted for may be deemed sufficient reason by the CO to terminate work as provided in the Termination for Default clause of this contract.

4. RECORD DOCUMENTS

4.1 Record Drawings. The Contractor shall maintain record drawings of all changes/deviations from the original design. The record drawings shall be secured/protected in a fire-resistant metal container or fire-rated cabinet whenever they are not being updated or used. A hard copy reproducible print of all changed drawings shall be made at least every two months using the CAD system which produced the original design drawings. The Contractor shall choose one of the following mediums in which to maintain record drawings at the site.

4.1.1 Manual System. The Contractor shall maintain one copy of Record Drawings, representing a clean marked-up version of black or blue line design drawings, reflecting change orders and actual installations/conditions. Notations on record drawings shall be made in erasable red pencil or other color to correspond to different changes or categories of work. Marked-up drawings shall always be maintained at the Contractor construction office, available for the Government and/or CE to review. Record drawings shall note related change order designations (numbers) on impacted work. When shop drawings indicate significant variations over design drawings, shop drawings may be incorporated as part of Record Drawings.

4.1.2 Computer Based CAD. In addition to the above manual record drawing requirements, the Contractor shall provide all record notations on a CAD system, compatible with that which produced the original design drawings. The Contractor shall maintain two (2) back-up disc copies of all changes.

4.2 Record Specifications. The Contractor shall maintain one copy of the project's design specifications updated to include all Government approved deviations. Specification updates shall reference related record drawings and product data, where applicable.

4.3 Shop Drawings/Product Data. The Contractor shall maintain one copy of all reviewed and approved shop drawings, product/catalog data including required product certification, and laboratory test reports. Shop drawing and product data updates shall reference related change orders and associated record drawings and specifications. Upon construction completion, both copies of Shop Drawings/Product Data shall be turned over to the Government.

4.4 Warranties and Guarantees. The Contractor shall submit specific warranties and guarantees, final certifications and similar documents at the time of acceptance/substantial completion.

5. SCHEDULING

The Contractor shall perform all services described herein and all services incident thereto as required under this Contract, and in accordance with the Project Objectives, Scope of Work and other considerations prescribed within this document.

5.1 Contractor Design/Engineering Services

5.1.1 Provide a site investigation and survey of the building and site which will enable preparation of accurate, updated construction contract drawings and specifications.

5.1.2 Prepare and submit "Intermediate Design Documents" representing a level of design development approximating Fifty Percent (50%) of design completion.

5.1.3 Prepare and submit "Pre-Final Design Documents" as a "check-set" representing a level of design development approximating Ninety Five Percent (95%) of design completion.

5.1.4 Complete and submit "Final Design Documents" providing One Hundred Percent (100%) of design completion with all required government approvals.

5.1.5 Refer to Section I, Part 2, Paragraph 1. Design Development, and Paragraph 2. Design Submissions for requirements pertaining to design documents and submissions.

5.2 Schedule Of Design Submissions

5.2.1 The design phase of the project shall be performed complete (including Government review time), within the timeframe of 32 weeks (224 calendar days) after Notice To Proceed. The Contractor shall complete the services required under sub-paragraph 5.1 above, and as otherwise prescribed in this document. The Contractor shall deliver all design documents required for review and approval by the government to the Contracting Officer's Representative in accordance with the following schedule:

DESIGN PHASE	TIMEFRAME
Submission of Intermediate (50%) Design Documents.	10 Weeks after notice to proceed with the design phase of the project.
Government Review & Resolution of review comments.	5 Weeks
Submission of Pre-Final (95%) "Check-Set" Design Documents w/Shop Drawing Submittals.	8 Weeks after review of Intermediate (50%) Design Submission.
Government Review & Resolution of review comments.	5 Weeks
Submission of Final (100%) Design Documents & Shop Drawing Submittals, complete with resolution of Government review comments.	2 Weeks after review and approval of Pre-Final (95%) Design Submission.
Final government review; Resolution of review comments; and Delivery to the Government of all final Design Documents.	2 Weeks
	Total Design Time 32 weeks

5.3 Schedule Of Construction

5.3.1 General. Reference Specification, Section 00800 - Supplementary Conditions.

End of Part 3, Section I

Section II - Project Scope And Technical Requirements

Part 1 - Background And Objectives

1. GENERAL BUILDING DESCRIPTION

1.1 The New Executive Office Building is located at 725 Seventeenth Street, N.W. in Washington, D.C. The building has a total occupiable area of approximately 31,230 square meters.

The building is served by six (6) passenger elevators, one (1) passenger/freight elevator and one (1) freight elevator.

1.2 Project Basis and Goal. The New Executive Office Building has been designated for a Design-Build, Elevator Improvements project. This project is intended to be accomplished by upgrading existing elevator systems serving the building with new, modern, state-of-the-art equipment.

Prior to the preparation of this Design-Build Elevator Improvements document, a site investigation was performed to identify, evaluate, and document data on the building's existing vertical transportation systems and related site conditions. The goal of that site investigation was to identify needed improvements to upgrade the elevators and escalators.

In addition, the site investigation further included an asbestos assessment survey for inspection and testing of Asbestos Containing Material (ACM) and conditions in the building that may be encountered during the design and construction of the project. The results of the asbestos assessment survey were addressed in a separate Asbestos and Lead Based Paint Survey. See Appendix - C. Data obtained from that Site Investigation, and Asbestos and Lead Based Paint Survey was intended to be utilized by GSA as the basis for development of a Design-Build project. Site investigation data and other pertinent information have been excerpted from the Asbestos and Lead Based Paint Survey Report, and have been incorporated within this Design-Build Elevator Improvements document.

The purpose of this Design-Build Elevator Improvements document and specifications is to obtain complete professional Design-Build engineering and construction services to provide Elevator Improvements for Passenger Elevators #1 through #6, Passenger/Freight Elevators #7 and Freight Elevator #8, and to thereby achieve the goal of accomplishing the project's objectives in compliance with all requirements prescribed herein.

End of Part 1, Section II

Section II - Project Scope And Technical Requirements

Part 2 - Existing Conditions

1. TECHNICAL DESCRIPTION AND ANALYSIS OF EXISTING CONDITIONS

1.1 Existing Elevator Systems and Related Conditions: The following information and data pertaining to the existing Elevator systems was obtained during a site investigation performed prior to the preparation of this Design-Build Elevator Improvements document. This information is intended to provide an overview of the existing Elevator systems and related existing conditions in designated areas within the building. See Exhibit A for Floor Plans, equipment layouts, and existing single line diagrams.

1.1.2 Vertical Transportation System

The building is presently served by 6 passenger elevators and 2 freight elevators. There are no escalators in the building.

The present elevators were installed when the building was built in 1964. The equipment of all elevators is original equipment.

The controls of Elevator Nos. 1,2,3,4,5,6, and 7 were modified in 1980 to add Firefighter's Service. Smoke detectors in all lobbies and machine room were included in the project.

Elevator Nos. 1,2,3,4,5,6 and 7 operates as a single group and are located in the center of the building. Passenger/Freight Elevator No. 7 is located behind Elevator Nos. 1 and 2 and accesses a separate lobby. Freight Elevator No. 8 is located in the north end of the building and provides access from the kitchen to the loading dock.

All passenger elevators have a rated capacity of 1818 Kg (4,000 pounds) and a rated speed of 2.54 meters per second (300 feet per minute). Each elevator has a 1524 mm (4' -0") wide by 2134 (7'-0") high center opening, side slide type entrance. All elevators have variable voltage control and six car "Autoronic" operation.

Passenger/Freight Elevator No. 7 has a rated capacity of 2727 Kg (6,000 pounds) and a rated speed of 1.52 meters per second (300 feet per minute). The elevator has a 1524 mm (5'-0") wide by 2134 mm (7'-0") high, two-speed, center opening, side slide type entrances. It has variable voltage control and selective collective operation.

Freight Elevator No. 8 has a rated capability of 1575 Kg (3,500 pounds) designed for Class A freight loading, and a rated speed of 0.33 to 0.43 meters per second (65/86 feet per minute). The entrances are 1524 mm (5'-0") wide X 2134 mm (7'-0") high with power operative bi-parting vertical lift hoistway doors and power operated vertical lift car gate. It has direct connect hydraulic control and single automatic push button operations.

The passenger elevators and service elevator do not meet current Code requirements for Firefighter's service nor do they meet current handicapped accessibility standards. All passenger and service elevators will accommodate wheelchair access; however, the

configuration and size of the passenger elevators will not allow sufficient clearance to accommodate a standard size ambulance stretcher.

In addition, recent Code changes have been made to require the use of an "unlocking zone". This requires all new and modified elevators to be arranged such that, if the elevator is outside of the unlocking zone, the car doors and/or hoistway doors cannot be opened more than four inches from inside the car. This is done to prevent people from trying to escape from the car, without assistance, and falling down the hoistway.

The detailed description of each elevator is as follows:

Elevators Nos.: 1- 6

1. Original Manufacturer - Otis
2. Original Installer - Otis
3. Approximately Year Installed - 1965
4. First Modernization by - N/A
5. Year of First Modernization - 1980
6. Description of first Modernization - Upgraded Firefighter's Service
7. Second Modernization by - N/A
8. Year of Second Modernization - N/A
9. Description of Second Modernization - N/A
10. Number of Elevators - 6
11. Elevator Application - Passenger
12. Capacity - 1818 Kg (4000 lb)
13. Speed - 2.54 meters/second (500 F.P.M).
14. Type - Overhead Geared Traction Machine # 72 W.T, Roped 2:1
15. Hoist Motor - 44 HP, 173 Amps, N.L. 190 V FL 210 V
16. M.G. Motor - 42 HP, 1200 rpm
17. M.G. Generator -Style 2B, 25 KW, 1200 rpm
18. Car Governor assembly - Fly Ball type, tripping speed (625 F.P.M.) (115%)
19. Platform Size - 2348 mm wide x 1880 mm deep (8'-0" wide x 6'-2" deep)
20. Clear Inside of Cab - 22292 mm wide x 1600 mm deep (7'- 6 1/4" wide x 5'-3" deep)
21. Hoistway Door Opening - 1219 mm wide x 2134 mm high (4'-0" wide x 7'-0" high)
22. Hoistway Door Type - Single Speed - Center Opening
23. Car Door Type - Single Speed - Center Opening
24. Landing Served - 12
25. Opening Served - 12
26. Floor Designation - Second Basement Level, First Basement Level, Ground Floor, Second Floor through Tenth Floor
27. Total Travel - 45,872 mm (150'-6")
28. Main Floor - Ground Floor
29. Passenger Entry Floors - Ground Floor

Elevator No: 7

1. Original Manufacturer - Otis Elevator Company
2. Original Installer - Otis Elevator Company
3. Approximately Year Installed - 1965
4. First Modernization by - N/A
5. Year of First Modernization - N/A
6. Description of First Modernization - N/A
7. Second Modernization by - N/A
8. Year of Second Modernization - N/A
9. Description of Second Modernization - N/A
10. Number of Elevators - 1
11. Elevator Application - Passenger - Freight, Class C-1 Loading
12. Capacity - 2727 Kg (6000 lb)
13. Speed - 1.52 meters/second (300 F.P.M).
14. Type - Overhead Geared Traction Machine $43 W.T. Roped 1:1
15. Hoist Motor - Style 112 G, 59 HP
16. M.G. Motor - 50 HP
17. M.G. Generator - Style 2B, 30 KW
18. Car Governor Assembly - Fly Ball type, tripping sped (395 F.P.M.)
29. Platform Size - 2134 mm wide x 2438 mm deep (7'-0" wide x 8'-0" deep)
20. Clear Inside of Cab - 2045 mm wide x 2019 mm deep (6'-8 ½" wide x 6'-7 ½" deep)
21. Hoistway Door Opening - 1524 mm wide x 2134 mm high (5'-0" wide x 7'-0" high)
22. Hoistway Door Type - Two Speed - Center Opening
23. Car Door Type - Two Speed - Center Opening
24. Landing Served - 13
25. Opening Served - 12
26. Floor Designation - 12 @ Front - Second Basement Level, First Basement, Level, Ground Floor through Tenth Floor. 1 @ Rear - Service Level
27. Total Travel - 45,872 mm (150'-6")
28. Main Floor - N/A
29. Passenger Entry Floors - N/A

Elevator No: 8

1. Original Manufacturer - Otis Elevator Company
2. Original Installer - Otis Elevator Company
3. Approximately Year Installed - 1965
4. First Modernization by - N/A
5. Year of First Modernization -N/A
6. Description of First Modernization - N/A
7. Second Modernization - N/A
8. Year of Second Modernization - N/A
9. Description of Second Modernization - N/A
10. Number of Elevators - 1
11. Elevator Application - Freight, Class A Loading
12. Capacity - 1575 Kg (3500 lb)

13. Speed - 0.33 to 0.43 meters/second (65-85 F.P.M)
14. Type - Hydraulic Pump Machine
15. Hoist Motor - GE Style 5K4256A, 15 HP, 39.2 Amps
16. Platform Size - 1626 mm wide x 2197 mm deep (5'-4 wide x 7-2 ½" deep)
17. Clear Inside of Cab - 1524 mm wide x 1981 mm deep (5'-0" wide x 6'-6" deep)
18. Hoistway Door Opening - 1524 mm wide x 2286 mm high (5'-0" wide x 7'-6" high)
19. Hoistway Door Type - Freight type vertical posting, power operated
20. Car Door Type - 1829 mm high (6'-0") high Vertical gate, power operated
21. Landing Served - 2
22. Opening Served - 2
23. Floor Designation - Service and Second Floor (Cafeteria)
24. Total Travel - 5639 (18'-6")
25. Main Floor - N/A
26. Service Entry Floors - N/A

1.1.3 Mechanical Systems

The elevator machine rooms were ordinally designed to have a forced ventilation system, with no apparent means of relief air or exhaust air.

1.1.3.1 Elevators No. 1 through No. 7

The elevator machine room servicing elevators one through seven is ventilated by two (2) air handlers located in the adjacent mechanical penthouse space, and four (4) propeller type exhaust fans in the walls. The exhaust fans were installed in 1995 in order to provide adequate air flow in the room.

Abandoned ductwork exists in the elevator machine room from previous attempts to provide adequate air-conditioning. The a/c units were removed, but the ductwork remains.

Each air handler is rated for approximately 4,400 liters/second and is filtered, 100% outside air with no heating or cooling capability.

1.1.3.2 Elevator No. 8

Elevator machine room No. 8 is ventilated from a general garage make-up air fan with a design air quantity of approximately 100 liters per second. Exhaust relief was designed to be under the door, but cannot achieve design due to the fire rating of the elevator machine room and door.

1.1.4 Electrical Systems

1.1.4.1 Elevators Nos. 1 through 7

277/480 volt, 3 phase, 4 wire service to elevator switchboards EL-N, EL-F and EL-S located in

elevator machine rooms and Penthouse level is provided from two (2) main low voltage switchboards located in on the First Basement Level.

1.1.4.2 The description of each power distribution system is as follows:

Elevators Nos. 1, 2 and 3

Elevators Nos. 1, 2 and 3 are served from Elevator Switchboard EL-N via individual circuit breakers. The switchboard is a floor mounted, 800 ampere, 277-480 volt, 3 phase, 4 wire, ITE equipment with three (3) cubicles. Each cubicle contains a circuit breaker, watthour meter, voltmeter, ammeter and ammeter switch.

Elevators No. 7 and Miscellaneous Power

Elevator No. 7 is served from Elevator Switchboard EL-F via a circuit breaker. The switchboard is a floor mounted, 800 ampere, 277/480 volt, 3 phase, 4 wire, ITE equipment with two (2) cubicles. Cubicle No. 1 contains a circuit breaker, watthour meter, voltmeter, ammeter and ammeter switch. Cubicle No. 2 contains a transfer switch, 480/120/208 volt step-down transformer and a 225 amp, 120/208 volt, 3 phase, 4 wire panelboard with circuit breakers for car lights, firemen's system, ventilation fans, etc.

Elevators No. 4, 5 and 6

Elevators Nos. 4,5, and 6 are served from elevator switchboard EL-S via individual circuit breakers. The switchboard is a floor mounted, 800 ampere, 277/480 volt, 3 phase, 4 wire, ITE equipment with three (3) cubicles. Each cubicle contains a circuit breaker, watthour meter, voltmeter, ammeter and ammeter switch.

Elevator No. 8

480 volt, 3 phase, 3 wire service is provided from Power Panel PFN to the elevator power unit via a 60 amphere, 3 pole disconnect switch located within the Elevator Machine Room.

1.1.4.3 Lighting System

The lighting system in each elevator machine room consists of surface or pendant mounted fluorescent fixtures and provides adequate lighting levels.

1.1.5 Fire Protection Systems

As part of a recent upgrade, fire protection systems for Elevators #1 through #7 were upgraded to meet latest Fire Safety Standards, including Firemen's Service, Automatic Recall, etc. The existing systems consist of the following:

a. Sprinkler System

Main and secondary levels of Elevator Machine Rooms serving Elevators #1 through #7 and Elevator Machine Room #8 are equipped with sprinklers.

Top of hoistways of Elevator #7, #8 and pits of Elevator #8 are not covered by sprinklers.

Sprinkler system must be expanded to cover top of hoistways and pit of these elevators.

b. Fire Alarm System

Upper Level of Elevator Machine Room for Elevators No. 1 through 7 is equipped with twenty five (25) conventional rate compensating heat detectors and their individual monitoring modules tied into the building EST multiplex fire alarm system. The activation of these units initiate the selective evacuation sequence of the fire alarm system and cause the power to the elevator to shunt. The upper level of Elevator Machine Room for Elevators No. 1 through 7 is also equipped with twenty five (25) photoelectric type smoke detectors. Activation of these detectors shall initiate elevator recall of these elevators.

The Secondary Level of Elevator Machine Room for Elevators No. 1 through No. 7, the associated hoistways and pits are not equipped with heat or smoke detectors.

Elevator No. 8 is not equipped with heat and smoke detectors, has no elevator recall or shunt trip position for elevator shut down.

1.1.6 Hazardous Material Abatement:

1.1.6.1 Previous sample results indicate that no suspect asbestos materials were observed in the work areas.

1.6.2 Laboratory analysis of paint samples revealed lead concentrations above 0.5% on the following:

- Dark green elevator hoist machines
- Black metal controller units
- Light green motor generator sets

1.2 Asbestos Evaluation

1.2.1 The site investigation conducted in advance of this Design-Build Elevator Improvements document provided for an asbestos and lead paint assessment survey of the building conducted by a qualified firm. The assessment survey involved a review of existing documentation, a walk-through inspection to determine the presence of Asbestos Containing Material (ACM), and the sampling of any Asbestos Containing Material (ACM) not identified in existing documentation. Data and findings from a previous asbestos survey and report were also used in the evaluation. Previous asbestos survey and report data was assumed to be valid.

1.2.2 The results of the previous asbestos assessment survey are provided in an Asbestos Inspection & Testing Report. (See Appendix - B.)

Note: Additional asbestos assessment may be determined to be necessary during the course of the project, in the event that other areas of the building required to be disturbed by the Elevator Improvements (and not referenced in this document) are suspected of having Asbestos Containing Materials. (See Safety and Environmental Requirements - Section II, Part 3, sub-paragraph 2.1.1.)

End of Part 2, Section II

Section II - Project Scope And Technical Requirements

Part 3 - New Work

1. TECHNICAL DESCRIPTION AND SCOPE OF NEW WORK

1.1 Overview of Design-Build Elevator Improvements Program

1.1.1 This Design-Build Elevator Improvements document prescribes items to be implemented to achieve the Program Goals and requirements of this project. (See Section II, Part 3, sub-paragraph 1.7 for work descriptions and requirements). The specific work required is quantified both in text and on the Schedules.

1.2 Explanation of Electrical Single Line Diagrams.

1.2.1 Electrical single line diagrams indicate existing and potential power distribution for elevators. Sizing of feeder equipment shall be done by the Design-Build Engineers based on their design.

1.3 General Requirements

1.3.2 Metric design documents: 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.

1.3.2.1 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.

1.3.2.2 Indicate in all contract documents that shop drawings, product literature, written correspondence and construction measurements be provided in metric measurements.

1.3.3 Design submission and review requirements:

1.3.3.1 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:

1.3.3.2 Compile a list of applicable codes and Government Requirement documents.

1.3.3.3 List the applicable design document review authorities including the method of contacting them.

1.3.3.4 Prepare a comprehensive code analysis which references each of the subsections of the codes and government criteria for the project.

1.3.3.5 The electrical code analysis should be limited to the applicability to chapters 5, and 6 of the National Electrical Code. Identify those particular articles of these chapters that apply to this project.

1.3.4 Code Conformance Certification by the A/E

a. Provide a synopsis of the pertinent code data which applies to the work required by this Design Build Elevator Improvements project on the cover sheet of the construction drawings.

b. Provide following statement on the cover sheet for the project:

c. "The design of this project conforms to the following applicable codes and Government Requirements:

1. **(THE A/E IS TO LIST ALL APPLICABLE CODES AND GOVERNMENT REQUIREMENT DOCUMENTS HERE)**

2.

3.

1.3.4.1 The Architect's and Engineer's signed professional seal provided below this statement will certify compliance with the required design criteria and codes.

1.3.4.2 Submit engineering calculations for all disciplines at each submission. Engineering calculations of all disciplines shall be prepared and/or approved by the registered engineer of appropriate discipline. The cover sheet of calculations shall be stamped by the engineer.

1.3.4.3 The responsible Architect's and Engineer's signed stamp shall appear on the cover sheet of the final review set of drawings and the cover sheet of the specifications.

1.3.5 Cutting, Patching and Painting: Provide all cutting, core drilling, and chasing to provide a complete system. Do not cut structural beams or major structural elements without the written review and approval of a Licensed Structural Engineer and the General Services Administration. Provide patching of all ceilings, walls, and floors cut for the installation of piping and equipment, and to restore the surfaces exposed by the removal of same. Patch areas with construction matching adjacent wall surfaces. Patched areas shall be neatly trimmed prior to patching. Feather all patches to provide a complete and finished surface. Paint all exposed work provided under the contract including all patched areas, exposed areas uncovered during demolition, to provide a complete and finished project. Paint patched areas plus surrounding areas to the nearest expansion joint, break in wall surface, or other building line to provide a neat and finished appearance. All paint shall match adjacent painted surfaces. Protect all surrounding areas including fixtures, furniture, floors and accessories from paint splatter and droppings. Clean-up and restore all areas splashed with paint. Firestop all penetrations through fire-rated walls, floor/ceiling, and roof/ceiling assemblies to maintain the required fire-resistance ratings. Reference Specification, section 01040 - project coordination, para. 3..2, "CUTTING AND PATCHING", for additional information.

1.3.6 Working Hours: Reference Specification, Section 01040 - project coordination, para 1..5 "LIMITATIONS FOR USE OF SITE", sub paragraph "J. Working Hours:" for additional information.

1.3.7 Cleaning: The premises will be occupied during performance of work under the contract. Reference Specification, section 01040 - project coordination, para. 3..3, "CLEANING AND PROTECTION", and Section II - Project Scope And Technical Requirements, Part 3 - New Work, para. 3. IMPLEMENTATION PROGRAM; sub-paragraph 3.1.3, for additional information.

1.4 Structural Requirements

1.4.1 Preliminary Inspection: Contractor shall examine all areas of the building, structure and site affected by the removal and demolition work, alterations and new construction work prior to initiation of design work.

1.4.2. Major structural components of the system such as hoistways, pits, drive machine entrance frames, cab enclosures and platforms, guide rails, counterweight frames and weights, compensate sheaves, etc. are in good condition and shall be retained.. No structural analysis of these elements has been performed.

Although the weight of proposed new SCR drive equipment and micro-processor controllers are equal to or less than existing equipment, a structural analysis by the contractor must be performed and required modification of the floor structure made to ensure proper and safe installation of the proposed equipment.

A structural analysis by the contractor must be performed and required modifications made of roof structures affected by installation of new air conditioning equipment.

1.5 Special Architectural Requirements

1.5.1 Evaluate the new structure's impact on the historic, cultural and archeological environment, as well as compliance with NEPA.

1.6 Fire Protection Requirements

The contractor shall provide the following:

1.6.2 Provide any necessary modifications to existing sprinklers in the area of work, in accordance with NFPA 13.

1.6.3 Provide modifications to the existing building fire alarm system in accordance with NFPA 72.

1.6.4 See paragraph 2.4 for additional fire protection requirements.

1.7 Description of Work - Elevators.

1.7.1 Elevators #1 through #7:

1.7.1.1 Remove existing elevator equipment and appurtenances in the elevator machine rooms, hoistways and pits with the exception of items to be retained.

1.7.1.2 Remove existing traveling cables, electric wiring, conduit, junction boxes, etc. from the load side of the electrical power supply to all parts of the elevator plant, except as specified herein. Existing wire raceways maybe reused, if they are found to be code conforming.

1.7.1.3 Retain existing hoistways, pits, gearless hoist machines, secondary and deflector, sheaves, hoistway, entrance frames and sills, door entrance frames, car sling/frame and platform, counterweights/frames and guide rails.

1.7.1.4 All retained equipment shall have work performed as specified.

1.7.2 Passenger Elevators #1 through #6

1.7.2.1 Provide new solid-state controllers with supporting equipment.

1.7.2.2 Provide new SCR drive units.

1.7.2.3 Overhaul gearless hoist machines or provide new at no cost to the Government.

1.7.2.4 Overhaul secondary and deflector sheaves.

1.7.2.5 Provide new governors.

1.7.2.6 Provide new car and counterweight oil buffers.

1.7.2.7 Provide new governor and hoist ropes.

1.7.2.8. Provide new car and counterweight roller guides.

1.7.2.9 Provide new door operators, headers, tracks, hangers and related hardware.

1.7.2.10 Provide new hoistway doors, door protection devices, interlocks, headers, track, hangers and related equipment.

1.7.2.11 Refurbish car enclosures including new ventilation system, floors, wall panels and ceiling.

1.7.2.12 Provide new main and auxiliary car operating panels.

1.7.2.13 Provide firefighters phone in each car and panel in main lobby.

1.7.2.14 Provide new signal system car and hall signal fixtures.

1.7.2.15 Provide new traveling cables and hoistway and car wiring.

1.7.2.16 Provide new diagnostic monitoring system.

1.7.3 Passenger/Freight Elevator #7

1.7.3.1 Provide new solid-state controllers with supporting equipment.

1.7.3.2 Provide new SCR drive units.

1.7.3.3 Provide new geared hoist machine.

1.7.3.4 Overhaul secondary and deflector sheaves.

1.7.3.5 Provide new governor.

1.7.3.6 Provide new car and counterweight oil buffers.

1.7.3.7 Provide new governor and hoist ropes.

1.7.3.8 Provide new car and counterweight roller guides.

1.7.3.9 Provide new door operator, headers, tracks, hangers and related hardware.

1.7.3.10 Refurbish new car enclosure including ventilating system, and refinishing of ceiling, floor, etc.

1.7.3.11 Provide firefighter's phone in car and panel in main lobby.

1.7.3.12 Provide new hoistway, door, door protection devices, door interlocks, header, track, hangers and related equipment.

1.7.3.13 Provide new main car operating panel.

1.7.3.14 Provide new signal system, car and hall signal fixtures.

1.7.3.15 Provide new traveling cables and hoistway and car wiring.

1.7.3.16 Provide new diagnostic monitoring system.

1.7.4 Hydraulic Freight Elevator No. 8

1.7.4.1 Remove existing elevator equipment and appurtenances in the elevator machine rooms, hoistways and pits with the exception of items to be retained.

1.7.4.2 Remove existing traveling cables, electric wiring, conduit, junction boxes, etc. from the load side of the electrical power supply to all parts of the elevator plant, except s as specified herein. Existing wire raceways may be reused, if they are found to be code conforming.

1.7.4.3 Retain existing hoistway, pit, entrance frames and sills, door entrance frames, car sling frame and platform and guide rails.

1.7.4.4 All retained equipment shall have work performed as specified.

1.7.4.5 Provide new solid-state controllers with supporting equipment.

1.7.4.6 Provide new SCR drive units.

1.7.4.7 Provide new power unit.

1.7.4.8 Provide new cylinder and plunger unit.

1.7.4.9 Provide new valves, muffler, coupling, piping, all lines and scavenger pump with copper tubing.

1.7.4.10 Provide new spring buffer.

1.7.4.11 Provide new car roller guides.

1.7.4.12 Provide new door and gate operators, headers, tracks, hangers, and related hardware.

1.7.4.13 Provide new bi-parting hoistway, door and gate, door protection devices, interlocks, headers, track, hangers and related equipment.

1.7.4.14 Refurbish car enclosures including new ventilation system, bumpers, gates and refinishing floor, ceiling and wall panels.

1.7.4.15 Provide new main car operating panel.

1.7.4.16 Provide firefighter's phone in car and panel in main lobby.

1.7.4.17 Provide new signal system car and hall signal fixtures.

1.7.4.18 Provide new traveling cables and hoistway and car wiring.

1.7.4.19 Provide new diagnostic monitoring system.

1.7.5. For detailed requirements refer to Volume II of IV, Sections 14200 and 14202.

1.8 Mechanical Systems

1.8.1 Provide new air-conditioning for the Elevator Machine Room serving elevators Nos. 1 through 7. System shall be independent of the building cooling systems. Indoor unit shall be located within the elevator machine room and be 100% recirculating unit with a ducted supply for uniform air distribution. System shall be sized to adequately cool proposed equipment.

1.8.2 Deactivate ventilation systems AC-5 and AC-6 serving the Elevator Machine Room. Remove four (4) exhaust fans and repair wall to 2-hour rating. If possible, coordinate the locations of the controls and drain piping so that drain piping does not run above controls. If this is not possible, provide a drip pan under the 125 mm storm line horizontal piping and pipe drain to spill over floor drain in adjacent mechanical equipment room.

1.8.3 Elevator No. 8

1.8.3.1 Provide new air-conditioning for the Elevator Machine Room serving elevator No. 8. System shall be independent of the building cooling systems. Indoor unit shall be ceiling hung, 100% recirculating, ductless unit. System shall be sized to adequately cool proposed equipment.

1.8.3.2 Disconnect supply air to elevator machine room from the garage ventilation system and repair wall to 2-hour rating. If possible, coordinate the locations of the controls and drain piping so that drain piping does not run above controls. If this is not possible, provide a drip pan under storm and sanitary piping within the Elevator Machine Room and pipe drain outside to spill over garage floor.

1.8.4 Refrigerants

1.8.4.1 ASHRAE 15-94 discourages the running of refrigerant piping through walls, roofs, floors, ceilings, etc.

1.8.4.2 Future drop in alternative refrigerants will be flammable.

1.8.5 For detailed requirements refer to Volume II of IV, Division 15 of the specifications.

1.9. Electrical Systems

1.9.1 Elevator Switchboards EL-N and EL-F

1.9.1.2 Replace elevator switchboards with a new, single, 277/480 volt, 3 phase, 4 wire wall mounted power panel sized for total load of Elevators Nos. 1,2,3,7, and miscellaneous power load. Panelboard shall include main circuit breaker, four(4) shunt trip branch circuit breakers sized for new load of SCR units and one (1) circuit breaker to feed 480/120/208 volt transformer. Provide new wall mounted automatic transfer switch adjacent to power panel EL-N and connect load side of switch to new panelboard. Size of automatic transfer switch shall match size of new panelboard.

1.9.1.3 Disconnect and remove feeder conductors between existing switchboard located on first basement level and elevator switchboards EL-N and EL-F and provide new feeder conductors sized for new load. Existing conduit may be reused. Remove shunt trip of feeder circuit breaker feeding these switchboards, including associated interphase wiring to Fire Alarm System.

1.9.2 Elevator Switchboard EL-S

1.9.2.1 Replace elevator switchboards with a new 277/480 volt, 3 phase, 4 wire, wall mounted power panel sized for total load of elevators Nos. 4, 5, 6, and miscellaneous power load. Panelboard shall include main circuit breaker, three (3) shunt trip branch circuit breakers sized for new load of SCR units and one (1) circuit breaker to feed 480/120/208 volt transformer.

1.9.2.2 Provide new wall mounted automatic transfer switch adjacent to power panel EL-S and connect load side of switch to new panelboard. Size of automatic transfer switch shall match size of new panelboard.

1.9.2.3 Disconnect and remove feeder conductors between existing switchboard located on first floor and elevator switchboard EL-S and provide new feeder conductors sized for new load. Existing conduit may be reused. Remove shunt trip of feeder circuit breaker feeding this switchboard, including associated interphase wiring to Fire Alarm System.

1.9.3 Elevators Nos. 1 through 7 - Miscellaneous Power

1.9.3.1. Provide a new 480/120/208/volt step-down transformer and a 120/208 volt panelboard for car lighting, hoistway and pit lights, machine room lights, firefighter's service, receptacles and air conditioning units. Size transformer and panelboard for final load of proposed equipment.

1.9.3.2 Provide an automatic transfer switch ahead of transformer and connect load size to new panelboard. Size of switch to match size of panelboard. Provide new feed from distribution panelboards EL-N and EL-S to line side of new automatic transfer switch.

1.9.3.3 Disconnect all lighting, car lighting, etc. circuits from existing 120/208 volt panelboard and reconnect to new panelboard.

1.9.4 Elevator No. 8

1.9.4.1 Replace existing 60 ampere, 3 pole disconnect switch with new 277/480 volt, 3 phase, 4 wire panelboard and size it for total load of Elevator 8 and associated air conditioning, car lighting and miscellaneous equipment.

1.9.4.2 Panelboard shall include main circuit breaker and one (1) shunt trip circuit breaker for new power unit and one (1) circuit breaker to feed 480/120/208 volt transformer. Provide new wall mounted automatic transfer switch adjacent to power panel and connect load size of switch to new panelboard. Size of automatic transfer switch shall match size of new panelboard.

1.9.4.3 Disconnect and remove feeder conductors between existing power panel PFN and new panelboard and provide new feeder conductors sized for new load. Existing conduit may be reused.

1.9.4.4 Provide a new 480/120/208 volt step-down transformer and a 120/208 volt panelboard for car lighting, hoistway and pit lights, machine room lights, firefighter service, receptacles and air conditioning units. Size transformer and panel for final load of proposed equipment.

1.9.4.5 Disconnect all lighting, car lighting, etc. circuits from existing 120/208 volt panel and reconnect to new panelboard.

1.9.5 Lighting System

Retain existing lighting fixtures, wall switches and associated wiring. Lighting fixtures shall be cleaned and equipped with new electronic ballasts and T-8 energy saving lamps.

1.9.6 For detailed requirements refer to Volume II of IV, Division 16 of the specifications.

1.10 Fire Protection Systems

As part of a recent upgrade, fire protection systems for Elevators #1 through #7 were upgraded to meet latest Fire Safety Standards, including Firemen's Service, Automatic Recall, etc. The existing systems consist of the following:

a. Sprinkler System

Main and secondary levels of Elevator Machine Rooms serving Elevators #1 through #7, and Elevator Machine Room #8 are equipped with sprinklers.

Top of hoistways of Elevators #7 and #8 and pits of Elevator #8 are not covered by sprinklers.

Sprinkler system must be modified and expanded to cover top of hoistways and pit of these elevators as follows:

1. Elevator #7

Provide sprinkler protection at top of the hoistway.

Provide an OS&Y valve with tamper switch and a waterflow switch for the sprinkler line serving the top of hoistway.

Existing sprinkler system serving the machine room shall be retained.

2. Elevator #8

Provide sprinkler protection for the elevator hoistway and elevator pit.

Provide an OS&Y valve with tamper switch and a waterflow switch for the sprinkler line serving the top of hoistway.

Provide an OS&Y valve with tamper switch for the sprinkler line serving the elevator pit.

Existing sprinkler system serving the machine room shall be retained but control system shall be integrated with new Elevator Smoke Detection and Recall System.

b. Fire Alarm System

Upper Level of Elevator Machine Room for Elevators No. 1 through 7 is equipped with twenty five (25) conventional rate compensating heat detectors and their individual monitoring modules tied into the building EST multiplex fire alarm system. The activation of these units initiate the selective evacuation sequence of the fire

alarm system and cause the power to the elevator to shunt. The upper level of Elevator Machine Room for Elevators No. 1 through 7 is also equipped with twenty five (25) photoelectric type smoke detectors. Activation of these detectors shall initiate elevator recall of these elevators.

The system is in good condition and should be retained with the following modifications:

Elevators #1-6:

No new fire alarm devices are required.

Connect existing fire alarm shunt trip relays and elevator recall relays to the new elevator system and new shunt trips to provide elevator recall and shunt trip capabilities in accordance with NFPA 72 and ANSI A17.1.

Relocate the fire alarm shunt trip relays so that they are within 3 feet of the shunt trip.

Elevator #7

Provide heat detectors at the top of the hoistway.

Provide a new shunt relay, tamper switch for the new OS&Y valve for the hoistway, and a waterflow switch for the hoistway sprinklers.

Connect existing fire alarm shunt trip relays and elevator recall relays to the new elevator system and new shunt trips to provide elevator recall and shunt trip capabilities in accordance with NFPA 72 and ANSI A17.1.

Relocate any existing fire alarm shunt trip relays so that they are within 3 feet of the shunt trip.

Provide the necessary shunt trip devices, so that when the Elevator #7 hoistway waterflow switch or heat detectors activate, only the power to Elevator #7 is shunt tripped. When the elevator machine room waterflow switch or heat detectors activate, the power to all elevators associated with the machine room must be shunt tripped.

There are existing to remain smoke detectors, heat detectors, and a waterflow and tamper switch for the elevator machine room.

Connect all new fire alarm devices to the existing building EST fire alarm system.

Elevator Lobby Service Panel

There are existing elevator lobby service panels, with LED lights indicating the smoke detector which has activated. Because the smoke detectors are part of a multiplex fire alarm system and the fire department will know the exact location of the smoke

detector in alarm, the LED lights are no longer required. Remove smoke detector LED lights, demolish existing panels, remove fire alarm system relays, and program the relays out of the fire alarm system program. New Lobby/FFS panels will be provided for each group of elevators under elevator work.

Elevator #8:

Provide a complete functioning elevator smoke detection system in accordance with Specification 16726.

Provide new smoke detectors and heat detectors in the elevator machine room and at the top of the hoistway.

Provide new smoke detectors in the elevator lobbies.

Provide a new waterflow and tamper switch for the sprinkler line serving the top of the elevator hoistway.

Provide and OS&Y valve and tamper switch for the sprinkler line serving the elevator pit.

Provide new fire alarm shunt trip relays and elevator relays.

Connect new fire alarm shunt trip relays and elevator recall relays to the new elevator system and new shunt trips to provide elevator recall and shunt trip capabilities in accordance with NFPA 72 and ANSI A17.1.

Connect all new fire alarm devices to the existing building EST fire alarm system.

1.11 After completion of modifications, test the entire fire alarm system.

1.12 Provide 40 hours training of Government personnel on all new equipment installed on this project.

1.13 For detailed requirements refer to Volume II of IV, Sections 15330 and 16726 of the specifications.

2. SAFETY AND ENVIRONMENTAL MANAGEMENT

2.1 Safety and Environmental Requirements

2.1.1 The Contractor shall retain the services of a qualified* Asbestos Assessment Firm. The firm retained shall be available to provide services to assess conditions in any additional areas of the building (not referenced in this document) which are suspected of having Asbestos Containing Materials (ACM's) and require removal to accomplish the Elevator Improvements. In the event that materials impacting the project are suspected of having Asbestos Containing Materials (ACM), and additional asbestos assessment services are determined to be necessary to accomplish the project, the Asbestos Assessment Firm shall conduct an asbestos

assessment of such areas. (See Asbestos Evaluation - Section II, Part 2, sub-paragraph 1.2). The assessment shall include a review of existing documentation, a site inspection of suspected materials, and sampling of any possible asbestos containing material (ACM) not identified in existing documentation. Contact the GSA Safety and Environmental Branch (WPMOX) at 202-708-5236 to review existing documentation. Contractors performing the surveys are to utilize previous sample results determined by GSA to be valid. Sampling shall conform with the requirements found in 40 CFR 763.85. Follow Instructions for Assessments and use the Asbestos Assessment Data sheet in Attachment - B. Provide three (3) copies of the survey results, including sample results from previous surveys and new sample results, with the first submittal of design documents to the Contracting Officer, WPMOX and the designated Facility Asbestos Control Manager (FACM). Any ACM that will be disturbed as a result of the project shall be removed or handled in some other appropriate manner as outlined in the latest version of GSA Safety and Environmental Management Program, Instructional Letter PBS-IL-92-4; revisions, and all technical supplements to it. Safety and Health (Specification Section 01546), Asbestos Abatement Procedures (Specification Section 02085 - Asbestos Abatement Procedures has been included with the Division 1 Specifications provided with this Design-Build Elevator Improvements document. Cost estimates for any additional asbestos assessment and/or asbestos abatement services determined to be necessary shall be provided by the Contractor to the Contracting Officers Representative (COR) for review and approval.

*(Note: Qualified is defined as utilizing personnel who are EPA certified as AHERA Inspector/Management Planners or Project Designers.)

2.1.2 The Contractor shall retain the services of a qualified Industrial Hygiene Firm. The firm shall be available to conduct a lead based paint assessment of any additional work areas not already identified where painted surfaces will be disturbed by the Elevator Improvements. In the event that assessment services are determined to be necessary, the Industrial Hygiene Firm shall conduct an assessment of such areas. (Specification Section 02090 - Removal And Disposal Of Lead Based Paint has been included with the Division 1 Specifications provided with this Design-Build Elevator Improvements document.) Cost estimates for any lead based paint assessments and/or removal and disposal determined to be necessary shall be provided by the Contractor to the Contracting Officers Representative (COR) for review and approval.

2.2 Asbestos Removal

2.2.1 In the event that during the course of the project other areas of the building (not identified in this document) are suspected of having Asbestos Containing Materials, and removal of ACM's is determined to be necessary to accomplish the project, the Contractor shall provide that such Asbestos Containing Material (ACM) shall be removed or handled in the appropriate manner as outlined in Specification, Section 02085 - Asbestos Abatement Procedures. It is anticipated that any such required ACM removal can take place concurrently with the Elevator Improvements work and no advanced contract is required.

2.2.2 The ACM removal work shall be performed by a specialty Contractor who shall follow the testing of the industrial hygienist and, by the removal and cleaning process, remove all asbestos bearing materials from the areas affected by construction.

2.3 Lead-Based Paint Removal

2.3.1 Provide that any lead-based paint to be disturbed by the Elevator Improvements during the project's construction phase shall be removed or handled in the appropriate manner as outlined in Specification, Section 02090 - Removal And Disposal Of Lead Based Paint.

2.4 Fire Protection Engineering

2.4.1 The Contractor shall retain the services of a Registered Fire Protection Engineer. The engineer must have at least 6 years experience from which at least 3 consecutive years are directly involve in the fire protection engineering field. This same or an equally competent professional must remain on the A/E's project staff for the entire design of the project **and shall perform the design of all fire protection systems including but not limited to any fire alarm system modifications and new sprinkler system design.**

2.4.2 Sprinkler system installation shall be performed by a certified sprinkler contractor or a specialist who is experienced in the design and installation of automatic sprinkler systems (minimum 3 years). Design and installation must be performed by a sprinkler contractor whose business is located within a 120 kilometers radius of the Capitol and whose business has been operated and established within this radius for at least three (3) years.

2.4.3 Fire alarm system modifications/installation must be performed by an electrical contractor with a minimum of five years experience in the installation of fire alarm systems. The Contracting Officer may reject any proposed installer who cannot show evidence of such qualifications. The services of a technician provided by the control equipment manufacturer shall be provided to supervise installation, adjustments, and tests of the systems. Designer and installer shall have an office, which has been in existence for at least 3 years, within a 120 kilometer radius of the U.S. Capitol.

NOTE: The existing building fire alarm control panel is an EST multiplexed equipment. All fire alarm devices shall be compatible with the existing building system and shall not void the UL listing of the systems.

3. IMPLEMENTATION PROGRAM

3.1 Coordination of Construction Work

3.1.2 The building is scheduled to be occupied throughout the length of the construction phase(s) and security requirements will be in place. Some areas within the building have varied security measures and/or restricted access requirements. The Contractor shall determine the locations and coordinate his work with the security and access requirements of such areas with the Construction Engineer, prior to scheduling any work in such areas.

Reference Specification, Section 01541 - Security Regulations for security and access restrictions, the procedures to be followed to obtain security clearance, and the interaction required with the Contracting Officer or his designated representative.

3.2 Coordination With Other Work Not In Contract

3.2.1 The Contractor shall coordinate the work of this contract with that of other contracts in the building at the time.

3.3 Construction Schedule And Phasing

3.3.1 All work disruptive to occupants shall be performed during "off-hours" (i.e. evening and night) and on weekends. It is anticipated that multiple work crews will be required to work in different areas to accommodate the project schedule. The Contractor shall be required to develop a phasing plan and work schedule in advance of performing the work. The Contractor shall coordinate all work activity with the Building Manager and the Contracting Officer's Representative to ensure that proper security and access arrangements are made with minimal impact on the construction schedule. Reference Specification Section 01040, Project Coordinating, paragraph 1.5, for limitations on work hours.

3.3.2 Reference Specification, Section 00800 - Supplementary Conditions, for the number of calendar days allowed for performance and completion of the entire work ready for use.

End of Part 3, Section II

Section II - Project Scope And Technical Requirements

Part 4 - Design Criteria/Guidelines

1. CRITERIA GOVERNING DESIGN

Services to be performed by the Contractor under this contract shall conform to all applicable requirements and criteria indicated in the following and the latest issues and changes thereto:

1.1 Government Studies, Surveys, and Reports

1.1.1 Energy Efficiency in the Federal Government report, from the Office of Technology assessment.

1.2 Government Requirements

1.2.1 PBS P 3410.1D - Instructions to Contract Architect-Engineers.

1.2.2 PBS PQ 100-1A - The "Facility Standards for the Public Buildings Services", Metric Version, latest version.

1.2.3 PBS P 3440.5 - Project Estimating Requirements, latest version.

1.2.4 Buy American Act.

1.2.5 "General Guide for Editing Specifications", April 1988.

1.2.6 Requirements for Preparing Construction Specifications for PBS Projects, dated April 29, 1988; AIA Masterspec Specifications with GSA Supplements and the following GSA Regional Specifications:

*	Supplementary Instruction to Bidders	Section 00120
*	Supplementary Conditions	Section 00800
*	Competency Clauses - Series for Bidder and All Specialists	Section 00900
*	Safety And Health	Section 01546
*	Asbestos Abatement Procedures	Section 02085
*	Removal And Disposal Of Lead Based Paint	Section 02090
*	Electrical Specification changes	
*	Traction Elevators	Section 14200
*	Hydraulic Elevators	Section 14202
*	Wet-Pipe Sprinkler System	Section 15330
*	Hard-Wired Fire Alarm Systems	Section 16722

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".

a. NCR Architectural Section, "Supplemental Guidelines for Editing Specifications".

1.2.7 Safety and Environmental Management Program, Instructional Letter PBS-IL-92-4, and all revisions and technical supplements to it.

a. Environmental Management Technical Guides
GSA Safety and Environmental Management Division (PMS)

1.2.8 H.U.D. Document; "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing", dated June 1995.

1.2.9 Metric Guide for Federal Construction, Interagency Council on Metric Policy.

1.2.10 Metric Design Guide, General Services Administration.

a. Preferred Metric Units for General use by the Federal Government, Federal Standard 376B, January 27, 1993.

b. Federal Property Management Regulations (FPMR), Temporary Regulation D-76.

1.3 Codes and Regulations

1.3.1 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).

1.3.2 Article 10 of the 1993 BOCA Code is replaced by the entire contents of NFPA 101 for GSA submissions.

1.3.3 American Society of Mechanical Engineers (ASME); A17.1 and A17.5 Safety Codes for Elevators.

1.3.4 Occupational Safety and Health Regulations for Construction; 29 CFR, Parts 1926 and 1910.

1.3.5 Environmental Protection Agency Regulations.

1.3.6 Applicable local codes and regulations.

1.3.7 National Fire Protection Association Standards.

1.3.8 National Electrical Code (NFPA 70).

1.4 Industry Standards

1.4.1 Occupational Safety and Health Standards.

1.4.2 American National Standards Institute (ANSI) Publications.

1.4.3 The Institute of Electrical and Electronics Engineers (IEEE), Inc., Publications.

1.4.4 National Electrical Manufacturers Association (NEMA) Publications.

1.4.5 Electronic Industries Association (EIA) Publications.

1.4.6 Manuals of Steel Contstruction (AISC), ninth edition.

1.4.7 The ACI 318 Building Code (latest edition).

1.4.8 ASHRAE Handbooks
ASHRAE Standard 15-94, and ASHRAE S I Guide
ASHRAE Standard 90.1 - 1989 Compliance

1.4.9 SMACNA ductwork details

1.5 Underwriters Laboratories, Inc. (UL)

When conflicts in the above list occur, the A/E shall notify the Government and the authority having jurisdiction will provide the A/E with the necessary interpretation and guidance.

1.5.1 Structural Requirements

1.5.1.2 The Contractor shall perform a structural analysis of the existing building to determine adequacy of all structural systems for the proposed alteration.

1.5.2 The existing building shall be capable of supporting the minimum load requirements of Sections 1606.0, 1613.0 and 1614.0 of the BOCA National Building Code/1993.

1.5.3 The Contractor shall submit to the Contracting Officer proposed rigging plans and procedures for the installation of mechanical and electrical equipment.

1.5.3.1 Calculations shall be submitted to verify that the existing structure can safely support proposed rigging and temporary construction loads. The calculations shall be signed and sealed by a Registered Professional Engineer.

1.6 Historic Impact

1.6.1 The work of this contract is not expected to impact the historic features of the building.

2. SPECIAL CONSIDERATIONS

2.1 Fire Protection design shall be a NICET Level III or IV Technician or a Registered Fire Protection Engineer. Installation shall be performed by a certified sprinkler contractor or a specialist who is experienced in the design and installation of automatic sprinkler systems (minimum 3 years).

2..1.1 Specification Section 15330, Wet-Pipe Sprinkler System, and Section 16722, Hard-Wired Fire Alarm System, must be edited by the Contractor's A/E and edited versions included in all submissions to the Government.

2.2 Code Conformance Certification by the Contractor

2.2.1 The Contractor (A/E) shall include the following statement on the title sheet for all design projects:

(a) "The design of this project conforms to the following applicable codes and Government Requirements:

1.) (THE CONTRACTOR (A/E) IS TO LIST ALL APPLICABLE CODES AND GOVERNMENT REQUIREMENT DOCUMENTS HERE)

2.)

3.)

SIGNATURE: _____
DATE: _____"

This statement shall be signed and dated by the Professional Engineer whose seal is shown on the design drawings.

2.3 Coordination Of Work

2.3.1 All work shall be coordinated with and approved by the following:

(a) General Services Administration.

(b) Tenant Agencies.

2.4 Site Investigation

2.4.1 All arrangements for survey and investigation on site required during the design phase shall be coordinated and scheduled through the Building Manager. To arrange for the site visit, contact the following person:

Mr. William Cobbs
Building Manager
Phone: (202) 395-3675

2.5 Scope of Services

2.5.1 The Scope of Services indicated is not intended to limit the innovative design of the Contractor (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.

2.6 Drawing Requirements

2.6.1 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.

2.6.2 Scale of drawings submitted for review: For all disciplines, drawings prepared on GSA standard sheets shall 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. Room names and room numbers shall be shown on all floor plans.

2.6.3 Title block and drawing numbering criteria are provided on Attachment - A.

2.7 Conflicts in codes and standards.

2.7.1 In the event of a conflict between various standards or codes, the more stringent shall apply.

2.8 Mechanical Drawings shall include key plans, symbol list, abbreviation list, professional seal, flow diagrams and control sequences.

End of Part 4, Section II

ATTACHMENT - A

TITLE BLOCK AND DRAWING NUMBERING CRITERIA

(7 PAGES)

Note 14 Note 13

Note 12

DATE	REVISION	NO.

0 1" 2" 3"

GENERAL SERVICES ADMINISTRATION
PUBLIC BUILDINGS SERVICE
NATIONAL CAPITAL REGION

Note 1

A/E FIRM

COVER SHEET APPROVALS

CLIENT AGENCIES		FIRE PROTECTION	ENVIRONMENTAL MANAGEMENT
HISTORIC PRESERVATION	BUILDING MANAGER	SPACE MANAGEMENT	CONCESSIONS
ARCHITECTURAL	STRUCTURAL	MECHANICAL	ELECTRICAL

Note 11

Note 2

BUILDING

NAME		
ADDRESS	STREET	
	CITY	STATE
NUMBER		

Note 3

PROJECT

DESCRIPTION	
NUMBER	

Note 4

DRAWING

DRAWN BY		CKD. BY		DATE	
TITLE					
TYPE					
NUMBER					
	TYPE	SERIES	SEQUENCE		

Note 10

Note 5

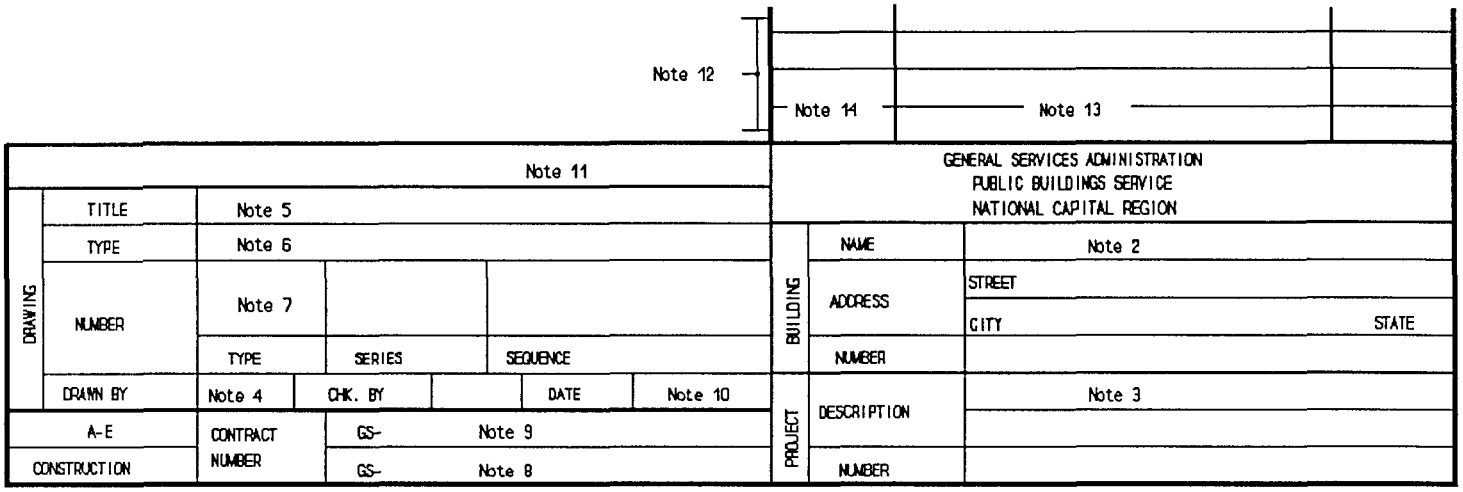
Note 6

Note 7

A-E	CONTRACT NUMBER	GS-
CONSTRUCTION		GS-

Note 9

Note 8



Note: Above title block is for use on drawings 11 inches, or smaller.

GENERAL NOTES

1. Insert name of contract architect-engineer. Size of this space may be adjusted to include names of structural, mechanical, and electrical engineers. Sample of proposed size and wording must be submitted for approval.

2. Insert the official name, address, and building number. For building name a maximum of twenty alphabetical and numeric data elements, including space between words, may be used.

3. Insert project description and project number. For project description a maximum of fifty-two alphabetic and numeric data elements, including space between words, may be used. If necessary, abbreviate project description.

4. Insert initials or names of individuals who produced and checked drawings.

5. Insert drawing titles according to sequence of general classification and number series. For drawing title maximum of twenty alphabetic and numeric data elements, including space between words, may be used. If necessary, abbreviate drawing title.

6. Insert drawing classification, such as survey, grading, demolition, architectural, structural, mechanical, or electrical. Drawing showing multidiscipline work shall use drawing type that represents the major portion of the work or best describes the major function.

7. Insert drawing numbers. A drawing number type according to title category, and drawing number sequence must always be inserted. Drawing number series shall be inserted or omitted. Add a capital letter suffix each time a drawing is revised or reissued for bidding, amendment, or contract change. First revision "A", second revision "B, etc.

8. Construction contract number will be inserted by GSA Contracts Division.

9. A/E contract number.

10. Change the date for each review submission.

11. Insert the name of the facility for projects having more than one building.

12. If drawing is to be reissued after being out for bids, add "Revision" block and fill in reason for reissuing.

13. Insert type of revision, number, and date each time drawing is reissued. If readvertised, date shall coincide with date of invitation on latest bid form; if an amendment or contract change, date shall be the same as the date on the related form. Add to the revision number the same suffix letter that was the sequence number.

14. Numbers in this column identify changes shown on the drawing. Circle affected area, and identify a number enclosed by a triangle.

NUMBERING SYSTEM

1. Drawing Numbers. Drawings prepared by GSA and government contractors have drawing numbers shown on title block in the format above.

   1.1 Over type, insert a number or letter according to category; i.e., C for cover sheet, 3 for architectural floor plans, 7 for structural, 9 for mechanical, etc. Only two digits or letters are allowed for the space under drawing number type. For contract changes and amendment drawings, use number corresponding to the drawing category best describing the work shown.

   1.2 Over drawing series insert a number or letter(s) according to instructions given for multiyear building and multiphase projects, see note 4. Only two digits or letters are allowed for the space over series. Space for drawing series is to remain blank if the series is omitted.

   1.3 Over drawing sequence insert a number indicating sequence arrangement for drawings having either a different number or, if included in the drawing number, a different series. Only four digits (including a letter suffix when drawings are reissued) are allowed for space over drawing sequence. For contract changes and amendment drawings, use sequence number shown on drawings being replaced and add suffix letter. For drawings of contract changes and amendments drawings that do not replace other drawings, continue sequence numbers in the order of drawings under that type and add a letter suffix.

2. Drawing Title Category	Drawing Number Type
Cover sheet with index (working drawings)	C
Surveys, borings (working drawings)	1
Site plans, grading, demolition (working drawings)	2
Architectural floor plans (working drawings)	3
Architectural elevations and transverse and longitudinal section (working drawings)	4
Architectural schedules and scale drawings (working drawings)	5
Structural drawings, scale details and schedules (working drawings)	7
Mechanical or electrical drawings (working drawings, see note 3 below) Contract change drawings (see notes 1.1 and 7)	9
Assignment plans	14
Landscaping	17
Concept drawings	20
Tentative drawings	21
Architectural full-size details	23
Architectural shop drawings	24
Structural shop drawings	25
Mechanical or electrical shop drawings	26
Boring location drawings	32
Amendment (see note 1.1)	
Furniture (portable)	36
Partition layout drawings	46

3. Mechanical or Electrical Drawings

3.1 These drawings are to be numbered in groups by inserting designation given below between drawing number type and drawing number sequence. Drawings for multibuilding or multiphase projects shall be numbered according to instructions given by note 4.

TITLE OF GROUP	DRAWING NUMBER SERIES
Outside services	S
Plumbing, sprinklers, vacuum cleaning systems, and gas piping	P
Heating	H
Ventilating	V
Air-conditioning	AC
Other mechanical equipment EQ	
A combination of two or more of the above	M
Electrical, conduit and wiring, Underfloor duct, communication and signal systems, and lighting fixtures.	E
Elevator	EL

3.2 If more than one type of mechanical work is shown on a drawing, the designation "M" shall be used for any combined group and inserted as drawing series.

3.3 If any group for mechanical work is included with any group for electrical work, the designation "ME" shall be used and inserted as drawing series.

Examples: A drawing marked 9-P-1 would show plumbing work; a drawing marked 9-E-1 would show electrical work; and a drawing marked 9-ME-1 would show mechanical and electrical work. Designations for different work shown should begin a new drawing number sequence starting with the number 1.

4. Multibuilding or Multiphase Projects

Projects that include more than one building or more than one phase of construction with the same project number shall have an additional drawing number, the drawing series, inserted between the drawing type and the drawing sequence. For mechanical or electrical drawings, omit the letter(s) designating group and insert the additional number for drawing series. For example, if a project has two buildings (or phase inserts), drawing 3-1-1 would be the architectural basement plan of building 1 and 3-2-1 would be the basement plan for building 2. Title of the drawing shall be followed by the building designation, or the phase number, abbreviated thus: (Bldg. 1), (Bldg. 2) or (PH. 1), (PH. 2), etc. For a drawing title that is sufficiently descriptive, the building or phase designation may be omitted.

5. Drawing Numbers Recorded

Drawing numbers shown on the title block in the same format are to be cited in the following manner: C-1, 3-11, 3-1-2, 7-11, 7-1-1, 9-AC-1, etc.

Examples: A drawing marked C-1 would be drawing number 1 of the cover sheet. The letter "C" is drawing number type and number 1 is the drawing sequence.

A drawing marked 3-11 would be drawing number 11 of the architectural floor plan (working drawings). The number 3 is drawing type and number 11 is drawing sequence.

A drawing marked 7-2-8 would be drawing number 8 of the building (or phase) number 2, for structural drawings (working drawings). The number 7 is drawing type, number 2 is drawing series and number 8 is drawing sequence.

A drawing marked 9-AC-3 would be drawing 3 of the air-conditioning, mechanical drawings. The number 9 is drawing type, designation AC is drawing series and number 3 is drawing sequence.

A drawing showing type, series, and sequence would be identified with a sequence number and a series number of the drawing category associated with the drawing type. This applies to multibuilding or multiphase projects.

6. Contract Change Drawings

When the change is minor, the original drawing may be reissued with the change circled. For complicated changes, a new drawing should be issued.

ATTACHMENT - B

INSTRUCTIONS FOR ASBESTOS ASSESSMENTS

(3 PAGES)

INSTRUCTIONS FOR ASBESTOS ASSESSMENTS

Fill out an assessment form for each homogeneous area. With each assessment provide a narrative summary of results and annotated floor plans showing sample locations. Utilize AHERA definitions and protocols.

Do not perform destructive testing in the presence of building occupants. All holes or other damage resulting from sampling is to be repaired at the time samples are collected.

DEFINITIONS:

Homogeneous Area- an area of surfacing material, thermal systems insulation (TSI), or miscellaneous material that is uniform in color and texture.

Functional Space- Means a room, group of rooms, or a homogeneous space; such as offices, crawl spaces, pipe chases, or mechanical equipment.

Significant Damage- TSI with 10% of risers, runs or surfaces, or 25% localized damaged. Surfacing with water stains or other damage over 10% of surface or 25% localized, or delamination of a large.

Minor Damage- Notable damage but less than significant, as described above.

No Damage- No damage or very little damage or deterioration.

ACCESSIBILITY:

High- Service workers in the proximity to material more than once a week, or located in public areas.

Medium- Service workers in proximity once a month to once a week, or in a room or office and accessible to occupants.

Low- Service workers in proximity less than once a month, or in a room but not within reach of occupants.

VIBRATION:

High- Loud motors or engines present, machinery directly mounted to the same structural component as the ACM.

Medium- Motors or engines present but not obtrusive, occasional loud noises.

Low- None of the above.

POTENTIAL FOR AIR EROSION:

High- High velocity air impinging on ACM.

Moderate- Significant air movement air shaft or low pressure plenum)

Low- Less than above.

AHERA CLASSIFICATIONS:

1. Damaged or significantly damaged TSI.
2. Damaged friable surfacing ACM.
3. Significantly damaged friable miscellaneous ACM.
4. Damaged or significantly damaged friable surfacing ACM.
5. Asbestos containing building material (ACBM) with potential for damage.
6. ACBM with potential for significant damage.
7. Any remaining friable ACBM or friable suspected ACBM.

BULK SAMPLING:

Unless directed otherwise, review existing sampling data and utilize previous positive sample results, as determined by GSA, as valid. Collect additional samples in each homogeneous area, as needed and as ordered to comply with 40 CFR 763.86.

Surfacing:	<1000 sq.ft.	3 samples
	>1000 <5000 sq.ft.	5 samples
	>5000 sq.ft	7 samples

TSI: At least 3 samples from each homogeneous area except where the accredited inspector has determined the material to be fiber glass, foam glass, rubber, or other non-ACBM.

Miscellaneous material: If the square footage is easily determined utilize surfacing protocol. Otherwise the accredited inspector is to collect sufficient materials to determine whether the material is ACM or non-ACM, but always a minimum of 3 samples.

ASBESTOS ASSESSMENT DATA SHEET

BUILDING NAME:_____
PROJECT CONTROL NO:_____ASSESSMENT DATE: _____
ADDRESS:_____
BLDG NO:_____ AMOUNT(SQ.FT., LIN.FT.)_____

Location in Bldg:_____
(include functional space)
Homogeneous area:_____

Type of material	**Damage**	**Accessibility**
__ fireproofing	__ none	__ high
__ acoustic plaster	__ minor	__ medium
__ acoustic tile	__ significant	__ low
__ thermal systems insulation (TSI)		
__ vinyl floor tile		
__ other_____	air plenum ( ) yes	( ) no

Friability	**Traffic**	**Vibration**	**Potential of air erosion**
__ high	__ high	__ high	__ high
__ medium	__ medium	__ medium	__ medium
__ low	__ low	__ low	__ low

AHERA Classification (see instructions):_____

Sample Number/ Sample Location/ Result
(include percent and type in result, eg 50%/Chrysotile)

_____/_____/_____

_____/_____/_____

_____/_____/_____

_____/_____/_____

_____/_____/_____

_____/_____/_____

NOTE: Use one form per homogeneous area and submit as part of the survey report. Consult 40 CFR part 763 for sampling protocols, analytical protocols and definitions.

Section III - Bids

Part 1 - Bid Submission Requirements

1. GENERAL

1.1 Bid Submissions. Offerors shall assemble all bid materials into one submission. Competing Offeror's bids will be reviewed by the Government and evaluated on the basis of Bid Price (i.e. lump-sum bid), and a Technical Qualifications Data Package (i.e. proof of competency and ability in the Technical Qualifications Data Package that the Contractor, (including the subcontractor(s) whom the Offeror will use for the performance of the work) is/are professionally and technically competent and qualified to provide the design-build services required by this Design-Build Elevator Improvements. After receipt of bids from all Offerors, and the Offeror submitting the "low bid" is established, an evaluation of the Offeror's Technical Qualifications Data Package will be made by the government. This evaluation process is intended to assess the Contractor's Technical Qualifications Data Package to ensure that the Offeror submitting the "low bid" is considered competent and qualified to provide all design-build services required by this document, and to perform the work in a manner which will serve the best interests of the government. Determination of the Contractor's competency will be based on proof of ability to meet the qualification standards and minimum requirements specified and defined in Part 2 of this Section III. The Offeror will be deemed competent and qualified when complete information and proof of technical ability meeting the qualification standards and minimum requirements specified are provided and verified. Award of contract does not constitute approval of drawings, quality control plan or other bid submissions required to determine technical competency.

1.2 Questions. All questions concerning bid submissions shall be directed to the CO in writing. The Government may choose not to act upon Offeror questions received within ten (10) calendar days from the bid submission date. (See sub-paragraph 1.3, Part 1 of Section I for the time period to submit questions for the Pre-Bid Conference.

2. BID ASSEMBLY

2.1 General. Offerors must assemble all bid materials into one submission containing a "lump-sum" Bid Price, and a Technical Qualifications Data Package, having the content and format noted herein. In addition, Offeror's bid submissions materials shall include a statement acknowledging an understanding of the occupying agency(ies) mission(s), and the anticipated impact of the work on the agency's occupants and operations.

2.2 Bid Price. The Offeror shall submit a Bid Price for a Design-Build contract on the required standard form(s). The Bid Price shall provide a firm "lump-sum" bid price for a Design-Build project. The "lump sum" bid price for design and construction of the project shall include all professional design/engineering services, and construction contractor services necessary to fulfill the objectives, scope, technical requirements, and terms of this Design-Build contract document within established schedules. Also refer to Specification, section 00120 - supplementary instruction to bidders.

2.3 Technical Qualifications. The Offeror shall submit a Technical Qualifications Data Package in addition to the Bid Price for the project. All bid materials required within Part 1 of this Section III shall be provided in one submission.

2.3.1 Minimum Requirements. To avoid possible oversight in developing/reviewing the bid submission materials, Offerors shall prepare a separate minimum requirements summary based upon the qualification standards specified in sub-paragraph 2.1 of Part 2 of this Section III.

2.3.2 Key Personnel Qualifications. Submit resumes for the following Key Personnel (defined in sub-paragraph 2.1, of Part 3, Section I, and state their availability and responsibility to the proposed project. Resumes should address: currently held position/title, proposed project position/title, education, professional licensing, personal awards received, and work experience over the last ten (10) years. On a summary sheet, identify key personnel roles in supporting design and/or construction of "past performance" projects: If role statements are not provided, it will be assumed there was no involvement.

- Contractor Principal(s)
- Project Coordinator
- Construction Supervisor
- Engineering/Architectural Principals
- Chief Design Engineers (Mechanical and Electrical)
- Senior Engineers/Architects
- Inspections and Testing Agent(s)
- Specialty Contractor/Consultant Principals (Elevators and Asbestos)

2.3.3 Past Performance. Provide descriptions of at least two (2) but not more than five (5) projects that have similar scope, requirements, and/or complexity to the project addressed by this document. Projects must have been performed over the past ten (10) years, having at least one of the first five Key Personnel listed above involved either as offered in this document or in a major role which must be stated. At least one (1) project must have been successfully developed and completed as a Design-Build project. Include project size, award price, space types, major program objectives, and applied fast track actions.

End of Part 1, Section III

Section III - Bids

Part 2 - Evaluation and Award

1. PROCESS

1.1 General. As presented in sub-paragraph 1.1 of Part 1 of this Section III, Offerors' bid submission materials will be reviewed and evaluated on the basis of Price (i.e. "low bid"), and Technical Qualifications (i.e. proof of competency and ability in the Technical Qualifications Data Package that the Contractor, (including the subcontractor(s) whom the Offeror will use for the performance of the work) is/are professionally and technically competent and qualified to provide the design-build services required by this Design-Build Elevator Improvements document. All bid materials required within Part 1 of this Section III shall be provided in one submission.

1.2 Basis for Final Selection. The government's final selection will be to the responsible Offeror submitting the "low bid" price, and who (through the technical evaluation process) is determined and verified to have the Technical Qualifications needed to provide the design-build services required by this document. If during the technical evaluation process it is determined that the information provided in the Offeror's bid submission materials fails to meet the standards and evaluation criteria, identified in Part 2 of this Section III, or (upon request by the government) the Offeror fails to provide clarification or evidence of ability to meet all standards and minimum requirements specified herein, the initial "low bid" submission will be disqualified from further consideration by the government. In this event the bid submission of the Offeror with the "low bid" nearest the initial established "low bid" will be considered eligible for review and technical evaluation. Subsequent to the technical evaluation and verification of the "low bid" from the responsible Offeror determined to be professionally and technically competent and qualified to perform the work, the government will make final selection and award.

1.3 Contract Award. This contract will be awarded after the CO executes the required standard form(s) incorporating all bid documents. This contract document does not commit the Government to award a contract. Upon award, the successful Offeror will be referred to as the Contractor. The Contractor will be bound by all of the requirements of this contract document and all bid documents submitted with the required standard form(s) and accepted by the Contracting Officer, all of which is incorporated as a part of the award document.

2. BID EVALUATION

2.1 Minimum Requirements. Competing Offerors' bid submissions will be reviewed and evaluated on the basis of "low bid (i.e. lump sum bid), and Technical Qualifications. After the Offeror submitting the "low bid" is established, the "low bid" Offeror's submission will be further reviewed and evaluated to ensure that the following minimum requirements are met. Offerors's bid submission materials not meeting all of the following criteria will be disqualified from further consideration for final selection and award.

2.1.1 Type of Work. The Offeror's Key Personnel must have provided delivery services in their proposed capacities for at least two major elevator upgrade/renovation projects involving elevator systems removal/replacement and asbestos removal, performed during tenant occupancy. The project must have been similar to the scope, requirements, and complexity of the project

prescribed within this document. See sub-paragraph 2.3.2, of Part 1, of this Section III for Key Personnel position categories.

2.1.2 Size of Project. Each of the Offeror's Key Personnel must have performed in their proposed capacity with a construction project involving at least 40,000 gross square meters involving more than five (5) stories in height above grade.

2.1.3 Design Tenure/Registration. The Offeror's Key Personnel responsible for certifying design completion, and/or sign-off of design drawing title blocks, must have a minimum of ten years professional (project related) experience, and be a registered professional engineer.

2.1.4 Design/Build Experience. The Contractor's Project Coordinator must have performed in that capacity for at least one previously completed Design-Build project.

2.1.5 Past Performance. In accordance with sub-paragraph 2.3.3 of Part 1 of this Section III, at least one submitted past performance project must have been developed Design-Build.

2.1.6 CAD Capability. The proposed prime Engineer/Architect must identify the means of providing the CAD services identified in sub-paragraph 1.4, Part 2, of Section I.

2.1.7 Preliminary Quality Control Plan. The Contractor shall submit a preliminary Quality Control Plan which addresses the method for removal of old equipment, and delivery and installation of new equipment. All strategies proposed should be of sufficient detail that the Government can determine that the Contractor has a clear understanding of the following: the occupying agency(ies) mission, the logistics (proposed pathways, special equipment required for access, etc.), the architectural/structural impact, the noise abatement issues, and any other anticipated impact to the building and its tenants. Approval of strategies and methods for accomplishing the contract will take place upon receipt of an acceptable final Quality Control Plan submitted in accordance with Schedule of Design Submissions.

2.1.8 Sufficient and Qualified Staff Available to Meet Project Schedule. Provide the present work load of the Offeror's proposed staff, both design and construction, and their availability during the proposed time frame for this contract.

2.2 Bid Price Evaluation. The Government will evaluate the Bid Price considering the Offeror's bid price submission for the required Design-Build Services, in comparison with the Government's estimated costs within the established cost limitations for the project.

2.3 Technical Qualifications Evaluation. The following are the Technical Evaluation Factors and are all of equal importance.

2.3.1 Minimum Requirements Summary.

2.3.2 Key Personnel Qualifications.

2.3.3 Past Performance.

2.3.4 Preliminary Quality Control Plan:

2.3.5 Sufficient and Qualified Staff Available to Meet Project Schedule:

End of Part 2, Section III

EXHIBIT-A

ELEVATOR CORE, MACHINE ROOM AND CAB LAYOUTS, ESCALATOR LAYOUTS, ELECTRIC AND MECHANICAL PLANS AND DIAGRAMS

(22 PAGES)

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

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4	RESULTS	4
5	CONCLUSIONS/RECOMMENDATIONS	5

APPENDIX A:LEAD-BASED PAINT DOCUMENTATION

EXECUTIVE SUMMARY

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
1335 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 ■ % 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: Begenia 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 lt. grey electrical panel	metal	Intact ■ Fair ☐ Poor ☐		Yes ☐ No ■	
No	Others			Intact ☐ Fair ☐ Poor ☐		Yes ☐ No ☐	

GSA

GSA National Capital Region - Public Buildings Service
Safety, Environment & Fire Protection Branch (WPYG)

NOVEMBER 2, 2000

MEMORANDUM TO: KERRY BONOS
WHITE HOUSE SDT (WPW)

FROM: TIM SLEETH, INDUSTRIAL HYGIENIST
SAFETY, ENVIRONMENT AND
FIRE PROTECTION BRANCH (WPYG)

SUBJECT: ASBESTOS ABATEMENT MONITORING
4TH FLOOR DATA CENTER
NEW EXECUTIVE OFFICE BUILDING (NEOB)
725 17TH ST., NW
WASHINGTON, DC

From August 5th through August 22nd, 2000, Enviro-Management, Inc. monitored the abatement of known asbestos-containing materials (ACMs) from the New Executive Office Building (NEOB), located at 725 17th St., NW, Washington, DC. Abatement operations consisted of the cutting of access panels in perimeter walls to facilitate fan coil unit modifications on the 4th floor Data Center.

Asbestos abatement activities were conducted within a negative pressure enclosure with an attached decontamination unit. Additionally, wet methods and HEPA (High Efficiency Particulate Air) vacuums were utilized during abatement operations to control fiber release. During asbestos abatement operation workers utilized protective clothing and half-face HEPA respirators.

Air monitoring samples were collected and analyzed on site by Phase Contrast Microscopy (PCM), NIOSH 7400 Method. On August 5, 2000 two samples were found to exceed the Reoccupancy Standard of <0.01 fibers/cc. These two samples were analyzed by Transmission Electron Microscopy (TEM) and were found to be below the AHERA (Asbestos Hazard Emergency Reauthorization Act) clearance standard of 70 s/mm^2.

All of the remaining air samples collected outside the work area and final clearance air samples yielded results below then Reoccupancy Standard of <0.01 fibers/cc.

Should you have any questions please contact me at (202) 708-5257.

DC010S
10-24-00/JCH/WPG
#1643
CC: KERRY BOWDS

Enviro-Management, Inc.

INDUSTRIAL HYGIENE SERVICE

October 11, 2000

Mrs. Normajean Eleazer
GSA Safety and Environmental Management
7th. & D Streets, SW, Rm. 2080
Washington, DC 20020

Contract # GS11P00MQC0068
PO# P-11-00-DC-0360
ACT# P02641043

Re: IH oversight & air monitoring Services

Site: New Executive Office Building
725 17th Street, NW
Washington, DC 20006

EMI Project # 080156

Dear Mrs. Eleazer:

From August 05, 2000 through August 22, Curtis Hardison of Enviro-management, Inc. (EMI) provided Industrial Hygiene oversight at the New Executive Office Building (NEOB) located at 725 17th Street NW, Washington, D C. The Abatement Contractor was Southern Insulation, Inc. The abatement project consisted of cutting access panel openings in perimeter walls in order to facilitate a planned modification of fan coil units throughout the fourth floor Data Center. Final Clearance sampling was performed in each containment in each room at the end of abatement. Final clearance sampling results for each containment was less than 0.01 fibers (f/cc).

On 08-05-00 and while monitoring abatement activities in the containment at AHU A-7-1, elevated analytical results were revealed in two samples; numbers 4 and 8. The questionable samples were immediately upgraded to a Transmission Electron Microscopy (TEM) analysis which revealed that no asbestos structures were present in either sample. The TEM laboratory results are attached.

Enclosed you will find a copy of the Initial inspection sheet, daily logs, the daily inspection sheets, the final inspection sheets and the air monitoring results.

Sincerely,

Gail Smith

3100 Pennsylvania Ave., S.E., • Washington, D.C. 20020 • (202) 582-2461 • (202) 582-2478

FROM : ENVIRO MANAGEMENT INC FAX NO. : 202-582-6143 Nov. 01 2000 01:52PM P2

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: GSA
Site Name: NEOB
Site Address: 725 17th St., N.W.
Washington, D.C.
Client Contact: Galen Green

Date: 08-05-00
Staff: C. Harrison
Title:
Job Number: 00158
Client Phone:

Summary of Daily Events:

0630 - Arrived on site and performed a walk-through of the project.
0700 - Met with Mr. Anthony Butler, project Engineer, and waited for the abatement company, Southern Insulation to unload and position supplies.
0755 - Started background sample at the location designated for access holes to be cut into plaster walls at AHU# A-7-1. (Sample #01 - Background.
0800 - Southern Insulation began constructing containment.
0945 - Containment is in place and negative air has been established.
1000 - Started area samples at the following locations
Sample #02 inside containment #1
Sample #03 Clean Room #1
Sample #04 outside clean Room #1
Sample #05 At negative air exhaust #1
1100 - Collected samples 02, 03, 04 + 05 for analysis.
1115 - Sample #04 (outside of containment) revealed elevated fiber count of 13 and a result of 0.02 f/cc. Engineering controls will be tightened + sample #04 is upgraded to TEM for asbestos specific analysis.
1900 - Started second set of samples at the following locations:

Signature of Client/Site Contact: _____ Date: _____

Signature of Representative On Site: C. Harrison Date: 08-05-00

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-05-00

Site: 4th St. Computer Center **EMI Rep:** C. Hardison

Address: 705 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

#06 - inside containment #2
#07 - Clean Room of containment #2
#08 - outside of clean Room of containment #02
#09 - At negative air exhaust of containment #02
1335 - Collected samples of 07, 08 + 09 for analysis. Sample #08 (outside of clean room) revealed an elevated fiber count with a result of 0.14 f/cc. the sample is upgraded to TEM analysis.
1330 - Final clearance samples were started after a satisfactory visual inspection of both containments revealed no descrepancies.
1510 - Collected final clearance samples from containments #01 + #02 for analysis.
1535 - Final clearance results revealed that the final clearance of each containment (samples #10 + 11) is within the OSHA requirement for reoccupancy after abatement.
1600 - Departed site.

* NOTE - Sample #04 and sample #08 had elevated results, so they were upgraded to TEM analysis to determine if asbestos was present.
>- Transmission Electron Microscopy reveal that no asbestos structures were present in samples #04 + 08... sample 04 was mislabeled as sample #05 on the chain of custody and analytical results page.

Signature of EMI Representative On Site: Curt Hard **Date:** 08-05-00

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Project: 4th Fl. Computer Center

Location: 725 17th St., NW Date: 08-05-00

Removal Contractor: Southern Time Inspected: 0730

Monitoring Contractor: EMI Time Work Started: 0600

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

GSA ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ___ HEPA ✓ PAPER ___ TYP"C" ___	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?	✓	
	b. Soap and Towels?		
	c. Used Each Departure?	✓	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. Eating/drinking	✓	

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

_____

_____

_____

_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: C. Hardsi Date: 08-05-00

Enviro-Management, Inc.

CHAIN OF CUSTODY/DATA FORM

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C Hardison	Date: 08-05-00	Contractor: Southern Insulation
Client: GSA	Client Contact: Tim Sleeth	Contractor Contact:
Site: NEOB 4th fl compact center	Client Phone: 202-708-5957	Contractor Phone:
Site Address: 725 17th St, NW Washington DC	Client Address: 7th + D St, SW Wash DC	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.: 80158	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

FIELD IDENTIFICATION	SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	TWA	FLOW RATE	PUMP #
NEOB 4th fl.	01	At AHU # A-21	Pre	955	958	103 min.	1,476	93.5/100	<0.01	X	12	03
	02	Inside containment	IE	1000	1147	107	967.5	135.5/100	0.95	X	9.5	7835
	03	Clean Room	CR	1000	1147	107	962.5	61.5/100	0.11	X	9.5	7153
	04	outside clean Room	OE	1000	1149	109	972.5	13/100	0.02	X	9.5	7128
	05	negative Air Exhaust	EX	1003	1330	197	491.5	2.5/100	<0.01	X	9.5	7132
	06	inside containment	IE	1200	1330	90	895	2.5/100	<0.01	X	9.5	7872
	07	clean Room	CR	1200	1333	93	932.5	1.5/100	<0.01	X	9.5	7834
	08	outside clean Room	OE	1200	1334	94	935	66.5/100	0.14	X	9.5	7835
	09	Negative Air Exhaust	EX	1202	1332	90	885	5.5/100	0.01	X	9.5	7153
	10	Final containment #1	EIF	1320	1505	105	1,260	4/100	<0.01	X	12	03
	11	Final containment #2	EIF	1389	1510	108	1,296	7.5/100	<0.01	X	12	18
	12	Blank	BLK	—	—	—	—	1.5/100	<0.01	—	—	—

		PUMP #	ROTAMETER	(B) FLOW RATE (A)	
SHIPPED VIA:	SHIPPING TICKET #:				
SAMPLES TAKEN BY: Curtis Hardison					
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				

COMMENTS/INSTRUCTIONS:

IH TIME ON SITE 0630 IH TIME OFF SITE 1600

TOTAL BILLABLE HOURS 9.5

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) 6

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

EMSL Analytical, Inc.

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

Attn.: Curtis Hardison
Enviro-Management, Inc.
3100 Pennsylvania Avenue, S.W.
Washington, DC 20020

Monday, August 07, 2000

Ref Number: MD003341

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

Project: NEOP Comp. Center

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5μ - < 5μ	# STRUCTURES ≥ 5μ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
05	272.50	None Detected			0	0.0680	0.0208	<14.71	<0.0208
08	235.00	None Detected			0	0.0680	0.0241	<14.71	<0.0241

Brett Macey
Analyst

Approved Signatory

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

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

MID00334

EMSL ANALYTICAL CHAIN OF CUSTODY ASBESTO

EMSL Representative:	Envirо-Management		
Your Company Name:	Envirо-Management, Inc	EMSL-Bill to:	
Street:	3100 PA Av. S.E.	Street:	
Box #:		Box #:	
City/State:	WASH. DC Zip: 20020	City/State.	Zip:
Verbal Results to:	Curtis	Fax Results to:	Curtis
Telephone #:	202-582-2461	Fax #:	202-582-6143
Project Name/Number:	Neop Comp. Center	Purchase Order #	

MATRIX

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

TURNAROUND TIME

- ☒ 6 Hours ☐ 3 Hour** ☐ 24 Hours ☐ 48 Hours
- ☐ 3 Days ☐ 5 Days ☐ 6-10 Days ☐ Same Day*

**Must call Lab for approval

*** 10:00AM deliv results by Mid-nig or earlier

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

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

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

SEM
- ☐ Qualitative
- ☐ Quantitative

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

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

TEM WIPE
- ☐ Quantitative
- ☐ Qualitative

XRD
- ☐ Asbestos
- ☐ Silica

- ☐ OTHER
- ☐ COMMENTS

Client Sample # (s)

Total Samples:

Relinquished:		Date:	Time:
Received:	J Harris	Date: 8/7/00	Time: 9:30
Received:		Date:	Time:

SAMPLE DATE	SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
08-05-00	05 (04)	outside clean Room	272.5
08-05-00	08	outside clean Room	235

Enviro-Management, Inc.

DAILY LOG

Project: NEOB ~~795 17th St.~~, N.W. **Date:** 08-07-00

Site: 4th Fl. Computer Center **EMI Rep:** C. Hardison

Address: 795 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

0700 - Arrived on site, met with Southern Insulation's supervisor, Mr. Pete Ruel and Reviewed this dates objectives.

0730 - Started background samples at two locations.
#13 unit #1, A-7-1
#14 unit #3, A-7-5

0900 - Containment #1 at unit #1, A-7-1 is complete and permission is given to proceed.

0900 - Started samples at containment #1 as follows:
Sample #15 - inside of containment
Sample #16 - inside of Clean Room
Sample #17 - outside of Clean Room
Sample #18 - At negative Air Exhaust.

1030 - Work is complete in containment at unit #1 A-7-1 and the area is ready for inspection

1045 - Inspection is complete and permission is given to encapsulate.

1100 - Containment #2 at unit #3, A-7-5. The inspection revealed no deficiencies and premission is given to begin cutting two access holes. Samples are started in the following locations.
#19 - inside of containment
#20 - Clean Room
#21 - outside clean Room

Signature of EMI Representative On Site: [signature] Date: 08-07-00

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: GSA
Site Name: NEOB 4th Fl. computer center
Site Address: 725 17th St., N.W.
Washington, DC
Client Contact: Galen Green

Date: 08-07-00
Staff: C. Hardison
Title:
Job Number: 80158
Client Phone: 202-565-0097

Summary of Daily Events:

1155 - Collected samples # 15, 16, & 17 from containment #1 at unit 1, A-7-1 for analysis.
1205 - Results of sample #15 were not obtained due to excessive debris. Abatement workers are cautioned for the last time to use more amended water during the cutting process. Sample # 16 (clean) room has a result of 0.03 f/cc and sample # 17 (outside) has a result of <0.01.

1330 - containment #2 at unit 5, A-7-5 is ready for inspection and crew takes a lunch break.
1345 - Started final clearance sample (#22) in containment #1 at unit 1, A-7-1
1300 - Collected samples #19, 20 + 21 from containment #2 for analysis.
1300 - Started final clearance sample # 23 in containment #2 at unit 3, A-7-5
1353 - Collected final clearance sample #22 from containment #1 at unit 1, A-7-1 for analysis
1400 - Final clearance analysis of sample #22 revealed a result of <0.01. Permission is given to dismantle the containment but the abatement crew will wait until tomorrow for teardown.
1447 - Collected final clearance sample #23 for analysis.
1530 - Departed site after reading final clearance with a result of <0.01 f/cc

Signature of Client/Site Contact: _____ Date: _____

Signature of Representative On Site C. Hardison Date: 08-07-00

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 4th fl. computer Center

LOCATION: 725 17th St., N.W. Date: 08-07-00

Removal Contractor: Southern Insulation Time Started: 0700

Monitoring Contractor: EMI Time Stopped: 1530

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	N/A	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?		
	b. Soap and Towels?	N/A	
	c. Used Each Departure?		
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

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

Report Prepared By: Curtis Hardt Date: 08-07-00

Enviro-Management,

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C HARDISON	Date: 08-07-00	Contractor: Southern Insulation
Client: GSA	Client Contact: Galen Green	Contractor Contact: Pete Ruel
Site: NEOB 4th fl. comp cntr	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St., NW Washington, DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.: 80158	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
13	AHU #1, A-7-1	PRE	12	03	0720	0904	104	1,248	5.5/100	<0.01	
14	AHU #5, A-7-5	PRE	12	18	0726	0906	100	1,200	8.5/100	<0.01	
15	Containment at AHU#1	IE	2.5	7138	0900	1155	175	437.5	VOID		Excessive debris
16	" clean Room	CR	2.5	7132	0900	1155	435 175	437.5	225/100	0.03	
17	"outside clean Room	OCR	2.5	7137	0902	1157	165	412.5	7/100	<0.01	
18	Negative Air Exhaust	EX	2.5	7149	0904	1305	241	602.5	6.5/100	<0.01	
19	Containment #8 at AHU#3	IE	2.5	7105	1100	1300	120	300	VOID		Excessive debris
20	inside clean Room	CR	2.5	7138	1102	1300	118	295	44/100	0.07	
21	outside clean Room	OE	2.5	7134	1105	1304	119	297.5	15/100	<0.01	
22	final clearance #1	IEF	12	03	1145	1353	128	1,536	7/100	<0.01	
23	final clearance #2	IEF	12	18	1300	1447	107	1,284	4.5/100	<0.01	
24	BLANK	BLK	—	—	—	—	—	—	2/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:
	#19 - debris is bein tracked from the work area into the clean Room
	7 Bags of Debris Removed today

SAMPLES TAKEN BY: Curtis Hardison

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE 0700 IH TIME OFF SITE 1500

TOTAL BILLABLE HOURS 8

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) 5

Microscope ID:

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-08-00

Site: 4th fl. computer center **EMI Rep:** C. Harrison

Address: 725 17th St, N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

0700 - Arrived on site and gave permission for the abatement crew to dismantle containments from the previous day.

* the abatement crew failed to remove one mudded elbow from the pipe chase at unit 5, A-7-5 and must remove it... permission is given to remove the elbow in a mini-containment since a glovebag around the elbow is impracticable.

0830 - Started samples in the following locations for a containment at unit 1, A-7-1 to cut one access hole:

Sample #95 - inside containment
Sample #96 - inside clean room
Sample #97 - outside clean room
Sample #98 - at negative air exhaust.

0835 - Access hole is cut and the crew is in the process of bagging-out and cleaning the containment.

0915 - the containment is cleaned and ready for visual inspection.

0925 - permission is given to encapsulate after inspection.

0930 - crew breaks for lunch.

1015 - crew returns from lunch

1045 - collected sample #'s 95, 96, 97 & 98 for analysis

1085 - started samples in containment in NE corner of computer center at the

Signature of EMI Representative On Site: Curtis Harris **Date:** 08-08-00

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-08-00

Site: 4th Fl. computer center **EMI Rep:** C. Hardison

Address: 785 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

following locations:
sample # 29 inside containment
sample # 30 clean room
sample # 31 outside clean room
sample # 32 at negative air exhaust
1055 - mini-containment at unit 5, is ready for removal of one mudded elbow
sample # 33 inside mini-containment
sample # 34 outside mini-containment
1100 - collected samples from containment at unit 1, A-2-1 for analysis (25, 26, 27 + 28)
1105 - started final clearance sample containment at unit 1, A-7-1.
sample # 35 final clearance unit 1, A-2-1
1030 - started final clearance in containment at the NE corner of the computer center
sample # 36 final clearance
1232 - collected samples from NE containment for analysis
sample # 29, 30, 31, 32
1955 - collected final clearance sample # 35 from containment at unit 1, A-2-1 for analysis
1410 - microscopic analysis of sample reveal a result of <0.01 fiber per cubic centimeter
the crew will dismantle the containment tomorrow
1415 - the sampling pump for the final clearance

Signature of EMI Representative On Site: C. Hardison **Date:** 08-08-00

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-08-00

Site: 4th Fl. computer center **EMI Rep:** C. Hardison

Address: 725 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

Sample for the NE corner has been unplugged by someone rendering sample # 36 as void due to possible tampering

1425 - Collected final clearance sample from the mini containment for analysis. Sample #37

note - Samples taken at the mini-containment are elevated due to a contractor working on an access opening 3 ft. from the mini-containment that is cut into the same pipe chase. The final clearance results are <0.01.

1440 - Analytical results of the mini-containment revealed a <0.01 final clearance result. The abatement contractor will dismantle tomorrow

1500 - Departed site

Note - Samples #31 + #34 revealed elevated results due to the contractor mixing and applying plaster to the access openings.

Signature of EMI Representative On Site: C. Hardison Date: 08-08-00

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 4th Fl. computer CTR

LOCATION: 725 17th St., N.W. Date: 08-08-00

Removal Contractor: Southern Insulation Time Started: 0700

Monitoring Contractor: EMT Time Stopped: 1530

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	✓	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?		
	b. Soap and Towels?		
	c. Used Each Departure?		
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

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

Report Prepared By: C. Hardman Date: 08-08-00

Enviro-Management, Inc.	Industrial Hygienist: C. Hardison	Date: 08-08-00	Contractor: Southern Insulation
CHAIN OF CUSTODY/DATA FORM	Client: GSA	Client Contact: Galen Green	Contractor Contact:
	Site: NEOB	Client Phone: 202-565-0097	Contractor Phone:
3100 Pennsylvania Avenue, SE Washington, DC 20020 (202) 582-2461	Site Address: 725 17th St., N.W. Washington DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
	Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

FIELD IDENTIFICATION	SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	TWA	FLOW RATE	PUMP #
Containment at unit 1, A-7-1	25	Inside Containment	IE	0820	1100	160	400	88/100	0.1	X	2.5	7132
"	26	Clean Room	CR	0820	1100	160	400	6/100	<0.01	X	2.5	7149
"	27	outside Clean Room	OCR	0822	1100	158	395	4/100	<0.01	X	2.5	7272
"	28	Negative Air Exhaust	EX	0825	1100	155	387.5	3/100	<0.01	X	2.5	7105
	29	inside containment	IE	1050	1232	102	255	VOID		X	2.5	7235
	30	Clean Room	CR	1050	1232	102	255	78/100	0.1	X	2.5	7234
	31	outside Clean Room	OCR	1052	1233	101	252.5	18/100	0.03	X	2.5	7153
	32	negative Air Exhaust	EX	1053	1235	102	255	2/100	<0.01	X	2.5	7198
	33	inside mini-containment	IE	1055	1250	115	287.5	17/100	0.07	X	2.5	7236
	34	outside mini-containment	OE	1055	1250	115	287.5	10/100	0.04	X	2.5	7105
	35	final clearance unit 1	IEF	1105	1355	110	1,320	6/100	<0.01	X	12	03
	36	final clearance NE corner	IEF	1230		VOID				X	12	18
	37	final mini-containment	IEF	1245	1425	100	1,200	3.5/100	<0.01	X	12	03

SHIPPED VIA:	SHIPPING TICKET #:	PUMP #	ROTAMETER	(B) FLOW RATE (A)	
SAMPLES TAKEN BY: Curtis Hardison					
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				

COMMENTS/INSTRUCTIONS: 9 Bags of Debris was collected.

IH TIME ON SITE 0900 IH TIME OFF SITE 1500

TOTAL BILLABLE HOURS 8

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) 8

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-Management,

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C HARDISON	Date: 08-08-00	Contractor: Southern Insulation
Client: GSA	Client Contact: Galen Green	Contractor Contact: pete Ruel
Site: NEOB computer center	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St., N.W. Washington, DC	Client Address: 725	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.: 60158	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
78	BLANK	BLK	—	—	—	—	—	—	25/100	<0.4	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. HARDISON	IH TIME ON SITE 0700 IH TIME OFF SITE 1500	Microscope ID:
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS 8	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) 8	If No, Readjusted: OK

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-09-00

Site: 4th fl. computer center **EMI Rep:** C. Harrison

Address: 725 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

0700- Arrived on site. the Abatement crew only has two people on site today. the Abatement crew is usually made up of three people.
2- containments from yesterday are being dismantled and two containments are being erected for todays work.
0800- Containment on the East wall at the North end of the Room is Ready.
0810- Started pumps ~~at~~ the following locations.
Sample #39 inside containment
Sample #40 clean Room
Sample #41 outside clean Room
Sample #42 negative air Exhaust
0815- one Abatement worker began cutting two access holes in containment on the ~~wall~~ East wall at the North end of the Room
1000 - Cutting of access holes is complete and the containment is Ready for visual inspection.
1010 - inspection is complete and permission is given to encapsulate.
1015 - negative air has been established in the second containment on the East wall. visual inspection is complete and permission is given to proceed.
1090 - Samples are place at the following locations for the second containment.

Signature of EMI Representative On Site: _____ Date:

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-09-00

Site: 4th Fl. Computer Center **EMI Rep:** C. Hardison

Address: 725 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

Sample # 43 inside containment
Sample # 44 clean Room
Sample # 45 outside clean Room
~~Sample # 46~~
1030 - The workers enter containment #2 to cut one access Hole
1050 - Cutting of access Hole is complete and final cleaning is in process
1105 - Collected samples # 39, 40 + 41 from containment #1 for analysis.
1110 - Started final clearance sample # 46 in containment #1
1250 - Collected samples 43, 44, 45 + 48 for analysis
1300 - Collected sample # 46 for analysis and the analytical result of <0.01 indicates that it is safe to dismantle the containment.
1340 - Analysis results of the inside and clean room samples reveal elevated levels of fibers-in-air. The contractor will be required to re-clean the containment tomorrow and another final clearance sample will be taken.
1430 - Final clearance sample # 47 for containment was inadvertently unplugged by workers. Will re-sample tomorrow A.M.
1500 - Departed site

Signature of EMI Representative On Site: C. Hardison **Date:** 08-09-00

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 4th fl. Computer Ctr.

LOCATION: 785 17th St. N.W. Date: 08-09-00

Removal Contractor: Southern Insulation Time Started: 0700

Monitoring Contractor: EMI Time Stopped: 1500

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	✓	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?		
	b. Soap and Towels?		
	c. Used Each Departure?		
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

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

Report Prepared By: C. Hardsion Date: 08-09-00

Enviro-Management

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Hardison	Date: 08-09-00	Contractor: Southern Insulation	
Client: GSA	Client Contact: Galen Green	Contractor Contact: Pete Ruel	
Site: NEOB 4th fl. computer ctr.	Client Phone: 202-565-0097	Contractor Phone:	
Site Address: 725 17th St., N.W. Washington DC	Client Address:	Sampling & Analytical Method:	
		On Site ____ Lab ____	
Job No.: 80158	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.		

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
39	Containment NE corner	IE	2.5	7132	0810	1104	113	282.5	void	—	Excessive Dust
40	Clean Room	CR	2.5	7234	0810	1105	114	285	80/100	0.13	
41	outside Clean Room	OE	2.5	7105	0811	1104	113	282.5	19.5/100	<0.01	
42	Negative Air Exhaust	EX	2.5	7235	0814	1252	278	695	8.5/100	<0.01	
43	Inside containment #2	IE	2.5	7230	1030	1250	150	375	void	—	Has to be Re-cleaned
44	Clean Room	CR	2.5	7238	1031	1250	149	372.5	void	—	Has to be Re-cleaned
45	outside Clean Room	OE	2.5	7149	1031	1249	138	345	8/100	0.01	
46	Containment #1 Final	IEF	12	18	1110	1300	110	1,320	4/100	<0.01	
47	Containment #2 Final	IEF	12	03	1240	1425	105	1,260	void	—	Sample tampered with
	Blank	BLK	—	—	—	—	—	—	1/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:
	Samples for the #2 containment were elevated (#43, 44 + 45). possibly due to the contractor working in an adjacent access hole while sampling was being performed. the containment will be re-cleaned and another final clearance sample taken. Sample #47 (Final Clearance) was inadvertantly unplugged by workers, rendering it void.

SAMPLES TAKEN BY: C. Hardison

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE 0700 IH TIME OFF SITE 1500

TOTAL BILLABLE HOURS 8

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) 3

Microscope ID:

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-10-00

Site: 4th fl. computer center **EMI Rep:** C. Hardison

Address: 795 17th st., N.W. **EMI Job No:** 80158

Client Contact: Glen Green **Client Phone:** 202-565-0097

0795 - Arrived on site and advised the Southern Insulation Abatement Supervisor Mr. Pete Ruel that the containment #2 from yesterday needs to be re-fine cleaned in both the work area and the clean room.

0745 - Containment #1 located between unit #3 A-7-3 and unit #3 A-7-5 is in place and ready for inspection.

0750 - permission is given to proceed in containment #1 after deficiencies have been corrected.

0800 - placed air samples in containment #1 at the following locations:

Sample # 49 inside containment
Sample # 50 clean room
Sample # 51 outside clean room
Sample # 50 Negative air exhaust

0830 - Southern Insulation was given permission to store double-bagged waste on site for weekly removal. Computer center supervisor has requested that waste be removed every two days and Southern will comply.

0845 - Starting the second final clearance sample for the containment #2 that had elevated fiber counts and an un-plugged final clearance sample on 08-09-00. (Sample #53)

Signature of EMI Representative On Site: C. Hardison **Date:** 08-10-00

Enviro-Management, Inc.

DAILY LOG

Project: N EOB **Date:** 08-10-00

Site: 4th fl. computer center **EMI Rep:** C. Hardison

Address: 725 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

0930 - Containment at unit 2, A-7-3 has been fine cleened and encapsulated.

1040 - Collected final clearance sample #58 from Recleaned containment. Analytical Results are <0.01 f/cc which indicates that the containment can safely be dismantled. Permission is given to Remove the containment.

1130 - Started samples in containment #2, located at unit 3, A-7-5.

Sample #54 inside containment

Sample #55 Clean Room

Sample #56 outside clean Room.

1130 - Started final clearance air sample at unit 2, A-7-3.

1310 - Collected samples 54, 55 + 56 for analysis.

1230 - Started final clearance sample in containment #2 at unit 3, A-7-5. (Sample # 59)

1415 - Collected sample #59 for analysis and the result of <0.01 indicates that the containment can be safely dismantled.

1427 - Final clearance microscopic result of <0.01 f/cc indicate that the containment can safely be dismantled.

1430 - Departed site

Signature of EMI Representative On Site: C Hardison **Date:** 08-10-00

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 4½ Fl. Computer Center

LOCATION: 4½ Fl. Computer Center Date: 08-10-00

Removal Contractor: Southern Insulation Time Started: 0725

Monitoring Contractor: E MI Time Stopped: 1430

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	✓	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?		
	b. Soap and Towels?		
	c. Used Each Departure?		
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

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

Report Prepared By: C. Hardison Date: 08-10-00

Enviro-Management,

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. HARDISON	Date: 08-10-00	Contractor: Southern Insulation	
Client: GSA	Client Contact: Galen Green	Contractor Contact: Pete Ruel	
Site: NEOB 4th St. computer ctr	Client Phone: 202-565-0097	Contractor Phone:	
Site Address: 725 17th St., N.W. WASH. D C	Client Address:	Sampling & Analytical Method:	
		On Site ____ Lab ____	
Job No.: 80158	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.		

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
49	Containment at unit 2, A-7-3	IE	2.5	7937	0800	1055	175	437.5	VOID	—	Excessive Debris
50	clean Room	CR	2.5	7149	0800	1057	177	442.5	8/100	<0.01	
51	outside clean Room	OE	2.5	7938	0802	1100	178	445	6.5/100	<0.01	
52	negative air exhaust	EX	2.5	7128	0805	1335	330	825	4/100	<0.01	
53	Final clearance (Re-test)	IEF	12	03	0845	1040	115	1380	5/100	<0.01	
54	inside containment	IE	2.5	7938	1125	1310	105	262.5	VOID	—	Excessive Debris
55	clean Room	CR	2.5	7149	1125	1320	115	287.5	15/100	0.02	
56	outside clean Room	OE	2.5	7937	1127	1323	116	290	5/100	<0.01	
57	final clearance unit 2, A-7-3	IEF	12	18	1130	1315	105	1260	3.5/100	<0.01	containment #1
58	BLANK	BLK								<0.01	
59	final clearance @ unit 3, A-2-5	IEF	12	03	1230	1415	105	1260	5/100	<0.01	containment #2

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hardison

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE 0725 IH TIME OFF SITE 1430

TOTAL BILLABLE HOURS 7

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) 5

Microscope ID:

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-11-00

Site: 4th St. computer Center **EMI Rep:** C Hardison

Address: 795 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0079

0700- Arrived on site and met with southern Insulation supervisor, pete Ruel and advised him that containment #2 from the previous day can be dismantled.

0725- Containment #1, 4-7-4 is Ready for inspection before proceeding.

0730- inspection of containment #1 is complete and permission is given to proceed.

0730- placed air sampling pumps in the following location for containment #1.
Sample #60 - inside containment
Sample #61 — Clean Room
Sample #62 - outside clean Room
Sample #63 - negative air Exhaust

0755- Containment #02 is being placed in the NE corner to the right of unit 4-7-6.

0845- Containment # 1 has been inspected and encapsulated. ~~Ready~~

0900 — Containment #2 is Ready and the crew is preparing to proceed.

0905- Sampling pumps have been placed in containment #2 at the following locations:
Sample # 64 inside Containment
Sample # 65 Clean Room
Sample # 66 outside clean Room
Sample # 67 negative air Exhaust.

Signature of EMI Representative On Site: C. Hardison **Date:** 08-11-00

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-11-00

Site: 4th Fl. Computer Center **EMI Rep:** C. Hardison

Address: 725 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

0910 - Started final clearance sample # 68 in containment #1

0930 - Ms. from the Tape Recovery project complained of a grey dust settling on computer equipment. In the area where the complaint originated, technicians are moving equipment into and out of the area. Boxes are being opened and closed and sections of the raised floor are being moved to accomodate scheduled work. Add to that ten to fifteen people moving about the complaint area and there are a multitude of dust creation factors... none of which have dust controls but the Southern Insulation crew. Critical installed

0945 - Collected an air sample in the tape Recovery project section. Sample #69

1030 - picked up sample #69 for analysis

1110 - Collected final clearance sample #68 from containment #1 for analysis.

1130 - Final analysis results for containment #1 is <0.01 f/cc and the abatement supervisor is given permission to dismantle the containment.

1015 - Collected samples in containment #3 for analysis. — 64, 65, 66 + 67.

1005 - Started the following samples in containment #3
sample # 70 inside containment

1002 - Started final clearance sample #74 in containment #3.

Signature of EMI Representative On Site: C. Hardison **Date:** 08-11-00

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: GSA
Site Name: NEOB
Site Address: 725 17th St, N.W.

Client Contact: Galen Green

Date: 08-11-00
Staff: C Hardison
Title:
Job Number: 80158
Client Phone:

Summary of Daily Events:

Sample #71 - Clean Room
Sample #72 - outside Clean Room
Sample #73 - negative Air Exhaust
1245 - Work is complete in containment #3 and permission is given to encapsulate after a visual inspection revealed no descrepancies
1300 - Southern Insulation has begun bagging out the weeks double bagged debris that has been stored on site. Bags must be removed every two days in the future.
1335 - Bags are at the loading dock but the transport vehicle has not arrived on site.
1340 - Instructed an abatement worker to secure the critical barrier that seperates the tape recovery project from the perimeter wall.
1400 - Collected Samples 70, 71, 72 + 73 from containment #3 for analysis.
1408 - Collected Sample #74 from containment #3 for analysis and the analytical result of <0.01 f/cc indicates that the containment can safely be dismantled.
1425 - Bagout is complete and Southern Insulation has departed the site.
1510 - Depart Site

Signature of Client/Site Contact: _____ Date: _____

Signature of Representative On Site: C Hardison Date: 08-11-00

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 4th Fl. Computer Center

LOCATION: 725 17th St., N.W. Date: 08-11-00

Removal Contractor: Southern Insulation Time Started: 0700

Monitoring Contractor: EMI Time Stopped: 1510

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	✓	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?		
	b. Soap and Towels?		
	c. Used Each Departure?		
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

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

Report Prepared By: C. Hardson Date: 08-11-00

Enviro-Management,

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. HARdison	Date: 08-11-00	Contractor: Southern Insulation	
Client: GSA	Client Contact: Galen Green	Contractor Contact: Pete Ruel	
Site: NEOB 4th Fl. comp. cntr.	Client Phone: 202-565-0097	Contractor Phone:	
Site Address: 795 17th St., N.W. Washington, DC	Client Address:	Sampling & Analytical Method:	
		On Site ____ Lab ____	
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.		

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
60	Containment #1 Unit 4	IE	2.5	7938	0738	0915	104	260	40.5/100	0.07	
61	Clean Room	CR	2.5	7128	0738	0915	104	260	7/100	0.01	
62	outside Clean Room	OE	2.5	7132	0733	0917	104	260	1/100	0.01	
63	negative Air Exhaust	EX	2.5	7105	0735	1130	235	562.5	9/100	<0.01	
64	containment #2, A-2-6	IE	2.5	7935	0905	1215	170	425	VOID		
65	Clean Room	CR	2.5	7934	905	1215	170	425	<0.01	<0.01	
66	outside Clean Room	OE	2.5	7937	0907	1217	190	475	0.01	<0.01	
67	Negative Air Exhaust	EX	2.5	7972	0909	1285	196	490	<0.01	<0.01	
68	Final containment #1	IEF	12	18	0810	1110	120	1440	<0.01	<0.01	
69	Area Sample	AREA	2.5	~~7105~~	0945	1215	150	375		<0.01	
70	Containment #3	IE	2.5	7132	1205	1420	135	337.5	VOID		
71	Clean Room	CR	2.5	7938	1205	1420	135	337.5	6.5/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hardison	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

Enviro-Management,

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Hardison	Date: 08-11-00	Contractor: Southern Insulation
Client: GSA	Client Contact: Gator Green	Contractor Contact: Pete Ruel
Site: N Ext 4th St comp ctr	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St., NW Wash. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
72	outside clean Room	OE	2.5	7105	1208	1422	134	335	10/100	<0.01	
73	Negative AIR Exhaust	EX	2.5	7128	1212	1425	133	332.5	3.5/100	<0.01	
74	Final containment #2	EIF	12	03	1208	1408	120	1440	4.5/100	<0.01	
75	BLANK									<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hardison	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-12-00

Site: 4th fl. computer center **EMI Rep:** C. Hardison

Address: 725 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

0700 - Arrived on site and met with MR the ~~[illegible]~~ White House Rep.

0705 - Started Background sample in the Tape Recovery project area. Sample # 76

0710 - Started Background sample #77 in the SE corner of the main room 10' from unit 2, A-7-3.

> Containment #1 is being constructed to the right of unit A-7-7 in the Tape Recovery section. (Access Holes)

> Containment #2 is being constructed to the left of unit A-7-7 to cut 3 access holes.

0825 - Started samples at containment #1 in the following locations

Sample #78 inside containment

Sample #79 Clean Room

Sample #80 outside Clean Room

Sample #81 negative air exhaust

0925 - Collected Background samples #76 + #77 for analysis.

0928 - Crew began cutting access holes in containment #1.

0950 - the initial cuts have been made and the crew is wetting down the area.

1030 - Containment #2, ~~[illegible]~~ is ready for

Signature of EMI Representative On Site: C. Hardison **Date:** 08-12-00

Enviro-Management, Inc.

DAILY LOG

Project: NEOB

Date: 08-12-00

Site: 4th St. Computer Center

EMI Rep: C. Hardison

Address: 785 17th St., NW

EMI Job No: 80158

Client Contact: Galen Green

Client Phone: 202-565-0097

inspection.

1040- upon inspection of containment #2 several deficiencies were found and corrected permission is given to proceed

1040- pumps are placed at the following locations of containment #2

Sample # 82 Inside work area
Sample # 83 Clean Room
Sample # 84 outside the clean Room
Sample # 85 negative air Exhaust

1910- collected samples from containment #1 sample # 78, 79, 80 + 81 for analysis

1920- collected air samples from containment #2 for analysis (# 82, 83, 84 + 85)

1925- started final clearance samples in containment #86

1928- started final clearance sample in containment #2 #87

1410- collected final clearance sample from containment #1

1415- collected fina clearance sample from containment #2

1430- final clearance results of samples # 86 + 87 indicate that the containments can be safely dismantled

1440- gave permis

Signature of EMI Representative On Site: C. Hardison

Date: 08-12-00

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 4th Fl. computer Center

LOCATION: ~~[illegible]~~ 17th St., N.W. Date: 08-19-00

Removal Contractor: Southern Insulation Time Started: 0700

Monitoring Contractor: EMI Time Stopped: 1500

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	✓	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?		
	b. Soap and Towels?		
	c. Used Each Departure?		
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

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

Report Prepared By: C. Harlow Date: 08-12-00

Enviro-Management

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Hardison	Date: 08-12-00	Contractor: Southern Insulation
Client: GSA	Client Contact: Galen Green	Contractor Contact: Pete Ruel
Site: NEOB 4th Fl. comp. cntr.	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St., NW Wash. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
76	Tape Recovery Project	pRe	12	03	0705	0925	140	1680	10.5/100	<0.01	
77	S.E. corner at unit 2, A-7-3	pRe	12	18	0718	0927	129	1548	4/100	<0.01	
78	inside containment #1	IE	2.5	7235	0725	1040	315	787.5	55/100	0.03	
79	Clean Room	CR	2.5	7237	0725	1040	315	787.5	40/100	0.02	
80	outside clean Room	OE	2.5	7272	0725	1044	319	797.5	24/100	0.01	
81	Negative Air Exhaust	EX	2.5	7128	0728	1048	320	800	22.5/100	0.01	
82	Inside containment #2	IE	2.5	7153	0940	1220	160	400	94/100	0.1	
83	Clean Room	CR	2.5	7132	0940	1220	160	400	23/100	0.02	
84	outside clean Room	OE	2.5	7234	0943	1224	160	400	13/100	0.01	
85	Negative Air Exhaust	EX	2.5	7236	0947	1225	168	395	10.5/100	0.01	
86	final clearance #1	IEF	12	18	1220	1410	110	1320	10/100	<0.01	
87	containment #2 final	IEF	12	03	1228	1415	107	1284	12.5/100	<0.01	
88	BLANK	BLK	—	—	—	—	—	—	—	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hardison

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-14-00

Site: 4th Fl. Computer Center **EMI Rep:** C. Hardison

Address: 225 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

0700 - Arrived on site and met with Mr Pete Ruel, (Supervisor for Southern Insulation) and discussed his plans for the week.

> Containment #1 is being placed in the corner adjacent to the library and behind the IBM S/390 unit.

0715 - Started background sample in the library where containment #2 is being placed (Sample #89)

0730 - Containment #1 is in place and has passed visual inspection. Permission is given to begin abatement

0800 - Sample have been placed at the following locations for containment #1

- Sample #90 inside containment
  Sample #91 Clean Room
  Sample #92 outside Clean Room
  Sample #93 At negative Air Exhaust

0900 - Collected Background sample from library Sample #89

0930 - Started Background sample in Room #419 Sample #94

0935 - Containment #1 is being fine cleaned after the debris has been removed.

0945 - Containment #1 has passed visual inspection and permission is given to encapsulate.

0957 - Encapsulation is complete and the crew breaks for lunch.

Signature of EMI Representative On Site: Curtis Hardison **Date:** 08-14-00

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-14-00

Site: 4th St. computer center **EMI Rep:** C. Hardison

Address: 725 17th St., NW. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

1000 - Containment #2 (Library) has been inspected and permission is given to proceed

1045 - Air samples have been placed in Containment #2 in the following locations:

Sample #95 inside containment
Sample #96 Clean Room
Sample #97 outside clean Room
Sample #98 at negative air exhaust

1103 - collected samples 90, 91, 92 + 93 from containment #1 for analysis

1105 - Started final clearance sample #99 in Containment #1

1115 - collected background sample #94 from Room #413 for analysis.

1130 - collected samples #95, 96, 97 + 98 for analysis.

1139 - started final clearance sample #100 in Library containment #2

1250 - Collected final clearance sample #99 for analysis from Containment #1

1315 - final clearance results for containment #1 revealed a level of <0.01 which indicates that the containment can be safely dismantled. Permission is given to dismantle containment #1

Signature of EMI Representative On Site: C. Hardison **Date:** 08-14-00

Enviro-Management, Inc.

DAILY LOG

Project: NEOB

Date: 08-14-00

Site: 4th Fl. Computer Center

EMI Rep: C. Hardison

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

EMI Job No: 80158

Client Contact: Galen Green

Client Phone: 202-565-0077

1415 - Collected final clearance sample from containment #2 (library) and analyzed. The analytical results of <0.01 f/cc indicates that the containment can safely be dismantled.

1430 - Southern Insulation has departed the site and will dismantle containment on 08-15-00

Signature of EMI Representative On Site: C. Hardison

Date: 08-14-00

GSA ASBESTOS A[illegible]MENT MONITORING CHECKLIST

Building: NEOB Project: 4th fl. computer center

LOCATION: 725 17th ST., N.W. Date: 08-14-00

Removal Contractor: Southern Time Started: 0700

Monitoring Contractor: EMI Time Stopped: 1430

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	✓	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Check	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?	N/A	
	b. Soap and Towels?	N/A	
	c. Used Each Departure?	N/A	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

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

Report Prepared By: C Hanks Date: 08-14-00

Enviro-Management,

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Hardison	Date: 08-14-00	Contractor: Southern Insulation
Client: GSA	Client Contact: Galen Green	Contractor Contact: Pete Ruel
Site: NEB 4th A. Comp. ctr.	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St, N.W. Wash. DC	Client Address:	Sampling & Analytical Method: ____
		On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
89	Background, library	pre	12	03	0715	0920	125	1500	6/100	<0.01	
90	Inside containment #1	IE	2.5	7105	0803	1103	153	382.5	void		Excessive Debris
91	Clean Room	CR	2.5	7128	0830	1103	153	382.5	6.5/100	<0.01	
92	outside clean Room	OE	2.5	7934	0833	1107	164	410	6/100	<0.01	
93	negative Air Exhaust	EX	2.5	7935	0835	1110	155	387.5	7/100	<0.01	
94	Room 4219	PRE	12	18	0830	1115	165	1980	10/100	<0.01	
95	Inside containment #2	IE	2.5	7153	0945	1930	165	412.5	38.5/100	0.09	
96	Clean Room	CR	2.5	7132	0945	1930	165	412.5	9.5/100	0.01	
97	outside clean Room	OE	2.5	7972	0947	1931	164	410	6.5/100	<0.01	
98	negative Air Exhaust	EX	2.5	7150	0950	1935	165	412.5	3/100	<0.01	
99	Final, containment #1	IEF	12	03		1250	105	1260	7/100	<0.01	
100	Final containment #2	IEF	12	18		1450	108	1294	8.5/100	<0.01	
101	BLANK									<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY:	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-15-00

Site: 4th Fl. Computer Center **EMI Rep:** C. Hardison

Address: 795 17th St., NW **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

0700 - Arrived on site. Southern Insulation is on-site and preparing two containments.
- Started samples in containment #1 at unit A-7-11.
Sample #102 inside containment
Sample #103 clean room
Sample #104 outside clean room
Sample #105 negative air exhaust

0705 - permission is given to begin cutting access holes in containment #1

0910 - Containment #1 is ready for visual inspection after access holes have been cut and the containment work area has been fine cleaned.

0915 - permission is given to encapsulate after the visual inspection found no deficiencies

0980 - Started background sample in printer room. Sample #106

0940 - Started background sample in the console area. Sample #107

1107 - Started final clearance sample in containment at A-7-11.

1120 - Southern Insulation is placing a containment on the west wall of the console area.

1130 - Collected background sample from containment at A-7-11.

Signature of EMI Representative On Site: C. Hardison **Date:** 08-15-00

Enviro-Management, Inc.

DAILY LOG

Project: NEOB

Date: 08-15-00

Site: VA St. Computer Center

EMI Rep: C. Hardison

Address: 725 17th St., NW

EMI Job No: 80158

Client Contact: Galen Green

Client Phone: 202-565-0097

1255 - Collected final clearance sample from the containment at A-7-11

~~1255 - Collected~~

> microscopic results of <0.01 f/cc indicate that the containment can be safely dismantled. permission is given to dismantle the containment.

1335 - Departed site

Signature of EMI Representative On Site: C. Hardison

Date: 08-15-00

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 4th fl. computer Room

LOCATION: 795 17th St., N.W. Date: 08-15-00

Removal Contractor: Southern Insulation Time Started: 0700

Monitoring Contractor: EMI Time Stopped: 1335

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	N/A	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?	N/A	
	b. Soap and Towels?	N/A	
	c. Used Each Departure?	N/A	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

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

Report Prepared By: C Hardin Date: 08-15-00

Enviro-Management

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Harrison	Date: 08-15-00	Contractor: Southern Insulation
Client: GSA	Client Contact: Galen Green	Contractor Contact: pete Ruel
Site: NEOB computer center	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St, NW Wash. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.: 80158	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
102	inside containment A-711	IE	2.5	47	0730	1107	217	542.5	VOID		
103	Clean Room	CR	2.5	37	0730	1107	217	542.5	22.5/100	0.02	
104	outside clean Room	OE	2.5	09	0732	1111	219	547.5	7/100	<0.01	
105	Negative Air Exhaust	EX	2.5	01	0732	1109	217	542.5	3.5/100	<0.01	
106	printer Room	PRe	12	03	0940	1105	105	1260	5.5/100	<0.01	
107	Console Area	PRe	12	18	0940	1130	110	1320	7.5/100	<0.01	
108	Containment At A-7-11	IEF	12	03	1107	1255	108	1296	6.5/100	<0.01	1107-1255 — 1296
109	BLANK	BLK								<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:
	25 Bags carried away from site today

SAMPLES TAKEN BY:	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

Enviro-Management, Inc.

DAILY LOG

Project: NEOB 4th Fl. Computer Ctr **Date:** 08-16-00

Site: 4th Fl. Computer Center **EMI Rep:** C. Hardison

Address: 725 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0079

0200- Arrived on site and inspected containment on the west wall of the console section.

0715- the plumbing contractor is vacuuming a spill from beneath the raised floor of a red liquid. (spill or leak)

0730 - Discovered several breeches of the containment and the abatement crew is sealing the breeches.

0745- Started samples at the containment in the following locations:

Sample #109 inside containment
Sample #110 clean room
Sample #111 outside clean room
Sample #112 negative air exhaust
Sample #113 outside containment at the south end.

0800- waiting for the smoke alarm detectors to be disabled before cutting the metal lathe. (four access holes in this containment)

0802 - Crew is placing a containment in Room # while waiting for the smoke detectors to be disabled

0830 - Smoke detectors have been disabled and the abatement workers are preparing to enter the containment

>-one person from the abatement

Signature of EMI Representative On Site: C. Hard Date: 08-16-00

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-16-00

Site: 4th Floor Computer Center **EMI Rep:** C. Hardison

Address: 225 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

Crew has been posted on the 3rd floor to watch for falling sparks & embers as the cutting proceeds.

0955 - fine cleaning of the containment is in progress

1040 - Started final clearance sample #114 in the console section containment

1230 - Collected samples from west wall containment for analysis.
Samples #109, 110, 111, 112 + 113.

1410 - Collected final clearance sample for analysis.

1485 - Final clearance results of <0.01 f/cc indicates that the containment can safely be dismantled. Southern Insulation will dismantle the containment on 08-17-00

1450 - Departed site

Signature of EMI Representative On Site: C. Hardison **Date:** 08-16-00

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 4th fl. computer center

LOCATION: 725 17th St., N.W. Date: 08-16-00

Removal Contractor: Southern Insulation Time Started: 0700

Monitoring Contractor: EMI Time Stopped: 1450

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	✓	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?		
	b. Soap and Towels?		
	c. Used Each Departure?		
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

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

Report Prepared By: C. Hardin Date: 08-16-00

Enviro-Management,

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Hardison	Date: 08-16-00	Contractor: Southern Insulation
Client: GSA	Client Contact: Galen Green	Contractor Contact: Pete Ruel
Site: ~~[illegible]~~ NEOB 4th fl comp. ctr	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St., NW WASH. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.: 80158	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
109	inside containment	IE	2.5	7268	0745	1212	267	667.5	void		Excessive Debris
110	clean Room	CR	2.5	7149	0745	~~[illegible]~~	269	672.5	<0.01	<0.01	
111	outside clean Room	OE	2.5	7256	0748	1214	266	665	<0.01	<0.01	
112	negative Air Exhaust	EX	2.5	7175	0751	1219	268	670	<0.01	<0.01	
113	outside containment S. End	OE	2.5	7262	0752	1222	270	675	<0.01	<0.01	
114	final clearance	IEF	12	18	1210	1410	120	1,440	0.0008	<0.01	
	Blank	BLK	—	—	—	—	—	—	.5/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY:	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-17-00

Site: 4th Fl. Computer Center **EMI Rep:** C. Hardison

Address: 725 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

0700 - Arrived on site and gave permission to dismantle the containment in the console section based on the final clearance result from 08-16-00 of <0.01 f/cc

0800 - Containment #1 is in place at AHU #2, 4-7-3 and permission is given to proceed.

0815 - Started samples at the following locations for containment #1

Sample #115 inside containment
Sample #116 clean room
Sample #117 outside clean room
Sample #118 at negative air exhaust

0930 - Containment is being fine cleaned

0955 - Containment #1 has been encapsulated.

1045 - Started samples in containment #2 in the server room beside server rack 18.

Sample #119 inside containment
Sample #120 clean room
Sample #121 outside clean room
Sample #122 at negative air exhaust

1050 - Started final clearance sample #123 in containment #1

1230 - Started final clearance sample #124 in containment #2

Signature of EMI Representative On Site: C. Hardison Date: 08-17-00

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-17-00

Site: 4th fl. computer Room **EMI Rep:** C. HARdison

Address: 725 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

1935 - collected samples from containment #2
1930 - started final clearance sample in containment #2
1955 - collected final clearance sample from containment #1 - crew departed at 1400
1420 - collected final clearance sample from containment #2
1455 - microscopic analysis revealed final clearance results from containment #1 & containment #2 at < 0.01 f/cc.
> Containments will be dismantled on 08-18-00.
1510 Departed site.

Signature of EMI Representative On Site: C Hard **Date:** 08-17-00

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 4th Fl. Computer Center

LOCATION: 725 17th St., N.W. Date: 08-17-00

Removal Contractor: Southern Insulation Time Started: 0700

Monitoring Contractor: E MT Time Stopped: 1510

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	✓	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?		
	b. Soap and Towels?	N/A	
	c. Used Each Departure?		
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

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

Report Prepared By: E. Hard Date: 08-17-00

Enviro-Management,
3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Hardison	Date: 08-17-00	Contractor: Southern Insulation
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: NEOB 4th Fl. Computer Ctr	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St., N.W. Wash. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.: ~~[illegible]~~ 80158	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE 4-7-7	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
115	inside containment unit 2	IE	2.5	7268	0815	1135	200	500	84.5/100	0.08	
116	Clean Room	CR	2.5	7256	0815	1135	200	500	18/100	0.01	
117	outside clean Room	OE	2.5	7262	0818	1137	199	497.5	4.5/100	<0.01	
118	negative Air Exhaust	EX	2.5	7175	0822	1140	198	495	2.5/100	<0.01	
119	inside containment #2	IE	2.5		1045	1230	115	287.5	6/100	0.01	
120	Clean Room	CR	2.5		1045	1230	115	287.5	13/100	0.02	
121	outside Clean Room	OE	2.5	7149	1046	1233	107	267.5	5.5/100	0.01	
122	negative Air Exhaust	EX	2.5	7238	1048	1235	107	267.5	4.5/100	<0.01	
123	Started final in #1	EIF	12	18	1050	1255	125	1500	5.5/100	<0.01	
124	Started final #2	EIF	12	03	1230	1420	110	1320	2/100	<0.01	
125	Blank	BLK	—	—	—	—	—	—	1.5/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hardison	IH TIME ON SITE ____ IH TIME OFF SITE ____	Microscope ID: ____
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS ____	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	If No, Readjusted: OK

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-18-00

Site: 4th Fl. Computer Center **EMI Rep:** C. Hardison

Address: 725 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

0730 - Arrived on site and inspected containment #1. After inspection permission was given to proceed at the NW corner of the Room.

0730 - Gave permission to dismantle containment # 8 from 08-17-00.

0745 - Started samples in containment #1 at the following locations:
Sample # 126 inside containment
Sample # 127 Clean Room
Sample # 128 outside Clean Room
Sample # 129 at negative air Exhaust

0915 - permission is given to encapsulate after the visual inspection reveals no descrepancies.

1090 - Collected samples 126, 127, 128 + 129 for analysis

1090 - Started final clearance sample # 130

1910 - Collected final clearance sample # 130

1990 - A result of <0.01 on the final clearance sample indicates that the containment can safely be dismantled

1230 - permission is given to dismantle the containment.

1300 - Departed site.

Signature of EMI Representative On Site: C. Hard **Date:** 08-18-00

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 4th Fl. Computer Center

LOCATION: 295 17th St., N.W. Date: 08-18-00

Removal Contractor: Southern Insulation Time Started: 0700

Monitoring Contractor: _____ Time Stopped: 1300

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	✓	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?		
	b. Soap and Towels?		
	c. Used Each Departure?	N/A	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

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

Report Prepared By: C. Hard Date: 08-18-00

Enviro-Management,

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. HARDISON	Date: 08-18-00	Contractor: Southern Insulation	
Client: GSA	Client Contact: Galen Green	Contractor Contact:	
Site: NEOB 4th Fl comp. ctr.	Client Phone:	Contractor Phone:	
Site Address: 725 17th St., NW WASH-DC	Client Address:	Sampling & Analytical Method:	
		On Site ____ Lab ____	
Job No.: 80158	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.		

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
126	Containment #1	IE	2.5	7262	0745	1080	155	387.5	11/100	<0.01	
127	"	CR	2.5	7275	0745	1080	155	387.5	5.5/100	<0.01	
128	"	OE	2.5	7256	0748	1080	152	380	4.5/100	<0.01	
129	"	EX	2.5	7175	0753	1080	147	367.5	5.5/100	<0.01	
130	Final clearance	IEF	12	18	1022	1210	110	1320	3/100	<0.01	
131	Blank	BLK	—	—	—	—	—	—	/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:
	20 Bags of Debris are Removed from the site

SAMPLES TAKEN BY: C Hardison	IH TIME ON SITE 0720 IH TIME OFF SITE 1300	Microscope ID:
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS 6.5	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) 2	If No, Readjusted: OK

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-19-00

Site: 4th Fl. computer center **EMI Rep:** C. Hardison

Address: 725 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

0700 - Arrived on site. Southern Insulation is on site with a two man crew.
0715 - Started Background Sample #132 in the network operations center.
0740 - Collected Background sample from the network operations center sample #132
1015 - Inspected containment and gave permission to proceed.
1200 - Access Holes Have been cut and the containment has passed the final visual inspection. permission is given to encapsulate.
1315 - Final clearance sample #138 is started
1503 - Collected final clearance sample #138 for PCM analysis.
1515 - Final clearance Results of <0.01 f/cc Meets the OSHA criteria for Reoccupancy after abatement and permission is given to dismantle the containment.
1610 - Departed site.

Signature of EMI Representative On Site: _____ **Date:** _____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 4th Fl. Computer Center

LOCATION: 725 17th St., N.W. Date: 08-19-00

Removal Contractor: Southern Insulation Time Started: 0700

Monitoring Contractor: EMI Time Stopped: 1315

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	✓	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?		
	b. Soap and Towels?	N/A	
	c. Used Each Departure?		
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

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

Report Prepared By: C. Hand Date: 08-19-04

Enviro-Management

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Hardison	Date: 08-19-00	Contractor: Southern Insulation
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: ~ EOB ~~[illegible]~~ Comp Ctr	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St, NW Wash. DC	Client Address: 725 17th St, NW Wash. DC	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
132	network operations ctr	pRe	12	18	0705	0840	155	1,860	17.5	<0.01	
133	inside containment	IE	2.5	7255	0945	1310	205	512.5	225/100	0.02	7275
134	clean Room	CR	2.5	7256	0945	1310	205	512.5	5/100	<0.01	
135	outside clean Room	OE	2.5	7262	0947	1313	206	515	3.5/100	<0.01	
136	negative air Exhaust	OE	2.5	7175	0949	1315	206	515	3/100	<0.01	
137	~~[illegible]~~ Entrance to Room	OE	2.5	7237	0952	1322	210	525	5.5/100	<0.01	
138	final clearance	IEF	12	18	1315	1503	132	1584	5/100	<0.01	
139	Blank	BLK	—	—	—	—	—	—	—	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hard

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE 0700 IH TIME OFF SITE 1315

TOTAL BILLABLE HOURS 6

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) 4

Microscope ID:

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-21-00

Site: 4th fl. computer center **EMI Rep:** C. Hardison

Address: 785 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

0700- Arrived on site and met with Southern Insulation Supervisor Pete Ruel. Containments are being placed in two locations today SW corner of the console area and the library at the entry ramp. The abatement crew is one person short today.

0810- Started background sample in the library #140

0900- Inspected both containments and found no deficiencies. Permission is given to begin cutting access holes in containment #2 in the library.

0905- Started samples in the following locations:
Sample #141 inside containment #2
Sample #142 clean room
Sample #143 outside clean room
Sample #144 negative air exhaust

0942- Collected sample #140 for analysis

1030- Since cleaning is occurring in containment #2 - (library) [illegible]

1100- Started samples in containment #1 (console area) in the following locations:
Sample #145 inside containment
Sample #146 clean room
Sample #147 outside clean room
Sample #148 negative air exhaust

Signature of EMI Representative On Site: C. Hard Date: 08-21-00

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-21-00

Site: 4th fl. computer center **EMI Rep:** C. Hardison

Address: 725 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

1130 - collected samples 141, 142, 143 & 144 from library containment for analysis.

1215 - Collected samples 145, 146, 147 & 148 from console ~~center~~ area for analysis

1205 - started final clearance samples containments #1 & #2

1400 - collected final clearance samples from the console area and the ramp library for analysis.

1430 - final clearance results of <0.01 f/cc in containment #1 and in containment #2 indicate that they can both be safely dismantled. they will be dismantled on 08-22-00

1445 - Departed site

Signature of EMI Representative On Site: C. Hard **Date:** 08-21-00

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 4th Fl. Computer Center

LOCATION: 795 17th St., NW Date: 08-21-00

Removal Contractor: Southern Insulation Time Started: 0700

Monitoring Contractor: EMI Time Stopped: 1445

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	✓	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?		
	b. Soap and Towels?	N/A	
	c. Used Each Departure?		
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

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

Report Prepared By: C. Hard Date: 08-21-00

Enviro-Management,
3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. HARDISON	Date: 08-21-00	Contractor: Southern Insulation
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: NEOB 4th Fl. Computer Center	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St., N.W. Wash. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.: 80158	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
140	Tape library	PRE	12	18	0800	0848	108	1284	8/100	<0.01	
141	inside containment #2	IE	2.5	7188	0905	1130	145	362.5	10.5/100	0.01	
142	clean Room	CR	2.5	7153	0905	1130	145	362.5	10/100	0.01	
143	outside clean Room	OE	2.5	7171	0908	1132	144	360	6/100	<0.01	
144	negative air Exhaust	EX	2.5	7175	0908	1135	147	367.5	4.5/100	<0.01	
145	inside containment #1	IE	2.5	7136	1100	1215	75	187.5	3.5/100	<0.01	
146	clean Room	CR	2.5	7132	1100	1215	75	187.5	4/100	<0.01	
147	outside clean Room	OE	2.5	7105	1105	1218	73	182.5	6.5/100	<0.01	
148	negative air Exhaust	EX	2.5	7172	1106	1220	74	185	3.5/100	<0.01	
149	final library containment	IEF	12	03	1150	1350	120	1440	4/100	<0.01	
150	final conside area containment	IEF	12	18	1205	1352	107	1284	5.5/100	<0.01	
151	Blank	BLK	—	—	—	—	—	—	.5/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hardison

RELINQUISHED BY: (DATE/TIME)

RECEIVED BY:

IH TIME ON SITE 0700 IH TIME OFF SITE 1445

TOTAL BILLABLE HOURS 7.5

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) 12

Microscope ID:

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-Management, Inc.

DAILY LOG

Project: NEOB **Date:** 08-22-00

Site: 4th Fl. Computer center **EMI Rep:** C. Hardison

Address: 725 17th St., N.W. **EMI Job No:** 80158

Client Contact: Galen Green **Client Phone:** 202-565-0097

0720 - Arrived on site and met with the Southern Insulation Supervisor, Mr. Pete Ruel to review today's planned activities. The final containment for the computer center is being constructed in the I/O Room. The final three access panel openings will be cut today.

0900 - Containment in the I/O Room is ready for the crew to begin cutting after the inspection revealed no deficiencies.

0915 - Started samples in the following locations:
Sample # 152 - inside containment
Sample # 153 - clean room
Sample # 154 - outside clean room
Sample # 155 - negative air exhaust

1100 - Containment is being fine cleaned

1115 - Final visual inspection of the containment is complete and approval is given to encapsulate.

1135 - Started final clearance air sample #156 in the containment in ~~Room~~ the I/O Room

1145 - Collected samples 152, 153, 154 & 155 for PCM analysis.

1300 - Collected final clearance sample for analysis

1400 - Departed site

Signature of EMI Representative On Site: C. Hardison Date: 08-22-00

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 3rd Floor

LOCATION: 725 17th St., N.W. Date: 03-22-00

Removal Contractor: Hillian Time Started: 0630

Monitoring Contractor: EMI Time Stopped: 1830

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	N/A	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. ~~NOT in use.~~	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?	N/A	
	b. Soap and Towels?	N/A	
	c. Used Each Departure?	N/A	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

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

Report Prepared By: C. Harden Date: 09-22-00

Enviro-Management,

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Hardison	Date: 08-22-00	Contractor: Southern Insulation
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: 4th FL Computer Center	Client Phone: 202-565-0097	Contractor Phone:
Site Address: 725 17th St., NW Wash. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.: 80158	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
152	inside containment	IE	2.5	47	0915	1145					
153	clean Room	CR	2.5	7871	0915	1145					
154	outside clean Room	OE	2.5	7128	0917	1149					
155	negative air Exhaust	EX	2.5	7175	0920	1152					
156	final clearance	IEF	12	03	1215	1320					
157	BLANK	BLK									

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hard	IH TIME ON SITE 0920 IH TIME OFF SITE 2.5	Microscope ID:
RELINQUISHED BY: (DATE/TIME)	TOTAL BILLABLE HOURS	Phase Rings Concentric: Yes No
RECEIVED BY:	TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) 6	If No, Readjusted: OK

GSA National Capital Region - Public Buildings Service
Safety, Environment & Fire Protection Branch (WPYG)

SEPTEMBER 27, 2000

MEMORANDUM TO: KERRY BONOS
WHITE HOUSE SDT (WPW)

FROM: TIM SLEETH, INDUSTRIAL HYGIENIST
SAFETY, ENVIRONMENTAL AND FIRE PROTECTION BRANCH (WPYG)

SUBJECT: NEW EXECUTIVE OFFICE BUILDING
THIRD FLOOR
725 17TH ST., NW
WASHINGTON, DC

PROJECT: ASBESTOS ABATEMENT MONITORING

From July 19th through August 5th, 2000, SaLUT, Inc. monitored the abatement of known asbestos-containing materials (ACMs) from the New Executive Office Building, located at 725 17th St., NW, Washington, DC. Abatement operations consisted of the removal of asbestos containing sprayed on fireproofing from the deck of the 3rd floor. The asbestos abatement is still in progress and will be taking place in phases. The total estimated amount of sprayed on fireproofing to be removed is 18,000 square feet.

Asbestos abatement activities were conducted within a negative pressure enclosure with an attached three-stage decontamination unit. Additionally, wet methods and HEPA (High Efficiency Particulate Air) vacuums were utilized during abatement operations to control fiber release. During asbestos abatement operation workers utilized protective clothing and half-face HEPA respirators.

Air monitoring samples were collected and analyzed on site by Phase Contrast Microscopy (PCM), NIOSH 7400 Method. Three of the samples collected outside the work area yielded results greater then Reoccupancy Standard of 0.01 fibers/cc. The three samples were then analyzed by Transmission Electron Microscopy (TEM) and yielded results less then the clearance standard of 70 s/mm^2 (structures per square millimeter).

Eight (8) final clearance air samples were collected and analyzed by TEM. The final air clearance samples yielded less then the AHERA (Asbestos Hazard Emergency Reauthorization Act) clearance standard of 70 s/mm^2.

Please note that suspect and known ACMs may still exist within these areas of the New Executive Office Building, such ACMs may be found within walls, behind mechanical equipment within the mechanical rooms and interstitial ceiling space, or other areas that were not accessible at the time of the renovations.

Should you have any questions please contact me at (202) 708-5257.

DC010522
1572
T.S./WPYG 10/5/00
cc: WPW

SaLUT

Soil and Land Use Technology, Inc.

11609 Edmonston Road, Beltsville, Maryland 20705

Telephone: (301) 595-3783
Fax: (301) 595-3787

August 9, 2000

General Services Adm., NCR
Safety & Environmental Management Division
7th & D Streets, SW, Room 2080
Washington, D.C.
ATTENTION: Ms. Normajean Eleazer

Re: New Executive Office Building – 3rd Floor
Order No.: P1100DC0332
Act No.: P02640714
SaLUT Job #: 00-189

Dear Ms. Eleazer:

Pursuant to your request, Soil and Land Use Technology, Inc. (SaLUT) monitored asbestos abatement activities at the New Executive Office Building, 3rd floor, 725 17th Street, NW, Washington, DC. SaLUT's industrial hygienists, Mr. Ousman Auber, Mr. Ousman Jobe, Ms. Ishani Mellawa, Mr. Tijan N'Jie and Ms. Joyce Walker, performed all air monitoring and inspections from July 19 through August 5, 2000. The abatement contractor on site was EDS.

The scope of SaLUT's work included technical monitoring during the removal of approximately 18,000 square feet of asbestos containing sprayed on fireproofing from the deck of the third floor. The removal is still in progress and taking place in phases. During this time period, two containments, located on the East Side of the building, were abated and cleared for re-occupancy.

EDS performed all removal within a negative pressure enclosure with a three-stage decontamination chamber attached. Decontamination of lights and ceiling tiles occurred before the fireproofing abatement proceeded. Removal methods included wetting the material, scraping and HEPA vacuuming to control fiber release. During all asbestos related activities, workers wore protective clothing and half-face HEPA air purifying respirators.

Upon completion, SaLUT performed a visual inspection of the work areas to insure the area was free from visible debris. After a penetrating encapsulant was applied to all surfaces and allowed to dry, aggressive final clearance air sample collection occurred. Totals of eight (8) final clearance samples were submitted to AMA Analytical Services, Inc. and were analyzed by Transmission Electron Microscopy (TEM). All results yielded less than 70 structures per square millimeter, the level for occupancy as stated in the EPA guidance publications. Final clearance was achieved on July 23, 2000 and August 5, 2000.

Air samples were collected inside and outside the work area during removal and analyzed on site by Phase Contrast Microscopy, NIOSH Method 7400.

On July 20, 2000, two of the samples collected outside the containment yielded results, which were greater than the occupancy level of <0.01 fibers per cubic centimeter (f/cc). These samples were submitted to AMA Analytical Services, Inc. for analysis by TEM. TEM analysis quantifies the amount of

asbestos structures, unlike PCM, which includes all fibers. Both TEM samples yielded in the occupancy level of less than 70 structures per square millimeter.

On July 22, 2000, a sample was collected in the corridor near Room 3015. PCM analysis of the sample yielded in 0.04 f/cc, which may have been caused by work being performed by another contractor within vicinity of the containment. Although results yielded below the permissible exposure level of 0.10 f/cc, SaLUT's industrial hygienist instructed the nearby contractor to cease their activities near the sampling areas. EDS cleaned the corridor and SaLUT collected another air sample. This sample yielded in <0.01 f/cc, the occupancy level according to EPA.

All other PCM samples collected outside the work area yielded in less than 0.01 fibers per cubic centimeter.

The 3rd floor abatement project is still in progress. Enclosed are the daily logs, checklists, and air sample data sheets. Laboratory analyses and chain of custody are also 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

SaLUT

11609 Edmonston Road • Beltsville, MD 20705 • (301) 595-3783

IH ABATEMENT DAILY REPORT

Client: G.S.A Job No: 00189 Date 7/19/00 Employee: Tijan S. N'Jie

Project: NEOB On-Site From: 3:00p To: 7:00a

Work in Progress / Summary of Activities:

3:15p On site, went through security, then proceeded up to 3rd floor workarea. Met with Keri Bonos, Ruben Ochoa of EDS, & Ms Walker, together went over scope of work, then proceeded to do walk through of containment. Given that ceiling tiles, lights & grids are to be decontaminated and saved, crew upon getting required negative pressure, will remove ceiling tiles, hepa vacuum each thoroughly, then lightly tapp them, then remove them from containment for storage. The lights will be removed by G.S.A. personel with 2 hr awareness certs., wet wiped & brought out. Grid to be wet wiped post abatement & left in place.

4:00p EDS super Ruben was instructed to call his office and have at least 6 more mircotaps brought in, as manometer only registers -0.089, way above required negative pressure required. Negative pressure will have to be brought down to -0.025 to -0.03, so as to be able to clean off asbestos containing fireproofing at north end and southwest area, so as to be able to critical off these areas & thereby complete enclosure.

5:00p Ms Bonos, Electric shop super & I go through containment

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Sprayed on asbestos containing fireproofing off substrate, fittings & general decontamination

Containment: Full enclosure

Decon: 3 stages

PPE: Papr / Tyvek suits / gloves

Removal Methods: Wet scrape / scrubbing / wiping + vacuumming

No. of Bags Removed

Abatement Contractor: E.D.S.

Reviewed By:

SaLUT

11609 Edmonston Road • Beltsville, MD 20705 • (301) 595-3783

DAILY REPORT, Contd.

Project: NEOB Job No. _____ Date: 4/19/00 Page 2 of 3

Work in Progress / Summary of Activities:

and discussed all existing components to be saved + what was to be removed during abatement. The electricians to return shortly, to continue removing light fixtures, which will then be wet wiped & brought out to be store.

6:00p Set up pumps to aquire background air samples both inside + outside work areas.

7:00p 2nd shift of abatement workers on site, again went through containment together with Ms Bonos & Reene of EDS, explained to him that extra traps brought in to be hooked up, after which electricians will continue taking down lights, after which, removal of ceiling tiles will begin. These tiles will then be thoroughly decontaminated, lightly capped, then brought out spread out to dry before being stacked up.

9:00p Traps hooked up, but present circuit unable to sustain load + keep tripping, super calls project manager at EDS to have a G.F.C.I. circuit board delivered on site tomorrow. Efforts were made to redistribute hook-up but only 8 traps could be kept running. Prayed for electricians to continue disconnecting lights, which were then decontaminated & brough out.

11:00p Electricians call it a day + left site, lights ~~of~~ taken down in 5 rooms, these in turn were wiped down + brought out. Crew then proceeded to carefully remove ceiling tiles, which were then hepa vaccummed, capped + brought out.

12:00a Lunch break.

1:00a Back to work, crews to continue working on ceiling tiles. In p.p.e went into enclosure, Renee pointed out to me the dividing walls were open at the p.top, which will have to be decontaminated, + criticalled off.

Employee: Tijan S. Njie

SaLUT

11609 Edmonston Road • Beltsville, MD 20705 • (301) 595-3783

DAILY REPORT, Contd.

Project: NEOB Job No. _____ Date: 7/19/00 Page 3 of 3

Work in Progress / Summary of Activities:

4:00a Crew done with ceiling tiles, crew now to concentrate of decontaminating tops of dividing walls after which it will be inspected, then cleared to be critical bed off.

6:00a Crew to stop all work & begin end of shift clean-up. Heavy duty circuit board definately needed, keep tripping all night.

6:30a Stopped pumps, retrieved, analysed cassettes, and recorded data.

7:00a End of shift, left site.

Employee: Tijan S Njie

SaLUT

11609 Edmonston Road • Beltsville, MD 20705 • (301) 595-3783

DAILY REPORT, Contd.

Project: NEOB. Job No. 00-189 Date: 7/20/00 Page 2 of 3

Work in Progress / Summary of Activities:

10:15p All fixtures decontaminated and brought out, again in p.p.e. Went into enclosure, Crew properly soaking p.w fireproofing before scrapping off, also airless sprayer in constant mode, debris being generated being promptly bagged & bags sealed. In General, containment well managed & maintained, but crew will have to stop abatement, to seal seams on duct work, where there was no t.s.i., before being allowed to continue. All exhausted cassettes voided, as both had been soaked & had fallen to or knocked down to floor.

11:30p Crew showers out for lunch break, as observed earlier with day crew, workers exiting containment, Super, Renee informed, that given friable nature of a.c.m, company should provide boots, for work within enclosure.

12:30p Back to work, in p.p.e. went into enclosure with super, Renee, Crew sealing off, with adhesive + duct tape, ribs where sections of HVAC duct come together, and weren't covered with t.s.i..

3:30a Again in p.p.e. went into enclosure, almost all of all exposed ribs sealed off, also were sprinkler pipe had gone through duct, most of crew back to doing abatement, material kept wet + being bagged-up promptly.

4:30a Given high EU readings, no street attire of any sort will be allowed out of enclosure, Crew to change into tyvek suites by decon, black poly to be put up for privacy, decon system to be thoroughly cleaned out + to remain as. I do believe the source of fibers caught in environmental samples are not for present containment, I would, however, propose strict adherance to abatement guidelines i.e work practices, exiting enclosure etc, to eliminate any doubt.

Employee: Ivan S Nijie

SaLUT

11609 Edmonston Road • Beltsville, MD 20705 • (301) 595-3783

DAILY REPORT, Contd.

Project: NEOB Job No. 00-189 Date: 7/20/00 Page 3 of 3

Work in Progress / Summary of Activities:

6:00a Abatement company to bring in tyvek underwear + rubber boots in this morning, as of this afternoon any street wear taken into enclosure will have to stay in permanently + be discarded later i.e. shoes, briefs etc.

6:30a Night crew begins to shower out, I H present at decon to make sure all workers take proper shower.

7:00a Day crew on site, super Ruben made aware of changes, company office contacted, to have necessary equipment brought in.

8:00a App. 3/4 of gross removal completed, ~~bagged~~ debris bagged up + bags sealed, entire hallway outside decon from stairway door to elevator corridor, wet wiped (walls) + moped (floor) ~~were wet wiped~~, all in an effort to eliminate fibers that could have been brought out when ceiling tiles or light fixtures were being brought of containment.

8:30a In p.p.e. went into enclosure, abatement being done according to set guidelines, surveyed west wall of enclosure where I Beam to close to wall, could not be properly abated, not enough space between beam + wall, only way would be to remove 2 to 3 rows of blocks, C.S.A. to be consulted for directive.

10:00a End of shift, left site.

Employee: Tijan S. N'jie

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB

Project: NEOB

Location: 3rd fl, East outter loop, south.

Date: 7/20/00

Removal Contractor: EDS

Time Inspected: 7.00p . 10.00p 12.30a 3.30a

Monitoring Contractor: Sabut

Time Removal Began: 6.20p

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ___ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

SaLUT

11609 Edmonston Road • Beltsville, MD 20705 • (301) 595-3783

IH ABATEMENT DAILY REPORT

Client: GSA-NCR Job No: 00-189 Date 7/20/00 Employee: Joyce Walker / IShani

Project: NEOB - 3RD floor decking (EAST) On-Site From: 7:00 AM To: 6:30 pm.

Work in Progress / Summary of Activities:

7:00 Mr. Nigie just left site. Crew not here yet.
7:30 Crew of 4 arrives. 2 can't get into building.
7:50 Negative pressure is down to -.001. Crew checking microtraps. Begin EV samples.
8:00 Enter Containment - Crew is stringing alternative light. Several microtraps not working. Power Sources keep blowing. Ruben, supervisor for EDS, has called for a power board to be brought to site. Approx. 60 lights still remain to be taken down. 2 more crew arrive
8:45 Electrician turns on blown breaker switches. Neg. air up to -.003" H_2O.
10:00 Ishani takes over as IH. Electrical panel brought on site.
11:00 Spoke w/ Ruben - (super from EDS). He briefed about scope of work as discussed w/ Joyce Walker and gave the progress of work. The electricians removing light fitting has still not arrived on sight ~~to~~ they.
12:Noon. Crew off for lunch, back @ 1.00pm.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): TSI, Fireproofing

Containment: full negative enclosure
Decon: 3 stage
PPE: 1/2 face for prep
Removal Methods: none yet
No. of Bags Removed Ø
Abatement Contractor: EDS

Reviewed By:_____

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DAILY REPORT, Contd.

Project: NEOB Job No. 00-189 Date: 7/20/00 Page 2 of 2

Work in Progress / Summary of Activities:

1:30 pm Set up 2nd set of EV samplers @ same volume. flow rate. Crew started on setting the perimeter barriers to increase pressure.

2:20pm Work in progress.

4:20pm. Checked work area. The perimeter barrier increase pressure has been completed. Will start abatement after this. check -ve pressure within limit

5:00pm Started abatement. East of Rm will continue going west. Met up w/ electrical Super, Arthur. They will start working around 8pm. I told them to wear PARR which EQS will provide and full-suits which EQS will provide.

5:30pm. Switched EV samplers and set-up & started WA samplers near the work area and in the Rm adjacent to where work was carried out.

5:50 pm check -ve pressure @ -0.029 within limits. 3 micro traps out of 7 in use.

6:30pm Off-site. Tijan another IH from SaLUT took over for the night shift.

Employee: _____

EXHIBIT A
ASBESTOS PRE-ABATEMENT CHECKLIST

Building: NEOB Project: 00-189

Location: 3RD floor EAST Date: 7/20/00

Removal Contractor: EDS Time Inspected: 4:20 pm.

Monitoring Contractor: SaLUT Time Removal Began: 5:00pm.

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. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	N/A	

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ___ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB. Project: NEOB. 00-189

Location: 3rd floor. EAST. Date: ~~2/9~~ 7/20/00

Removal Contractor: EDS. Time Inspected: 5:45 pm.

Monitoring Contractor: SaLUT Time Removal Began: 5:00pm.

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. Glove Bag Project	NA.	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time		
	b. Proper NIOSH Respirators	Disp ___ HEPA ___ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered 3 out of 7 micro-traps are in use, and negative pressure is greater than 0.02, at time of inspection it was at 0.029.

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IH ABATEMENT DAILY REPORT

Client: GSA Job No: 97111 Date 7/20 Employee: Ousman Jobe

Project: Federal Triangle On-Site From: 6:00 To:

Work in Progress / Summary of Activities: IH is on site @ 18.00 -
So is Hillian -
18:30 Prepping begins with perimeter barriers being hang -
19:15 Containment is 90% completed - 2 6 mil poly on
on floor + 1 on walls - A 500 macrotrap being set -
1945 Containment is completed + crew takes break.
2045 Work begins - Crew start removing tiles from ceiling -
Tiles are sprayed wet + bagged + broken in site bags -
21:00 Crew begins hanging criticals above ceiling from ceiling
to grid with poly. Containment is sprayed -
Tiles are doubled bagged + bagged out.
21:30 Above ceiling is still critical still being still hang
nothing to report yet.
22:30 Above ceiling critical is being still constructed - A lot
of cables + wires causing set up difficult + tedious.
22:50 Replacement of tiles begins - 21 tiles to be installed w/
crew using 2 ladders - 1 misting area and cleaning
23:2 Area is fine cleaned.
23:30 IH begins final sampling - 2 pumps @ 10 l/m for 60 min.
coming combining total for area equaling 742 -
24:2 Stop pumps.
1:00 Both finals < 0.01 - cassettes -

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Replacement of ceiling tiles - 21 - in corridor 0200 -

Containment: Mini

Decon: —

PPE: Suit - ½ face

Removal Methods: —

No. of Bags Removed

Abatement Contractor: Hillion - 1 supervisor + 3 workers.

Reviewed By:_____

SaLUT

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IH ABATEMENT DAILY REPORT

Client: GSA Job No: 00189 Date: 7/21 Employee: Ousman Jobe

Project: UEOB On-Site From: 7:00 To:

Work in Progress / Summary of Activities: 19:00 SaLUT IS ON SITE.

19:15 CLEARED + ON 3rd Fl.
MET W/ ISHANI WHO FILLED IN ABOUT SCOPE OF WORK AND PROGRESS OF WORK.

19:45 IH IN PPE + PAPR ENTERED CONTAINMENT TO OBSERVE WORK PRACTICES. CREW IN PPE, BOOTS + PAPR GROSS CLEANING ABOVE CEILING, USING SCRAPPERS + WIRE BRUSHES ON BEAMS + ALUMINUM CEILING - WORK PRACTICES ARE IN COMPLIANCE, WHOLE WORK AREA IS WET AND MANOMETER READ 0.018.

20:15 TALKED TO RENE ABOUT DRYING FLOOR AND CLEANING DECON.

20:30 TWO GSA WORKERS SUITED UP IN 2 SUITS + PAPR WENT INSIDE TO SHUT OFF LIGHTS.
ALSO, RENE INFORMED THAT THEY COULD NOT GET TO RM 3015 BECAUSE THE HVAC WAS STILL ON + THAT THEY IT'S BEEN TURNED OFF @ 19:00 TONITE - THEREFORE HE IS GOING TO TRY TO GET IT ASAP IF NOTHING ELSE PREP IT.

21:30 IH IN PPE + PAPR ENTERED CONTAINMENT - GROSS CLEANING IS IN PROGRESS - CREW IS POKING, SCRUBBING, WIRE BRUSHING SCRAPPING, ETC ABOVE CEILING - BEAMS + CEILING - STILL IN BACK RIGHT SIDE AROUND 3011 -
FLOOR HAS BEEN WIPED + DRIED + DECON CLEANED -
WORK PRACTICES ARE IN COMPLIANCE + MANOMETER @ 0.020.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): 3rd Fl - 3013 → 3011 - FIRE PROOFING (SPRAYED ON).

Containment: FULL

Decon: 3 STAGE

PPE: 2 SUITS, BOOTS, PAPR

Removal Methods: MANUAL

No. of Bags Removed

Abatement Contractor: EDS. 1 SUPERVISOR + 7 WORKERS.

Reviewed By:_____

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DAILY REPORT, Contd.

Project: FEDERAL TRIANGLE Job No. 00-18[illegible] Date: 7/21/00 Page 2 of ____

Work in Progress / Summary of Activities: 22[15] - IH AGAIN INSIDE CONTAINMENT TO CHECK WHY MANOMETER DROP TO 0.014 - IH FOUND CREW HAS CUT OFF BARRIERS TO ROOM 3015 AND THEY HAVE BEGUN PREPPING THE CEILING - ALL CEILING TILES ARE DOWN - POLY BEING SET UP. ON OPPOSITE SIDE - GROSS CLEANING IN PROGRESS. AREA IS MISTY + NEG AIR PRESSURE SEEMED OK CONSIDERING WK DONE ABOVE CEILING. ALL MICROTRAPS ARE ON.

23[15] IH [illegible] Heard alarm from MICROTRAP MANOMETER - MANOMETER READ 0.008. IH WENT IN TO CHECK. A TRAP WAS MOVED + PLUS ABOVE CEILING IS STILL BEING PREPPED.
GROSS CLEANING IS MOVING SLOWLY - NOTHING TO REPORT ON THAT SIDE. MANOMETER READ NOW 0.015 AFTER REPOSITIONING OF TRAPS, THEN THERE ARE 12 MICROTRAPS + SOME WERE SHUT OFF.

23[45] CREW FILING OUT FOR BREAK. MANOMETER READ 0.026.

24[45] WORK RESUMED.

1[20] IH IN PPE + PAPR ENTERED CONTAINMENT - CREW JUST FINISHING PREPPING IN 3015. GROSS CLEANING IN 3 RMS ON RIGHT CONTINUES, THE POKING, SCRAPPING, SCRUBBING ETC TO CLEAN ABOVE CEILING BEAMS + CEILING. WORK PRACTICES ARE IN COMPLIANCE - BESIDES FLOOR BEING TOO WET - WHICH CREW TOOK CARE OF -

1[35] OPPOSITE SIDE - THE REMOVAL OF THE SPRAYED ON HAS BEGUN - BEAMS + CEILING ARE SPRAYED REAL WET + SPRAYED ON IS SCRAPPED OFF - A WORKER BAGGING - MANOMETER @ 0.024.

2[00] CLEANING PROCEED + REMOVAL OF SPRAYED ON IS ABOUT 80% COMPLETED WORK PRACTICES ARE COMPLIANT

3[40] REMOVAL OF SPRAYED IS COMPLETED - GROSS CLEANING IN WHOLE WA - STILL TEDIOUS. AREA IS MISTY - MANOMETER @ 0.029.

4[20] RENE BEGAN BRINGING CEILING TILES + LAMPS LITE FIXTURES OUT - TILES ARE CAPSULATED -

5[30] IH INSIDE CONTAINMENT - GROSS CLEANING CONTINUES - CREW FINISHING 3rd ROOM + WORKING ON 4th ROOM.
WORK PRACTICES ARE COMPLIANT AND MANOMETER @ 0.029.

6[00] CREW IS GL CLEANING AREA - CEILING WITH 2 AIRLESS SPRAYERS.

Employee: O. JOBE.

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DAILY REPORT, Contd.

Project: NEOB Job No. 00-189 Date: 9/21 Page 2 of 3

Work in Progress / Summary of Activities: AND NOW CLEANING THE FLOOR —
6:45 CREW STOPPED - SLIPPING INTO SHOWERS.
7:30 1H LEFT SIDE

Employee: O. JONE

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IH ABATEMENT DAILY REPORT

Client: GSA. Job No: 00-189 Date 7/21/00 Employee: Tahani Mellada.

Project: NEOB. On-Site From: 9:30AM To: 7PM.

Work in Progress / Summary of Activities:

~~7AM~~ - 9:30AM - Went to bring equipment for work over the weekend.

9:30AM: Met Tyan at NEOB. Went to 3rd floor.

10:00AM: Stopped and re-started pumps. for both EV Samples read ones from previous night less than 0.01.

10:15AM. Met Kenny Bonos. Everything alright.

11 AM. Started WA. Samples. checked negative pressure maintained at -0.025. above requirement. Therefore good pressurization within containment.

12 Noon - 1PM. Crew off to lunch. Will continue on abatement after lunch.

12:30pm. The water toilet broken and GSA personel and an EDS crew member had to vacuum and clean the decon area. After crew comes from lunch will make sure the shower is in working order.

1:30pm. Resumed work. checked work area The final room is being abated. Took pumps out. as they were running out of the charge. therefore will have very low volume. The next stage would be to start fine cleaning. All the material is wetted thoroughly and bagged.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Sprayed on, in Rms 3001 3005, 3007, 3009, 3011, 3013, 3015, 3017.

Containment: Full enclosure.

Decon: 3 Stage.

PPE: PAPR, Suits & Gloves.

Removal Methods: Wet Scraping, Wipping, Vacuuming.

No. of Bags Removed

Abatement Contractor: EDS, Super Ruben.

Reviewed By:_____

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DAILY REPORT, Contd.

Project: NEOB Job No. 00-189 Date: 7/21/00 Page 2 of 2

Work in Progress / Summary of Activities:

Air pressure maintainted at -0.028. Also Shower is back in working order.

3:00 ~~Joyce Walker~~; Met up w/ Joyce Walker, and discussed the ~~not~~ on going work.

3:30 Crew Started fine cleaning ~~area~~ area.
~~Start~~ Rotated Samples and read EV samples

4:00 Work area samples were ~~as~~ not read since the pumps ran out during the test, therefore it would not have given an accurate reading.

~~5:~~ The crew from Hilian started coming in.
In case the EV samples are full of dust. An attribute to it would be the fact that these crew members were transpoting their equipment through the corridor where the EV samples are set up.

5:30 checked -ve pressure, Within limits, ~~are~~ work in progress.

7:30 off-site! René's crew came in @ 7 pm.
rotated

Employee: _____

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB. Project: 00-189.

Location: East Rms of 3rd flor. far North of Building Date: 7/21/00.

Removal Contractor: EDS. Time Inspected: 2PM.

Monitoring Contractor: SaLUT. Time Removal Began: _____

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ✓ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered _____

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IH ABATEMENT DAILY REPORT

Client: CPSA. Job No: 00-189 Date 07-22-00 Employee: Ishani Mellawa.

Project: NEOB. On-Site From: 7AM. To: 7PM

Work in Progress / Summary of Activities:

7AM: On-site, crew from EDS (Ruben-Super) in at around same time (7:20AM) W/ Whole crew, ~~as~~ to 3rd floor. Met With Ousman, IH from SaLUT and came upto date with was going through the ~~Ar~~ previous (7-21-00) night.

8AM: Stated work at about 7:30AM. ~~T~~ Pressure ~~at~~ within limits.

8:15 ~~AM 8:40~~: Inspected area inside containment. All crew working, ~~Stripping~~ Welling and Scrubbing. I Change one microtrap filter and set up samples within work area. All microtraps will be changed in a few hours by the supervisor.

9:00AM. Set up environmetal samples.

9:30AM. 8 microtraps running. The pressure was at -0.050 ~~for~~ got to shut down three, ~~and~~ to control the pressure, it went down to -0.027 which was ~~to~~ within limits.

10:45 AM. Checked -ve pressure @ -0.027 within limits.

12 Noon - 1PM: Crew - off to lunch.

12:15.. ~~Rotation~~ Started. Second set of EV samples for today. Went into containment, and examined work in progress, stopped for lunch everything OK. Changed WA samples.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Rms on East side of far North wing 3rd floor. Spray on asbestos, fine cleaning.

Containment: full endosure.

Decon: 3 Stage.

PPE: PAPR, Suite and Gloves.

Removal Methods: Fine cleaning, Wiping, Scrubbing, use Wire pads. wetting

No. of Bags Removed

Abatement Contractor: EDS, 1 Supervisor - Ruben ~~10~~ ~~8~~ 10 crewmen.

Reviewed By:

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DAILY REPORT, Contd.

Project: NEOB Job No. 00-189 Date: 7/22/00 Page 2 of 3

Work in Progress / Summary of Activities:

-ve Pressure at -0.031. Most of the east front Rm is complete overall about ½ the work or a little less if complete.

1:00pm Read EV Samples. fiber counts are higher than yesterday but within safe levels. (<0.01). The reason for this could be odd the activity and the other rms being ~~ab~~ occupied to do riser abatement, also personel walking around that area and dust being rickedup & stirred.

2PM. Read WA Samples. Both Samples were overloaded. ~~Even though one sample was~~ The crew is working in almost all the areas of the room and therefore it was NOT possible to keep one sample away from right under the WA. ~~Still~~ Also there is still alot of asbestos and debris that ~~are were~~ was cleared.

3PM. Checked -ve pressure ~~at~~ within limits.

4:15 PM. Changed EV Sample.

4:30pm Went into containment to check work in progress roughly 3 Room to be completed. Bags to be brought and to washout the area. changed WA Samples and changed locations. one was kept were there was minimal work done and ~~had~~ on an area where they had finished ceilings completely.

5:30pm. read EV Sample outside door, Counted very high amount of fibers. Spoke to ~~the~~ Ribbon above us to ask whether they bagged out before 4:30pm without me seeing it. EDS did NOT bag out before that and started only at 5:00pm. But Hilian, working adjacent to EDS area had ~~become~~ bagging out during sample time, and might be the cause of high count. Will have a word with both

Employee: IDM.

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DAILY REPORT, Contd.

Project: NEOB Job No. 00-189 Date: 7-22-00 Page 3 of 3

Work in Progress / Summary of Activities:

Hilian and Enviro—the IH ~~sec~~ contractor tomorrow 7-23-00. Might get them to ~~use~~ seal doors where they are working and take the bagged material with more precautions.

6:00pm. EDS started bagging out at 5:00 pm. If EV samples are high this might be the reason.

7:00 pm. Bagged out ~~and~~ ~~to~~ for now. Tijan takes over from me as IH and René takes over from Ruben for EDS. Spoke w/ Curtis IH from Hillian. He said that he too had high fiber counts and that he would take necessary precautions in future to avoid a situation as such. discuss @ 5:30pm.

Employee: _____

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB

Project: NEOB - 00-189

Location: 3rd floor.

Date: 7-22-00.

Removal Contractor: EDS

Time Inspected: 8:15AM; 9:30; 12:40; 4:40

Monitoring Contractor: SALUT

Time Removal Began: Thursday 7-20-00.

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ___ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

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IH ABATEMENT DAILY REPORT

Client: G.S.A Job No: 00-189 Date: 7/22/00 Employee: Tijan S N'jie

Project: N.E.O.B On-Site From: 4.00p To: 7.00a

Work in Progress / Summary of Activities:

7.00p On site, went through security, then proceeded up to 3rd floor workarea, got briefed by I.H. on day shift. Night crew to continue bagging out, and on completion of exercise, will start fine cleaning.

7.40p Change cassettes & analyzed cassettes, then recorded data. Super to have crew use more water.

8.45p Bag-out completed, together with super, Rene, went into containment, crew sealing off gap ~~we~~ between I-Beam & southwest firewall, by 1st stuffing in pre filters into opening, then filling in with expanding foam, rest of crew started with fine cleaning.

11.00p Again in p.p.e. went into enclosure, fine cleaning comming along slow but sure, doing different levels in sequence, i.e substrate + T. beams, then conduits, duct & grid and on lower. On exiting containment checked manometer, reading okay, and printout shows that required negative pressure been maintained at required through out project.

12.00a Lunch break.

1.00a Back to work, crew to continue with fine cleaning, also one worker to effect repairs on decon system, several

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Asbestos containing fireproofing.

Containment: Full enclosure

Decon: 3 stages

PPE: Papr, tyvek suits, gloves + boots.

Removal Methods: Wet scrape/scrubbing/wiping & vacuumming

No. of Bags Removed

Abatement Contractor: E.D.S.

Reviewed By:

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DAILY REPORT, Contd.

Project: NEOB Job No. 00-189 Date: 7/22/00 Page ____ of ____

Work in Progress / Summary of Activities:

seams comming loose, Super informed that from now on, the entire system will be built, instead of using pop-ups. In talking to super, Rene, about still relatively high fiber counts being registered by environmental samples, he brought to my attention, that, his crew resting on their backs during lunch, had noticed, what ~~has~~ appears to be dislodged asbestos containing fireproofing, wedged in air return opening in ceiling. Proceeded to investigate, this occurance observed in several locations within 3 ft centering, outer loop, but ~~my~~ main concern, to be, if, this ~~cause~~ is happening in other areas of building.

3:30a Again in ppe went into enclosure, fine cleaning comming along very well, rooms 1, 2, 3, 4 done at 1st level, airless sprayer in constant use, all a cm on floor kept damp. Changed workarea cassettes, then showered out.

6:00a Back in containment, with super Rene, he is to dedicate one worker to airless sprayer, since fiber count relatively high, given all gross removal was done & bagged up. Strongly believe that fine cleaning, will be concluded during day shift.

7:00a Relief I.H., Ishani, on site, gave run down of project to this point, then left site.

Employee: Ryan S Nigie

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB Project: NEOB

Location: 3rd fl east, outter loop, south Date: 4/22/06

Removal Contractor: E.AS Time Inspected: 8.40p, 11.00

Monitoring Contractor: SALUT Time Removal Began: 8.45p

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ___ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

SaLUT

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IH ABATEMENT DAILY REPORT

Client: GSA Job No: 00-189 Date 7/23/00 Employee: Ishani Mellawa

Project: NEOB - 3rd floor. On-Site From: 7AM To:

Work in Progress / Summary of Activities:

7AM: On-site. Met Tijan, IH from SaLUT, discussed scope of work for the day and came upto date of what was going on. the previous night (7-22-00). Scope of work would be to fine clean area remaining, and bag out, and maybe to achieve final clearance.

7:15AM. Changed EV Samples.

7:30AM. Went into containment and checked area. 4 Rms have been fine cleaned by earlier crew. 9 rooms remaining to be cleaned. The pressure level was low, therefore, got them to start 2 micro-traps. Started WA Samples. Crew over night had sealed the area that could not be reached.

9:00AM checked -pressure. within limits.

9:30AM Read samples from yesterdays, which were stopped at 7:15 this morning. Both EV Sample have extremely low counts. and the WA has low # compared to previous times.

10:00AM. -ve pressure within limits. Spoke to joyce and discussed about final clearance

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Spray on asbestos. 3rd floor. (13 room plus corridor) -

Containment: Full enclosure.

Decon: 3 stage.

PPE: ½ face HEPA.

Removal Methods: Fine cleaning, drop cloths, air pads, wetting.

No. of Bags Removed

Abatement Contractor: EDS.

Reviewed By:

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DAILY REPORT, Contd.

Project: NEOB Job No. 00-189 Date: 7/23/00 Page 2 of ____

Work in Progress / Summary of Activities:

and progress made so far.
11:15 - Change EV Samples, ~~went~~
11:30 Went into containment, check area, 3-4 Rooms remaining ~~of~~ One micro-trap had come loose blowing air back into containment, got Ruben to take care of that. Set new WA Samples.
12-1pm - Crew off to lunch. Read EV Samples. Will ~~be~~ resume work at 1:00pm
2pm. Read WA Samples. These had extremely low fiber counts, ~~even~~ almost the same as the EV Samples Many reasons for this, namely the ~~so~~ both Samples were obtained from cleaned rooms, the air pressure was really good and a micro-trap was on in on of the rooms the samples came from. Where as the EV samples had dust etc as there was lot of activity outside. All ~~H~~ samples are well below hazard levels.
3:50-4:30pm: Final check - visual. check all rms, ceiling grids, I-beams, Pipes, Walls (critical barriers) Floor, Ends of barriers for cracks ~~or~~ loose ends, & Ceiling. Found some grids done in rms yesterday were not clean. Got them to clean those I-beam horizontal sections, & duct insulation covers. Will check again for visual, encap the containment and start FC samples for 2 hours, if the visual passes second time round. For a area thats so ~~nasty~~ Very large crew had done a good job.
5:45pm: Visual good, started encapsulating the area.
6:15pm Still encapsulating, micro traps running so

Employee: JDM

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DAILY REPORT, Contd.

Project: NEOB 3rd floor Job No. 00-189 Date: 7/23/00 Page 3 of ____

Work in Progress / Summary of Activities:

that encap dries fast. Read EV and WA samples both ~~were~~ had very low fiber counts, ~~[illegible]~~

7:15. Went back in to containment, set up TEM samples in ~~[illegible]~~ 6 different areas. and setup PCM EV samples outside. encap had dried by this time.

9:15: Removed samples both TEM & PCM. Read PCM samples. Almost no fibers.

9:45: off-site: Ruben super from EDS off-site at same time. Crew from EDS off-site at 6:30pm. -ve pressure at leaving -0.021.

Employee: _____

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB - Project: 00-189

Location: 3rd floor. Date: 7/22/00.

Removal Contractor: EDS. Time Inspected: 7:30AM. 11:30AM; 3:30pm.

Monitoring Contractor: SaLuT Time Removal Began: Thursday 7/20/00

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp___ HEPA ✓ PAPR___	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT C
FINAL INSPECTION OF ASBESTOS ABATEMENT CHECKLIST

Building: NEOB - Project: DO-189

Location: 3rd floor Date: 7/23/00

Removal Contractor: EDS. Time Inspected: 5:30 & 6:15 pm

Monitoring Contractor: SaLUT Time Completed: 6:00pm

Inspection Category	Activity to be checked	Within Limits	Problem Encountered
1. Residual Dust on:	a. Floor	✓	
	b. Horizontal Surfaces	✓	
	c. Pipes	✓	
	d. Ventilation Equipment	✓	
	e. Horizontal Surfaces	✓	
	f. Pipes	✓	
	g. Ductwork	✓	
	h. Registers	NA	
	i. Lights	NA	

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.

Location:				
Volume(liters)				
Flow Rate (liters/min)	See TEM sample data sheet			
Fibers/Filter				
Fibers/cc				

Analyst Analyzing Samples: by AMA & analytical services. Date:

Field Notes: Describe any problems encountered during final inspection

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IH ABATEMENT DAILY REPORT

Client: G.S.A. Job No: 00-189 Date: 1/24/00 Employee: Tijan & Nijie

Project: NEOB On-Site From: 6.00p To: 10.00p

Work in Progress / Summary of Activities:

6.00p On site, only prep work to be done, set up pumps to acquire background air samples at 2nd floor workarea

8.20p Stopped, retrieved & analyzed samples, then recorded results

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations):

Containment:

Decon:

PPE:

al Methods:

moved

:

Reviewed By:

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IH ABATEMENT DAILY REPORT

Client: G.S.A. Job No: 00-189 Date 8/1/00 Employee: Tijan S. Njie

Project: N.E.OB On-Site From: 6.00p To: 6.00p

Work in Progress / Summary of Activities:

6.00p On site, took a long while before allowed up to 3rd floor workarea. At workarea, met G.S.A. super Ruben, informed that abatement was projected to begin tomorrow, as enclosure not completed, compounded with fact that windows would not open & G.S.A. personel that could open them not available. Left site.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations):

Containment:

Decon:

PPE:

Removal Methods:

No. of Bags Removed

Abatement Contractor:

Reviewed By:

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IH ABATEMENT DAILY REPORT

Client: G.S.A. Job No: 00-189 Date: 8/2/00 Employee: Tijan S. N. Jie

Project: N.E.O.B. On-Site From: 6.00p To:

Work in Progress / Summary of Activities:

6.00p On site signed in, escorted up to 3rd floor work area, crew still putting up finishing touches. G.S.A. electricians getting into p.p.e. to begin removal of light fixtures. Set-up pumps, as above. ceiling area is regulated

7.00p All critical up, micro traps up + running, manometer reading okay, shower functional, pre-abatement inspection done, okay given for electrician to start bringing down fixtures, crew (abatement crew) set-up to begin decontamination of lights + bringing them out of containment for storage.

9.00p All light fixtures decontaminated + brought out of enclosure, crew to proceed with bringing down ceiling tiles, hepa vacuumming, then encapsulating with the penetrating encapsulant.

10.00p In p.p.e. went into enclosure, removal, decontamination of ceiling tiles completed + brought out, crew to bag all gross debris before comming out for lunch break.

10.30p Lunch break.

11.30p Back to work, crew to cut out flex duct + t.S.I on

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Asbestos containing fireproofing + t.S.I

Containment: Full enclosure

Decon: 3 stages

PPE: Papr

Removal Methods: Wet scrape/scrubbing/wiping + vacuumming

No. of Bags Removed

Abatement Contractor: E.D.S.

Reviewed By:

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DAILY REPORT, Contd.

Project: NEOB Job No. 00-189 Date: 8/2/00 Page 2 of 2

Work in Progress / Summary of Activities:

metal, only when this phase is completed, will the strip removal along perimeter of enclosure be done, so as to put in critical barrier from top of wall to substrate. Crew in enclosure cut down to three workers, the other 2 to head down to 2nd fl. to tear down completed containment.

12.00a Crew begins to experience electric problems, one of G.S.A. escorts an electrician, wires consulted, all work within enclosure suspended, control panel disarmed. Decon sealed, workers asked to stay inside & will be notified when system was back up + running.

12.30a Control panel back on, mircotraps turned on, manometer reset & double checked, okayed for work to proceed within enclosure.

2.00a All 6" flexible ducts from defusers to main duct B removed, also t.s.i (fiberglass) on duct removed, ducts to be cleaned, then seams sealed using spray adhesive & duct tape.

3.00a Informed crew taking down enclosure on 2nd floor had mistakenly taken off critical barrier, seperating abated area from rest of floor. Set up pumps to monitor repair work, all work suspended at 3rd fl containment, while crew to come down to 2nd fl workarea & help out.

4.30a Work completed, critical back-up, all poly bagged + entire floor area of workarea hepa vacuumed, then equipment, tools + materials taken ~~down~~ up to 3rd floor workarea & stored.

5.00a End of shift, left site.

Employee: Tijan S. Njie

EXHIBIT A
ASBESTOS PRE-ABATEMENT CHECKLIST

Building: NEOB Project: NEOB

Location: 3rd fl East wing, inner loop south Date: 8/3/00

Removal Contractor: EDS Time Inspected: 4:00 p

Monitoring Contractor: SALUTI Time Removal Began: 4:00 p.

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. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ✓ PAPR ___	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	

FIELD NOTES: ~~Describe any problems encountered~~ no abatement of fireproofing to be done till Critical barrier at north end of room 1 is in place.

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB

Project: NEOB

Location: 3rd fl East wing, Inner loop South

Date: 8/2/00

Removal Contractor: EDS

Time Inspected: 10.00p

Monitoring Contractor: SALUT

Time Removal Began: 4.00p

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ___ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

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IH ABATEMENT DAILY REPORT

Client: G.S.A. Job No: 189 Date 8/3/10 Employee: Tijan & V. fie

Project: NEOB On-Site From: 6:00p To: 5:00a

Work in Progress / Summary of Activities:

6:00p On site, set up pumps, as crew got into p.p.e. to proceed into containment. 2 crew members + super Ruben Ochoa heading down to loading dock to bring up supplies + equiptment. In p.p.e. went into enclosure observed that criticals of ducts of HVAC comming off apparently unit still on, instructed supervisor to get in touch with Mr Bonos to have engineering shut down system.

8:00p G.S.A. HVAC personel finally shuts down system, crew could now go ahead & put up critical barrier along northern wall of enclosure

9:00p Critical barrier completed, okay given to begin gross removal of a.c.m. Abatement to start in North West room moving south + east, All gross removal is completed.

10:00p In p.p.e. went into containment, abatement in progress, crew working their way in from critical barrier along north wall of rm 2, enclosure well managed, a.c.m kept damp, being promptly bagged + bags sealed.

11:00p Lunch break

12:00a Back to work, crew to continue with gross removal.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Asbestos containing fire proofing + t.s.i

Containment: Full enclosure

Decon: 3 stages

PPE: Papr

Removal Methods: Wet scrape/scrubbing/wiping + vacuuming

No. of Bags Removed

Abatement Contractor: E.D.S.

Reviewed By:_____

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DAILY REPORT, Contd.

Project: NEOB Job No. 00-189 Date: 8/3/00 Page 2 of ____

Work in Progress / Summary of Activities:

1.00a In p.p.e. again went into containment rooms 1,2 done, crew in 3+4, super wants to complete gross removal in 3+4, then start end of shift clean-up. ACM kept damp + being bagged up as generated, airless sprayer in use, in all, enclosure well managed. Showered out, checked manometer, reading okay, print out also indicates that -0.39 or lower had been maintained since northern critical barrier was put in place.

3.00p Super to push to get all gross down + bagged up before the end of this shift, i.e. probably working till 5.00am.

4.30a In p.p.e. went into containment, gross removal in room 4,5+6 almost completed, crew could have not done + bagged up shortly.

5.00a All gross removal completed + bagged, crew showered out + had left site.

Employee: Ryan S. Nijie

EXHIBIT A
ASBESTOS PRE-ABATEMENT CHECKLIST

Building: NEOB Project: NEOB

Location: 3rd fl East, inner loop, south Date: 8/3/00

Removal Contractor: EDS Time Inspected: 9.00p

Monitoring Contractor: SALUT Time Removal Began: 9.10p.

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. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ___ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB Project: NEOB

Location: 3rd fl East, Inner loop, south. Date: 8/3/00

Removal Contractor: EAS Time Inspected: 10.00p

Monitoring Contractor: Salut Time Removal Began: 9.30p

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ___ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

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IH ABATEMENT DAILY REPORT

Client: G.S.A Job No: 00-189 Date: 8/4/00 Employee: Tijan & N'Jie

Project: NEOB On-Site From: 6.00p To:

Work in Progress / Summary of Activities:

6.00p On site, signed in, then escorted up to 3rd floor work-area. E.D'S's crew beefed up to a 15 man team. Super Ruben Ochoa, explains ~~to~~ ~~that~~ that there will be no morning or evening shifts tomorrow. He believes that, with a crew this size & given relative small size of enclosure, it will be possible, to have containment ready for final inspection between 8-10am in the morning.

6.30p Set up pumps, as crew in p.p.e. proceeded into enclosure, manometer reading okay. printout also indicates that required negative pressure had been maintained during the day.

8.30p In p.p.e. went into the enclosure, fine cleaning coming along well, all hands to help clean topmost levels then crew will be staggered, with all levels being cleaned from south to north of enclosure.

11.00p Super to have crew break at midnight, as few of workers want to leave early. Manometer alarm goes, super goes into enclosure to check critical barriers, found a critical on one of windows down, repair effected immediately, work resumes.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Asbestos containing fireproofing & T.S.I.

Containment: Full enclosure

Decon: 3 stages

PPE: Papr

Removal Methods: Wet scrapping/scrubbing/wiping & vacuumming

No. of Bags Removed

Abatement Contractor: E.D.S.

Reviewed By:_____

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DAILY REPORT, Contd.

Project: NEOB Job No. 00-189 Date: 8/4/00 Page 2 of ____

Work in Progress / Summary of Activities:

12:00a Lunch break.

1:00a Back to work, crew sets-up to bag-out, carts to be used to be covered with poly, then bag-out could proceed.

2:45a Bag-out completed, 367 bags brought out, the rest being generated, to be brought later, and total bags added up.

6:00a In p.p.e. went into enclosure, fine cleaning proceeding well, super projects to be done shortly.

7:30a Informed enclosure completed, all equiptment & tools decontaminated & brought out. In p.p.e. went into enclosure, together with super Ruben, after few minor reclearing, cleared for enclosure to be encapsulated. Reminded super to instruct spraying crew to pay special attention to areas where fiberglass t.s.i. to be left in place, was exposed

8:00a Started pumps to aquire final air samples for clearance.

10:00a Stopped pumps, retrieved cassettes, then left site for AIHA labs.

Employee: Tyron S. Nifie

PCM Air Sample Data Sheets

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11609 Edmonston Road • Beltsville, MD 20705
Tel: (301) 595-3783
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AIR SAMPLE DATA SHEET

Project: NEOB
Job No.:
Name: Tijan & Vijie

Type of Sample: (PCM) TEM LEAD
Client: G.S.A
Date: 7/19/00 Time on-site: 3.00p 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
1	BG	6.00	10	8.00p	10	120	1200	13/100	<0.01	
2	BG	6.07	10	8.07p	10	120	1200	9/100	<0.01	
3	BG	6.09	10	8.09p	10	120	1200	7 1/2/100	<0.01	Refer to attached
4	BG	6.14	10	8.14p	10	120	1200	5/100	<0.01	
5	BG	6.16	10	8.16p	10	120	1200	6/100	<0.01	floor plane for
6	BG	6.21	10	8.21p	10	120	1200	7/100	<0.01	
7	WA	3.30a	2.5	6.30a	2.5	180	450	9/100	<0.01	actual location
8	WA	3.30a	2.5	6.30a	2.5	180	450	9/100	<0.01	
9	EV	3.30a	5	6.30a	5	180	900	11/100	<0.01	
10	EV	3.30a	5	6.30a	5	180	900	8/100	<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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Tel: (301) 595-3783
Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Project: NEOB

Job No.: 00-189

Name: Tijan S. Njie

Type of Sample: (PCM) TEM LEAD

Client: G.S.A.

Date: 7/20/00 Time on-site: 6:00p 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
00-189 1	WA	9:30p	2.5	3:30a	2.5	360	900	200/100	0.11	See attached
2	WA	9:30p	2.5	3:30a	2.5	360	900	100/100		
3	EU	9:30p	5	3:30a	5	360	1800	2 1/2/100	<0.01	floorplan for
4	EU	9:30p	5	3:30a	5	360	1800	25/100	<0.01	
5	~~WA~~	~~3:30a~~	~~2.5~~		~~2.5~~			~~100~~		actual locations
6	~~WA~~	~~3:30a~~	~~2.5~~		~~2.5~~			~~100~~		
7	~~EU~~	~~3:30a~~	~~5~~		~~5~~			~~100~~		
8	~~EU~~	~~3:30a~~	~~5~~		~~5~~			~~100~~		
9	~~FB~~	~~3:30a~~	~~5~~							

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.

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Tel: (301) 595-3783
Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Project: NEOB- 3RD floor
Job No.: 00-189
Name: Joyce Walker

Type of Sample: (PCM) TEM LEAD
Client: GSA
Date: 7/20/00 Time on-site: 7:00 AM to 6:30 pm
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
00-189-7-20-1	EV	5	7:48 am	5	12 Noon	252	1260	1/100	<0.01	outside decon
00-189-7-20-2	EV	5	7:48 am	5	12 Noon	252	1260	4/100	<0.01	hallway by Room 3015
00-189-7-20-3	EV	5	1:30 pm	5	5:30 pm	240	1200	3/100	<0.01	outside decon
00-189-7-20-4	EV	5	1:30 pm	5	5:30 pm	240	1200.	1/100	<0.01	hallway by Rm 3015
00-189-7-20-5	WA	4	5:45 pm	4						East of area (East from entrance to Rm)
00-189-7-20-6	WA	4	5:45 pm	4						Rm adjacent to the entrance of Rm east wall
00-189-7-20-7	EV	5	5:30 pm	5	9:30 pm	240	1200	108/100	≈0.04	outside decon
00-189-7-20-8	EV	5	5:30 pm	5	9:30 pm	240	1200	150/100	≈0.06	hallway by Rm 3015.
00-189-7-20-9	FB									
00-189-7-20-10	FB									

VOIDED

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.: 00-189

Name: Ishani Nellawa / Jobs

Type of Sample: PCM TEM LEAD

Client: GSA

Date: 7/21/00 Time on-site: 9:30AM to 7:30 pm

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
00-189-7-21-11	EV	~~7.5~~ 5	7:15pm	5	12:15 pm	240	1200	2½/100	<0.01	DECON
-12	EV	5	7:15pm	5	12:15	240	1200	4½/100	<0.01	CORRIDOR - B4 Rm 3015

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

Project: NEOB
Job No.: 00-189
Name: Ousman Jobe

Type of Sample : PCM TEM LEAD
Client: GSA
Date: 7/21/00 Time on-site: 7 to 7:30
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
00-189-7-21-00 1	WA	2.5	9:15	2.5	3:15	300	750	15½/100	0.01	WA - Lefiside
2	WA	2.5	9:15	2.5	3:15	300	750	12/100	<0.01	WA - Rightside
3	EV	5	24:15	5	4:15	240	1200	2/100	<0.01	Below -
4	EV	5	24:15	5	4:15	240	1200	2½/100	<0.01	By Rm 3013.
5	WA	2.5	3:15	2.5	6:30	195	487.5	* Unreadable		WA - Lefiside
6	WA	2.5	3:15	2.5	6:30	195	487.5	* Unreadable		WA - Right
7	EV	4:15	5	7:45	~~210~~ 5	~~1050~~ 210	~~1050~~	~~2~~ 2½/100	<0.01	Below
8	EV	4:15	5	7:45	~~210~~ 5	~~1050~~ 210	~~1050~~	1/100	<0.01	By Rm 3013

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: THINK THAT CAPSULANT HAS AFFECTED BOTH -

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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AIR SAMPLE DATA SHEET

Project: NEOB
Job No.: 00-189
Name: Ishani Mallawa/[illegible]

Type of Sample: PCM TEM LEAD
Client: GSA
Date: 7/21/00 Time on-site: 9:30am to 7 pm
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
00-189-7-21-1	EV	5	10:25 ~~10AM~~	5	3:00	275	1375	9.5/100	<0.01	Near decon. (outside).
2	EV	5	10:25 ~~10AM~~	5	3:00	275	1375	1.5/100	<0.01	Near Rm 3015. corridor.
3	WA	3.5	11AM	3.5	~~2PM~~	180	VOID	Pump ran out		Inside containment ~~Area~~ away from work area.
4	WA	3	11AM	3	~~2PM~~	180	VOID	pump ran out		Inside containment near work area
5	WA	2.5	4:15 pm	2.5	8:15	240	600	VOID	↓	↓ -"- ↓
6	WA	3	4:15 pm	3	8:15	240	720	VOID	↓	↓ -"- ↓
7	FB	—								
8	FB	—								
9	EV	5	3:15 pm	5	7:15	240	1200	0/100	<0.01	outside decon.
10	EV	5	3:15 pm	5	7:15	240	1200	2.6/100	<0.01	Near Rm 3015 corridor

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)		Are Phase Rings Concentric?	Scope Check w/ Phase Shift Slide?	

COMMENTS: Found Pump not running.

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.: 00-189
Name: Ishani Mellawa.

Type of Sample: PCM TEM LEAD
Client: GSA.
Date: 7/21/00. Time on-site: 9:30am to 7:pm.
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
00-189-7-21-1	EV	5	10:25 ~~10AM~~	5	3:00	275	1375	9.5/100	<0.01	Near decon. (outside).
2	EV	5	10:25 ~~10AM~~	5	3:00.	275	1375	1.5/100	<0.01	Near Rm 3015. corridor.
3	WA	3.5	11AM	3.5	~~2PM~~	180	VOID	Pump ranout		Inside Containment away from ~~Near~~ work area.
4	WA	3	11AM	3	~~2PM~~	180.	VOID	pump ranout		Inside containment near work area.
5	WA	2.5	4.15pm	ask		Ousman	Jobe	for results.		↓ -"- ↓
6	WA	3	4.15pm	ask		Ousman	Jobe	for results		↓ -"- ↓
7	FB									
8	FB									
9	EV	5	3.15pm	ask		Ousman	Jobe	for Results		outside decon.
10	EV	5	3.15pm	ask		Ousman	Jobe	for Results		Near Rm 3015 corridor

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

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AIR SAMPLE DATA SHEET

Type of Sample: PCM TEM LEAD

Project: NEOB
Job No.: 00-189
Name: Ishani Mellawa

Client: GSA
Date: 7-22-00 Time on-site: 7AM 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
00-189-7-22-1	EV	5	8:~~15~~AM	5	12:15pm	240	1200	14/100	<0.01	Outside decon corridor
-2	EV	5	8:~~15~~AM	5	12:15pm	240	1200	14/100	<0.01	Next to Rm 3015 corridor
5 ~~8~~	FB									
6 ~~4~~	FB									
3	WA	3.5	8:40AM	3.5	12:40pm	240	← over loaded		→	West side of contain.
4	WA	3.5	8:40AM	3.5	12:40pm	240	← over loaded		→	Middle of ~~East side~~ containment
7 ~~B~~	EV	~~3~~5	12:15pm	5	4:15pm	240	1200	~~84~~/100	≈0.035	Middle Rm of containment
8	EV	5	12:15 pm	5	4:15pm	240	1200	1½/100	<0.01	entrance rm of contain
9	WA	3.5	12:40pm	3.5	4:40pm	240	840	154/100	≈0.09	~~middle hall~~ outside decon corr
10	WA	3.5	12:40pm	3.5	4:40pm	240	840	59.5/100	≈0.03	Near Rm 3015 corr.

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
Job No.: 00-189
Name: Ishani Mellawa

Client: GSA
Date: 7-22-00 Time on-site: 7AM to 7PM
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
00-189-7-22-11	EV	5	4:15pm	5	7:15pm	240	1200	15½/100	<0.01	outside decon in corridor
-12	EV	5	4:15pm	5	7:15pm	240	1200	10½/100	<0.01	outside of Rm 3015 in corridor.
13	WA	3.5	4:40pm	3.5	11:15pm	240	1200	24/100	0.01	In a cleaner Rm West ~~of~~ ~~Rm~~ rms.
14	WA	3.5	4:40pm	3.5	11:15pm	240	1200	upto 11½/24	could not read rest over landeded.	East Rm, ~~st~~

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

Project: NEOB
Job No.: 00-189
Name: Tijan & Nijie

Type of Sample : PCM TEM LEAD
Client: G.S.A.
Date: 7/22/00 Time on-site: 4:00p 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
1	EV	7:15p	5	11:15p	5	240	1200	15/100	<0.01	See floorplan
2	EV	7:15p	5	11:15p	5	240	1200	14/100	<0.01	
3	WA	7:40p	3	11:40p	3	240	720	33½/100	0.022	for actual
4	WA	7:40p	3	11:40p	3	240	720	Void/100	—	
5	EV	11:15p	5	3:15a	5	240	1200	20/100	<0.01	Locations
6	EV	11:15p	5	3:15a	5	240	1200	24½/100	0.01	
7	WA	11:40p	3	3:40a	3	240	720	46½/100	0.03	
8	WA	11:40p	3	3:40a	3	240	720	43/100	0.029	
9	FB									
10	EV	3:15a	5		5					

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 3rd floor
Job No.: 00-189
Name: Ishani Mellawa

Type of Sample: (PCM) TEM LEAD
Client: GSA
Date: 07/23/00 Time on-site: 7AM to 7PM
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
00-189-7-22-1	EV	5	7:15Am	5	11:15Am	240	1200	5½/100	<0.01	outside decon corridor
-2	EV	5	7:15Am	5	11:15Am	240	1200	2½/100	<0.01	Next to Rm 3015 corridor
3	WA	2.5	7:40Am	2.5	11:40	240	600	3/100	<0.01	in a cleaned room.
4	WA	3.5	7:40Am	3.5	11:40	240	840	3/100	<0.01	in work area.
5	EV	5	11:15	5	3:15	240	1200	1/100	<0.01	Outside decon corridor
6	EV	5	11:15	5	3:15	240	1200	2½/100	<0.01	Next to Rm 3015 corridor
7	WA	2.5	11:40	2.5	5:00	260	650	3½/100	<0.01	in cleaned Rm contact
8	WA	3.5	11:40	3.5	5:00	260	910	5½/100	<0.01	work area contaminant
9	EV	10	7:10pm	10	9:10pm	120	1200	1/100	<0.01	outside decon, corridor
10	EV	10	7:10pm	10	9:10pm	120	1200	½/100	<0.01	Next to Rm 3015. corridor.

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 - 3rd floor
Job No.: 00-189
Name: Ishani Mellawa

Type of Sample: PCM TEM LEAD
Client: GSA
Date: 07/23/00 Time on-site: 7AM to 7PM
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
00-189-7-23-11	FB					0		
	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

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AIR SAMPLE DATA SHEET

Project: NEOB
Job No.: 00-189
Name: Tijan S N [illegible]

Type of Sample: PCM TEM LEAD
Client: G.S.A
Date: 7/24/00 Time on-site: 6:10p to 10:00p
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
00-189 1	BG	6:20p	10	8:20p	10	120	1200	9/10	<0.01	Corridor outside work area
2	BG	6:20p	10	8:20p	10	120	1200	10/10	<0.01	Work area

QA Reference Slide No.:			Fiber Count (F/mm²)		[illegible]	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)	[illegible]	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

Job No.: 00-189

Name: Tijan S. N'jie

Client: G.S.A.

Date: 8/2/00 Time on-site: 6:00p 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
00-189 1	WA	6:30p	3	10:30p	3	240	720	47/100	0.032	See Attached
2	WA	6:30p	3	10:30p	3	240	720	62/100	0.042	floorplan for
3	EV	6:35p	5	10:30p	5	240	1200	1/100	<0.01	Actual locations
4	EV	6:35p	5	10:30p	5	240	1200	1/100	<0.01	
5	EV	6:35p	5	10:30p	5	240	1200	8½/100	<0.01	
6	WA	10:30p	3	7:00a	3	240	810	52/100	0.031	
7	WA	10:30p	3	3:00a	3	240	810	41½/100	0.025	
8	EV	10:30p	5	3:05a	5	275	1375	1/100	<0.01	
9	EV	10:30p	5	3:05a	5	275	1375	9/100	<0.01	
10	EV	10:30p	5	3:05a	5	275	1375	6½/100	<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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Tel: (301) 595-3783
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AIR SAMPLE DATA SHEET

Project: NEOB

Job No.: 00-189

Name: Tijan S. Nyie

Type of Sample: PCM TEM LEAD

Client: G.S.A.

Date: 8/21/00 Time on-site: 6:00p 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
00-189 11	EV	3.15a	5	4.40a	5'	85	425	1/100	0.01	Inside room
12	EV	3.15a	5	4.40a	5'	85	425	1/100	0.01	outside landing to room
13	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

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AIR SAMPLE DATA SHEET

Project: NEOB
Job No.: 00-189
Name: Tijan S. Nijie

Type of Sample: PCM TEM LEAD
Client: G.S.A.
Date: 8/3/00 Time on-site: 6:00p to 5:00a
Analyzed On-site: Yes Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
00-189 1	WA	6.25p	3	9.30p	3	185	555	72½/100	0.06	See attached
2	WA	6.25p	3	9.30p	3	185	555	41/100	0.03	
3	EV	6.30p	5	9.30p	5	180	900	13/100	<0.01	floorplan for
4	EV	6.30p	5	9.25	5	175	875	11/100	<0.01	
5	EV	6.30p	5	9.25	5	175	875	5/100	<0.01	Actual location
6	WA	9.30p	3	1.30a	3	240	720	67/100	0.04	
7	WA	9.30p	3	1.30a	3	240	720	58/100	0.03	of pumps
8	EV	9.30p	5	1.35a	5	245	1225	10/100	<0.01	
9	EV	9.25p	5	1.35a	5	245	1225	9/100	<0.01	
10	EV	9.25p	5	1.35a	5	245	1225	7/100	<0.01	

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

Project: NEOB
Job No.: 00-189
Name: Tijan S. Njie

Type of Sample: (PCM) TEM LEAD
Client: G.S.A.
Date: 8/3/00 Time on-site: 6-00p to 8-00a
Analyzed On-site: Yes Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
11	WA	1.30a	3	4.40a	3	190	570	79/100	0.08	See attached
12	WA	1.30a	3	4.40a	3	190	570	61/100	0.05	
13	EV	1.35a	5	4.45a	5	190	950	13/100	<0.01	floor plan for
14	EV	1.35a	5	4.45a	5	190	950	9/100	<0.01	
15	EV	1.35a	5	4.45a	5	190	950	4/100	<0.01	actual locations
16	FB									

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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Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Type of Sample: PCM TEM LEAD

Project: NEOB

Job No.: 00-189

Name: Tyson's Wife

Client: G.S.A.

Date: 8/9/00 Time on-site: 6.00p to 10.00a

Analyzed On-site: Yes Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
00-189 1	WA	6.10p	3	11.10p	3	290	870	27½/100	0.015	See attached
2	WA	6.10p	3	11.10p	3	290	870	19/100	0.01	
3	EV	6.15p	5	10.55p	5	280	1400	11/100	<0.01	floor plan for
4	EV	6.15p	5	10.55p	5	280	1400	9½/100	<0.01	
5	EV	6.15p	5	10.55p	5	280	1400	4/100	<0.01	actual locations
6	WA	11.00	3	3.00a	3	240	720	21/100	0.01	
7	WA	11.00p	3	3.00a	3	240	720	13½/100	<0.01	for of pumps
8	EV	10.55p	5	3.10a	5	255	1275	16/100	<0.01	
9	EV	10.55p	5	3.10a	5	255	1275	14½/100	<0.01	
10	EV	10.55p	5	3.10a	5	255	1275	4/100	<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

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: WEOB
Job No.: 00-189
Name: Dijan & Nifae

Type of Sample: PCM TEM LEAD
Client: G.S.A.
Date: 8/4/00 Time on-site: 6.00p to 6.00a
Analyzed On-site: Yes Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
00-189 11	WA	3.00a	3	7.30a	3	270	810	15/two	<0.01	See attached
12	WA	3.00a	3	7.30a	3	270	810	17/two	0.01	
13	EV	3.00a	5	7.45	5	275	1375	9/two	<0.01	floor plan for
14	EV	3.00a	5	7.45	5	275	1375	5/two	<0.01	
15	EV	3.00a	5	7.45	5	275	1375	3/two	<0.01	actual locations
16	FC	8.00a	10	8.00a	10	120	1200	TEM.		
17	FC	8.00a	10	10.00a	10	120	1200			of pumps
	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 Laboratory Analysis

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	NEOB	**Chain Of Custody:**	74573
Address:	11609 Edmonston Road	**Job Location:**	Not Provided	**Date Analyzed:**	7/22/00
	Beltsville, Maryland 20705	**Job Number:**	00-189	**Person Submitting:**	Joyce Walker
		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
0050537	#7	1200	0.0742	0.0043	0	0	< 13	< 0.0043	N/P	
0050538	#8	1200	0.0742	0.0043	4 Chrysotile	0	54	0.0173	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 air samples.
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AMA Analytical Services, Inc.
AIHA (#8863) NVLAP (#1143) NY ELAP (10920)
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(301) 459-2640•(800) 346-0961•Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 74573

MAILING ADDRESS:

1. Submittal Date: 7/21/00 Job Name/location: NEOB
2. Client Name: SALUT Job #: 00-189 P.O. #:
3. Street/RFD/P.O. Box: Bill To: Salut
4. City, State, Zip: Phone #: 301-595-3787 Fax: 301-595-3787
5. Contact Person: JOYCE WALKER Submitted By: Joyce (Print) Joyce Walker (Signature)
6. **DATE & TIME RESULTS REQUIRED:** 7 / 22 / 00, **Time:** ____ AM PM ☐ **IMMED.** ☒ **24HR** ☐ **48HR** ☐ **72HR** ☐ **5-DAY** OTHER(Specify): ____ w/end

SAMPLE DATA:

1. Analysis Type: ☒ Asbestos ☐ Lead ☐ NOB - Whole (PLM/TEM) ☐ NOB Res. Ash (TEM) ☐ Other(Specify)
2. Total Number Of Samples: TEM 2 PCM ____ PLM ____ LEAD ____ OTHER (Specify) pcm upgrade
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/FT^2 ☐ OTHER ☐
5. Field Sheet Attached? YES ☐ NO ☒ If No Then Please Complete The Following:

SAMPLE ANALYSIS INFORMATION					ANALYSIS					MATRIX				
CLIENT ID NUMBER	AMA ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	TEM	PCM	PLM	LEAD	OTHER	AIR	BLANK	BULK	WIPE	OTHER
#7			7/20	1200	X					X				
#8			7/20	1200	X					X				

REPORTING DATA:

1. Verbal Results To Whom? Name: JOYCE Phone: 410-867-0125 Beeper: ____
2. Date Written Results Reqired ____ / ____ / ____ leave message

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 7 / 21 / 00 @ 1600 Via: D/O By (Print) Dana Nicodemus Sign: [signature]
2. Date/Time Analyzed: 7 / 22 / 00 @ 1745 By (Print): A Saldivar Sign: [signature]
3. Results Reported To: Joyce Walker Via: Voice mail Date: 7 / 22 / 00 Time: 1750 Initials: [initials]
4. Comments:

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	NEOB	**Chain Of Custody:**	74606
Address:	11609 Edmonston Road	**Job Location:**	3rd Floor	**Date Analyzed:**	7/23/00
	Beltsville, Maryland 20705	**Job Number:**	00-189	**Person Submitting:**	Rubin Ochoa
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** N/P **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
0050685	00-189-7-23-1	1200	0.0744	0.0043	1 Chrysotile	0	13	0.0043	IWA	
0050686	00-189-7-23-2	1200	0.0744	0.0043	0	0	< 13	< 0.0043	IWA	
0050687	00-189-7-23-3	1200	0.0744	0.0043	1 Chrysotile	0	13	0.0043	IWA	
0050688	00-189-7-23-4	1200	0.0744	0.0043	1 Chrysotile	0	13	0.0043	IWA	
0050689	00-189-7-23-5	1200	0.0744	0.0043	0	0	< 13	< 0.0043	IWA	
0050690	00-189-7-23-6	1200	0.0744	0.0043	0	0	< 13	< 0.0043	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.

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 air samples.
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CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 74606

MAILING ADDRESS:

1. Submittal Date: 7/23/00 Job Name/location: NEOB 3rd floor.
2. Client Name: SaLuT Job #: 00-189 P.O. #:
3. Street/RFD/P.O. Box: 11609 Edmonston Rd Bill To: SaLuT
4. City, State, Zip: Beltsville, MD 20705 Phone #: Fax:
5. Contact Person: ~~Rubin Ochoa 443 506 7860~~ Joyce Walker Submitted By: (Print) (Signature)

6. DATE & TIME RESULTS REQUIRED: ____ / ____ / ____, **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 ____ 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/FT^2 ☐ OTHER ☐
5. Field Sheet Attached? YES ☐ NO ☐ If No Then Please Complete The Following:

SAMPLE ANALYSIS INFORMATION					ANALYSIS					MATRIX				
CLIENT ID NUMBER	AMA ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	TEM	PCM	PLM	LEAD	OTHER	AIR	BLANK	BULK	WIPE	OTHER
00-189-7-23-1		Right rm of entrance	7/23/00	1200	TEM					✓				
00-189-7-23-2		opp. to Rm left & of corner	↓	↓	↓					↓				
00-189-7-23-3		W last Rm small	↓	↓	↓					↓				
00-189-7-234		2nd rm Right to entrance	↓	↓	↓					↓				
00-189-7-235		Far east of Rms	↓	↓	↓					↓				
00-189-7-236		20' from W wall corridor	↓	↓	↓					↓				

REPORTING DATA:

1. Verbal Results To Whom? Name: Rubin Ochoa Phone: 443 506 7860 (cell) OR Joyce Walker Beeper: 301-595-3783 (O)
2. Date Written Results Reqired ____ / ____ / ____ 410 727 7942 (O) ~~410~~ 410 [illegible]

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 7 / 23 / 00 @ 2240 Via: Drop off By (Print): Andreas Saldivar Sign:
2. Date/Time Analyzed: 7 / 24 / 00 @ 0120 By (Print): A Saldivar Sign:
3. Results Reported To: Joyce Walker, Rubin Ochoa Via: phone Date: 7 / 24 / 00 Time: 0150 Initials:
4. Comments:

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	NEOB	**Chain Of Custody:**	74061
Address:	11609 Edmonston Road	**Job Location:**	3 rd. Fl. East Wing, Inner Loop South	**Date Analyzed:**	8/6/00
	Beltsville, Maryland 20705	**Job Number:**	00-189	**Person Submitting:**	Tijan S. Nfie
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** N/P **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
0054004	00-189-FC16	1200	0.0742	0.0043	0	0	< 13	< 0.0043	N/P	
0054005	00-189-FC17	1200	0.0742	0.0043	0	0	< 13	< 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.

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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CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 74061

MAILING ADDRESS:

1. Submittal Date: 8/5/00 Job Name/location: NEOB 3rd fl East Wing, Inner Loop South
2. Client Name: Salut Job #: 00-189 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 S Nyfee (Print) [signature] (Signature)
6. **DATE & TIME RESULTS REQUIRED:** 8 / 6 / 00, Time: 8:00 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 2 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
00-189 FC16		Doorway Rm 1+7	8/5/00	1200	✓					✓				
00-189 FC17		Rm 4	↓	1200	✓					✓				

REPORTING DATA:

1. Verbal Results To Whom? Name: Ruben Ochoa Phone: Cell 443 506 7860 Beeper:
2. Date Written Results Reqired 8 / 7 / 00

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 8 / 5 / 00 @ ____ Via: DROP BOX By (Print) LBUST Sign: [signature]
2. Date/Time Analyzed: 8 / 6 / 00 @ ____ By (Print) LBUST Sign: [signature]
3. Results Reported To: T WALKOR Via: PHONE FAX Date: 8 / 6 / 00 Time: ____ Initials: [initials]
4. Comments:

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CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 74061

MAILING ADDRESS:

1. Submittal Date: 8/5/00 Job Name/location: NSOB [illegible]
2. Client Name: Salut Job #: 00-159 P.O. #: [illegible]
3. Street/RFD/P.O. Box: 11609 Edmonton Rd Bill To: Salut
4. City, State, Zip: Beltsville, MD 20705 Phone #: 301 595 3763 Fax: 301 595 3787
5. Contact Person: [illegible] Walker Submitted By: Tijan S Nyce (Print) [illegible] (Signature)
6. **DATE & TIME RESULTS REQUIRED:** 8 / 6 / 00, **Time:** [illegible] 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 2 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/FT^2 ☐ OTHER ☐
5. Field Sheet Attached? YES ☐ NO ☒ If No Then Please Complete The Following:

SAMPLE ANALYSIS INFORMATION					ANALYSIS					MATRIX				
CLIENT ID NUMBER	AMA ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	TEM	PCM	PLM	LEAD	OTHER	AIR	BLANK	BULK	WIPE	OTHER
00-159 FC16		Doorway Fm 147	8/5/00	1000	✓					✓				
00-159 FC17		[illegible]	↓	1000	✓					✓				

REPORTING DATA:

1. Verbal Results To Whom? Name: [illegible] Phone: [illegible] Beeper: _____
2. Date Written Results Reqired [illegible] / [illegible] / [illegible]

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: _____

GSA

GSA National Capital Region - Public Buildings Service
Safety, Environment & Fire Protection Branch (WPYG)

OCTOBER 12, 2000

MEMORANDUM TO: KERRY BONOS
WHITE HOUSE SDT (WPW)

FROM: TIM SLEETH, INDUSTRIAL HYGIENIST
SAFETY, ENVIRONMENT AND
FIRE PROTECTION BRANCH (WPYG)

SUBJECT: ASBESTOS ABATEMENT MONITORING
3RD FLOOR, FAN UNIT REPACEMENT
NEW EXECUTIVE OFFICE BUILDING
725 17TH ST., NW
WASHINGTON, DC

From June 17, 2000 through July 16, 2000, SaLUT, Inc. monitored the abatement of known asbestos-containing materials (ACMs) from the New Executive Office Building, located at 725 17th St., NW, Washington, DC. Asbestos abatement consisted of the removal and encapsulation of any disturbed asbestos containing material during the 3rd floor Fan Coil Unit (FCU) replacement project.

Asbestos abatement activities were conducted within "mini-containments". Additionally, wet methods and HEPA (High Efficiency Particulate Air) vacuums were utilized during abatement operations to control fiber release. During asbestos abatement operation workers utilized protective clothing and half-face HEPA respirators.

Initial air samples were collected and analyzed at the beginning of the project by Transmission Electron Microscopy (TEM). The occupancy guideline according to EPA publications is of 70 structures per square millimeter (s/mm^2). One of the initial TEM samples collected on 6-18-00 exceeded this limit. The area was immediately recleaned and resampled by TEM. The follow-up TEM analysis yielded results below the occupancy standard.

Background and environmental air monitoring samples were collected and analyzed on site by Phase Contrast Microscopy (PCM), NIOSH 7400 Method. On July 8th and 9th, 2000, several of the PCM samples yielded results greater then the Reoccupancy Standard of <0.01 fibers/cc. To determine if the fibers detected were asbestos a total of nine (9) TEM air samples were collected. All nine of the TEM samples collected yielded results below the occupancy standard of 70 s/mm^2.

Since TEM analysis demonstrated asbestos to be within the occupancy level, final clearance by PCM was utilized for the later stages of the project. All PCM final clearance samples yielded results below Reoccupancy Standard of <0.01 fibers/cc.

Should you have any questions please contact me at (202) 708-5257.

DC0105
#1604
10-11-00 / JGH / WPYG
CC: KERRY BONOS

SaLUT

Soil and Land Use Technology, Inc.

11609 Edmonston Road, Beltsville, Maryland 20705

Telephone: (301) 595-3783
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August 1, 2000

GSA, NCR, WPX
Safety & Environmental Management Division
7th & D Streets, SW, Room 2080
Washington, D.C. 20407
ATTENTION: Ms. Normajean Eleazer

Re: New Executive Office Building
Contract #: GS-11P-94-MJD-0024
Order #: P1100DC0303
Act#: P02640400
SaLUT Job #: 00-121

Dear Ms. Eleazer:

Pursuant to your request, Soil and Land Use Technology, Inc. (SaLUT) monitored asbestos abatement activities at the New Executive Office Building, 725 17th Street, NW, Washington, DC. SaLUT's industrial hygienists, Ms. Judy Allbright and Mr. Tijan N'Jie, performed all air monitoring and inspections from June 17, 2000 through July 16, 2000. The abatement contractor on site was Hillian Brothers.

During this time period, the scope of SaLUT's work included technical monitoring during the Fan Coil Unit (FCU) replacement project on the 3rd floor of the NEOB. "Mini" containments were erected at locations where access holes were cut near the fan coil units. Once the holes were cut, the contractor HEPA vacuumed any decking sprayed-on fireproofing debris and/or removed asbestos containing pipe insulation that was present. Upon completion, a penetrating encapsulant was sprayed within the wall cavity and containment area. HEPA vacuums remained operational to evacuate any possible remaining fibers.

All air samples collected before, during and after abatement were analyzed on site by Phase Contrast Microscopy, NIOSH Method 7400. The level for occupancy, as stated in the EPA guidance publications, is less than 0.01 fibers per cubic centimeter.

At the beginning phases of the project, inside and outside final air samples were collected and submitted to AMA Analytical Services, Inc. for analysis by Transmission Electron Microscopy (TEM). The criteria for occupancy, according to EPA guidance publications, are less than 70 structures per square millimeter (70s/mm2).

One work area sample exceeded this limit on June 18, 2000. The area was re-cleaned and sampled again. Results the second time yielded <70s/mm2. Further final clearance conducted using TEM was also within occupancy levels.

On July 8 and 9, 2000, several of the background and environmental samples exceeded the occupancy level of 0.01 fibers per cubic centimeter. To determine if the high fiber levels contained asbestos, further analysis of (9) samples was conducted by TEM. All samples yielded occupancy results of <70 s/mm2.

Since the beginning TEM analysis showed asbestos analyses to be within the occupancy level, final clearance by PCM was used for the latter phases of the project All samples collected by PCM yielded in results of <0.01 f/cc, the occupancy level according to EPA.

Enclosed are the daily logs, checklists, sample data sheets and laboratory analysis.

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

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IH ABATEMENT DAILY REPORT

Client: G.S.A Job No: 00-121 Date: 6/17/00 Employee: Tijan S N'fie

Project: NEOB On-Site From: 7.00a To: 5.30p

Work in Progress / Summary of Activities:

7.00a On site, signed in waited for escort to come back down, met with Hillian project manager Paul, crew bringing up neccessary supplies + equiptment. General contractors rep Tim, mark out section of walls to be cut out.

8.00a Started pumps to take back ground air samples in room 3 of office 3001, crew begins but up mini enclosures

9.30a Room 3 completed, inspected okayed for abatement to proceed, but Silvio (super for Hillian) decides to build all enclosures before starting cut out of wall and decontamination of interior floor area.

10.15a Stopped pumps, changed cassettes, becomming doubtful that all six holes could be cut, decontaminated & access door installed, crew to concentrate on rooms 3+4 to completion.

11.00a Started pumps at room 3 as crew started work, given crew to use equiptment without shroud, hose to hepa vac taped as close as possible to cutting edge to minimize dust release.

12.00p In p.p.e. went into mini enclosure, decontamination comming along very well, larger mini enclosure, as opposed

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Contaminated debris at bottom of risers.

Containment: Mini enclosure

Decon: 1 stage

PPE: 1/2 face hepa

Removal Methods: Cut out wall section, remove all gross debris, hepa vac, wipe + VAC

No. of Bags Removed 10 bags.

Abatement Contractor: Hillian

Reviewed By:

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DAILY REPORT, Contd.

Project: NEOB Job No. _____ Date: 4/17/00 Page 2 of 2

Work in Progress / Summary of Activities:

to the prefabricated mini enclosure (mouse trap), affords workers ~~danger~~ more flexibility, making for more efficient operation.

1:30p Informed enclosure in room 3 completed, did inspection after minor vacuuming, prayed to be encapsulated

1:45p Stopped pumps, retrieved ~~& analysed~~, crew to leave for lunch.

2:00p Lunch Break.

3:00p Back to work, started pumps for enclosure in room 4, crew to return tomorrow morning to do room 5.

4:30p Enclosure in room 4 completed, crew doing end of shift clean-up. Enclosure inspected + prayed to be capped, finals will be aquired.

5:30p End of shift, left site.

Employee: Ijan & N'Jie

EXHIBIT A
ASBESTOS PRE-ABATEMENT CHECKLIST

Building: NEOB

Project: NEOB

Location: 3rd fl office #3001 Rms 3 + 4

Date: 6/17/00

Removal Contractor: Hillian Brothers

Time Inspected: Rm 3 at 11.00a, Rm 4 3.00p.

Monitoring Contractor: Salut

Time Removal Began: 11.15a + 3.10p.

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. Negative Air Machine" in use?	NA	
	f. Negative pressure greater than 0.02"	NA	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ½ face PAPR ___	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	NA	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB Project: NEOB

Location: Office 3001 rooms 3 + 4. Date: 6/17/00

Removal Contractor: Hillian Brothers Time Inspected: 12.00p at Rm3, 4.00pm at Rm 4

Monitoring Contractor: Salut Time Removal Began: 11.15a, + 3.10p

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	NA	
	f. Negative pressure greater than 0.02"	NA	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ✓ face PAPR ___	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	NA	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT C
FINAL INSPECTION OF ASBESTOS ABATEMENT CHECKLIST

Building: NEOB

Project: NEOB

Location: office 3001 Rooms 3 + 4

Date: 6/17/00

Removal Contractor: Hillman Brothers

Time Inspected: 1.30p Rm 3, 4.50p at Rm 4

Monitoring Contractor: SAIII

Time Completed: 1.40p Rm 3, 5.00p Rm 4

Inspection Category	Activity to be checked	Within Limits	Problem Encountered
1. Residual Dust on:	a. Floor	✓	
	b. Horizontal Surfaces	✓	
	c. Pipes	✓	
	d. Ventilation Equipment	✓	
	e. Horizontal Surfaces	✓	
	f. Pipes	✓	
	g. Ductwork	✓	
	h. Registers	✓	
	i. Lights	✓	

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.

Location:				
Volume(liters)				
Flow Rate (liters/min)	TEM finals taken.			
Fibers/Filter				
Fibers/cc				

Analyst Analyzing Samples: _____ Date: _____

Field Notes: Describe any problems encountered during final inspection

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IH ABATEMENT DAILY REPORT

Client: G.S.A. Job No: 00-121 Date: 6/18/00 Employee: Tijan S N'Jie

Project: NEOB On-Site From: 7:00a To: 3:30p.

Work in Progress / Summary of Activities:

7:00a On site, crew to do only 3 cuts, to meet targeted number for this weekend, one each in 3019 rooms 3 4, + 5. Set up pumps to aquire ~~bag~~ background air samples, while crew puts up enclosures.

9:00a Enclosure in room 3 completed, inspected + okayed for decontamination to proceed. Hepa vaccums hooked-up, saw-all attached to one, cutting begins, with ammended water in continual spray.

10:30a Enclosure in rm 3 done, inspected okayed to be capped, crew moves on to rm 4, okayed ~~to~~ after quick inspection. Again reminded super, Silvio, that, final clearance is to be achieved every sunday, + that Hillian should beef up its crew to meet required production schedule.

12:00p Containment in rm 4 completed, inspected, capped, okayed for vaccums & rest of equiptment to be moved over to room 5. After quick pre abatement inspection, okayed for abatement to proceed.

1:00p Abatement completed, in room 5, will try to run finals in room 3 ~~[illegible]~~, hoping sprayed encapsulant would have settled down enough ~~to~~ as not to mess up cassette membrane.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Contaminated Hebris at bottom of risers within walls.

Containment: mini enclosure

Decon: 1 stage

PPE: 1/2 face hepa

Removal Methods: Cut out wall section, remove gross debris, hepa Vac, wet wipe + capp

No. of Bags Removed 3 bags

Abatement Contractor: Hillian Brothers + Sons Inc

Reviewed By:_____

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DAILY REPORT, Contd.

Project: G.S.A. Job No. 00-121 Date: 6/18/00 Page 2 of 2

Work in Progress / Summary of Activities:

3.00p Stopped pumps at room 3, retrieved cassettes, prepared slide, but when put under microscope, it became very apparent that encapsulant mist was still very present of enclosure environment, and had gotten sucked into cassette membrane.

3:30p End of shift, left site.

Employee: Tijan S. Wijie

EXHIBIT A
ASBESTOS PRE-ABATEMENT CHECKLIST

Building: NEOB Project: NEOB

Location: ~~Bldg~~ 3019 rooms 3, 4, 5 Date: 6/18/00

Removal Contractor: Hillian Brothers + Sons Inc Time Inspected: 8.55a

Monitoring Contractor: Salut Time Removal Began: 9.00a

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. Negative Air Machine" in use?	~~NA~~ ✓	
	f. Negative pressure greater than 0.02"	NA	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp HEPA ✓ Space PAPR	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	~~NA~~	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB Project: NEOB

Location: 3019 rooms 3,4+5 Date: 6/18/00

Removal Contractor: Hillian Brothers + Sons Inc Time Inspected: 10.00 a

Monitoring Contractor: SAKIT Time Removal Began: 9.00 a

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	NA	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ✓ face PAPR ___	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	NA	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT C
FINAL INSPECTION OF ASBESTOS ABATEMENT CHECKLIST

Building: NEOB Project: NEOB

Location: 3019 rooms 3, 4, + 5 Date: 6/18/00

Removal Contractor: Hillman Brothers + Sons Inc Time Inspected: 12:50p

Monitoring Contractor: SAKUT Time Completed: 1:00p

Inspection Category	Activity to be checked	Within Limits	Problem Encountered
1. Residual Dust on:	a. Floor	✓	
	b. Horizontal Surfaces	✓	
	c. Pipes	✓	
	d. Ventilation Equipment	✓	
	e. Horizontal Surfaces	✓	
	f. Pipes	✓	
	g. Ductwork	✓	
	h. Registers	✓	
	i. Lights	✓	

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.

Location:				
Volume(liters)				
Flow Rate (liters/min)	See attached p.c.m worksheet.			
Fibers/Filter				
Fibers/cc				

Analyst Analyzing Samples: _____ Date: _____

Field Notes: Describe any problems encountered during final inspection _____

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IH ABATEMENT DAILY REPORT

Client: G.S.A. Job No: 00-121 Date: 6/29/00 Employee: Tijan S. N'Jie

Project: NEOB On-Site From: 7.00a To: 5.30p

Work in Progress / Summary of Activities:

7.00a Signed in, went through security, cleared in, to wait downstairs till abatement crew shows up.

7.30a Crew on site, half of crew not on list, will have to wait, for them to be given temporary clearance.

8.15a On 3rd floor east workarea, crew proceeds to set up mini-enclosures

9.30a Mini enclosure in rooms completed, inspected, cleared for abatement to proceed, set up pumps. Instructed abatement supervisor that all utility access door, once installed, to be shut & to remain so, as the space within wall still contaminated.

10.00a Abatement supervisor, Silvio, doesn't believe that his crew wouldn't complete all 20 holes as schedule, proposed working a full day tomorrow, to meet this goal. Consulted with escort supervisor, Dorie, who stayed that escorts for tomorrow could stay till 5.30p as opposed to only 12.00p.

11.30a Cut out of wall section & installation of utility access door completed, fine cleaning in progress.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Clean-up of asbestos contaminated ~~door~~ debris

Containment: Mini enclosures

Decon: Double suits & wash buckets

PPE: 1/2 face hepa

Removal Methods: pick-up gross, vacuum, wet wipe & encapsulation.

No. of Bags Removed

Abatement Contractor: Hillian Brothers & Sons Co.

Reviewed By:

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DAILY REPORT, Contd.

Project: NEOB Job No. _____ Date: 6/24/00 Page 2 of 2

Work in Progress / Summary of Activities:

12.00p Lunch break
1.00p Back to work
1.30p Enclosure in room 6 completed, inspected & okayed to be capped, spoke to super, about looking over completed areas before calling me in to do inspection, as debris 9 observed ealier, he could have detected & had cleaned.
1.30p Set-up pumps in room 2, fine cleaning worker to start in room 8 when done with encapsulation of room 6
2.00p All workarea cassettes overloaded, will turn down workarea pumps to 1.5 Lpm, in ~~that~~ the hope that less dust will be collected to obscure fibers.
2.30p Mini enclosure in rm 8 completed, inspected, ~~after~~ entire area within ~~floor~~ walls to be vaccummed again, as visible debris, was still in plain view. Informed that unit in room 4 was ready for pre-abatement inspection, proceed to do inspection, then okayed for abatement to go ahead.
4.00p Decontamination completed in room 2, inspected and okayed to be encapsulated. All in crew to fall back to rooms already completed, and vaccum entire floors outside enclosure, then wipe down ~~floors~~ walls and horizontal surfaces
5.20p All abatement completed, abatement supervisor Silvio agrees to provide two extra hepa vaccums to help in air exchange also to do only one enclosure at a time, using the only airless sprayer available to help keep dust down.
5.30p End of shift left site

Employee: Tijan S Nijie

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IH ABATEMENT DAILY REPORT

Client: G.S.A Job No: 00-121 Date: 6/25/00 Employee: Tijan S. N'jie

Project: NEOB On-Site From: 4.00a To: 5.30p

Work in Progress / Summary of Activities:

4.00a On site, signed in, got through security, waited for all of abatement crew to be allowed in.

4.30a In workarea, started final clearance samples in completed enclosures, got as crew got ready to start abatement.

8.00a Informed enclosure in 3001 room 3 was ready for pre-abatement inspection, inspection completed started pumps.

8.30a Mini-enclosure at 3019 room 3 ready for pre-abatement inspection, found containment okay, gave go ahead for work to proceed, set up pumps. Abatement super, Silvio to have airless spray going through cutting phase, so as to minimize dust release.

9.30a At 3019 room 3, on walking into room past 1 stage decon set up at door, even though invisible, one could smell dust in general environment of room, called in super, explained to him, that in order for set up to work as designed, a second worker will have to be present, to have a continuous spray of ammended water to keep dust level down.

11.00a Cutting and installation of utility access doors completed hepa vacuumming phase in progress, in p.p.e. went into enclosure, on close observation of floor area

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Contaminated debris at bottom of risers on floor between inner & outter walls

Containment: mini enclosure

Decon: 1 stage

PPE: ½ face hepa, tyvek suits & gloves.

Removal Methods: Wet cutting, hepa vacuumming

No. of Bags Removed 24

Abatement Contractor: Hillian Brothers & Sons.

Reviewed By:_____

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DAILY REPORT, Contd.

Project: NEOB Job No. 00-121 Date: 6/25/00 Page 2 of 2

Work in Progress / Summary of Activities:

noticed, that fireproofing that had fallen on to floor during application, and was left in place, this, in addition to all the fibers that had fallen off fireproofing over time, could explain, the consistantly high fiber counts being experienced, both in workarea & environmental air samples being collected during abatement. It is therefore prudent to use a mini mircotrap as opposed to vaccum being used at the moment.

12.00p Fine cleaning completed in room 3, inspected & okayed to be encapsulated

12.30p Lunch break.

1.30p Back to work, crew moves neccessary equiptment to 3019 room 4, enclosure inspected and okayed for ~~abatement~~ decontamination to proceed.

2.00p In p.p.e. went into current enclosure being worked on, noticed a piece of duct tape had be put on mouth of cassette, called in supervisor Silvio, explained to him that, at this stage, it is imperative to collect proper data, so as to decide best procedure to do project, and it in no way would call into question his or the crews ability to do project.

3.30p Rm 4 completed, inspected & okayed to be capped after utility door had been installed, equiptment + crew move on to last + final enclosure for the day.

5.15p Informed room 5 ready for final inspection, went in, did inspection, okayed for area to be encapsulated stopped pumps, retrieved + analysed cassettes, then recorded data

5.30p End of shift, left site.

Employee: Vijan S N'fie

EXHIBIT A
ASBESTOS PRE-ABATEMENT CHECKLIST

Building: NEOB Project: NEOB

Location: 3001 room 3 + 3019 rooms 3, 4 + 5 Date: 6/25/00

Removal Contractor: Hillian Brothers + Sons Inc Time Inspected: 8:30a

Monitoring Contractor: Salut Time Removal Began: 8:35a

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. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	NA	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp HEPA 1/2 aa PAPR	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	NA	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB

Project: NEOB

Location: 3001 room 3, 3019 rooms 3, 4 + 5

Date: 6/25/00

Removal Contractor: Hillman Brothers + Sons Inc

Time Inspected: 9.30a

Monitoring Contractor: Sabur

Time Removal Began: 8.35

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	NA	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ½ face PAPR ___	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	NA	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT C
FINAL INSPECTION OF ASBESTOS ABATEMENT CHECKLIST

Building: NEOB Project: NEOB

Location: 3001 room 3, 3019 rooms 3, 4 + 5 Date: 6/25/00

Removal Contractor: Hillian Brothers + Sons Inc Time Inspected: _____

Monitoring Contractor: Salut Time Completed: _____

Inspection Category	Activity to be checked	Within Limits	Problem Encountered
1. Residual Dust on:	a. Floor	✓	
	b. Horizontal Surfaces	✓	
	c. Pipes	✓	
	d. Ventilation Equipment	✓	
	e. Horizontal Surfaces	✓	
	f. Pipes	✓	
	g. Ductwork	✓	
	h. Registers	✓	
	i. Lights	✓	

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.

Location:				
Volume(liters)				
Flow Rate (liters/min)	See attached pcm Sheet.			
Fibers/Filter				
Fibers/cc				

Analyst Analyzing Samples: _____ Date: _____

Field Notes: Describe any problems encountered during final inspection _____

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB

Project: White House Complex

Location: 3rd fl East

Date: 6/29/00

Removal Contractor: Hillian Brothers

Time Inspected: 9:20a

Monitoring Contractor: Sahit

Time Removal Began: 8:15a

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	NA	
	f. Negative pressure greater than 0.02"	NA	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA 1/2 aca PAPR ___	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	NA	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

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IH ABATEMENT DAILY REPORT

Client: G.S.A. Job No: 00-121 Date: 7/8/00 Employee: Tyron S. N'jie

Project: NEOB On-Site From: 7:00a To:

Work in Progress / Summary of Activities:

7:00a On site, waited for abatement crew to all get on site before being allowed on to floors

7:30a Signed in, proceeded up to floors, went over scope of work for the day with G.S.A. rep Tim & Silvio super for abatement company, set-up pumps to aquire background air samples.

8:15a No poles brought in for prop-up decons, Silvio to call his office to have some brought in.

10:30a Inspected mini enclosure in room #4, crew to do minor repairs, then okayed for abatement to proceed. Set up monitoring pumps.

12:00p Lunch break.

1:00p Back to work, workers to go back into Rm 4 enclosure to finish up

1:15p Silvio wants to go into Rm 6 enclosure but doesn't have extra equipment i.e sprayers & vaccums. He promises to have on hand tomorrow enough equipment, materials & manpower to properly staff & equipt project, was warned that if not, slow down of project will be their responsibility entirely.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Decontamination of area within inner & outter walls for HVAC upgrade

Containment: mini enclosure

Decon: 1 stage

PPE: ½ face hepa, tyvek suits, & gloves.

Removal Methods: wet cut, vaccumming & wiping

No. of Bags Removed

Abatement Contractor: Hillian Brothers & Sons Inc.

Reviewed By:

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DAILY REPORT, Contd.

Project: NEOB Job No. _____ Date: 7/8/00 Page 2 of 2

Work in Progress / Summary of Activities:

2:30p Again because of lack of equipment, crew doing cutting getting much further that clean-up crew, asked super to have cutout crew, to double back and help clean-up workers catch up. In p.p.e went into RMS enclosure, immediatly noticed that pcm cassette's opening had been covered with duct tape, called super into enclosure, pointed out to him that very important data had been compromised, & should never happen again.

3:30p Discussed with super, the fact that, should we move into occupied areas, enough time will be required between completion of abatement, acquiring final clearance air samples + projected end of shift time, so as to be able to effect, necessary repairs i.e adhesive residue removal, spackling of walls + repainting.

4:30p Crew to concentrate on last mini enclosure to be done on this shift. Reminded Silvio (super) that the vent of HVAC will continue to be criticalled off, till such time that C.S.A. gives different directives.

5:30p End of shift, left site.

Employee: Ryan S. N'jie

EXHIBIT A
ASBESTOS PRE-ABATEMENT CHECKLIST

Building: NEOB

Project: NEOB

Location: 3rd fl East wing, Outlier loop priority 2 area

Date: 4/8/00

Removal Contractor: Hillian Brothers & Sons Inc

Time Inspected: 10:30a

Monitoring Contractor: Safe

Time Removal Began: 10:52a

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. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	NA	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ✓ PAPR ___	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	NA	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB Project: NEOB

Location: 3rd fl priority 2 Area Date: 4/8/00

Removal Contractor: Hillian Brothers Time Inspected: 2:30p

Monitoring Contractor: Salut Time Removal Began: 10:52a

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	NA	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	—	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ✓ face PAPR ✓	
	c. Proper Decontamination sequence followed		
4. Showers	a. Functioning?	NA	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	—	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

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IH ABATEMENT DAILY REPORT

Client: G.S.A. Job No: 00-121 Date 7/9/00 Employee: Tijan S. N'Jie

Project: NEOB On-Site From: 6:30a To:

Work in Progress / Summary of Activities:

6:30a On site, few of abatement workers hadn't been cleared for access into building, Dori on hand finally secures okay for all to be allowed in.

7:20a Started pumps to aquire final air samples at areas completed yesterday. Crew to do few minor repairs at 3001 room 4 mini enclosure.

7:30a Did pre-abatement inspection at rm 4, okayed for abatement to proceed. The rest of ~~building~~ crews at west wing of building, north street side; refer to attached floor plan for actual location, last location in priority 2 area being worked on, at 3001 room 4.

9:00a Mentioned to abatement super, Silvio, that in order to get clearance to tear down all mini enclosures, all decontamination should be completed no later than 3:00pm. Assures me that all containments to be build, before abatement started.

10:00a Final samples stopped, cassettes retrieved & analyzed Silvio, informed all had passed & could be torn down at anytime.

11:00a All mini enclosures up & ready to go except one, once all completed crew to take lunch break.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Decontamination of area within inner & outter walls for HVAC upgrade

Containment: mini enclosure

Decon: 1 Stage

PPE: ½ face, hepa/tyvek suits + gloves.

Removal Methods: wet cut, hepa vac + wet wipe, then encapsulation

No. of Bags Removed

Abatement Contractor: Hillman Brothers.

Reviewed By:

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DAILY REPORT, Contd.

Project: NEOB Job No. _____ Date: 4/8/00 Page 2 of 2

Work in Progress / Summary of Activities:

12:00p Started pump to aquire final air clearance sampling at 3001 room 4, all containments ready to go at west wing, outter loop north, ~~clea~~ crew on lunch break.

1:20p Crew back from lunch, getting into p.p.e. to proceed with abatement, again super Silvio, to work as fast as possible, so as to be able to run finals today.

2:00p Stopped pumps at 3001 room 4, retrieved & analysed cassettes, super informed that it passed & could be torn down.

2:20p Informed that the 1st enclosure was ready for post abatement inspection, in p.p.e. about to enter enclosure, noticed that cassette had been repositioned away from ~~do~~ entrance of decon, again tried by best to inform supervisor Silvio that I was trying to collect very important data, and that if for any reason my sampling equipment was interferred with I will stop all further abatement & G.S.A. informed.

3:00p Started final sampling at 1st enclosure, hoping sprayed encapsulant would have settled enough, so it won't compromise membrane in cassette.

4:45p last of enclosures completed, inspected & encapsulated

5:00p Stopped pump at 1st enclosure, prepared slide but unfortunately, enough encapsulant was on membrane to render unreadable, informed super that collection of final air samples will be done tomorrow

5:30p End of shift, left site.

Employee: Tyan S W'Jo

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IH ABATEMENT DAILY REPORT

Client: G.S.A Job No: 00-121 Date 7/12/10 Employee: Tijan S N'Jie

Project: NEOB On-Site From: 1.00p To: 12.00am

Work in Progress / Summary of Activities:

1.00p Left Salut office, to retrieve p.c.m cassettes from NEOB & have dropped off at AMA Lab for TEM analysis.

1.50p Picked up required cassettes, left site of AMA lab.

3.30p Samples dropped off at lab, headed back to NEOB to run background air samples in Rm 3234.

5.10p On site, apprantely no escort on hand, Ms Keri Bonos was called & message left on voice mail.

6.00p Finally allowed on to floor, but door to room 3234 locked. Keri shows up in time to have security open door.

6.50p Started pumps to aquire background air samples, informed that Hillian's abatement crew will be on site at 7.00pm.

7.20p Hillian's abatement crew on site, informed Super Silvio, that mircotraps & baffells, will be needed to do any abatement as of now. He, Silvio, in turn consults with his project manager Paul Goddier, who informs me, that he had spoken to Tim Sleeth, who had given him okay to just use hepa vaccums. Called Tim to confirm, unavaiable, so left messages at all his avaiable #'s

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Decontamination of area within wall for HVAC upgrade.

Containment: Mini enclosure

Decon: 1 stage

PPE: 1/2 face hepa / suite + gloves.

Removal Methods: wet cut, Vaccum (hepa) + wet wiping

No. of Bags Removed

Abatement Contractor: Hillian Brothers + Sons Inc.

Reviewed By:_____

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DAILY REPORT, Contd.

Project: NEOB Job No. _____ Date: 4/12/00 Page 2 of 2

Work in Progress / Summary of Activities:

8:00p Tim Steeth returns call, confirms the fact that he had indeed spoken to Paul, and that it was okay to just use hepa vacuums

8:50p Stopped BG pumps, enclosures almost completed, super believes will be ready for pre-abatement inspection shortly.

9:20p Did pre-abatement inspection at 3234 room 1, okayed for abatement to proceed

10:00p In p.p.e. went into enclosure, insist that airless sprayer be continually going to minimize airborne fibers + dust.

10:40p Informed enclosure at 3234 room 1 ready for final inspection, Crew shows down with system, progressively getting better as project advances, okayed for it to be capped.

10:50p Pre abatement inspection completed, okayed for abatement to proceed, pumps on.

11:40p 2nd enclosure completed, inspected, then okayed to be encapsulated, both decons to be sealed, finals to be run in the morning.

12:00a End of shift, left site.

Employee: Tijan S. Njie

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IH ABATEMENT DAILY REPORT

Client: G.S.A Job No: 00-21 Date: 1/13/10 Employee: Tijan S. Wife

Project: NEOB On-Site From: 12.00p To: 3.00p

Work in Progress / Summary of Activities:

12.00p On site, signed in, proceeded up to 3rd floor set-up pumps to aquire background air clearance samples.

2.30p Stopped all pumps, retrieved & analyzed 3 cassettes, recorded data. All parties informed of results, & that enclosures were cleared.

3.00p End of shift, left site

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Decontamination of area within Gutter & inner wall for HVAC modernisation

Containment: Mini enclosure

Decon: 1 stage

PPE: ½ face hepa / Suits / gloves

Removal Methods: wet cutting, hepa vacuumming, wet wiping

Abatement Contractor: Hilliar Brothers + Sons Inc

Reviewed By: _____

EXHIBIT A
ASBESTOS PRE-ABATEMENT CHECKLIST

Building: NEOB

Project: NEOB

Location: 3rd West wing North Rm 3234

Date: 4/12/00

Removal Contractor: Hillian Brothers + Sons

Time Inspected: 9.20p, 10.40p

Monitoring Contractor: Salut

Time Removal Began: 9.29p 10.50p

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. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	NA	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ½ face PAPR ___	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	NA	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB

Project: NEOB

Location: Rm 3234

Date: 7/12/00

Removal Contractor: Hillian Brothers & Sons

Time Inspected: 10:00 p (1st), 11:00 p (2nd)

Monitoring Contractor: Solut

Time Removal Began: 9:29 p, 10:50 p

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	NA	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ½ face ___ PAPR ___	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	NA	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT C
FINAL INSPECTION OF ASBESTOS ABATEMENT CHECKLIST

Building: NEOB Project: NEOB

Location: Rm 3234 Date: 4/12/00

Removal Contractor: Hillman Brothers + Sons Time Inspected: 11:40p

Monitoring Contractor: Salut Time Completed: 11:45p

Inspection Category	Activity to be checked	Within Limits	Problem Encountered
1. Residual Dust on:	a. Floor	✓	
	b. Horizontal Surfaces	✓	
	c. Pipes	✓	
	d. Ventilation Equipment	✓	
	e. Horizontal Surfaces	✓	
	f. Pipes	✓	
	g. Ductwork	✓	
	h. Registers	✓	
	i. Lights	✓	

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.

Location:				
Volume(liters)				
Flow Rate (liters/min)	See attached p-c-m sheet			
Fibers/Filter				
Fibers/cc				

Analyst Analyzing Samples: _____ Date: _____

Field Notes: Describe any problems encountered during final inspection _____

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IH ABATEMENT DAILY REPORT

Client: G.S.A. Job No: 00121 Date 7/14/10 Employee: Tijan & Njie

Project: NEOB On-Site From: 6:00 p To: 10:00p

Work in Progress / Summary of Activities:

6:30p On site, signed, walked designated workareas with 2nd I.H. Judy Allbright, + G.S.A rep Keri Bonas. Then proceeded to set up pumps to acquire background air samples.

7:30p Informed by Ms Bonas that Williams abatement crew will not show up tonight, so to go ahead with background air sampling, & call it a night when done.

9:04p Stopped pump, retrieved, analyzed cassette, recorded data, then left site.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations):

Containment:

Decon:

PPE:

Removal Methods:

Abatement Contractor:

Reviewed By:

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IH ABATEMENT DAILY REPORT

Client: GSA Job No: _____ Date 7-15 7-14 Employee: Judy Albright

Project: OEOB On-Site From: 8:00 To: See NEBB

Work in Progress / Summary of Activities:

7/13 8:00 Inspected glove bags hung in hallway outside room D79. Six bags are hanging on large steam pipe line. One line is parallel with the hall - the other runs perpendicular above many many pipes.

Finals will be run as working finals tomorrow morning.

The other area to be prepped tomorrow AM is in room 4 of the OEOB. The pipe is vertical and requires three bags

7/14 Crew of two plus supervisor Renee Guevara is ready to remove. Demolition is going on in the adjoining room and might interfere with obtaining a clean sample. Jim Fisher asks the crew to delay demolition until finals are complete. Working final is running

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): ACM on Steam Pipes

Containment: Mini - Criticals

Decon: No

PPE: 1/2 Face

Removal Methods:

Abatement Contractor: EDS

Reviewed By: _____

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DAILY REPORT, Contd.

Project: OEOB Job No. _____ Date: 7-14-00 Page 2 of 2

Work in Progress / Summary of Activities:

9:00 Inspection of area = very clean - OK to remove glove bags.

AM 10:00 Move to 079 area. Setup is complete and inspected - however, pipe containing glove bags is too hot to touch. Jim Fisher asks that pipe be shut down. Work will begin at 6:00 tonight.

1 6:00 PM - Return to 079 - Removal of glove bags begins. Some loose asbestos lies on top many pipes running through area. Pipes are still extremely hot. Nelson burns himself on steam line. Jim Fisher takes care of injury

9:00 Inspection of area - outstanding OK to encapsulate.

Working Final 20.01

Employee: Judy Pellegrino

EXHIBIT A
ASBESTOS PRE-ABATEMENT CHECKLIST

Building: QEOB

Project: _____

Location: Basement - 079

Date: 7.15.2006

Removal Contractor: EDS

Time Inspected: 6:30 (10:AM First)

Monitoring Contractor: Sabut

Time Removal Began: 6:30

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. Negative Air Machine" in use?		
	f. Negative pressure greater than 0.02"	Vac.	
2. Signage	a. Caution signs at vestibule entry		
	b. OSHA ASBESTOS SIGN		
	c. Dumpster, drums and bags labeled		

Glove Bag

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use		
	e. Material Kept wet until bagged		
3. Worker Protection	a. Disposable Clothing used one time		
	b. Proper NIOSH Respirators	Disp ✓ HEPA PAPR	
	c. Proper Decontamination sequence followed		
4. Showers	a. Functioning?		
	b. Soap & Towels?		
	c. Used each Departure?		
5. Work Habits In Work Area	a. No Smoking		
	b. No eating/drinking		

FIELD NOTES: Describe any problems encountered _____

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: QEDB

Project: _____

Location: 079

Date: 7-15-2000

Removal Contractor: EDS

Time Inspected: 6:30

Monitoring Contractor: SahVT

Time Removal Began: 9:00

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. Glove Bag Project	✓	
	e. Negative Air Machine" in use?		
	f. Negative pressure greater than 0.02"		
2. Signage	a. Caution signs at vestibule entry		
	b. OSHA ASBESTOS SIGN		
	c. Dumpster, drums and bags labeled		
	d. HEPA Vacuum in use		
	e. Material Kept wet until bagged		
3. Worker Protection	a. Disposable Clothing used one time		
	b. Proper NIOSH Respirators	Disp HEPA ✓ PAPR	
	c. Proper Decontamination sequence followed		
4. Showers	a. Functioning?		
	b. Soap & Towels?		
	c. Used each Departure?		
5. Work Habits In Work Area	a. No Smoking		
	b. No eating/drinking		
6. Work Practices	a. Hammers, Saws, etc NOT in use		
	b. Removed Material Promptly Bagged		
	c. Debris Stored Properly		

FIELD NOTES: Describe any problems encountered _____

EXHIBIT C

FINAL INSPECTION OF ASBESTOS ABATEMENT CHECKLIST

Building: OEOB

Project: _____

Location: 079

Date: 7-15-2000

Removal Contractor: EDS

Time Inspected: 9:00

Monitoring Contractor: JeWT

Time Completed: 10:00

Inspection Category	Activity to be checked	Within Limits	Problem Encountered
1. Residual Dust on:	a. Floor	✓	
	b. Horizontal Surfaces	✓	
	c. Pipes	✓	
	d. Ventilation Equipment	✓	
	e. Horizontal Surfaces	✓	
	f. Pipes	✓	
	g. Ductwork	✓	
	h. Registers	✓	
	i. Lights	✓	

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.

Location:	079			
Volume(liters)	1200			
Flow Rate (liters/min)	10.0			
Fibers/Filter	<100			
Fibers/cc	<0.01			

Analyst Analyzing Samples: Judy Rehmpt Date: 7-15-00

Field Notes: Describe any problems encountered during final inspection

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IH ABATEMENT DAILY REPORT

Client: G.S.A Job No: 00-121 Date: 7/15/00 Employee: Tijan & Wijie

Project: NEOB On-Site From: 6:30a To: 8:30p

Work in Progress / Summary of Activities:

6:30a On site, waited outside building for whole crew to assemble, before being escorted into building.

7:00a In workarea, went over designated scope for the day, & changes in procedure with both Crunlay reps & Hillian reps. Set up background samples in priority 5 area.

7:30a Prep work proceeding in priority 4 area, with entire floor within rooms being covered with 6ml poly prior to putting up mini enclosure.

10:00a Stopped background sampling, Dori to get secret service to try to open room 1 in priority 5 area, prep work still on going in priority 4 area.

11:30a Set-up completed in priority 4 area, abatement super. to go on lunch break now, to do pre abatement inspection on return of crew.

12:30p Crew back from lunch break, informed all enclosures ready for pre-abatement inspection, looked over enclosure #A in room 3 priority 4 workarea, all necessary equipment hooked-up & ready to go, showed for abatement to proceed, 3 holes to be cut in unit A.

1:30p In p.p.e. went into enclosure, keeping airless on contin

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Decontamination of designated areas within outter & inner walls for HVAC upgrade

Containment: Mini enclosures

Decon: 1 stage

PPE: ½ face hepa, suits & gloves

Removal Methods: Wet cutting/wiping + vaccumming

No. of Bags Removed 14 bags total.

Abatement Contractor: Hillian Porothors + Sons Inc.

Reviewed By:_____

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DAILY REPORT, Contd.

Project: NEOB Job No. _____ Date: 4/15/00 Page ____ of ____

Work in Progress / Summary of Activities:

continuously in such a small space, is causing a fog like atmosphere to develop, higher frequency of air exchange necessary to properly evacuate air.

3.20p Informed enclosure in room 3 was completed, on doing inspection, had a worker bring vaccum back in to better take up all visible debris, will reinspect on completion of re cleaning.

3.50p Enclosure re-cleaned inspected & cleared to be encapsulated stopped pumps, retrieved & analyzed cassettes, recorded data

4.00p Enclosure in room 1 inspected, cleared for decontamination to proceed. Containment A in room 3 capped, will wait atleast a couple of hours before running finals, hoping encapsulant mist would have settled down enough.

5.00p Given that only 1 hole to be cut, enclosure ready for final inspection, took over area, commend Juan on job well done, had area capped.

5.15p Started finals at room 3 enclosure A.

5.50p Started finals at room 1 enclosure.

7.15p Stopped pump in room 3, retrieved & tried to analyze cassette, but enough encapsulant had been sucked into to compromise my sampling.

7.50p Again stopped pump at room 1, same results in that encapsulant was sucked into membrane, will wait till tomorrow morning to retake samples.

8.30p End of shift left site.

Employee: Tijan S. Njie

EXHIBIT A
ASBESTOS PRE-ABATEMENT CHECKLIST

Building: NEOB 3rd fl West outlier loop Project: NEOB

Location: Priority 4 Area Date: 4/15/00

Removal Contractor: Hillian Brothers & Sons Inc Time Inspected: 12.45 p

Monitoring Contractor: Safety Time Removal Began: 1.52 p

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. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	NA	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA 1/2 face PAPR ___	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	NA	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB 3rd fl west, outter loop Project: NEOB

Location: Priority 4 area Rm 3 Enclosure A Date: 7/15/00

Removal Contractor: Hillian Brothers + Sons Inc Time Inspected: 1:30p.

Monitoring Contractor: Salut Time Removal Began: 1:52p

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	NA	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ½ face PAPR ___	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	NA	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT C
FINAL INSPECTION OF ASBESTOS ABATEMENT CHECKLIST

Building: 3rd NEOB Project: NEOB

Location: Priority 4 rooms 3+1 Date: 4/15/00

Removal Contractor: Hillian Brothers + Sons Inc Time Inspected: 3:50 p

Monitoring Contractor: _____ Time Completed: 3:40 p

Inspection Category	Activity to be checked	Within Limits	Problem Encountered
1. Residual Dust on:	a. Floor	✓	
	b. Horizontal Surfaces	✓	
	c. Pipes	✓	
	d. Ventilation Equipment	✓	
	e. Horizontal Surfaces	✓	
	f. Pipes	✓	
	g. Ductwork	✓	
	h. Registers	✓	
	i. Lights	✓	

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.

Location:				
Volume(liters)				
Flow Rate (liters/min)	See attached pcm worksheet.			
Fibers/Filter				
Fibers/cc				

Analyst Analyzing Samples: _____ Date: _____

Field Notes: Describe any problems encountered during final inspection _____

BG1

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

1

Fibers/Fields: 20/100

BG2

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

2

Fibers/Fields: 13 1/2/100

BG3

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

3

Fibers/Fields: 12 1/2/100

WA4

1		2	1	1
1	1 1/2	1/2	1	2 1/2
	1 1/2		2	
1	1 1/2		1/2	
3 1/2				1/2
1/2		2		2 1/2
	1			1
1		1		1
	1		1	1
		1/2		
			1	
	1/2	1/2	2	
				1
		1/2		
				1
		1		
	1/2			
			1/2	1/2
			1	1

4

Fibers/Fields: 46 1/2/100

EU5

1/2				
		1		1
1/2	1/2	1		
	1		1	
1			1	
1			1	
1			3	
1				
	1			1/2
		1/2		1
	1			
				1
		1		
1		1		
1		1		
			1	1/2
				1
		1		

5

Fibers/Fields: 29/100

QA

Fibers/Fields:

Fibers/mm²:

WA6

1			2	
				1
			1	
3		1		1 1/2
				1
				1
			1	
1		1		
1				
1				
				1
	1			

6

Fibers/Fields: 19 1/2/100

EU7

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

7

Fibers/Fields: 10/100

8

Fibers/Fields:

9

Fibers/Fields:

10

Fibers/Fields:

QC

Fibers/Fields:

Fibers/mm²:

Fibers/cc=49.04 X (Fibers/Fields)/Volume

Fibers/mm²= Fibers/Fields/0.00785

SaLUT

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IH ABATEMENT DAILY REPORT

Client: GSA Job No: 00-121 Date 7-15 Employee: Judy Allbright

Project: NEOB On-Site From: 6:30AM To: 10:30PM

Work in Progress / Summary of Activities:

6:30- On site - only three persons.
7:30 - In building - Hilliard on hand to begin set up in area 4. Crew will build containments in three rooms - The first area containment is to cut three holes in the first, two in the second and ~~one~~ two in the third and one in the fourth.
8:00 Make trip to OEOB to cover two glove bag removal.
11:00 Return from OEOB
11:30 Break for lunch

12:30 Return to work - Tigan and I will alternate covering containments for work area and environmental samples

2:40 Containment #2 inspected and ready for work.

3:00 Containment #3 inspected and ready for work.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Holes cut in walls - sprayed on ACM is being monitored for detachment

Containment: Yes

Decon: One stage

PPE: 1/2 face

Removal Methods: Wet

No. of Bags Removed

Abatement Contractor: Hilliard

Reviewed By:_____

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DAILY REPORT, Contd.

Project: NEOB Job No. _____ Date: 7-14 Page 2 of 2

Work in Progress / Summary of Activities:

4:00 - Containment #2 inspected - OK to encapsulate. Clean up is excellent.

4:30 Containment #3 OK to encapsulate Clean up excellent

6:00 All finals up & running

OEOB at 6:00 to work outside

8:00 Finals off - All <0.01

10:30 Supplies up & off

Employee: Judy Allmept

EXHIBIT A
ASBESTOS PRE-ABATEMENT CHECKLIST

Building: NEOB

Project:

Location: 3rd Floor

Date: 7-15-2000

Removal Contractor: Hillian

Time Inspected: 2:40 / 3:00

Monitoring Contractor: SaLUT

Time Removal Began: 2:40/3:00

Inspection Category	Activity to be Checked	Within Limits #2	Within Limits #3	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. Negative Air Machine" in use?	YAC		
	f. Negative pressure greater than 0.02"	—		
2. Signage	a. Caution signs at vestibule entry	✓	✓	
	b. OSHA ASBESTOS SIGN	✓	✓	
	c. Dumpster, drums and bags labeled	✓	✓	

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use	✓ ✓	
	e. Material Kept wet until bagged	✓ ✓	
3. Worker Protection	a. Disposable Clothing used one time	✓ ✓	
	b. Proper NIOSH Respirators	Disp___ HEPA ✓ PAPR___	
	c. Proper Decontamination sequence followed	✓ ✓	
4. Showers	a. Functioning?	NA	
	b. Soap & Towels?		
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓ ✓	
	b. No eating/drinking	✓ ✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB

Project:

Location: 3rd Floor

Date: 7·15·2000

Removal Contractor: Hillian

Time Inspected: 2:40 / 3:00

Monitoring Contractor: JaLVT

Time Removal Began: 2:40 / 3:00

Inspection Category	Activity to be Checked	Within Limits #2	Within Limits #3	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	✓	
	b. Decontamination Curtains	✓	✓	
	c. Seals around ducts, windows and doors	✓	✓	
	d. Glove Bag Project	✓	✓	
	e. Negative Air Machine" in use?	✓	✓	
	f. Negative pressure greater than 0.02"	✓	✓	
2. Signage	a. Caution signs at vestibule entry	✓	✓	
	b. OSHA ASBESTOS SIGN	✓	✓	
	c. Dumpster, drums and bags labeled	✓	✓	

Inspection Category	Activity to be Checked	Within Limits #2	Within Limits #3	Problem Encountered
	d. HEPA Vacuum in use	✓	✓	
	e. Material Kept wet until bagged	✓	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ✓ PAPR ___		
	c. Proper Decontamination sequence followed	✓	✓	
4. Showers	a. Functioning?	✓	✓	
	b. Soap & Towels?	✓	✓	
	c. Used each Departure?	✓	✓	
5. Work Habits In Work Area	a. No Smoking	✓	✓	
	b. No eating/drinking	✓	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	✓	
	b. Removed Material Promptly Bagged	✓	✓	
	c. Debris Stored Properly	✓	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT C
FINAL INSPECTION OF ASBESTOS ABATEMENT CHECKLIST

Building: NEDB

Project:

Location: 3rd Floor

Date: 7:15

Removal Contractor: Williard

Time Inspected: 2:40 - 3:00

Monitoring Contractor: SeaWST

Time Completed: 8:00 PM

Inspection Category	Activity to be checked	Within Limits #2	Within Limits #3	Problem Encountered
1. Residual Dust on:	a. Floor	✓	✓	
	b. Horizontal Surfaces	✓	✓	
	c. Pipes	✓	✓	
	d. Ventilation Equipment	✓	✓	
	e. Horizontal Surfaces	✓	✓	
	f. Pipes	✓	✓	
	g. Ductwork	✓	✓	
	h. Registers	✓	✓	
	i. Lights	✓	✓	

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.

	#2	#3		
Location:	Center	Center		
Volume(liters)	1200	1200		
Flow Rate (liters/min)	10.0	10.0		
Fibers/Filter	2/100	3/100		
Fibers/cc	<0.01	<0.01		

Analyst Analyzing Samples: Judy Allright Date: 7.15

Field Notes: Describe any problems encountered during final inspection

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IH ABATEMENT DAILY REPORT

Client: GSA Job No: 02-121 Date 7-16 Employee: Judy Allbright

Project: NEOB On-Site From: 6:30 To: 4:30

Work in Progress / Summary of Activities:

6:30 - On site. Two containments are set up; three more remain in suites 3221 and 3215.

7:30 Removal (wall cutting begins in 3221 North. After removal begins - ~~a wall tile~~ ceiling tile has been moved aside. At the same time ~~the~~ adjoining room is being moved aside when I noticed the other moved. This may affect fiber counts on the environmental.

8:30 Cutting continues. Set up also continues in three adjacent rooms.

9:30 Ready to encapsulate 3221 North.
Inspection of set up in 3215. OK to begin work.
Work uneventful - crew does very nice job of cleaning. Prompt use of encapsulate soon after cleaning will facilitate clearing containments.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Some spray-on

Containment: Yes

Decon: ~~Yes~~ Two stage

PPE: ½ face

Removal Methods: Vac-Wet

Abatement Contractor: Hilliard

Reviewed By: _____

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DAILY REPORT, Contd.

Project: NEDB Job No. _____ Date: 7.16.00 Page 2 of 2

Work in Progress / Summary of Activities:

10:45 Removal and cutting complete in 3221.
Inspection shows well cut and cleaned wall.
OK to encapsulate
1:25
11:15 - Encapsulate has been well applied and ready to begin final

12:00 #3215 is ready for inspection - also well cut and clean - ready for encapsulation

12:30 Ready to begin final
1:25
~~2:30~~ Final off - is well below 20.01
OK to tear down

2:50 - Final off in 3215 Clear and ready to tear down.

3:30 - Report prep.

4:30 Off site

Employee: Judy Rellenger

EXHIBIT A
ASBESTOS PRE-ABATEMENT CHECKLIST

Building: NEOB

Project:

Location: 3221 / 3215

Date: 7-16-2000

Removal Contractor: Hilliard

Time Inspected: 7:30

Monitoring Contractor: SaLVT

Time Removal Began: 7:30

Inspection Category	Activity to be Checked	Within Limits 3221	Within Limits 3215	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. Negative Air Machine" in use?	✓	✓	
	f. Negative pressure greater than 0.02"	✓	✓	
2. Signage	a. Caution signs at vestibule entry	✓	✓	
	b. OSHA ASBESTOS SIGN	✓	✓	
	c. Dumpster, drums and bags labeled	✓	✓	

Inspection Category	Activity to be Checked	Within Limits 3221	Within Limits 3215	Problem Encountered
	d. HEPA Vacuum in use	✓	✓	
	e. Material Kept wet until bagged	✓	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ✓ PAPR ___		
	c. Proper Decontamination sequence followed	✓	✓	
4. Showers	a. Functioning?	NA		
	b. Soap & Towels?	✓		
	c. Used each Departure?	✓		
5. Work Habits In Work Area	a. No Smoking	✓	✓	
	b. No eating/drinking	✓	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB Project: GSA

Location: 3221 N Date: 7/16/00

Removal Contractor: Hillion Time Inspected: _____

Monitoring Contractor: _____ Time Removal Began: _____

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	3221 ✓ / 3215 ✓	
	b. Decontamination Curtains	✓ / ✓	
	c. Seals around ducts, windows and doors	✓ / ✓	
	d. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	✓ / DC	
	f. Negative pressure greater than 0.02"	Vac	
2. Signage	a. Caution signs at vestibule entry	✓ / ✓	
	b. OSHA ASBESTOS SIGN	✓ / ✓	
	c. Dumpster, drums and bags labeled	✓ / ✓	

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use	✓ / ✓	
	e. Material Kept wet until bagged	✓ / ✓	
3. Worker Protection	a. Disposable Clothing used one time	✓ / ✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ✓ PAPR ___	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	NA	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hanuners, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered _____

EXHIBIT C
FINAL INSPECTION OF ASBESTOS ABATEMENT CHECKLIST

Building: NEDB

Project: GSA

Location: 3221 - 3215

Date:

Removal Contractor: Hilliard

Time Inspected: 6:30

Monitoring Contractor: SoLUT

Time Completed: 4:30

Inspection Category	Activity to be checked	Within Limits (3221 / 3215)	Problem Encountered
1. Residual Dust on:	a. Floor	✓ ✓	
	b. Horizontal Surfaces	✓ ✓	
	c. Pipes	✓ ✓	
	d. Ventilation Equipment	✓ ✓	
	e. Horizontal Surfaces	✓ ✓	
	f. Pipes	✓ ✓	
	g. Ductwork	✓ ✓	
	h. Registers	✓ ✓	
	i. Lights	✓ ✓	

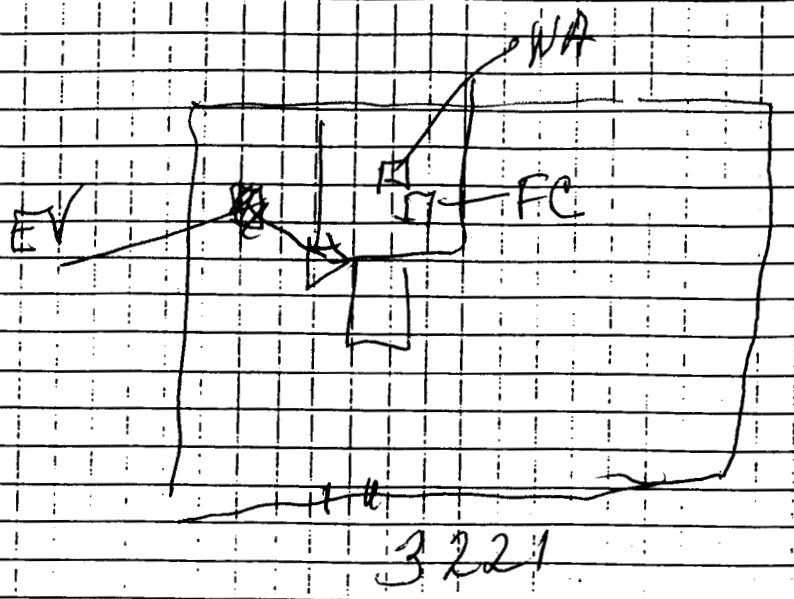
Bulk Samples: As any dust found in the removal area is likely to be asbestos contaminated in cases of dispute, a small quantity of material may be sent to a designated laboratory for Analysis.

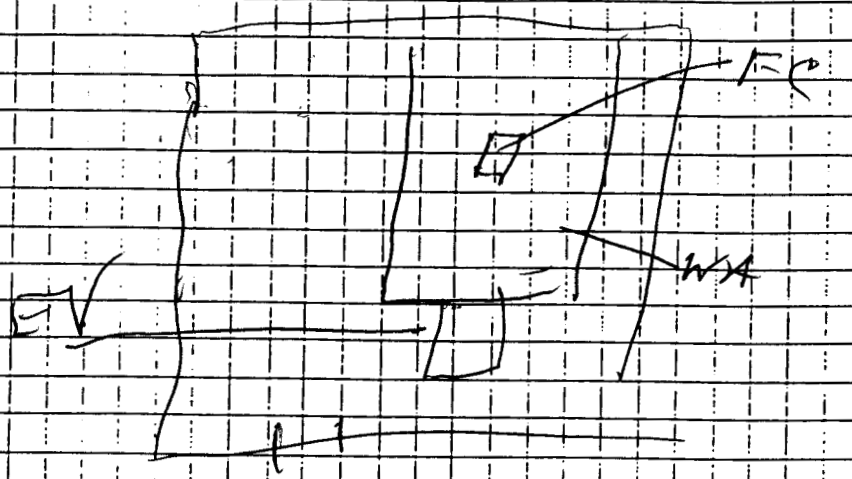
FINAL AIR SAMPLING: If all other tests and situations appear to be satisfactory, the final air tests will be taken.

Location:	3221	3215		
Volume(liters)	1200	1200		
Flow Rate (liters/min)	10.0	10.0		
Fibers/Filter	~~<0.01 3/100~~	3/100		
Fibers/cc	<0.01	<0.01		

Analyst Analyzing Samples: _____ Date: _____

Field Notes: Describe any problems encountered during final inspection





SaLUT Soil and Land Use Technology, Inc.

Title: NEOB 3221 + 3215	
Scale:	Date: 9-16-00
Employee: Allbaugh	Job No:

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IH ABATEMENT DAILY REPORT

Client: G.S.A Job No: 00-121 Date: 7/16/00 Employee: Tijan S N'jie

Project: NEOB On-Site From: 6:30a To: 6:00p

Work in Progress / Summary of Activities:

6:30a On site, signed in, went through security, then waited for rest of crew to be cleared in, and escorted up to 3rd floor workarea.

7:00a On 3rd fl, proceed to set up pumps at two enclosures in priority 4 workarea, then continued on to set up pumps in room 4 of priority 5 workarea. Reminded Silvio to allway have 2nd worker in enclosure throughout the decontamination phase, to ~~[illegible]~~ spray interior environment with ammended H_2O.

8:30a In p.p.e. went into enclosure, air nicely misted, all material kept damp, observed cutting in action, even with hepa attachment on saw-all + airless going a fair amount of dust still escaped into general environment of enclosure.

10:00a Much progress being made, simply, because 2 enclosures were readied yesterday, so decontamination could proceed 1st thing in the morning. The concept of putting up enclosures up on friday night will definately speed up work. Also mini mircotraps are really neccessary so as to bring down outside fiber counts. It also been agreed to run hepa vacs for an hour after spraying encapsulant compound to evacuate

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Decontamination of area within outter + inner walls.

Containment: mini enclosure

Decon: 1 stage

PPE: 1/2 face hepa/gloves + suits

Removal Methods: wet cutting/wiping + vaccumming

No. of Bags Removed 19 bags total

Abatement Contractor: Hillian Brothers + Sons Inc.

Reviewed By:_____

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DAILY REPORT, Contd.

Project: NEOB Job No. _____ Date: 4/16/00 Page 2 of 2

Work in Progress / Summary of Activities:

air within enclosures, thereby removing encapsulant mist out of environment

11:00a Rm 4 completed, inspected & encapsulated, crew hooks up hepa vaccum, would let run for an hour before running finals, 3 holes cut

12:00p Lunch break.

1:00p Back from lunch, stopped pumps in room 2 workarea only, this in an effort to have one readable workarea sample.

2:30p Enclosure in room 3 completed, inspected, okayed to be encapsulated, again hepa vaccum hooked up. 2 holes cut

2:45p Enclosure in room 1, completed, inspected, okayed to be capped, Vac attached.

3:30p Started both pumps in rooms 2 + 1 to aquire final air clearance samples.

5:30p Stopped pumps, retrieved + analysed cassettes, then recorded data.

6:00p End of shift, left site.

Employee: Ryan & N'Jie

EXHIBIT A
ASBESTOS PRE-ABATEMENT CHECKLIST

Building: 3rd fl West, inner loop, NEOB Project: NEOB

Location: Priority 5 area, Rms 4, 2 + 1 Date: 7/16/00

Removal Contractor: Hilliard Brothers + Sons Time Inspected: Rm4 7.00a, Rm2 9.50a, Rm1 1.20p

Monitoring Contractor: Salut Time Removal Began: 7.10a, 10.00a, 1.25p

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. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	NA	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ½ face PAPR ___	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	NA	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: 3rd fl, West Wing, Inner Loop, NEOB Project: NEOB

Location: Priority 5 Date: 4/16/00

Removal Contractor: Hillian Porothers + Sons Inc Time Inspected: 8.30a, 11.30a, 2.00p

Monitoring Contractor: Salut Time Removal Began: 7.00a, 10.00a, 1.25p

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	NA	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ½ face PAPR ___	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	NA	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT C
FINAL INSPECTION OF ASBESTOS ABATEMENT CHECKLIST

Building: 3rd fl West wing, inner loop, NEOB Project: NEOB

Location: Priority 5 workarea Date: 4/16/00

Removal Contractor: Hillian Brothers & Sons Inc Time Inspected: 11.00a

Monitoring Contractor: Salut Time Completed: 11.00a

Inspection Category	Activity to be checked	Within Limits	Problem Encountered
1. Residual Dust on:	a. Floor	✓	
	b. Horizontal Surfaces	✓	
	c. Pipes	✓	
	d. Ventilation Equipment	✓	
	e. Horizontal Surfaces	✓	
	f. Pipes	✓	
	g. Ductwork	✓	
	h. Registers	✓	
	i. Lights	✓	

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.

Location:				
Volume(liters)				
Flow Rate (liters/min)	See attached PCM worksheets			
Fibers/Filter				
Fibers/cc				

Analyst Analyzing Samples: _____ Date: _____

Field Notes: Describe any problems encountered during final inspection _____

PCM AIR
SAMPLE DATA SHEETS

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Tel: (301) 595-3783
Fax: (301) 595-3787

AIR SAMPLE DATA SHEET

Project: NEOB

Job No.:

Name: Tyan & Nijie

Type of Sample: PCM TEM LEAD

Client: G.S.A

Date: 6/17/00 Time on-site: 7.00a to 5.30p

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
1	BG	9.14a	10	11.14a	10	120	1200	[illegible]/100	<0.01	Rm3 in enclosure
2	BG	10.15a	10	12.15a	10	120	1200	11/100	<0.01	Rm4 in enclosure.
3	WA	11.20	3	1.30p	3	130	390	void/100	—	Rm3 inside enclosure
4	EV	11.20	5	1.30p	5	130	650	31/100	0.023	" outside ~~[illegible]~~ " in room
5	EV	11.20	5	1.30p	5	130	650	[illegible]/100	<0.01	" " room by decon.
6	EV	3.00p	5	5.00p	5	120	600	16/100	0.013	Rm4 " " " "
7	~~WA~~ EV	300	5	5.00p	5	120	600	53/100	0.043	" 4 " enclosure in room
8	WA	300	3	5.00p	3	120	360	void/100	—	" " in enclosure
9	BG	3.05a	10	5.05p	10	120	1200	18/100	<0.01	Rm5 in enclosure
10	FD									

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 FD - [illegible]

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Tel: (301) 595-3783
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AIR SAMPLE DATA SHEET

Project: NEOB

Job No.: 00-121

Name: Tyan S. Wife

Type of Sample: (PCM) TEM LEAD

Client: G.S.A.

Date: 6/18/00 Time on-site: 7.00a 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
00-121 1	WA	9.00a	5	10.30a	5	90	450	82/100	0.034	Rm 3 inside enclosure
2	EV	9.00a	5	10.30a	5	90	450	29/100	0.031	" " outside decon
3	WA	10.40a	5	12.00p	5	80	400	21/100	0.025	Rm 4 inside enclosure
4	EV	10.40a	5	12.00p	5	80	400	17/100	0.020	" " outside decon
5	WA	12.05p	5	1.10p	5	65	325	18/100	0.02[illegible]	Rm 5 inside enclosure
6	EV	[illegible].05	5	1.10p	5	65	325	17/100	0.025	" " outside decon
7	FC	1.00p	10	3.00p	10	120	1200	Voided 100		Rm 3 inside enclosure
8	FC	1.00p	10	3.00p	10	120	1200	Voided		
9	Fb									outside middle of room on stand

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
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PCM AIR SAMPLE DATA SHEET

Project: NEOB

Job No.:

Name: Tyan & Nijie

Client: G.S.A.

Date: 6/20/00 Time on-site: 9.15a to 11.40a

Analyzed On-site: NO Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
	FC	9.15a	10	11.15a	10	120	1200			Rm 3 inside enclosure
	FC	9.20	10	11.20	10	120	1200			Rm 4 outside enclosure.
	FB									

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:

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AIR SAMPLE DATA SHEET

Project: NEOB

Job No.:

Name: Tijan S. Nfie

Type of Sample : PCM TEM LEAD

Client: G.S.A

Date: 6/24/00 Time on-site: 7:00a to 5:30p.

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
1	WA	9:30a	2.5	1:30p	2.5	240	600	Voided/100	encapsulant sucked into cassette	inside mini enclosure Rm 6
2	EV	9:30a	5	1:30p	5	240	1200	3/100	<0.01	outside " " Rm 6
3	EV	9:50a	3	2:30p	3	280	840	10/100	<0.01	Hallway outside " "
4	WA	11:30a	2.5	2:30p	2.5	180	450	void/100	overloaded	inside mini enclosure in Rm 8
5	EV	11:30a	5	2:30p	5	180	900	void/100	overloaded	outside " " " " "
6	WA	1:30p	2.5	4:00p	2.5	150	375	void/100	overloaded	inside " " " Rm 2
7	EV	1:30p	5	4:00p	5	150	750	23/100	0.015	outside " " " "
8	WA	2:50p	1.5	5:00p	1.5	150	225	17/100	0.03	inside " " " Rm 1
9	EV	2:50	5	5:20p	5	150	750	9/100	<0.01	outside " " " "
10	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

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AIR SAMPLE DATA SHEET

Type of Sample : PCM (TEM) LEAD

Project: NEOB

Client: G.S.A.

Job No.:

Date: 6/25/00 Time on-site: 7.00a to 5.30p.

Name: Tyan & Nitie

Analyzed On-site: NO Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
1	FC	7.35a	10	9.35a	10	120	1200			inside enclosure room 1
2	FC	7.40a	10	9.40a	10	120	1200			" outside " " Rm 2
3	FC	7.45a	10	9.45	10	120	1200			inside " " Rm 6
* 4	FC	9.35a	10	11.35a	10	120	1200			outside " " " 1
5	FC	9.40a	10	11.40a	10	120	1200			outside " " 2
6	FC	9.45a	10	11.45a	10	120	1200			outside " " 5
7	FC	11.35p	10	1.35p	10	120	1200			inside " " 8
8	FC	11.35p	10	1.35	10	120	1200			outside " " "
9	FC	12.30p	10	2.30	10	120	1200			inside enclosure room 3
10	FC	1.35p	10	3.35	10	120	1200			outside " " "

TEM

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.:

Name: Tijan & N'jie

Type of Sample: PCM TEM LEAD

Client: G.S.A

Date: 6/25/00 Time on-site: 7:00a to 5:30p

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
1	WA	8:10a	1.5	11:00a	1.5	170	255	overloaded/100	—	3001 Rm 3 inside enclosure
2	EV	8:10a	2	11:00a	2	170	340	51½/100	0.07	" " " outside "
3	WA	9:00a	1.5	12:00p	1.5	204	306	overloaded/100	—	3019 Rm 3 inside enclosure
4	EV	9:00a	2	12:00p	2	204	408	31/100	0.037	" " outside "
5	WA	1:30p	1.5	3:30p	1.5	120	voided/100	—	—	3019 Rm 4 inside enclosure
6	EV	1:30p	2	3:30p	2	120	240	99/100	0.07	" " outside "
7	WA	3:40	1.5	5:15p	1.5	95	142.5	3½/100	0.12	3019 Rm 5 inside enclosure
8	EV	3:40	2	5:15p	2	95	190	4½/100	0.10	" " outside "
9	Fb									
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: NEOR
Job No.:
Name: Tijan S. N'jie

Type of Sample: PCM (TEM) LEAD
Client: G.S.A
Date: 6/26/00 Time on-site: 12.00p to 2.30p
Analyzed On-site: NO Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
1	FC	12.23p	10	2.23p	10	120	1200			3019 Room 3 inside enclosure
2	FC	12.23p	10	2.23p	10	120	1200			" " 3 outside "
3	FC	12.28p	10	2.28p	10	120	1200			" " 4 inside "
4	FC	12.28p	10	2.28p	10	120	1200			" " 4 outside "
5	FC	12.35p	10	2.35p	10	120	1200			" " 5 inside "
6	FC	12.35p	10	2.35p	10	120	1200			" " 5 outside "
7	FB									
8	FC	12.45p	10	2.45p	10	120	1200			3001 Room 1 outside enclosure

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.:

Name: Tijan S N'jie

Type of Sample: PCM TEM LEAD

Client: G.S.A

Date: 7/8/00 Time on-site: 7.00a 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/ 0.0 cc	Location
1	BG	7.50a	10	9.50a	10	120	1200	47/100	~~0.027~~	Rm 5 See attached Floorplan for location
2	BG	7.53a	10	9.53a	10	120	1200	36/100	0.02	Rm 4
3	BG	8.00a	10	10.00a	10	120	1200	43/100	0.017	Rm 2.
4	WA	10.52a	1.5	2.20p	1.5	208	312	38/100	0.05	Rm 4 East wing
5	EV	10.55a	3	3.30p	3	205	615	44/100	0.03	" " " "
6	EV	1.20p	3	3.40p	3	140	420	~~1/100~~	0.018	Rm 5 " "
7	WA	1.23p	1.5	3.40p	1.5	137	205	~~/100~~	Voided	" " " "
8	EV	1.45	3	4.10p	3	145	435	~~/100~~	Voided	Rm 6 " "
9	WA	1.48	1.5	4.10p	1.5	142	213	~~/100~~	membrane ruptured	" " " "
10	WA	3.10	1.5	5.30	1.5	140	210	~~/100~~	0.063	Rm 9 " "

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

Project: NEOB

Job No.:

Name: Tijan & N. Jie

Type of Sample : PCM TEM LEAD

Client: G.S.A.

Date: 7/8/00 Time on-site: 7:00a to 5:30p

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
11	EU	3.0	3	5.30	3	140	420	23/100	0.026	Rm 2 East Wing

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

Client: G.S.A.

Job No.:

Date: 4/9/00 Time on-site: 6:30a to 5:30p

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
1	FC	7.20a	10	9.25a	10	120	1200	9 1/2 / 100	<0.01	3019 Rm 2
2	FC	7.25a	10	9.25a	10	120	1200	4 / 100	<0.01	" " 4
3	FC	7.27a	10	9.27a	10	120	1200	4 / 100	<0.01	" " 5
4	FC	7.29a	10	9.29a	10	120	1200	4 1/2 / 100	<0.01	" " 6
5	WA	7.35a	1.5	10.00a	1.5	145	217.5	37 / 100	0.08	" " 4
6	EV	7.35a	3	10.00a	3	145	435	21 / 100	0.023	" " 4
7	BG	7.45a	10	9.45a	10	120	1200	16 / 100	<0.01	west wing north " 2
8	FC	12.00p	10	2.00p	10	120	1200	8 1/2 / 100	<0.01	3019 " 4
9	EV	1.24p	3	2.20p	3	56	168	40 / 100	—	west wing north " 1
10	EV	2.05p	3	4.20p	3	135	445	29 / 100	0.297	" " " " 2

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: Regardless of present conditions, required negative pressure should be maintained as it is apparent that fibers or debris were being released into general environment of office building

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: WEOB

Job No.:

Name: Tyler & Nyce

Type of Sample: PCM TEM LEAD

Client: G.S.A.

Date: 4/9/00 Time on-site: 6:30a to 5:30p

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
11	EV	3.60p	3	4.05	3	45	225	23/100	0.05	West wing north room 3
12	EV	3.00p	3	4.10p	3	70	210	29/100	0.67	" " " " 4
13	EV	3.35p	3	4.35p	3	60	180	27/100	0.043	" " " " 5
14	FC	3.00p	w	5.00p	w	1200	1200	Void/100	Void	

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: On average, it seems that the faster decontaminated is completed the less fibers found on slides.

Key: BG - Background EV - Environmental WA - Work Area FC - Final Clearance PS - Personal FB - Field

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AIR SAMPLE DATA SHEET

Type of Sample : PCM TEM LEAD

Project: NEOB

Client: G.S.A.

Job No.:

Date:

Time on-site: 6:00p to 8:45p

Name: Ryan S. Nye

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
1	FC	6:10p	10	8:10p	10	120	1200	1/100	<0.01	West wing outer loop North Rm1
2	FC	6:15p	10	8:15p	10	120	1200	9½/100	<0.01	" " " " Rm2
3	FC	6:17p	10	8:17p	10	120	1200	13/100	<0.01	" " " " Rm3
4	FC	6:20p	10	8:20p	10	120	1200	10/100	<0.01	" " " " Rm4
5	FC	6:24p	10	8:24p	10	120	1200	9/100	<0.01	" " " " Rm5
6	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: Refer to floor plan from 4/9/00

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: NEDB

Client: G.S.A.

Job No.:

Date: 7/12/00 Time on-site: 1.00p to

Name: Tijan & Ufie

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
1	BG	6.50p	10	8.50p	10	120	1200	34/10	0.013	Rm 3234 room 1
2	BG	6.50p	10	8.50p	10	120	1200	28/10	0.011	" " " 2
3	WA	9.29p	2	10.46p	2	77	154	54/100	0.17	" " " 1 inside enclosure
4	EV	9.30p	3	10.47p	3	77	231	60/100	0.12	1 outside "
5	WA	10.50p	2	11.45p	2	55	110	12/100	0.05	" " " 2 inside enclosure
6	EV	10.50p	3	11.45p	3	55	165	/10		" " " 2 outside "
7	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

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: NEOR

Job No.:

Name: Tyan & Nafi

Client: G.S.A

Date: 7/13/00 Time on-site: 12:00p to 3:00p

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
1	FC	12.14p	W	2.14p	W	120	1200	8/100	.003	3234 Rm 1 WA
2	FC	12.14p	W	2.14p	W	120	1200	Voided		ruptured membrane EV
3	FC	12.19	W	2.19p	W	120	1200	10/100	.004	3234 Rm 2 WA
4	FC	12.19	W	2.19p	W	120	1200	15/100	.006	" " 2 EV

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 Ch

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 - 3rd Floor

Job No.:

Name: Judy Allbright

Type of Sample: PCM TEM LEAD

Client: GSA

Date: 7-14 2000 Time on-site: 6:00AM 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
1	FB	—		—		—	—	0/100	<0.01	Field Blank
2	FB	—		—		—	—	0/100	<0.01	Field Blank
3	WA	10.0	2:40	10.0	3:45	65	650	VOID*		Cont #2
4	EV	10.0	2:40	10.0	4:40	120	1200	7/100	<0.01	Cont #2 By Decon
5	WA	10.0	3:00	10.0	5:00	120	1200	VOID*		Cont #3
6	EV	10.0	3:00	10.0	5:00	120	1200	5/100	<0.01	Cont #3 by Decon
7	BG	10.0	4:10	10.0	6:10	120	1200	10/100	<0.01	#8 Probably 5
8	BG	10.0	4:05	10.0	6:05	120	1200	12/100	<0.01	#7 Pro
~~9~~	~~BG~~	~~10.0~~	~~4:15~~	~~10.0~~						~~#6~~
~~10~~	~~BG~~	~~10.0~~	~~4:00~~	~~10.0~~						~~#4~~

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:

* Too clouded with heavy particulate matter

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

Job No.:

Name: Judy Allbright

Type of Sample: PCM TEM LEAD

Client: GSA

Date: 7.14 2000 Time on-site: 6:00 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
10	FC	10.0	5:15	10.0	7:15	120	1200	3/100	<0.01	Center-Cont #2
11	FC	10.0	5:45		7:45	120	1200	4/100	<0.01	Center-Cont #3
12	—	—	—	—	—	—	—	0/100	<0.01	Field Blank
13	—	—	—	—	—	—	—	0/100	<0.01	Field Blank

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 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.:

Name: Tipan S Nfi

Client: G.S.A

Date: Time on-site: 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
1	BGt	7.07p	60	9.07p	60	120	1200	8/100	<0.01	Priority 4, RM 1, middle of room.

QA Reference Slide No.:			Fiber Count (F/mm²)		[illegible]	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)	[illegible]	Are Phase Rings Concentric?	Scope Check w/ Phase Shift Slide?	

COMMENTS:

Key: BG - Background EV - Environmental WA - Work Area FS - Final Si

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: OEOB

Job No.:

Name: Judy Albright

Client: GSA

Date: 7-14-2000 Time on-site: 8:00 AM 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
7-14-00-001	FB	—	—	—	—	0/100	<0.01	Field Blank
002	FB	—	—	—	—	0/100	<0.01	Field Blank
003	FC	8:35 10.0	10:35 10.0	120	1200	17/100	<0.01	Center Travel Office
004	FC	6:30 10.0	8:30 10.0	120	1200	5/100	<0.01	019 Glove B A G

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 ID#	Blind Count (F/mm²)	Blind Count Within Limits?	Are Phase Rings Concentric?	Scope Check w/ Phase Shift Slide?	

COMMENTS:

Key: BG - Background WA - Work Area PS - Personal
EV - Environmental FC - Final Clearance 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: UEOB
Job No.:
Name: Tyan & Wife

Type of Sample: (PCM) TEM LEAD
Client: G-S-A
Date: 4/15/00 Time on-site: 6:30a 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
1	BG	7.40a	10	7.40a	10	120	1200	20/100	20.01	Priority 5 Rm 4 middle of room
2	BG	7.43a	10	7.43a	10	120	1200	13½/100	20.01	" " Rm 3 " " "
3	BG	7.57a	10	9.57a	10	120	1200	12½/100	20.01	" " " 2 " " "
4	WA	12.52p	2.5	3.52p	2.5	180	450	46½/100	0.05	Priority 4 Rm 3 middle of workarea
5	EV	1.14p	10	3.52p	10	158	1580	29/100	0.08	" " " outside decon.
6	WA	4.03p	2.5	5.10p	2.5	67	142.5	19½/100	0.067	" " Rm 1 middle of workarea
7	EV	4.05p	5	5.10p	5	55	275	10/100	0.017	" " " " outside decon.
8	FC	5.15p	10	7.15p	10	180	1200	void/100	—	" " Rm 3 middle of enclosure
9	FC	5.50p	10	7.50p	10	180	1200	void/100	—	" " Rm 1 " " "
10	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:

Background EV - Environmental WA - Work Area FC - Final Clearance PS - Personal FB - Field Blank

SaLUT
Soil and Land Use Technolohy, Inc.
11609 Edmonsion Road • Beltsville, MD 20705
Tel: (301) 595-3783
Fax: (301) 595-3787

PCM AIR SAMPLE DATA SHEET

Project: NEOB
Job No.:
Name: Judy Allbright

Client: GSA
Date: 7·15·2000 Time on-site: 6:00 to 4:30
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
7·15·00·001	FB	—		—		—	—	0/100	<0.01	Field Blank
002	FB	—		—		—	—	0/100	<0.01	Field Blank
003	WA	7:30	10.0	9:00	10.0	90	900	3/100	.045	Room 3221-North
004	EV	7:30	10.0	9:30	10.0	120	1200	3/100	<0.01	Room 3221-North
005	FC	11:25	10.0	1:25	10.0	120	1200	3/100	<0.01	3221 North
006	FC	12:40	10.0	2:40	10.0	120	1200	2/100	<0.01	3215 North
007	WA	9:35	10.0	11:35	10.0	120	1200	3/100	<0.01	3215 North
008	EV	9:40	10.0	11:40	10.0	120	1200	7/100	<0.01	3215 North

			Fiber Count (F/fields)	Fiber Count (F/mm²)	Reference Value Within Limits?	Scope ID	Scope Make/Model	
QA Reference Slide No.:								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

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.:

Name: Tijan & Wifie

Client: G.S.A

Date: 7/16/00 Time on-site: 6:30a 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
1	FC	7.00a	10	9.00a	10	120	1200	6/100	<0.01	Room 3 enclosure A } See floor plan
2	FC	7.03	10	9.03	10	120	1200	6½/100	<0.01	" 1 } for actual location
3 Holes * 3	WA	7.10a	3	11.00a	3	230	690	Voided/100	too Dusty & water	Rm 4 inside enclosure
4	EV	7.10a	5	11.00a	5	230	1150	34/100	0.014	Rm 4 outside decon
2 Holes 5	WA	10.00a	3	1.00p	3	180	540	17/100	0.015	Rm 2 inside enclosure
6	EV	10.00a	5	2.30	5	270	1350	25/100	<0.01 ~~0.009~~	Rm 2 outside decon
7	FC	12.00	10	2.00p	10	120	1200	8½/100	<0.01	Rm 4 inside middle of enclosure.
1 8	WA	1.25p	3	2.35	3	70	~~350~~ 210	45/100	0.105	Rm 1 " " " "
9	EV	1.25p	5	2.35	5	70	350	23½/100	0.032	Rm 1 outside Decon.
10	FC	12.30p	10	2.30p	10	120	1200	17/100	<0.01	Rm 4 Environmental Clearance.

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: *Sample too dusty, believe water got on membrane of cassette.

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: NEOB

Client: G.S.A.

Job No.:

Date: 4/16/00 Time on-site: 6:30a to

Name: Tijan & N'jie

Analyzed On-site: Ya. Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
11	FC	3:15p	10	5:15p	10	120	1200	4/100	<0.01	Priority 5, Room 2
12	FC		10		10	120	1200	8/2/100	<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

TEM Laboratory Analysis

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	NEOB	**Chain Of Custody:**	72641
Address:	11609 Edmonston Road	**Job Location:**	3rd Floor	**Date Analyzed:**	6/18/00
	Beltsville, Maryland 20705	**Job Number:**	Not Provided	**Person Submitting:**	Tijan Nijie
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** N/P **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
0041423	#1	1200	0.0642	0.0050	3 Chrysotile	0	47	0.0150	IWA	
0041424	#2	1200	0.0642	0.0050	0	0	< 16	< 0.0050	OWA	
0041425	#3	1200	0.0642	0.0050	7 Chrysotile	0	109	0.0350	IWA	
0041426	#4	1200	0.0642	0.0050	0	0	< 16	< 0.0050	OWA	
0041427	#8	1200	0.0642	0.0050	0	0	< 16	< 0.0050	IWA	
0041428	#9	1200	0.0000	****	****	****	****	****	OWA	Void:Filter Ruptured

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

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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* Ran out of forms

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) 72641

MAILING ADDRESS:

1. Submittal Date: 6/18/00 Job Name/location: 3rd fl, NEOB
2. Client Name: Salut Job #: 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: Vijan S Nfie (Print) [signature] (Signature)
6. **DATE & TIME RESULTS REQUIRED:** 6 / 19 / 00, 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 6 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
#1		inside Enclosure Rm3	6/18/00	1200	↓	}	Black ink			↓				
#2		outside " "	↓	↓	↓									
#3		inside " Rm4												
#4		outside " " 4												
#8		inside " Rm5												
#9		outside " " 5												
97-111 FG1		1st fl S. Inner Loop East, L	6/15/00	1200	↓	} Red ink (1+2)				↓ }	Needed at same Time			
FG2		" " " " R		1200							6/19/00 8.00am			

REPORTING DATA:

1. Verbal Results To Whom? Name: Joyce Walker Phone: 301 595 3783 Beeper:
2. Date Written Results Reqired 6 / 19 / 00

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 6 / 18 / 00 @ ____ Via: drop box By (Print): ____ Sign: ____
2. Date/Time Analyzed: 6 / 18 / 00 @ 2330 By (Print): GE Cerny Sign: [signature]
3. Results Reported To: Joyce Walker Via: FAX Date: 6 / 19 / 00 Time: 0130 Initials: [initials]
4. Comments: Also left results @ 202-395-2230

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	GSA	**Chain Of Custody:**	67326
Address:	11609 Edmonston Road	**Job Location:**	NEOB	**Date Analyzed:**	6/20/00
	Beltsville, Maryland 20705	**Job Number:**	Not Provided	**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
0042076	FC1	1200	0.0642	0.0050	0	0	< 16	< 0.0050	FC	
0042077	FC2	1200	0.0642	0.0050	0	0	< 16	< 0.0050	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

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.

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) 67326

MAILING ADDRESS:

1. Submittal Date: 6/20/00 Job Name/location: NEOB
2. Client Name: SALUT Job #: 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 & Wyle (Print) [signature] (Signature)
6. **DATE & TIME RESULTS REQUIRED:** 6 / 21 / 00, Time: 8:00 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 2 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/FT^2 ☐ OTHER ☐
5. Field Sheet Attached? YES ☑ NO ☐ If No Then Please Complete The Following:

SAMPLE ANALYSIS INFORMATION / **ANALYSIS** / **MATRIX**

CLIENT ID NUMBER	AMA ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	TEM	PCM	PLM	LEAD	OTHER	AIR	BLANK	BULK	WIPE	OTHER
			6/20/00	1200	✓					✓				
			✓	1200	✓					✓				

REPORTING DATA:

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

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 6 / 20 / 00 @ 1345 Via: DO By (Print): [signature] Sign: [signature]
2. Date/Time Analyzed: 6 / 20 / 00 @ 1610 By (Print): A Saldivar Sign: [signature]
3. Results Reported To: Salut Via: Fax Date: 6 / 20 / 00 Time: 1615 Initials: AS
4. Comments:

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	NEOB	**Chain Of Custody:**	71709
Address:	11609 Edmonston Road	**Job Location:**	3rd Floor	**Date Analyzed:**	6/27/00
	Beltsville, Maryland 20705	**Job Number:**	Not Provided	**Person Submitting:**	Tijan Nijie
		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
0043751	1	1200	0.0642	0.0050	0	0	< 16	< 0.0050	FC	
0043752	2	1200	0.0642	0.0050	0	0	< 16	< 0.0050	FC	
0043753	3	1200	0.0642	0.0050	0	0	< 16	< 0.0050	FC	
0043754	4	1200	0.0642	0.0050	0	1	< 16	< 0.0050	FC	
0043755	5	1200	0.0642	0.0050	0	0	< 16	< 0.0050	FC	
0043756	6	1200	0.0642	0.0050	0	0	< 16	< 0.0050	FC	
0043757	7	0	0.0000	****	****	****	****	****	BLK	Sample Not Analyzed.
0043758	8	1200	0.0642	0.0050	0	0	< 16	< 0.0050	FC	

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Electron & Optical Microscopy Services

CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	NEOB	**Chain Of Custody:**	71709
Address:	11609 Edmonston Road	**Job Location:**	3rd Floor	**Date Analyzed:**	6/27/00
	Beltsville, Maryland 20705	**Job Number:**	Not Provided	**Person Submitting:**	Tijan Nijie
		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

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 air samples.

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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) 71709

MAILING ADDRESS:

1. Submittal Date: 6/26/00 Job Name/location: NEOB 3rd floor
2. Client Name: Salut Job #: 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 S Nfie (Print) [signature] (Signature)
6. **DATE & TIME RESULTS REQUIRED:** 6 / 27 / 00, **Time:** 8:00 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 8 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/FT^2 ☐ OTHER ☐
5. Field Sheet Attached? YES ☑ NO ☐ If No Then Please Complete The Following:

SAMPLE ANALYSIS INFORMATION					ANALYSIS					MATRIX				
CLIENT ID NUMBER	AMA ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	TEM	PCM	PLM	LEAD	OTHER	AIR	BLANK	BULK	WIPE	OTHER
see attached field sheet		see attached field sheet	6/26/00	1200	+					+				

REPORTING DATA:

1. Verbal Results To Whom? Name: Tijan S N'fie Phone: Beeper: 301 901 3083
2. Date Written Results Reqired 6 / 27 / 00

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 6 / 27 / 00 @ 0730 Via: drop box By (Print): GE Carney Sign: [signature]
2. Date/Time Analyzed: 6 / 27 / 00 @ 1130 By (Print): A Saldivar Sign: [signature]
3. Results Reported To: Salut Via: Fax Date: 6 / 27 / 00 Time: 1145 Initials: [initials]
4. Comments:

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	GSA	**Chain Of Custody:**	71925
Address:	11609 Edmonston Road	**Job Location:**	NEOB	**Date Analyzed:**	6/26/00
	Beltsville, Maryland 20705	**Job Number:**	Not Provided	**Person Submitting:**	Tijan Nfie
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** N/P **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
0043128	1	1200	0.0660	0.0049	0	0	< 15	< 0.0049	IWA	
0043129	2	1200	0.0660	0.0049	0	0	< 15	< 0.0049	IWA	
0043130	3	1200	0.0660	0.0049	0	0	< 15	< 0.0049	IWA	
0043131	4	0	0.0000	****	****	****	****	****	OWA	Void: Filter Blown
0043132	5	1200	0.0660	0.0049	0	0	< 15	< 0.0049	OWA	
0043133	6	1200	0.0660	0.0049	0	0	< 15	< 0.0049	OWA	
0043134	7	1200	0.0660	0.0049	0	0	< 15	< 0.0049	IWA	
0043135	8	1200	0.0660	0.0049	0	0	< 15	< 0.0049	OWA	
0043136	9	1200	0.0660	0.0049	0	0	< 15	< 0.0049	IWA	
0043137	10	1200	0.0660	0.0049	1 Chrysotile	0	15	0.0049	OWA	

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Electron & Optical Microscopy Services

CERTIFICATE OF ANALYSIS

NVLAP
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AIHA

Client:	SaLUT, Inc.	**Job Name:**	GSA	**Chain Of Custody:**	71925
Address:	11609 Edmonston Road	**Job Location:**	NEOB	**Date Analyzed:**	6/26/00
	Beltsville, Maryland 20705	**Job Number:**	Not Provided	**Person Submitting:**	Tijan Nfie
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** N/P **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

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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NY ELAP
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Client:	SaLUT, Inc.	**Job Name:**	GSA	**Chain Of Custody:**	74062
Address:	11609 Edmonston Road	**Job Location:**	NEOB	**Date Analyzed:**	07/12/2000
	Beltsville, Maryland 20705	**Job Number:**	Not Provided	**Person Submitting:**	Tijan Njie
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** N/P **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
0047418	6EV	435	0.0742	0.0119	0	0	< 13	< 0.0119	EV	
0047419	7BG	1200	0.0742	0.0043	0	0	< 13	< 0.0043	AMB	
0047420	9EV	168	0.0000	****	****	****	****	****	EV	Void: Overloaded
0047421	10EV	445	0.0000	****	****	****	****	****	EV	Void: Overloaded

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

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(301) 459-2640•(800) 346-0961•Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 74062

MAILING ADDRESS:

1. Submittal Date: 7/12/00 Job Name/location: NEOB
2. Client Name: Salut Job #: 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: Tian S Yi (Print) (Signature)
6. **DATE & TIME RESULTS REQUIRED:** 7 / 13 / 00, **Time:** 8:00 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 ~~8~~ 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/FT^2 ☐ OTHER ☐
5. Field Sheet Attached? YES☑ NO ☐ If No Then Please Complete The Following:

SAMPLE ANALYSIS INFORMATION					ANALYSIS					MATRIX				
CLIENT ID NUMBER	AMA ID NUMBER	SAMPLE LOCATION	DATE	VOLUME (LITERS)	TEM	PCM	PLM	LEAD	OTHER	AIR	BLANK	BULK	WIPE	OTHER

REPORTING DATA:

1. Verbal Results To Whom? Name: Joyce Walker Phone: 301 595 3783 Beeper:
2. Date Written Results Reqired 7 / 13 / 00

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 7 / 12 / 00 @ 1545 Via: D/O By (Print): David Nicodemus Sign:
2. Date/Time Analyzed: / / @ By (Print): Sign:
3. Results Reported To: Via: Date: / / Time: Initials:
4. Comments:

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	GSA	**Chain Of Custody:**	74060
Address:	11609 Edmonston Road	**Job Location:**	NEOB	**Date Analyzed:**	07/12/2000
	Beltsville, Maryland 20705	**Job Number:**	Not Provided	**Person Submitting:**	Tijan Njie
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** N/P **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
0047411	1BG	1200	0.0742	0.0043	1 Chrysotile, 1 Amosite	3	27	0.0086	AMB	
0047412	2BG	1200	0.0742	0.0043	2 Amosite	0	27	0.0086	AMB	
0047413	3BG	1200	0.0742	0.0043	0	0	< 13	< 0.0043	AMB	
0047414	5EV	615	0.0742	0.0084	1 Chrysotile	0	13	0.0084	EV	
0047415	6EV	420	0.0742	0.0124	0	0	< 13	< 0.0124	EV	
0047416	8EV	435	0.0742	0.0119	1 Chrysotile	0	13	0.0119	EV	
0047417	11EV	420	0.0742	0.0124	0	0	< 13	< 0.0124	EV	

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Electron & Optical Microscopy Services

CERTIFICATE OF ANALYSIS

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NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	GSA	**Chain Of Custody:**	74060
Address:	11609 Edmonston Road	**Job Location:**	NEOB	**Date Analyzed:**	07/12/2000
	Beltsville, Maryland 20705	**Job Number:**	Not Provided	**Person Submitting:**	Tijan Njie
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** N/P **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

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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CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 74060

MAILING ADDRESS:

1. Submittal Date: 7/12/00 Job Name/location: NEOB
2. Client Name: Salut Job #: 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 3784
5. Contact Person: Joyce Walker Submitted By: Tijan S Njie (Print) (Signature)
6. **DATE & TIME RESULTS REQUIRED:** 7 / 13 / 00, **Time:** 8:00 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 7 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/FT^2 ☐ OTHER ~~[illegible]~~
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

REPORTING DATA:

1. Verbal Results To Whom? Name: Joyce Walker Phone: 301 595 3783 Beeper:
2. Date Written Results Reqired ____ / ____ / ____

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 7 / 12 / 00 @ 1545 Via: D/O By (Print): Paul Nicodamos Sign:
2. Date/Time Analyzed: ____ / ____ / ____ @ ____ By (Print): Sign:
3. Results Reported To: Via: Date: ____ / ____ / ____ Time: Initials:
4. Comments:

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
Job No.:
Name: Ryan & wife

Type of Sample: PCM TEM LEAD
Client: G.S.A.
Date: 4/9/00 Time on-site: 6:30a to 5:30p
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
1	FC	7.20a	10	9.25a	10	120	1200	9½/100	<0.01	3019 Rm 2
2	FC	7.25a	10	9.25a	10	120	1200	4/100	<0.01	" " 4
3	FC	7.27a	10	9.27a	10	120	1200	4/100	<0.01	" " 5
4	FC	7.29a	10	9.29a	10	120	1200	4½/100	<0.01	" " 6
5	WA	7.35a	1.5	10.00a	1.5	145	217.5	31/100	0.08	" " 4
[redacted]	EU	7.30a	3	10.00a	3	145	435	21/100	0.023	" " 4
7	BG	7.45a	10	9.45a	10	120	1200	16/100	<0.01	west wing north " 2
8	FC	12.00p	10	2.00p	10	120	1200	8½/100	<0.01	3019 " 4
9	EU	12.40p	3	2.20p	3	56	168	40 loaded/100	—	west wing north " 1
10	EU	2.05p	3	4.20p	3	135	405	27/100	0.297	" " " 2

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: Regardless of present conditions, required negative pressure should be maintained as it is apparent that fibers or debris were being released into general environment of office building

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

Job No.:

Name: Tijan & Wife

Type of Sample: PCM TEM LEAD

Client: G.S.A

Date: 7/8/00 Time on-site: 7:00a 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/ 0.02 cc	Location
1	BG	7:50a	10	9:50a	10	120	1200	67/100	0.077	Rm 5 See attached Floorplan for location
2	BG	7:53a	10	9:53a	10	120	1200	56/100	0.02	Rm 4
3	BG	8:00a	10	10:00a	10	120	1200	43/100	0.017	Rm 2
4	WA	10:52a	1.5	2:30p	1.5	208	312	38/100	0.05	Rm 4 East wing
5	EV	10:55a	3	3:30p	3	205	615	94/100	0.03	" " " "
6	EV	1:20p	3	3:40p	3	140	420	16/100	0.018	Rm 5 " "
7	WA	1:23p	1.5	3:40p	1.5	137	205	/100	Voided	" " " "
8	EV	1:45	3	4:10p	3	145	435	/100	Voided	Rm 6 " "
9	WA	1:48	1.5	4:10p	1.5	142	213	/100	membrane ruptured	" " " "
10	WA	3:10	1.5	5:30	1.5	140	210	21/100	0.063	Rm 9 " "

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

Project: NEOB
Job No.:
Name: Tyan & N. Jie

Type of Sample: PCM TEM LEAD
Client: G.S.A.
Date: 4/8/00 Time on-site: 7:00a to 5:30p
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
11	EU	3.0	3	5.30	3	140	420	23/100	0.026	Rm 2 East Wing

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

Project: NEOB
Job No.:
Name: Tijan & N'fie

Type of Sample: PCM (TEM) LEAD
Client: G.S.A.
Date: 6/25/00 Time on-site: 7:00a to 5:30p.
Analyzed On-site: NO Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
1	FC	7.35a	10	9.35a	10	120	1200			inside enclosure room 1
2	FC	7.40a	10	9.40a	10	120	1200			inside " " Rm 2
3	FC	7.45a	10	9.45	10	120	1200			inside " " Rm 6
4	FC	9.35a	10	11.35a	10	120	1200			outside " " " 1
5	FC	9.40a	10	11.40a	10	120	1200			outside " " 2
6	FC	9.45a	10	11.45a	10	120	1200			outside " " 6
7	FC	11.35p	10	1.35p	10	120	1200			inside " " 8
8	FC	11.35p	10	1.35	10	120	1200			outside " " 8
9	FC	12.30p	10	12.30	10	120	1200			inside enclosure room 3
10	FC	1.35p	10	3.35	10	120	1200			outside " " 3

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)		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

General Services Administration
National Capital Region
Washington, DC

MAY 15, 2000

MEMORANDUM TO: KERRY BONOS
WHITE HOUSE SDT (WPW)

FROM: TIM SLEETH
SAFETY, ENVIRONMENTAL AND FIRE PROTECTION (WPYG)

SUBJECT: NEW EXECUTIVE OFFICE BUILDING (NEOB)
3rd FLOOR
17th AND H ST., NW
WASHINGTON, DC

PROJECT: ASBESTOS AIR MONITORING AND BULK SAMPLING

On February 2nd and 4th, 2000, SaLUT, Inc. conducted air monitoring for potential asbestos contamination on the 3rd floor of the New Executive Office Building, located at 17th & H St., NW, Washington, DC.

Air monitoring samples were collected and analyzed on site by Phase Contrast Microscopy (PCM), NIOSH 7400 Method. All air samples collected were below the Reoccupancy Standard of 0.01 fibers/cc.

On February 20, 2000, SaLUT, Inc. personnel collected two (2) samples of suspected asbestos containing board material from the 3rd floor fan coil unit (room 3001). The bulk samples were analyzed by Polarized Light Microscopy (PLM) and were found not to contain asbestos.

Please note that suspect and known ACMs may still exist within the NEOB, such ACMs may be found within walls, behind mechanical equipment within the mechanical rooms and interstitial ceiling space, or other areas that were not accessible at the time of the renovations.

Should you have any questions please contact me at (202) 708-5257.

DC0105
#1284
5-15-00/JGH/WPYG
CC: KERRY BONOS

SaLUT

Soil and Land Use Technology, Inc.

11609 Edmonston Road, Beltsville, Maryland 20705

Telephone: (301) 595-3783
Fax: (301) 595-3787

May 4, 2000

General Services Administration
Safety & Environmental Management Division
7th & D Streets, SW, Room 2080
Washington, D.C. 20407
ATTENTION: Ms. Normajean Eleazer

Re: NEOB
Order No: P1100DC0119
Act No.: P90027349
SaLUT Job #: 00-025

Dear Ms. Eleazer:

Pursuant to your request, Soil and Land Use Technology, Inc. (SaLUT) provide industrial hygiene services at the New Executive Office Building on 17th & H Streets, NW, in Washington, DC. SaLUT's industrial hygienists, Mr. Tijan N'Jie and Mr. Walter Dixon, performed all air monitoring and inspections on February 2 and 4, 2000. Ms. Joyce Walker collected 2 samples of suspect asbestos containing materials on February 20, 2000.

The scope of SaLUT's work included technical monitoring for possible contamination in with regard to the fan coil unit project.

Air samples collected were collected on the unoccupied 3rd floor as directed by Ms. Kerry Bonos of NEOB. All air samples analyzed on site by Phase Contrast Microscopy, NIOSH Method 7400. And yielded results of <0.01 fibers per cubic centimeter, the level for occupancy as stated in the EPA guidance publications.

Two samples were collected within the fan coil units in Room 3001 from the board behind the fan coils and within the fan coils. EMSL Analytical, Inc. performed Polarized Light Microscopy on both samples. Results yielded in "No Asbestos Detected".

Enclosed are the daily logs, checklists, and air sample data sheets. Laboratory analysis is also 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

Joyce Walker
Operations Manager

Daily Logs and Checklists

SaLUT

11609 Edmonston Road • Beltsville, MD 20705 • (301) 595-3783

IH ABATEMENT DAILY REPORT

Client: GSA NCR Job No: 00-025 Date 2-2-00 Employee: WALTER DIXON

Project: NEOB On-Site From: 5:30 Pm To: 8:00 Pm

Work in Progress / Summary of Activities:

5:30 MET WITH POC KERRY BONOS.
MRS. BONOS TOOK ME TO THE AREA WHERE BACK-GROUND SAMPLING NEEDED TO BE CONDUCTED DUE TO RENOVATION ACTIVITIES EXPOSING ACM BY HVAC SYSTEMS.

6:00 STARTED BACK GROUND SAMPLING ON 3RD FLOOR.

7:45 COLLECTED SAMPLES THEY WERE SET-UP. ANALYSIS WILL FOLLOW.

8:00 LEFT SITE. NO SAMPLE CONCENTRATIONS WERE ABOVE THE PEL.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): N/A

Containment:

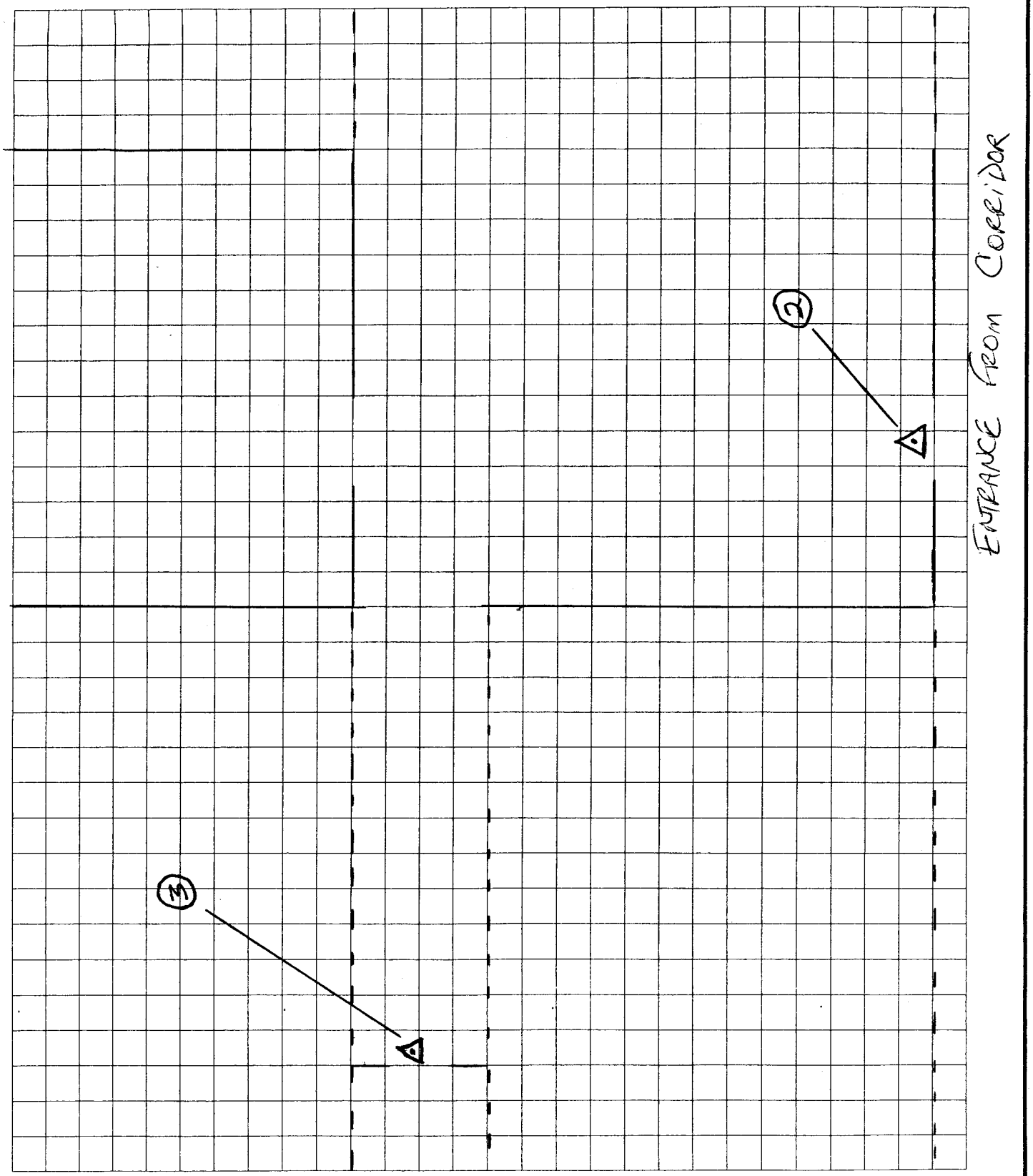
Decon:

PPE:

Removal Methods:

Abatement Contractor:

Reviewed By:_____



SaLUT

il and Land Use Technology, Inc.

Title: NEOB
3RD FLOOR

Scale: N/A	Date: 2-2-00	Page: 1 of 1
Employee: WALTER DIXON		Job No.: 00-025

SaLUT

11609 Edmonston Road • Beltsville, MD 20705 • (301) 595-3783

IH ABATEMENT DAILY REPORT

Client: G.S.A Job No: Employee: Tijan & N'fie Date: 2/4/00

Project: NEOB On-Site From: 1:30p To: 4:30p Lunch: —

Work in Progress / Summary of Activities:

1:30p On site, ~~and~~ met with G.S.A. rep, escorted up to workarea, shown two room where air sampling were needed. Proceeded to set up pumps.

2:05p Pumps on, did usual inspection of both areas no visible suspect A.C.M observed.

4:05p Stopped pumps, retrieved cassettes & analyzed cassettes.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations):

Containment:

Decon:

PPE:

Removal Methods:

Abatement Contractor:

Reviewed By:

Air Sample Data Sheets

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.: 00-025
Name: WALTER DIXON

Client: GSA NCR
Date: 2 FEB 2000 Time on-site: 5:30 Pm to 8:00 Pm
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
00025-NE-WD-1	FB	—		—		—	—	.5/100	<0.01	FIELD BLANK
2	BG	12	6:00	12	7:40	100	1200	2/100	<0.01	MAIN ENTRANCE TO ROOM
↓ 3	BG	12	6:05	12	7:45	↓	↓	1.5/100	<0.01	SIDE DOOR ENTRANCE TO ROOM

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
					Sm-1	NIKON	
QC Daily Recount sample ID:	Sample ID	Initial Count (F/mm²)	QC ID#	Blind Count (F/mm²)	Are Phase Rings Concentric? Y	Scope Check w/ Phase Shift Slide? Y	

COMMENTS:
PUMPS CALIBRATED WITH SECONDARY STANDARD @ SITE.

Key: BG - Background EV - Environmental WA - Work Area FC - Final Clearance PS - Personal FB - Field Blank

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.: 00-0

Name: Tijan Njie

Client: G.S.A

Date: 2/4/00 Time on-site: 1:30p to 4:30p

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
2/4/00 00-025 TSN BB1	FB ~~BG~~									
BG2	BG	2.05p	W	4.05p	10	120	1200	8/100	<0.01	Within Rm3001 (South Room) by window
BG3	BG	2.05p	W	4.05p	10	120	1200	6/100	<0.01	" " " (North Room) " "

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 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

POLARIZED LIGHT MICROSCOPY ANALYSES

EMSL Analytical, Inc.

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

Attn.: Joyce Walker
SaLUT
11609 Edmonston Road
Beltsville, MD 20705

Monday, February 14, 2000

Ref Number: MD00535

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: NEOB, Room 3001

Sample	Location	Appearance	Sample Treatment	ASBESTOS %	ASBESTOS Type	NON-ASBESTOS %	NON-ASBESTOS Fibrous	NON-ASBESTOS %	NON-ASBESTOS Non-Fibrous
00-025-2-10-1	room 3001, board behind coil unit	Brown Fibrous Homogeneous	Teased	None Detected		100%	Cellulose		
00-025-2-10-2	room 3001, inside coil unit	Grey/Brown Other Heterogeneous	Crushed/Dissolved	None Detected		90%	Glass	10%	Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

B. J. Macey

Brett Macey
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. EMSL suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by EMSL Beltsville (NVLAP Air and Bulk #200293, WV Lic.# LT000053)

MD00535

EMSL ANALYTICAL CHAIN OF CUSTODY ASBESTOS

EMSL Representative:			
Your Company Name:	Salut	EMSL-Bill to:	Salut
Street:	11609 Edmonston Road	Street:	
Box #:		Box #:	
City/State:	Beltsville, MD Zip: 20705	City/State:	Zip:
Verbal Results to:		Fax Results to:	Joyce Walker
Telephone #:	(301)595-3783	Fax #:	(301)595-3787
Project Name/Number:	NECB, Room 3001	Purchase Order #	

MATRIX

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

TURNAROUND TIME

- ☐ 6 Hours*
- ☐ 3 Hour**
- ☒ 24 Hours
- ☐ 48 Hours
- ☐ 3 Days
- ☐ 5 Days
- ☐ 6-10 Days
- ☐ Same Day***

*Samples must be received by 11:00 am except TEM

**Must call Lab for approval

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

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

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

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

SEM
- ☐ Qualitative
- ☐ Quantitative

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

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

TEM WIPE
- ☐ Quantitative
- ☐ Qualitative

XRD
- ☐ Asbestos
- ☐ Silica

- ☐ OTHER
- ☐ COMMENTS

Client Sample # (s)	00-025-2-10-1 - 00-025-2-10-2	Total Samples:	2
Relinquished:		Date:	Time:
Received:	J Harris	Date: 2/11/00	Time: 1:00
Received:		Date:	Time:

SAMPLE DATE	SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
	00-025-2-10-1	Room 3001 BEHIND Coil unit	
	00-025-2-10-2	Room 3001, INSIDE COIL UNIT	

97-202
DC010522

RECEIVED
GSA/MCP
JAN 14 3 23 PM '97
SAFETY & ENVIRONMENT
BRANCH (WPHOX)

WEB ENVIRONMENTAL GROUP

INDUSTRIAL HYGIENE SERVICES

December 16, 1996

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

RE: ACT #P57431457 - NEOB - 725 17TH STREET NW

Dear Ms. Eleazer:

Please find enclosed the laboratory results for the area and final clearance samples collected during November 1 - November 18, 1996 in the Penthouse Cooling Tower at the New Executive Building located at 725 17th Street NW, Washington DC.

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

Sincerely,

Leela Oudit
General Manager
Industrial Hygiene Division

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

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building

Project: P57431457

Location: 725 17th Street, NW

Date: 11/01/96

Removal Contractor Southern Insulation, Inc.

Time Inspected: 0700

Monitoring Contractor: WEB Environmental Group

Time work started: 0730

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

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

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

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Henry Addison Date: 11/01/96

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: P57431457

Location: 725 17th Street, NW - Penthouse Cooling Tower Date: 11/04/96

Removal Contractor: Southern Insulation, Inc. Time started: 0700

Monitoring Contractor: WEB Environmental Group Time Stopped: 0230

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	YES	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (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	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Henry Addison Date: 11/04/96

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** 960260

INDUSTRIAL HYGIENIST Eric Butler **DATE** 11/04/96

ABATEMENT CONTRACTOR Southern Insulation, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Background	595	12	0845	1030	<0.01 f/cc

LOCATION: **Basement - front of office window**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Ambient	902	2.5	0850	0230	<0.01 f/cc

LOCATION: **Work area - underneath chiller pipes**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Personal	65	2.5	0850	0215	<0.01 f/cc

LOCATION: **Pete**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Ambient	595	2.5	1030	0230	<0.01 f/cc

LOCATION: **Work area - basement**

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

LOCATION:

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

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: P57431457

Location: 725 17th Street, NW - Penthouse Cooling Tower Date: 11/05/96

Removal Contractor: Southern Insulation, Inc. Time started: 0700

Monitoring Contractor: WEB Environmental Group Time Stopped: 0300

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	YES	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (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	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Henry Addison Date: 11/05/96

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** 960260

INDUSTRIAL HYGIENIST Henry Addison **DATE** 11/05/96

ABATEMENT CONTRACTOR Southern Insulation, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Final	7290	10	0800	1115	<0.01 f/cc

LOCATION: **Basement - next to office**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Final	7980	10	0800	1115	<0.01 f/cc

LOCATION: **Basement - adjacent office**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Ambient	2151	10	0110	0300	<2.45 ug/m3

LOCATION: **Penthouse roof - downwind**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Personal	0499	10	0110	0300	<2.45 ug/m3

LOCATION: **Pete**

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

LOCATION:

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

METS
Metropolitan Environmental Testing Services, Inc.
180 Smallwood Village Center, Waldorf, Maryland 20602

Metro: 301/870-1995
Toll Free: 800/604-1995
Fax#: 301/870-1701

Reviewed By _____

Lead Air Analysis Report

MD State Certified Laboratory #242, ELPAT / AIHA #21506

EPA Method SW-846, 7420

Account Number: 11-0212
Client Name: Web Environmental
Address: 9440 Pennsylvania Ave.
Upper Marlboro MD 20772

Project: NEOB Penthouse Roof

Date Collected: 110596
Date Received: 110896
Date Analyzed: 110896
Date Reported: 111196

METS Sample No.	Client Sample ID/ Location	Date Analyzed	Air Total Pb ug	Air Volume Liters	Pb ug/m 3
961108031-3	Ambient-Roof	110896	< 2.5	1020	< **2.45**
961108031-4	Personal-Pete	110896	< 2.5	1020	< **2.45**

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
MDL For Total Lead Is 2.5 ug. (<) Indicates Less Than (MDL).

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building Project: P57431457

Location: 725 17th Street, NW - Penthouse Cooling Tower Date: 11/05/96

Removal Contractor: Southern Insulation, Inc. Time Inspected: 0715

Monitoring Contractor: WEB Environmental Group Time Completed: 0800

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

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

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

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

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

FINAL AIR SAMPLING:

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

Sample Number:	01	02			
Location:	Basement Next to office	Basement Adj. to office			
Volume (Liters):	1950	1950			
Flow rate: (Liters/Minute)	10	10			
Fibers/Filter:	14/100	12/100			
Fibers/Cubic Cm:	<0.01f/cc	<0.01 f/cc			

ANALYSTS ANALYZING SAMPLING: Eric Butler DATE: 11/05/96

Field Notes:

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

REPORT PREPARED BY: Henry Addison **DATE:** 11/05/96

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

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: P57431457

Location: 725 17th Street, NW - Penthouse Cooling Tower Date: 11/06/96

Removal Contractor: Southern Insulation, Inc. Time started: 0630

Monitoring Contractor: WEB Environmental Group Time Stopped: 0230

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	YES	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (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	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Henry Addison Date: 11/06/96

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** 960260

INDUSTRIAL HYGIENIST Henry Addison **DATE** 11/06/96

ABATEMENT CONTRACTOR Southern Insulation, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Personal	65	2.5	0800	1000	<8.333 ug/m3

LOCATION: Pete

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Ambient	2125	2.5	0800	1100	<0.01 f/cc

LOCATION: Penthouse roof

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Ambient	2363	2.5	0800	1100	<5.555 ug/m3

LOCATION: Penthouse roof

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Personal	65	2.5	1100	0200	<5.555 ug/m3

LOCATION: Pete

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Ambient	2125	2.5	1100	0200	<0.01 f/cc

LOCATION: Penthouse roof

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

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** 960260

INDUSTRIAL HYGIENIST Henry Addison **DATE** 11/06/96

ABATEMENT CONTRACTOR Southern Insulation, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Ambient	2363	2.5	1100	0200	<14.93 ug/m3

LOCATION: **Penthouse roof**

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

LOCATION:

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

LOCATION:

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

LOCATION:

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

LOCATION:

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

METS
Metropolitan Environmental Testing Services, Inc.
180 Smallwood Village Center, Waldorf, Maryland 20602

Metro: 301/870-1995
Toll Free: 800/604-1995
Fax#: 301/870-1701

Reviewed By

Lead Air Analysis Report

MD State Certified Laboratory #242, ELPAT / AIHA #21506

EPA Method SW-846, 7420

Account Number: 11-0212
Client Name: Web Environmental
Address: 9440 Pennsylvania Ave.
Upper Marlboro MD 20772

Project: NEOB Penthouse Roof

Date Collected: 110696
Date Received: 110896
Date Analyzed: 110896
Date Reported: 111196

METS Sample No.	Client Sample ID/ Location	Date Analyzed	Air Total Pb ug	Air Volume Liters	Pb ug/m 3
961108033-1	Personal-Pete	110896	< 2.5	300	< **8.333**
961108033-3	Ambient-Roof	110896	< 2.5	450	< **5.555**
961108033-4	Personal-Pete	110896	< 2.5	450	< **5.555**
961108033-6	Ambient-Roof	110896	6.72	450	**14.93**

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
MDL For Total Lead Is 2.5 ug. (<) Indicates Less Than (MDL).

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: P57431457

Location: 725 17th Street, NW - Penthouse Cooling Tower Date: 11/07/96

Removal Contractor: Southern Insulation, Inc. Time started: 0715

Monitoring Contractor: WEB Environmental Group Time Stopped: 0230

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	YES	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (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	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Henry Addison Date: 11/07/96

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** 960260

INDUSTRIAL HYGIENIST Henry Addison **DATE** 11/07/96

ABATEMENT CONTRACTOR Southern Insulation, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Final	2125	10	0715	1230	<0.01 f/cc

LOCATION: **Penthouse roof**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Ambient	2363	2.5	0712	1230	<3.194 ug/m3

LOCATION: **Penthouse roof**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Personal	65	2.5	0720	1230	5.754 ug/m3

LOCATION: **Lino**

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

LOCATION:

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

LOCATION:

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

METS
Metropolitan Environmental Testing Services, Inc.
180 Smallwood Village Center, Waldorf, Maryland 20602

Metro: 301/870-1995
Toll Free: 800/604-1995
Fax#: 301/870-1701

Reviewed By _____

Lead Air Analysis Report

MD State Certified Laboratory #242, ELPAT / AIHA #21506

EPA Method SW-846, 7420

Account Number: 11-0212
Client Name: Web Environmental
Address: 9440 Pennsylvania Ave.
Upper Marlboro MD 20772

Project: NEOB Penthouse Roof

Date Collected: 110796
Date Received: 110896
Date Analyzed: 110896
Date Reported: 111196

METS Sample No.	Client Sample ID/ Location	Date Analyzed	Air Total Pb ug	Air Volume Liters	Pb ug/m 3
961108032-2	Penthouse Roof-Ambient	110896	< 2.5	782.5	< **3.194**
961108032-3	Penthouse Roof-Personal-Lino	110896	4.46	775	**5.754**

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
MDL For Total Lead Is 2.5 ug. (<) Indicates Less Than (MDL).

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building Project: P57431457

Location: 725 17th Street, NW - Penthouse Cooling Tower Date: 11/07/96

Removal Contractor: Southern Insulation, Inc. Time Inspected: 1230

Monitoring Contractor: WEB Environmental Group Time Completed: 0100

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

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

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

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

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

FINAL AIR SAMPLING:

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

Sample Number:	01				
Location:	Penthouse Roof				
Volume (Liters):	787.5				
Flow rate: (Liters/Minute)	10				
Fibers/Filter:	9/100				
Fibers/Cubic Cm:	<0.01f/cc				

ANALYSTS ANALYZING SAMPLING: Eric Butler DATE: 11/07/96

Field Notes:

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

_____

_____

_____

_____

_____

REPORT PREPARED BY: Henry Addison **DATE:** 11/07/96

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

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: P57431457

Location: 725 17th Street, NW - Penthouse Cooling Tower Date: 11/13/96

Removal Contractor: Southern Insulation, Inc. Time started: 0725

Monitoring Contractor: WEB Environmental Group Time Stopped: 0330

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	YES	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (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	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Henry Addison Date: 11/13/96

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** 960260

INDUSTRIAL HYGIENIST Henry Addison **DATE** 11/13/96

ABATEMENT CONTRACTOR Southern Insulation, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Personal	0499	2.5	0725	0925	VOID

LOCATION: **Pete**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Ambient	2132	10	0740	0940	<0.01 f/cc

LOCATION: **Outside containment**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Ambient	2126	10	0745	0945	<0.01 f/cc

LOCATION: **Decon**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Ambient	2132	10	0940	1255	<0.01 f/cc

LOCATION: **Work area - basement**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Ambient	2126	10	0945	0100	<0.01 f/cc

LOCATION: **Work area - basement**

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

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** 960260

INDUSTRIAL HYGIENIST Henry Addison **DATE** 11/13/96

ABATEMENT CONTRACTOR Southern Insulation, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Final	2101	10	1100	0215	<0.01 f/cc

LOCATION: **Work area - inside containment**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Final	2110	10	1100	0215	<0.01 f/cc

LOCATION: **Work area - inside containment**

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

LOCATION:

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

LOCATION:

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

LOCATION:

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

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building Project: P57431457

Location: 725 17th Street, NW - Penthouse Cooling Tower Date: 11/13/96

Removal Contractor: Southern Insulation, Inc. Time Inspected: 1100

Monitoring Contractor: WEB Environmental Group Time Completed: 0215

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

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

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

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

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

FINAL AIR SAMPLING:

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

Sample Number:	06	07			
Location:	Basement Boiler room	Basement Boiler room			
Volume (Liters):	1950	1950			
Flow rate: (Liters/Minute)	10	10			
Fibers/Filter:	7/100	6/100			
Fibers/Cubic Cm:	<0.01f/cc	<0.01 f/cc			

ANALYSTS ANALYZING SAMPLING: Eric Butler DATE: 11/13/96

Field Notes:

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

REPORT PREPARED BY: Henry Addison **DATE:** 11/13/96

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

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: P57431457

Location: 725 17th Street, NW - Penthouse Cooling Tower Date: 11/18/96

Removal Contractor: Southern Insulation, Inc. Time started: 0700

Monitoring Contractor: WEB Environmental Group Time Stopped: 0500

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	YES	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (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	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Henry Addison Date: 11/18/96

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** 960260

INDUSTRIAL HYGIENIST Henry Addison **DATE** 11/18/96

ABATEMENT CONTRACTOR Southern Insulation, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Personal	0499	2.5	0700	0900	VOID

LOCATION: **Pete**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Ambient	2326	10	0705	1015	<0.01 f/cc

LOCATION: **Work area - outside containment**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Inside	2125	10	0710	1015	<0.01 f/cc

LOCATION: **Clean room**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Ambient	2326	10	1015	1215	<0.01 f/cc

LOCATION: **Work area - outside containment**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Ambient	2125	10	1015	1215	<0.01 f/cc

LOCATION: **Work area - chiller room**

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

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** 960260

INDUSTRIAL HYGIENIST Henry Addison **DATE** 11/18/96

ABATEMENT CONTRACTOR Southern Insulation, Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Final	2125	10	0100	0415	<0.01 f/cc

LOCATION: **Work area - inside containment**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Final	2363	10	0100	0415	<0.01 f/cc

LOCATION: **Work area - inside containment**

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

LOCATION:

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

LOCATION:

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

LOCATION:

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

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building Project: P57431457

Location: 725 17th Street, NW - Penthouse Cooling Tower Date: 11/18/96

Removal Contractor: Southern Insulation, Inc. Time Inspected: 1145

Monitoring Contractor: WEB Environmental Group Time Completed: 1215

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

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

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

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

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

FINAL AIR SAMPLING:

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

Sample Number:	06	07			
Location:	Basement Chiller room	Basement Chiller room			
Volume (Liters):	1950	1950			
Flow rate: (Liters/Minute)	10	10			
Fibers/Filter:	12/100	9/100			
Fibers/Cubic Cm:	<0.01f/cc	<0.01 f/cc			

ANALYSTS ANALYZING SAMPLING: Eric Butler DATE: 11/18/96

Field Notes:

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

REPORT PREPARED BY: Henry Addison **DATE:** 11/18/96

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

Quality
Assurance
Specialists, Inc.

431 South Broadway
Suite #122
Lexington, KY 40508
(606) 254-1093

October 30, 1996

Ms. Leela Oudit
Web Environmental Group
9440 Pennsylvania Ave. #305
Upper Marlboro, MD 20773

RE: Bulk Sample Result(s): GSA-NEOB

Dear Ms. Oudit,

Please find outlined below the analysis result(s) for the bulk sample(s) submitted to our laboratory on October 30, 1996. The sample(s) were analyzed via polarized light microscopy coupled with the dispersion staining technique on October 30, 1996. Bold print signifies asbestos minerals are present.

SAMPLE #	MATERIAL DESCRIPTION	ASBESTOS CONTENT
1-45-P-4-2	P42 - 45 degree elbow	NAD
2-STNRVAL-P-4-2	P-4-2 Valve strainer	**Trace <1% Amosite**
3-V-5-165	Valve V-5-165	NAD
4-CWR	CWR Endcap	NAD

NAD = No Asbestos Detected

If you have any questions regarding this report, please call me at (606) 254-1093.

With Regards,

Tim Anderson

WEB ENVIRONMENTAL GROUP

Date 11/1/96
Job No.
Job Name NEOR
Page ____ of ____

DAILY LOG SHEET

Time	Remarks
0700	Southern Ins. onsite Compliance onsite today's work
	will be Removal of Transite panels from the cooling tower
0915	Workers take a break
1015	I called the office and informed the bulk samples from the
	chiller lm are all negative
1130	Lunch break
1330	Workers continue prepp work.
	Removal will begin tomorrow
1500	Packs up equipment + leaves site

WEB ENVIRONMENTAL GROUP

Date 11-4-96
Job No.
Job Name NEOB- Chiller
Page 1 of 1

DAILY LOG SHEET

Time	Remarks
0715	Arrive on-site
	Look for where crew is to be. Go to Roof
0730	Look for parking
0800	Return - Escort takes me to basement where they are glovebagging pipe from chiller
0830	Get set up: Crew consists of
	Pete Reul # 024172 Exp. 9-11-97
	264-08-7585
	Mickey Johnson 023888 exp. 4-25-97
	196 58 1091
	LINO Cressott 022384 exp. 1-4-97
	216-74-2752
0848	Begin background and area pumps
0930	Crew gets on morning break
1030	Crew returns, glovebagging continues.
	At the request of Larry Handelman we are running a personal sample on the worker, Pete.
11[15] Am	I.H. Chuck on-site Replacing Eric Butler. Discussed scope of work. Southern Insulation Continuing Scope of Work. Air Monitoring Continuing. No Problems to Report. Chuck Replacing Eric.
2[15] pm	I.H. Collected personal air sample for Analysis
2[30] pm	I.H. Collected ambient air samples. Contractors Departed site.
3[30] pm	I.H. performed a visually inspection of completed Glove Bag Removal - Acceptable
	*Final visual inspection and final air samples will be started 11/5/96 Tuesday after total completion of Glove Bag Removal. Contractors have (2) large Glove Bag Removal Remaining
4[00] pm	I.H. Packed up Equipment and supplies. Departed site.
	Analysis of Air Sample * See Air Sample Data Sheet.

WEB ENVIRONMENTAL GROUP

DATE: 11-5-96
PROJECT:
PAGE: 1

DAILY LOG SHEET

TIME	REMARKS
7:00 AM	I.H. ON SITE. Southern INSULATION ON SITE. COMPLETING LAST PHASE OF
	Glove BAG Removal (2)
8:00 AM	Glove BAG Removal COMPLETED, FINAL VISUAL INSPECTION COMPLETED
	FINAL AIR SAMPLES started IN GLOVE BAG AREA ADJ. BASEMENT
	OFFICE.
8:15 AM	Southern INSULATION Started AREA PREP (containments full (2)) IN
	The BASEMENT CHILLER AREA. SCOPE OF WORK Removal OF
	PIPE INSULATION AND MUD Elbows
10:45 AM	larry OF N.O.E.B INFORMED I.H. THAT HE WANTED AIR MONITORING For Removal
	OF lead on THE ROOF. ALSO THE Poly WRAPPING OF TRANSITE ON THE ROOF.
11:15 AM	I.H. COLLETED FINAL AIR SAMPLES FOR ANALYSIS (Basement Glove Bag Removal)
	Southern INSULATION CONTINUING AREA PREP BASEMENT/CHILLER AREA
	(2) Full Containments. I.H. REMAINING ON SITE.
11:30 AM	Southern Insulation Supervison left Basement site to enter upper level
	TO BRING BACK Needed equipment and supplies for lead Removal
12:00 PM	Lunch
12:30 PM	I.H. And Contractors Preparing to Perform scope OF WORK ON
	THE ROOF.
12:55 PM	Contractors Area Prep Roof For lead Removal. Also Cutting Poly For
	transite WRAPPING. Note: Transite will be wrapped And Removed
	tomorrow 11/6/96 I.H. setting up Air Pumps. H.E.P.A. VACCUMING LOOSE Debris.
1:00 PM	Contractors Sweeping up Area. Also testing grinder with H.E.P.A. VACCUM ATTACHED
	Persons For lead Removal Pete Ruel soc. sec # 264-08-7585
1:10 PM	I.H. Started lead Air Monitoring. Contractors APPLYING Chemicals To Colling tower Structure (Peel-AWAY)
3:00 AM	I.H. Collected lead Air SAMPLES Departed SITE. Note: lead only Removed where MARKED.
	Peel-AWAY Paint Removal will stay on marked beams AND BE Removed Tomorrow
	11/6/96. Peel-AWAY Paper is placed On Top For Removal. (SAFETY)

WEB ENVIRONMENTAL GROUP

DATE: 11-6-96
PROJECT:
PAGE: 1

DAILY LOG SHEET

TIME	REMARKS
7:00 Am	I.H. ARRIVED ON SITE. UNLOADING EQUIPMENT AND SUPPLIES.
8:00 Am	CLEARED SECURITY, ESCORTED TO BASEMENT AND PENTHOUSE
	ROOF. Southern Insulation Removing lead off marked
	Area's on Cooling Tower structure. Also Poly wrapping
	Transite Panels. Note: Transite will be loaded IN to
	WAITING Trailer on Sat. 11/9/96. AIR MONITORING
	STARTED. Personal - Pete Ruel # 024172 Soc. Sec # 264-08-7585
10:00 Am	I.H. collected Personal (lead) AIR SAMPLE. Contractors on
	lunch Break.
11:00 Am	CONTRACTORS RETURNED TO SCOPE OF WORK. I.H. Collected
	And Replaced AIR SAMPLE.
2:00 Pm	I.H. Collected Air SAMPLES for ANALYSIS
3:00 Pm	I.H. Collected Equipment And supplies. Departed
	SITE

Henry "Chuck" Addison

WEB ENVIRONMENTAL GROUP

DATE: 11-7-96
PROJECT:
PAGE: 1

DAILY LOG SHEET

TIME	REMARKS
6:30 Am	I.H. ARRIVED ON SITE. UNLOADING EQUIPMENT AND SUPPLIES.
	Cleared Security. ESCORTED TO BASEMENT AND PENTHOUSE
	ROOF.
7:00 Am	Southern Insulation Continuing lead Removal and wrapping
	(Poly) of Transite Panels. Note: Transite Panels will be
	loaded into waiting trailer SAT. 11/9/96. Air Monitoring
	Started.
10:00 Am	Lunch Break / Contractors Air Monitoring Continuing.
11:00 Am	CONTRACTORS RETURNED TO SCOPE OF WORK.
12:30 Pm	I.H. Collected Air Samples for ANALYSIS. Note: PCM ANALYSIS
	ON SITE, 37mm LEAD Air Samples will BE ANALYZED IN
	LAB.
1:00 Pm	I.H. PERFORMED FINAL VISUAL INSPECTION. - ACCEPTABLE.
2:30 Pm	I.H. SET-UP TEMP LAB for ON SITE ANALYZING, ANALYZED
	PCM Air SAMPLE, Completed PAPERWORK, LOADED UP
	Equipment AND SUPPLIES, ESCORTED OUT OF BLDG.
	AND DEPARTED SITE.

Henry "Chuck" Johnson

WEB ENVIRONMENTAL GROUP

DATE: 11/13/94
PROJECT:
PAGE: 1

DAILY LOG SHEET

TIME	REMARKS
6:30 Am	D.H. Arrived on site. unloaded equipment and supplies.
	Performing Pre-Abatement Inspection
7:12 Am	After Duct Taping A few holes In Containment.
	Containment is Now Acceptable for Removal.
7:20 Am	D.H. Calibrating Air Pumps And Setting up temp
	LAB.
7:25 Am	Southern Insulation Contractors Started Pipe Insulation
	Removal. D.H. Started Air monitoring.
8:45 Am	Contractors Have Removed Bulk ACM. Are Now Bagging
	And Wire Brushing Pipes. Air monitoring Continuing
9:35 Am	D.H. Collecting Personal Air Sample. Contractors "Bagged out"
9:40 Am	D.H. Started Collecting Ambient Air Samples. Replaced (Final)
	Cassettes. Contractors Cleaning Inside Containment Floor.
10:00 Am	Contractors on Lunch Break. D.H. Preparing to Analyze Samples.
11:00 Am	Contractors Returned to scope of Work. Air Monitoring Continuing
	Inside Finals Started. Visual Inspection - Acceptable
12:55 Pm	D.H. - Collecting Ambient / Finals For on site Analysis
2:13 Pm	D.H. Collected Inside Final for Analyzing on site.
2:30 Pm	D.H. Informed Contractors of Results.
3:00 Pm	D.H. Packed up Temp LAB, Equipment And Supplies
	Departed site. Note: Contractors Informed D.H. that Insulation
	Came off easy. Area was encapsulated
	No Problems to Report. (MEI 44-15)

WEB ENVIRONMENTAL GROUP

DATE: 11-18-96
PROJECT:
PAGE: 1 OF 1

DAILY LOG SHEET

TIME	REMARKS
6:30 Am	I.H. ARRIVED ON SITE. INSPECTED Containment - ACCEPTABLE.
	Southern Insulation Contractors PREPARING TO ENTER CONTAINMENT
	TO START PIPE INSULATION REMOVAL. LOCATION - BASEMENT/CHILLER Room
7:00 Am	I.H. CALIBRATED AIR PUMPS. STARTED AIR MONITORING.
	CONTRACTORS ENTER CONTAINMENT. PERFORMING SCOPE OF WORK.
9:00 Am	CONTRACTORS COMPLETED BULK REMOVAL, BAGGING ACM. I.H.
	COLLECTED PERSONAL AIR SAMPLE. FOR ON SITE ANALYSIS.
	NOTE: CONTRACTORS FINE CLEANING PIPES. AIR (AMBIENT)
	MONITORING CONTINUING.
9:30 Am	CONTRACTORS ON BREAK 10:15 Am I.H. CHANGED CASSETTES (AIR SAMPLES)
10:30 Am	CONTRACTORS RETURNED TO SCOPE OF WORK - AIR MONITORING
	CONTINUING.
11:10 Am	I.H. AND SUPERVISOR LINO OF SOUTHERN INSULATION ESCORTED TO
	PENTHOUSE ROOF TO Collect SAMPLES OF LEAD WASTE (TOWELS, SUITS
	ETC.) FOR THE PURPOSE OF CORRECT DISPOSAL.
11:45 Am	I.H. ENTER CONTAINMENT, PERFORMED VISUAL INSPECTION. OBSERVED
	THE FOLLOWING: INSULATION ON PIPES REMOVED, PIPES FINE CLEANED
	ACM BAGES OUTSIDE OF Containment (DOUBLE AND LABEL)
	COMPLETING Clean-up OF FLOOR. (WATER USED)
12:15 Pm	I.H. PERFORMED FINAL VISUAL INSPECTION - ACCEPTABLE FOR
	ENCAPSULATION. I.H. WILL ALLOW "DRYING TIME" BEFORE STARTING
	FINAL AIR SAMPLES. I.H. Collected AMBIENT AIR SAMPLES FOR
	ON SITE ANALYSIS.
1:00 Pm	I.H. STARTED FINAL AIR SAMPLES INSIDE CONTAINMENT 2:30 Pm Contractor departed
4:15 Pm	I.H. Collected Finals for Analysis.
5:00 Pm	I.H. Posted RESULTS ON Containment (PASSED). PACKED UP Supplies and
	Equipment. ESCORTED from JOB SITE. SHIFT OVER.
	NOTE: 35 BAGGS WERE LOADED OUT.

TCLP LEAD

Client: METROPOLITAN ENVIRONMENTAL TESTING / NEOB BUILDING
Client Sample ID: PENTHOUSE ROOF
EAS Sample ID: MTS96-017-96110112 Sample Type: Leachate
Date Sampled : 11/18/96 Date Received: 11/27/96
Date Analyzed: 12/12/96 Analyst: SD

Analyte	Result	Detection Limit	Regulatory Level	Units	Method
Lead	0.12	0.10	5.0	mg/L	6010

Units of mg/L are equivalent to ppm.
ND = Not detected at or above the listed detection limit.

97-634 TS/WPMOX
AUG 28 1997
DC010522
CC: WPMFW

WEB ENVIRONMENTAL GROUP

INDUSTRIAL HYGIENE SERVICES

RECEIVED
GSA/MCR
JUL 32 3 16 PM '97
SAFETY & ENVIRONMENT BRANCH (MPSSE)

July 22, 1997

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

Re: ACT #P57008563 - New Executive Office Building

Dear Ms. Eleazer:

Enclosed you will find the laboratory results for the area and final clearance samples collected during July 7, 1997 in the Penthouse Mechanical Room at the New Executive Office Building located at 750 17th Street NW Washington, DC.

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

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

Sincerely,

Leela Oudit

Leela Oudit
General Manager
Industrial Hygiene Services

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

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building

Project: P57008563

Location: 750 17th St NW - Penthouse Mechanical Room

DATE: 07/07/97

Removal Contractor KC Incorporated

Time Inspected: 2000

Monitoring Contractor: WEB Environmental Group

Time work started: 2030

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

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

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

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Robin Gray Date: 07/07/97

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: P57008563

Location: 750 17th St NW - Penthouse Mechanical Room Date: 07/07/97

Removal Contractor: KC Incorporated Time started: 2000

Monitoring Contractor: WEB Environmental Group Time Stopped: 0730

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (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	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA__YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Robin Gray Date: 07/07/97

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building Project: P57008563

Location: 750 17th St NW - Penthouse Mechanical Room Date: 07/07/97

Removal Contractor: KC Incorporated Time Inspected: 0300

Monitoring Contractor: WEB Environmental Group Time Completed: 0730

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

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

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

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

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

FINAL AIR SAMPLING:

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

Sample Number:	07	08			
Location:	Inside Penthouse	Outside Penthouse			
Volume (Liters):	1200	1200			
Flow rate: (Liters/Minute)	10	10			
Fibers/Filter:	.5/100	0/100			
Fibers/Cubic Cm:	<0.01f/cc	<0.01 f/cc			

ANALYSTS ANALYZING SAMPLING: Robin Gray DATE: 07/08/97

Field Notes:

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

_____
_____
_____
_____
_____

REPORT PREPARED BY: Robin Gray **DATE:** 07/08/97

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

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** 970152

INDUSTRIAL HYGIENIST Robin Gray **DATE** 07/07/97

ABATEMENT CONTRACTOR KC Incorporated

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Background	598	10	2030	2230	<0.01 f/cc

LOCATION: **Penthouse Mechanical Room - outside containment**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Background	606	10	2045	2245	<0.01 f/cc

LOCATION: **Penthouse Mechanical Room - inside containment**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Inside	606	10	2355	0300	<0.01 f/cc

LOCATION: **Penthouse Mechanical Room - near microtrap**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Inside	598	10	2355	0300	<0.01 f/cc

LOCATION: **Penthouse Mechanical Room - clean room**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Outside	600	10	2355	0300	<0.01 f/cc

LOCATION: **Penthouse Mechanical Room - containment work area**

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

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT #** 970152

INDUSTRIAL HYGIENIST Robin Gray **DATE** 07/07/97

ABATEMENT CONTRACTOR KC Incorporated

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Outside	650	10	2355	0300	<0.01 f/cc

LOCATION: **Penthouse Mechanical Room - hallway**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Final	598	10	0400	0600	<0.01 f/cc

LOCATION: **Penthouse Mechanical Room - inside containment**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
08	Final	606	10	0400	0600	<0.01 f/cc

LOCATION: **Penthouse Mechanical Room - outside containment**

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

LOCATION:

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

LOCATION:

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

WEB ENVIRONMENTAL GROUP

ATE: July 7, 1997
PROJECT: GSA NEOB
PAGE: 1 of 2

DAILY LOG SHEET

TIME	REMARKS
7:30	Arrived on job site at 725 17th Street NW Washington DC, meet Kerry Bonos GSA Safety Representative and Andre Johnson K.C. Incorporated foremen.
8:00	Escorted to work area Penthouse (Mechanical Room) Workers D, Indil Conteras and Antiono Diaz were Preping area with poly, duct tape + adhesive spray. Visual inspection is being made checking for proper setup on decontainment area. Ducts, wall, door + floor will be poly Work area is clean + neat there is Aem debris on floor + pipes. Signs are properly placed.
8:30	Started background samples - Inside + outside of decon
9:00	Workers are still preping area Checked area and worker
10:30	Stopped (turned off) pumps and analyzed samples using NIOSH 7400 Method - Nikon. Time - Sample ① 8:30pm - 10:30pm Flowrate 10.0 lpm Sample ② 8:45pm - 10:45pm flow rate 10.0 lpm.
11:30	Workers + foremen went to pickup more equipment - microtrap, cords, poly and removal supplies.
12:00	Checked decon area for leaks, proper prep Decon is properly built

WEB ENVIRONMENTAL GROUP

DATE: July 7, 1997
PROJECT: GSA NEOB
PAGE: 2 of 2

DAILY LOG SHEET

TIME	REMARKS
12:30	Workers suit up to start removal.
	Respirator, suits, gloves + duct tape secure the workers
	Check decon and workers
1:00	Workers continue to remove ACM from tank
3:00	Work has been completed. Visual inspection has passed - encap area ~~remove decon~~
4:00	Final samples are running time-on/off
	Sample (7) Outside workarea 4:00am-6:00am 10.0 lpm
	(8) Inside workarea 4:00am - 6:00am 1 lpm.
6:00	Samples - turned off Finals ~~have~~ are being analyzed and passed. Removal of decon is now taking place.
7:00	Workers loading supplies to truck, decon has been removed - visual inspection of area clean - with no debris present.
7:30	Crew has completed project.

GENERAL SERVICES ADMINISTRATION
NATIONAL CAPITAL REGION
WASHINGTON, D.C.

VC0105ZZ
FILE COPY

PROJECT: Design/Build Vertical Transportation Improvements Passenger Elevators #1 through #6, Passenger/Freight Elevator #7 and Freight Elevator #8

New Executive Office Building
Washington, D.C.

CONTRACT NO.: GS-11P97MKC0015

CONTROL NO.: IDC 68035

FOR OFFICIAL USE ONLY

WHP-E 2-6
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SUBMISSION - 50% (Intermediate)

VOLUME III OF III - SAFETY AND ENVIRONMENTAL REPORT

Submitted By:

PKP Engineers, P.C.
4906 Wisconsin Avenue, N.W.
Washington, D.C. 20016

applied environmental inc.

11800 Sunrise Valley Drive, Suite 1200
Reston, Virginia 20191

(703) 648-0822
FAX (703) 648-0575

December 18, 1997

Mr. John Koroulakis
PKP Engineers, P.C.
4906 Wisconsin Avenue, N.W.
Second Floor
Washington, D.C. 20016

REF: New Executive Office Building, Elevator Improvement

Dear Mr. Koroulakis:

Per your request Applied Environmental Inc. conducted an asbestos location survey and lead screening survey of select areas of the New Executive Office Building, located at 17th Street and Pennsylvania Avenue, N.W., Washington D. C. The scope of the survey consisted of inspecting the areas that will be impacted by the planned elevator renovations. The survey was conducted by Mr. Jason P. Sigler an accredited asbestos building inspector and management planner. Mr. Sigler is also an accredited lead inspector.

The areas inspected include the penthouse secondary elevator mechanical room, the main elevator room, the elevator shafts and pits, the #8 elevator mechanical room, and the elevator lobbies for cars 1 - 8.

ASBESTOS INSPECTION SURVEY

Asbestos-containing textured ceilings were previously identified in the elevator lobbies, and therefore not sampled. In addition, the elevator doors are assumed to contain asbestos.

No materials suspected to contain asbestos, other than those previously identified, are expected to be impacted during the planned renovations.

The asbestos-containing textured ceiling material must be properly removed if it will be disturbed by the renovation activities. If the elevator doors will be removed as part of the renovation project, then they must be assumed to contain asbestos unless destructive inspection methods and sampling indicate otherwise. The elevator doors assumed to contain asbestos must be disposed of as asbestos-containing material.

The asbestos-containing materials must be removed by a asbestos abatement contractor licensed in the District of Columbia prior to any renovation activity which would disturb them. All removal work must be performed in accordance with applicable federal and District of Columbia regulations.

LEAD-BASED PAINT SURVEY

The lead screening survey was performed to determine the general lead concentrations of representative surfaces expected to be impacted during the planned renovations. Surfaces tested include walls, wood doors and door casings, windows and window casings, baseboards, radiators, and ceramic wall tile.

Testing to determine the lead concentration of painted surfaces was performed using a NITON XL, X-Ray Fluorescence (XRF) spectrum analyzer. The NITON XL is a hand-held portable lead detector, designed to make accurate, non-destructive measurements of lead concentrations in lead-based paint.

The District of Columbia currently defines lead-based paint as any surface coating with a lead concentration of one milligram per square centimeter (1.0 mg/cm^2) or greater.

Any contractor impacting paint or glazing containing detectable levels of lead must perform work in accordance with the Occupational Safety and Health Administration (OSHA) Lead in Construction Standard 29 CFR 1926.62, which regulates construction work involving lead. However, the standard does not define a specific concentration of lead which must be present within paint for it to be considered "lead-containing." Painted or glazed surfaces that contain less than 1.0 mg/cm^2 lead by XRF or 0.5% lead by weight but have detectable concentrations of lead are still of concern under the OSHA Standard. Since OSHA does not define a specific concentration of lead which must be present within paint or glazing for it to be considered "lead-containing," any contractor performing work that could impact the paint or glazing that has detectable concentrations of lead should be informed of the testing results, and should take appropriate actions to comply with OSHA Standard 29 CFR 1926.62. This would include performing monitoring to measure worker exposure, assuring that the workers are provided with adequate respiratory protection, and are provided with appropriate training.

Typical surfaces tested include steel beams, concrete walls and floors, corrugated metal decking, sprinkler pipe, electrical conduit, elevator motors, switch cabinets, control panels, controllers, generators, governors, selectors, hydraulic units, and elevator car doors, and door casings.

Testing found the following surfaces measured lead concentrations of 1.0 mg/cm^2 or greater:

- Green elevator motors in the main elevator mechanical room.
- Green concrete elevator motor base in the main elevator mechanical room.
- The tops and frames of the black selectors in the main elevator mechanical room.
- The green elevator #8 hydraulic unit in the parking level elevator mechanical room.

In addition the black control cabinets measured lead concentrations of 0.5 to 0.6 mg/cm².

All other surfaces tested measured lead concentrations of 0.2 mg/cm² or less.

The disposal of waste generated during the demolition operations, including items coated with lead paint, is regulated by Environmental Protection Agency Standard 40 CFR 261, Subpart C. This regulation requires that a Toxicity Characteristic Leaching Procedure (TCLP) be utilized to determine if the lead paint would be considered hazardous waste. A material is considered hazardous if it is ignitable, reactive, corrosive, or toxic.

A data table presenting the results of the sampling is attached. Individual building components tested are listed under "Structure," "Feature," and "Feat. Id." The condition of the tested component is noted under "Condition." The substrate on which the paint film or tile glazing is applied to is noted under "Substrate." The lead concentration is noted in mg/cm² in the "PbL" column. The accuracy and length of test are noted in the "Precision (+/-)" and "Duration (sec)" columns respectively.

If you have any questions, please do not hesitate to call.

Sincerely,

Jason P. Sigler
Industrial Hygienist
Project Manager - Field Services

Attachments

Ref. No. 618-97-0646

New Executive Office Building
17th Street + Pennsylvania Ave
Washington, D. C.

TEST SITE: New Executive Office Building TEST DATE: 11/14/97

No. XL#	Date Time	Flr. Side	Room No.	Structure Feature	Condit. Substr.	I N	Depth Time	PbL +/-	PbK Range	Result
1	11/14/97		Calibrate			1	1.0	0.9	-1.4	
1	18:15:05				NonWood		16	0.1	5.9	
2	11/14/97	1	Calibrate			1	1.0	1.0	-2.0	Pos
2	18:15:40				NonWood		11	0.2	8.3	
3	11/14/97	1	Calibrate			1	1.1	1.1	-1.6	Pos
3	18:16:05				NonWood		10	0.2	8.3	
4	11/14/97	Pent	Secondary	I Beam	Solid	1	6.2	0.1	-0.9	
4	18:16:39		Mech		Metal		74	0.0	1.9	
5	11/14/97	Pent	Secondary	Wall	Solid	1	4.7	0.0	-0.6	
5	18:19:11		Mech	Wall	Concrte		21	0.1	6.1	
6	11/14/97	Pent	Secondary	Corrugated	Solid	1	1.0	0.0	-0.8	
6	18:19:58		Mech	Decking	Metal		22	0.0	4.1	
7	11/14/97	Pent	Secondary	Sprinkler	Solid	1	1.0	0.0	-0.4	
7	18:20:47		Mech	Pipe	Metal		22	0.0	3.6	
8	11/14/97	Pent	Secondary	Floor	Solid	1	1.0	0.0	-0.3	
8	18:22:01		Mech		Concrte		22	0.0	3.4	
9	11/14/97	Pent	Secondary	Electrical	Solid	1	1.0	0.0	-0.3	
9	18:22:49		Mech	Duct	Metal		22	0.0	4.4	
10	11/14/97	Pent	Main	Elevator	Solid	1	1.0	1.4	-0.5	Pos
10	18:23:38		Mech	Motor	Metal		22	0.1	7.2	
11	11/14/97	Pent	Main	Elevator	Solid	1	1.6	0.9	-0.5	
11	18:24:38		Mech	Motor Base	Concrte		22	0.1	3.7	
12	11/14/97	Pent	Main	Floor	Solid	1	1.3	0.1	-0.3	
12	18:25:58		Mech		Concrte		23	0.0	5.8	
13	11/14/97	Pent	Main	Control	Solid	1	1.0	0.4	-0.4	
13	18:26:48		Mech	Panel	Metal		22	0.0	4.3	
14	11/14/97	Pent	Main	Control	Solid	1	1.0	0.0	-0.3	
14	18:27:47		Mech	Panel	Metal		35	0.0	4.7	
15	11/14/97	Pent	Main	Selectors	Solid	1	2.3	1.0	-1.6	Pos
15	18:29:24		Mech	Frame	Metal		22	0.1	4.9	

I-Inspector N-Note

Results by Test Number, Neg<1.0 Pos>=1.0 mg/cm2 Niton XL#

TEST SITE: New Executive Office Building TEST DATE: 11/14/97

No. XL#	Date Time	Flr. Side	Room No.	Structure Feature	Condit. Substr.	I N	Depth Time	PbL +/-	PbK Range	Result
16	11/14/97	Pent	Main	Selectors	Solid	1	1.0	0.9	-1.3	
16	18:30:24		Mech	Top	Metal		21	0.0	4.7	
17	11/14/97	Pent	Main	Governer	Solid	1	1.0	0.0	0.0	
17	18:31:28		Mech		Metal		52	0.0	6.9	
18	11/14/97	B	Elev 8	Hydraulic	Solid	1	1.4	1.3	0.0	Pos
18	18:33:13		Mech	Unit	Metal		19	0.2	25.9	
19	11/14/97	B	Elevator	Door	Solid	1	1.0	0.1	-0.1	
19	18:33:23		Lobby	Casing	Metal		21	0.0	4.6	
20	11/14/97	5	Elevator	Door	Solid	1	3.0	0.2	-0.2	
20	18:34:44		Lobby	Casing	Metal		22	0.1	6.1	

I-Inspector N-Note

92-0927
Reviewed/Mailed T.S.
FEB 23 1993
DC005222

TRACOR

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

Project No.: 123-328-21
Serial No.: CW-92-9081
ACT No.: P96949803

February 21, 1992

APR 29 8 20 AM '92

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

Subject: NEW EXECUTIVE OFFICE BUILDING; ENCAPSULATION TEST PROJECT ROOM 5002.

Dear Ms. Eleazer:

This is the final report of the asbestos encapsulation test project that occurred at the New Executive Office Building (725 17th Street Northwest), Fifth Floor Room 5002. This report included work conducted between February 14 through 16, 21 and 22, 1992.

Personnel from Tracor Technology Resources, Inc. (TTR) monitored LVI, a licensed asbestos abatement contractor, encapsulating a friable asbestos sprayed on fire proofing on the decking of Room 5002.

All air sampling pumps were calibrated both before and after taking each sample set. Air samples were taken at $\geq$2.5 liters per minute. A total of 26 samples were collected and were analyzed on-site during Phase Contrast Microscopy (PCM) with the NIOSH 7400 counting method "A" rules being used.

This area was lockdown with approximately 25 gallons of Fiber Lock Technologies, (7475), on 375 square feet of ceiling. The test was performed to determine if the encapsulant would cause the fire proofing to delaminate.

A Cohesion/Adhesion test was performed by Testwell Craig on Saturday, February 16 and Friday February 22, 1992. All six tests failed, the ACM was not able to support additional weight.

ms 4-30-92

This project consisted of two (2) start-up and four (4) daily and two (2) final checklist reports. In addition to monitoring the encapsulation activities, the TTR industrial hygienist conducted daily air monitoring to determine work area fiber concentration and fiber levels outside the work area. The industrial hygienist also conducted final inspections. All work area air samples were below the required EPA level of 0.01 fibers per cubic centimeter (0.01 f/cc).

Please find enclosed air sampling data, daily and final checklists and all daily notes.

If you should have any questions or need additional information, please feel free to call.

Sincerely,

TRACOR TECHNOLOGY RESOURCES, INC.

Sharon Philpott for
Charles E. Wiles, Jr.
Industrial Hygienist

Gwen Russell
Gwen Russell, MA RPG
Manager, Industrial Hygiene Services
Washington, DC

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEW EXEC. OFFICE BUILDING Project: 123-328-21-01

Location: 725 17th STREET N.W. WASHINGTON DC Date: 2-14-15-92

Removal Contractor: LVI Time Started: 3:30PM

Monitoring Contractor: TRACOR Time Stopped: 6:30 AM · 2/15/92

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.	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.	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."

LVI SETTING UP ENCLOSURE IN 5002 SUITE

Report Prepared By: [signature] Date: 2-14-15-92

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOR Project: 123 32821

Location: RM. 5002 Date: 2-15-92

Removal Contractor: LUI Time Started: 0540

Monitoring Contractor: Tracon 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.	X	X
	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.		X
	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."

Saws Used To Cut 2x4's

Material Kept stored w/i The containment.

Report Prepared By: [signature] Date: 2-15-92

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEW EXEC. OFFICE BUILDING Project: 123-378-21-01

Location: 725 17TH STREET N.W. WASH DC. Date: 2-15-92 - 2-16-92

Removal Contractor: LVI Time Started: 6:00 P.M.

Monitoring Contractor: TRACOR Time Stopped: 2:50 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"	✓	✓
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" N/A	
	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."

NEG AIR DROPPED TO .02 WHEN TOP LAY OF POLY REMOVED - NO EVIDENCE OF LEAKAGE

FINAL SAMPLES RAN

ACM FIREPROOFING REMAINS

Report Prepared By: [signature] Date: 2-16-92

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Exec Office Building Project: 123-328-21-01

Location: 725 17th Street NW Wash DC Date: 2-15-92 - 2-16-92

Removal Contractor: LVI Time Inspected: 9:30-10:30

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.	✓	
	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:	15	16	17	18	19 20
Location:	EAST SIDE	SOUTHSIDE	WESTSIDE	NORTHSIDE	BLANKS
Volume (Liters):	2020	2020	2020	2020	
Flow rate: (Liters/Minute)	10l	10l	10l	10l	
Fibers/Filter:	8.5	4	9	7	
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."

THE FLOOR & POLY WALLS HAD NO VISUAL ACM. ALTHOUGH THERE IS NO VISUAL ACM ON WALLS & FLOOR, THE ASBESTOS FIREPROOFING SPRAY-ON STILL EXISTS ON THE CEILING AND VISUALL APPEARS FRIABLE. AT THE TIME OF FINAL AIR SAMPLING NO ACM DELAMINATION HAS OCCURRED BUT I BELIEVE OVER A PERIOD OF TIME THIS CONDITION COULD CHANGE.

Report Prepared By: [signature] Date: 2-16-92

REPORT REVIEWED BY: _____ DATE: _____

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Exec Office Bldg Project: 123-328-21-01

Location: Room 5002 Date: 2-15-92

Removal Contractor: LVI Time Inspected: 5:50 AM

Monitoring Contractor: TRACOR Time Work Started: See John Gou

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 > .03"	✓	
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."

AREA INSPECTED 5:50 AM. CEILING WILL BE DROPPED & SEALED

NEG AIR -.039 PRIOR TO CEILING DROP

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: [signature] Date: 2-15-92

Exhibit A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Project: 12332821 01

Location: Rm 5002 Date: 2-15-92

Removal Contractor: LUI Time Inspected: 0655

Monitoring Contractor: TRACOR Time Work Started: 0700

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: [signature] Date: 2-15-92

Exhibit B

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 123-328-21-d

Location: 725 17th STRT WASH DC, Room 5002 Date: 2-21, 2-22-92

Removal Contractor: ~~TRACOR~~ LVI Time Started: 4:15 P.M.

Monitoring Contractor: TRACOR Time Stopped: 6:20 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"	✓	
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	N/A	
	c. Debris Stored in removal area.	N/A	

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	N/A	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ✓ HEPA ✓ PAPR ✓ TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?	✓	
	b. Soap and Towels?	✓	
	c. Used Each Departure?	✓	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

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

L.N.1 Removing Criticals and Reinstalling Ceiling Tiles & Final out Area.

Report Prepared By: [signature] Date:

Exhibit C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB - Project: 123-328-821-61

Location: 725 17th STREET WASH DC Room 5002 Date: 2-22-92

Removal Contractor: LVI Time Inspected: 2:40 AM

Monitoring Contractor: TRACOR Time Completed: 5:55 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.	N/A	
	d. Ventilation Equipment.	✓	
(above eye level)	e. Horizontal surfaces.	✓	
BELOW CEILING TILE	f. Pipes.	N/A	
	g. Ductwork.	N/A	
	h. Registers	N/A	
	i. Lights.	✓	

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

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

FINAL AIR SAMPLING:

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

Serial Number:	_____	_____	_____	_____	_____
Location:	_____	_____	_____	_____	_____
Volume (Liters):	_____	_____	_____	_____	_____
Flow rate: (Liters/Minute)	_____	_____	_____	_____	_____
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: _____ Date: _____

REPORT REVIEWED BY: _____ DATE: _____

TRACOR TECHNOLOGY RESOURCES, INC.
1601 RESEARCH BOULEVARD
ROCKVILLE, MARYLAND 20850
TELEPHONE (301)251-4922
02/24/92

SUMMARY REPORT

PROJECT NUMBER	LOG NUMBER	SAMPLE NUMBER	FIBERS PER CC
1233282101	55892	21	< 0.005
1233282101	55992	22	< 0.005
1233282101	56092	23	< 0.004
1233282101	56192	24	< 0.004
1233282101	56292	25	BLANK COUNT= 0.00
1233282101	56392	26	BLANK COUNT= 0.00

APPROVED BY _____
MICHAEL L. EDWARDS
LABORATORY MANAGER

TRACOR TECHNOLOGY RESOURCES, INC.
1601 RESEARCH BOULEVARD
ROCKVILLE, MARYLAND 20850
TELEPHONE (301)251-4922
02/18/92

SUMMARY REPORT

PROJECT NUMBER	LOG NUMBER	SAMPLE NUMBER	FIBERS PER CC
1233282101	50792	01	< 0.005
1233282101	50892	02	< 0.005
1233282101	50992	03	< 0.005
1233282101	51092	04	0.007
1233282101	51192	05	BLANK COUNT= 0.00
1233282101	51292	06	BLANK COUNT= 0.00
1233282101	51392	15	< 0.002
1233282101	51492	16	< 0.002
1233282101	51592	17	< 0.002
1233282101	51692	18	< 0.002
1233282101	51792	19	BLANK COUNT= 0.00
1233282101	51892	20	BLANK COUNT= 0.00

APPROVED BY _____
MICHAEL L. EDWARDS
LABORATORY MANAGER

TRACOR TECHNOLOGY RESOURCES, INC.
1601 RESEARCH BOULEVARD
ROCKVILLE, MARYLAND 20850
TELEPHONE (301)251-4922
02/18/92

SUMMARY REPORT

PROJECT NUMBER	LOG NUMBER	SAMPLE NUMBER	FIBERS PER CC
1233282101	51992	7	0.016
1233282101	52092	8	< 0.003
1233282101	52192	9	0.004
1233282101	52292	10	0.004
1233282101	52392	11	0.004
1233282101	52492	12	< 0.003
1233282101	52592	13	BLANK COUNT= 1.00
1233282101	52692	14	BLANK COUNT= 1.00

APPROVED BY

MICHAEL L. EDWARDS
LABORATORY MANAGER

Tracor Technology Resources — **Air Sample Sheet**

Project # 1 2 3 3 2 8 2 1 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	Fields Counted	Blank Count	Net Count	Fibers Per cc
A	50792	01	90-5	10.0 l	10.0 l	10.0 l	4:37	6:17	100	1000	3	100	0	3	<.005
A	Notes: IN HALL 10' NORTH OF DOOR 5002														
B	50892	02	90-4	10.0 l	10.0 l	10.0 l	4:43	6:17	940	940	2	100	0	2	<.005
B	Notes: SOUTH END OF AREA														
C	50992	03	60	10.0 l	10.0 l	10.0 l	4:45	6:17	920	920	2	100	0	2	<.005
C	Notes: NORTH END OF AREA 5002														
D	51092	04	60	10 l	10.0 l	10.0 l	11:15	1:17	122[illegible]	1220	17	100	0	17	.00867 car
D	Notes: ENTRANCE DOOR TO LAB AREA														

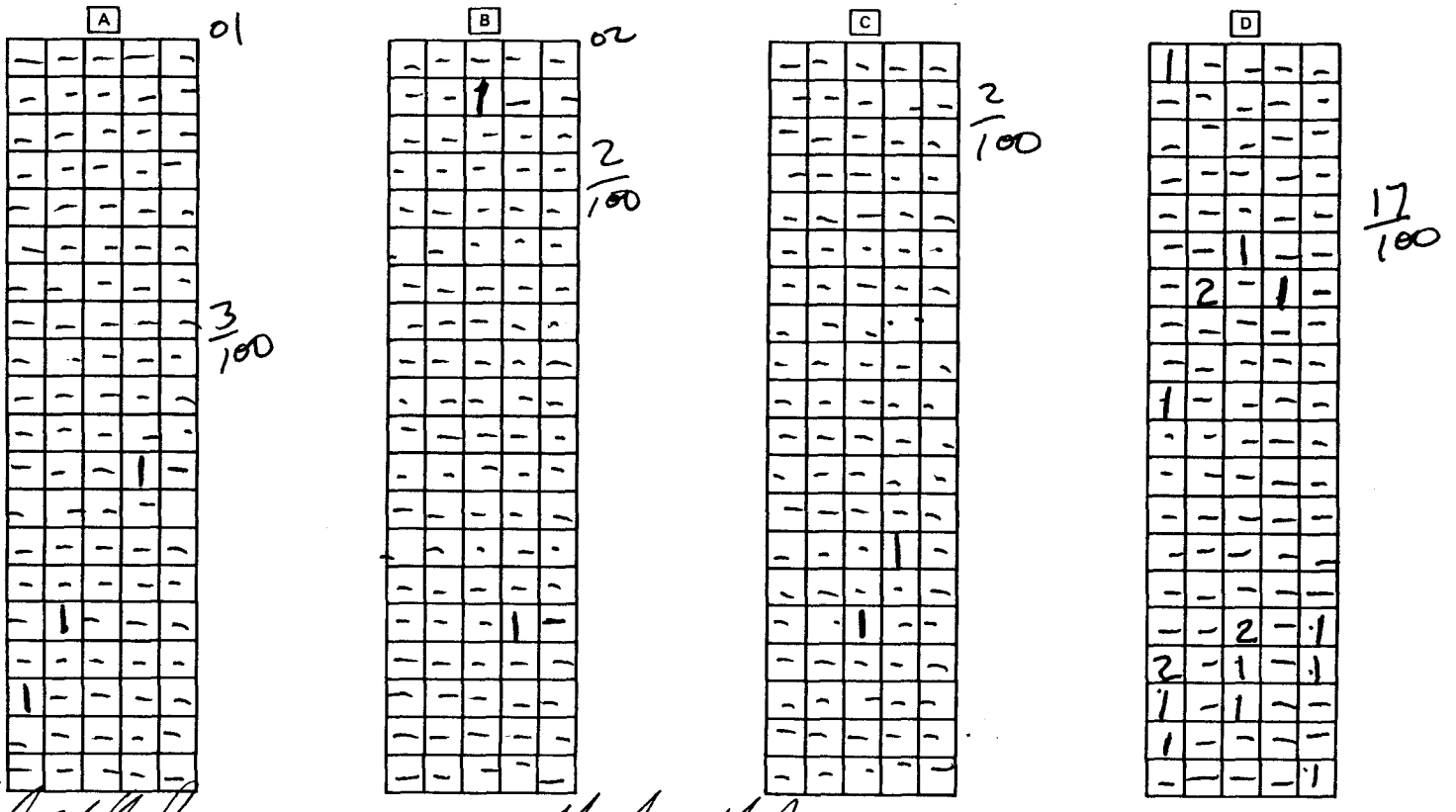
Field Area: (Check One) ☑ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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



2-14-92
FIELD TECH. DATE

2-15-92
ANALYST DATE

Tracor Technology Resources — **Air Sample Sheet**

1601 Research Boulevard
Rockville, Maryland 20850

Project # 1,2,3,3,2,8,2,1,0,1

	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	51192	05									0	100	0		
A	Notes:	BLANK													
B	51292	06									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 05 0/100

B 06 0/100

C

D

2-14-92
FIELD TECH. DATE

2-15-92
ANALYST DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 1 2 3 3 2 8 2 1 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	51992	7		2.5	2.5	2.5	0655	1400	425	1063	35	100	1	34	.016
A	Notes: Inside Sample Center of Containment														
B	52092	8		2.5	2.5	2.5	0730	1700	570	1425	10	100	1	9	<.003
B	Notes: East Room 5002 W/I the Hallway														
C	52192	9		2.5	2.5	2.5	0730	1700	570	1425	15	100	1	14	.004
C	Notes: South East of Containment In Rm 5002														
D	52292	10		2.5	2.5	2.5	0730	1700	570	1425	13	100	1	13	.004
D	Notes: North of Containment In Rm 5002														

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

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

B

		1		
1				
		1		
				1
				1
		1		
	1			1
1				
			1	

C

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

D

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

J Golombiski III 2-15-92
FIELD TECH. DATE

J Golombiski III 2-15-92
ANALYST DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 1,2,3,3,2,8,2,1,0,1

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	52392	11		2.5	2.5	2.5	0730	1700	570	1425	12	100	1	11	.004
A	Notes: North West of Containment Rm 5002														
B	52492	12		2.5	2.5	2.5	0730	1700	570	1425	8.5	100	1	7.5	<.003
B	Notes: Exit of Bag out Decon Rm 5002														
C	52592	13	→							→	1	100	1	1	
C	Notes: Blank														
D	52692	14	→							→	1	100	1	1	
D	Notes: Blank														

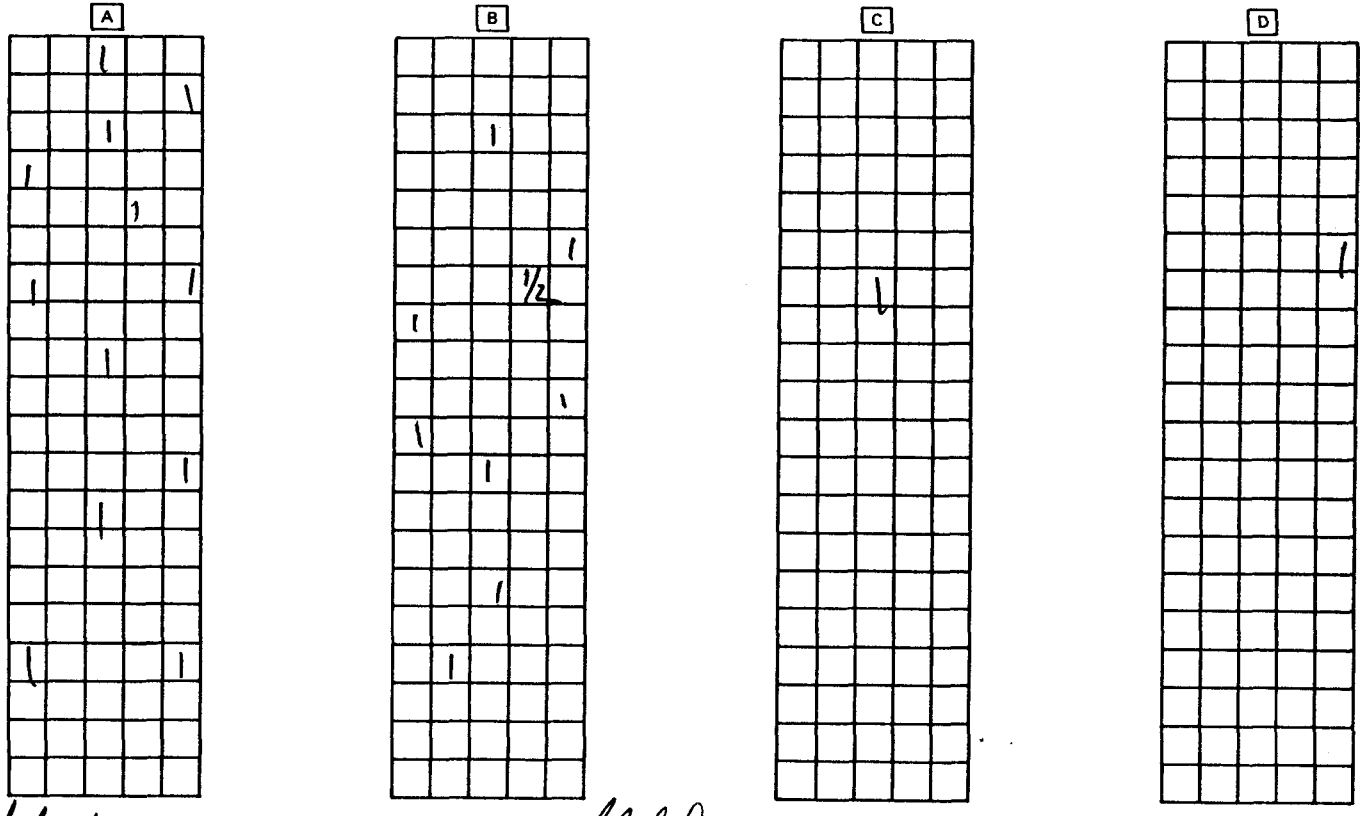
Field Area: (Check One) ☐ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

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



J Solomchik 2-15-92
FIELD TECH. DATE

J Solomchik 2-15-92
ANALYST DATE

Tracor Technology Resources

1601 Research Boulevard
Rockville, Maryland 20850

Air Sample Sheet

Project # 1,2,3,3,2,8,2,1,0,1

	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	51392	15	90-5	10.	10.	10.	10:23	1:45	202	2020	8.5	100	0	8.5	<.002
A	Notes: EAST SIDE OF CONTAINMENT FINAL AIR														
B	51492	16	95	10.	10.	10.	10:23	1:45	202	2020	4	100	0	4	<.002
B	Notes: SOUTH SIDE OF CONTAINMENT FINAL AIR														
C	51592	17	60	10.	10.	10.	10:23	1:45	202	2020	9	100	0	9	<.002
C	Notes: WEST SIDE OF CONTAINMENT FINAL AIR														
D	51692	18	90-4	10.	10.	10.	10:23	1:45	202	2020	7	100	0	7	<.002
D	Notes: NORTH SIDE OF CONTAINMENT FINAL AIR														

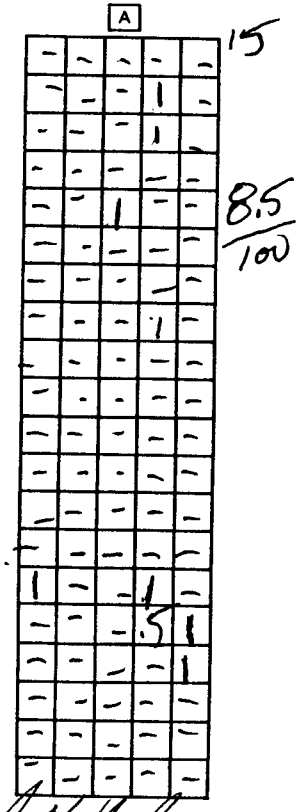
Field Area: (Check One) ☐ .00785 ☐ .00754 ☐ .00724 ☐ .00801 ☐ .00817

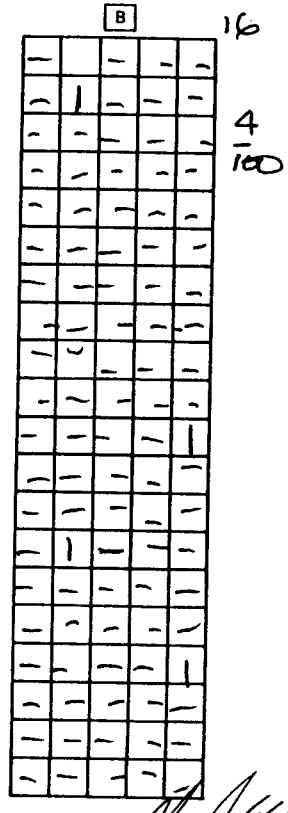
Calculations: Mean Flow = $\frac{\text{Pre} + \text{Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

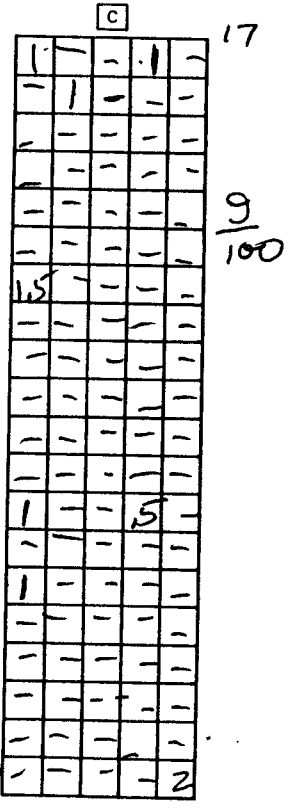
Filter Size ☐ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

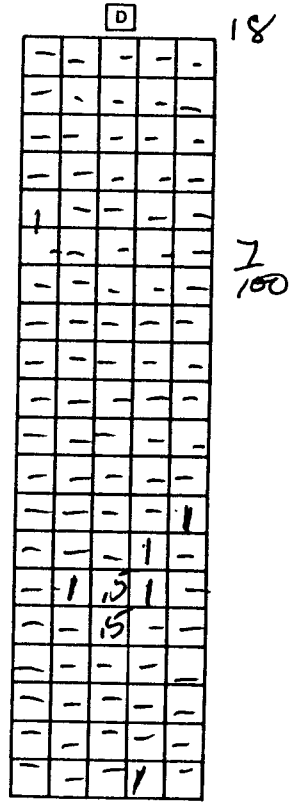
Net Count = $\left(\frac{\text{Total Count}}{\text{Fields Counted}} \times 100\right)$ - Blank Count

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









2-15-92
FIELD TECH. DATE

2-16-92
ANALYST DATE

Tracor Technology Resources | **Air Sample Sheet**

Project # 1 2 3 3 2 8 2 1 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	51792	19									0	100	0		
A	Notes: BLANK														
B	51892	20									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 19 0/100

B 20 0/100

C

D

FIELD TECH. 2-15-92 2-16-92 DATE

ANALYST 2-16-92 DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 1 2 3 3 2 8 2 1 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	55892	21	K	2.5	2.5	2.5	5:48	12:50	422	1055	9	100	0	9	<.005
A	Notes:	HALL OUTSIDE ROOM 5002													
B	55992	22	L	2.5	2.5	2.5	5:51	12:51	420	1050	4	100	0	4	<.005
B	Notes:	NORTH END OF ROOM 5002													
C	56092	23	95	10.0	10.0	10.0	3:24	5:24	120	1200	2	100	0	2	<.004
C	Notes:	EAST SIDES OF 5002 ROOM FINAL													
D	56192	24	90-5	10.0	10.0	10.0	3:24	5:24	120	1200	1	100	0	1	<.004
D	Notes:	WEST SIDES OF 5002 ROOM FINAL													

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

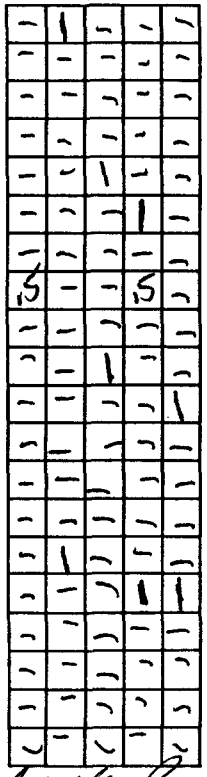
Calculations: Mean Flow = $\frac{\text{Pre + Post}}{2}$ Total Time = Off-On Volume = Total Time x Mean Flow

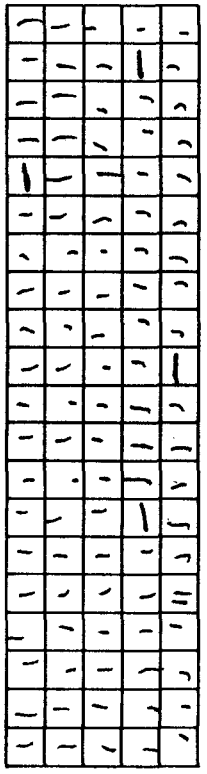
Filter Size ☐ 25 mm (385 sq mm) ☐ 37 mm (855 sq mm)

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

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

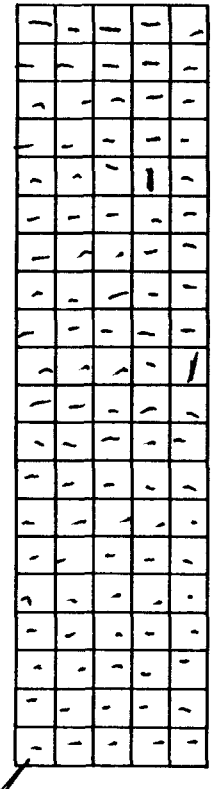
A 21 — 9/100



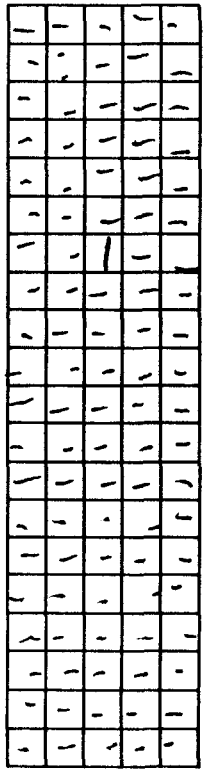


B 22 — 4/100

C 23 — 2/100



D 24 — 1/100



Charles E. Wilson 2-21-92
FIELD TECH. DATE

Charles E. Wilson 2-22-92
ANALYST DATE

Tracor Technology Resources — **Air Sample Sheet**

Project # 1 2 3 3 2 8 2 1 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	56292	25									0	100	0		
A	Notes: BLANK														
B	56392	26									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 25 0/100

B 26 0/100

C

D

FIELD TECH. 2-22-92 DATE

ANALYST 2-22-92 DATE

PROJECT # 1 7 3 3 2 5 2 1 0 1

CHAIN OF CUSTODY FORM

BUILDING ID NUMBER NEOB

SURVEY TEAM WINES

SAMPLE NUMBERS FROM 1-6 #15-20 TO _____ TOTAL 12

	FROM SIGNATURE AND AFFILIATION	DATE	MIL. TIME	TO SIGNATURE AND AFFILIATION	DATE	MIL. TIME
1.	[illegible]	2-16-92	1815	[illegible]	2-17-92	0845
2.						
3.						
4.						
5.						
6.						
7.						

PLEASE LIST ALL SAMPLE NUMBERS AS THEY APPEAR ON THE FIELD SURVEY RECORD. THEY CAN BE LISTED AS A GROUP (BA 0001 TO 0009, 01-0010 TO 01-0012) AS LONG AS ANY OMITTED NUMBERS ARE INDICATED, (NO SAMPLE BA-0006). THIS WILL HELP THE LAB TO IDENTIFY SAMPLE NUMBERING PROBLEMS. PLEASE INDICATE IF THEY ARE EMERGENCY SAMPLES.

NEW EXEC OFFICE BLDG Room 5002

PROJECT # 123328101

CHAIN OF CUSTODY FORM

BUILDING ID NUMBER 12475

SURVEY TEAM

SAMPLE NUMBERS FROM 7 TO 14 TOTAL 8

	FROM SIGNATURE AND AFFILIATION	DATE	MIL. TIME	TO SIGNATURE AND AFFILIATION	DATE	MIL. TIME
1.	[illegible]	2-15-92	1030	[illegible]	2-18-92	10:30
2.						
3.						
4.						
5.						
6.						
7.						

PLEASE LIST ALL SAMPLE NUMBERS AS THEY APPEAR ON THE FIELD SURVEY RECORD. THEY CAN BE LISTED AS A GROUP (BA 0001 TO 0009, 01-0010 TO 01-0012) AS LONG AS ANY OMITTED NUMBERS ARE INDICATED, (NO SAMPLE BA-0006). THIS WILL HELP THE LAB TO IDENTIFY SAMPLE NUMBERING PROBLEMS. PLEASE INDICATE IF THEY ARE EMERGENCY SAMPLES.

GSA-123-328-21-01
Room 5002 ~~NE~~ EAST WING
NEW EXECUTIVE OFFICE BLDG
725 17th STREET N.W. WASHINGTON DC.

CONSULTANTS

TRACOR TECHNOLOGY RESOURCES
1601 RESEARCH BLVD
ROCKVILLE MD 20850

INDUSTRIAL HYGIENIST
CHARLES WILES - 301-251-4911 301-913-1516
JOHN GOLOMBIESKI " 301-913-1497

SUPERVISOR.
GWEN RUSSELL - 301-251-4911

ABATEMENT CONTRACTOR
LVI ENVIRONMENTAL SERVICES INC
1075 TAFT STREET, ROCKVILLE MD 20850
301-762-1340

LVI ENVIRONMENTAL SERVICES
1075 Taft Street • Rockville, MD 20850
(301) 762-1340 or Emer. Beeper (202) 597-8183
MD LIC #M39-00-011 VA LIC #3306-000111
AL LIC #17991 NC LIC #25812 SC LIC #358

Waste Generator _____
(Owner)

Site Location: _____
Job # _____
Seal Date: _____

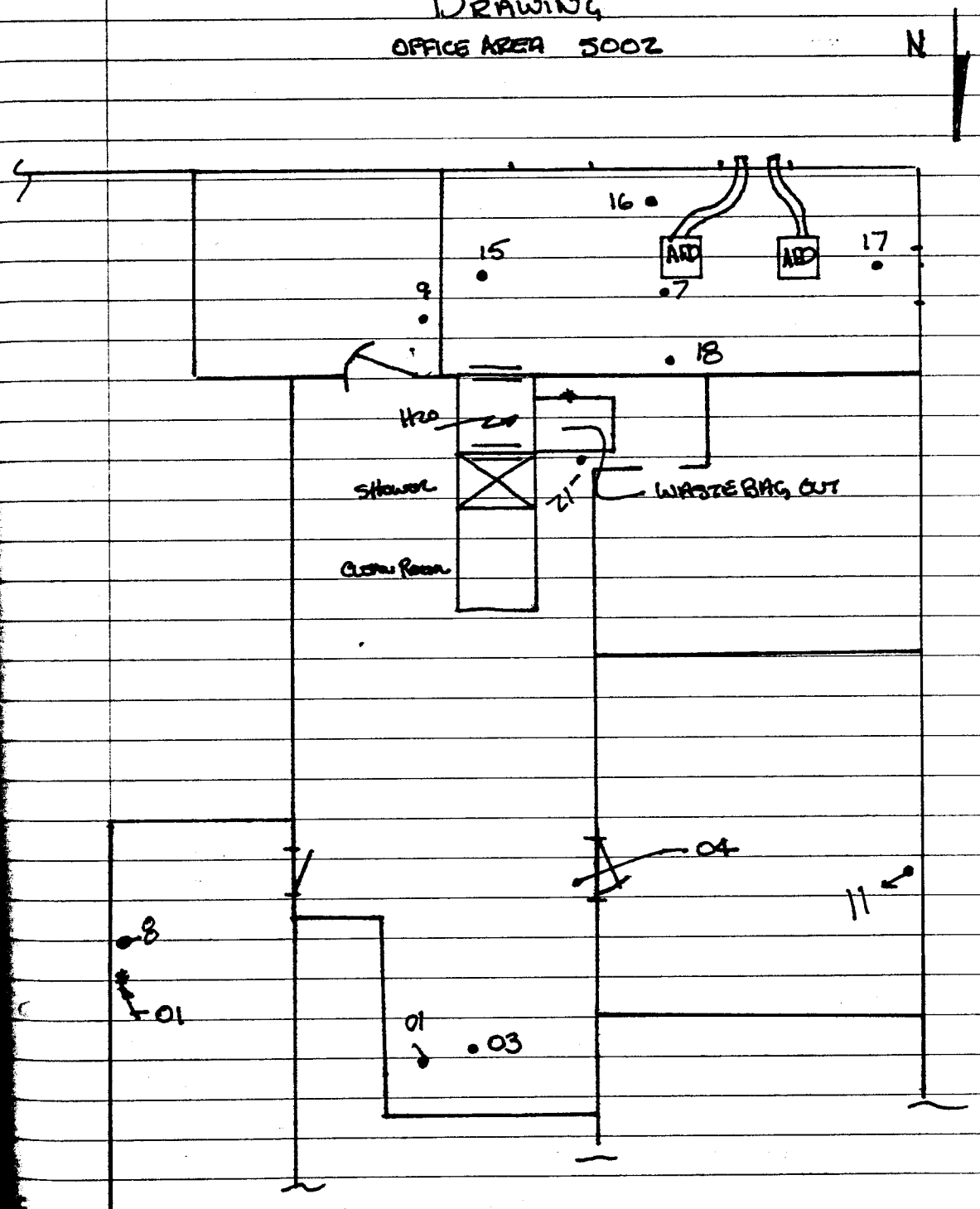
TABLE OF CONTENTS

SCOPE OF WORK

TO SETUP ENCLOSURE IN ROOM SUITE 5002
REMOVE CEILING TILE - SEAL UP TO DECK ABOVE
CLEAN AREA - LOCK DOWN - ENCAPSULATE SPRAY ON ACM
IF HOLD FINAL OUT.
IF TEST FAILS - AREA TO BE ABATED & CLEANED

DRAWING

OFFICE AREA 5002



DAILY LOG

SUPERVISOR RUSSELL
HYGIENIST CHARLES WILES
ABATEMENT WILLIAM BALTZ

FRIDAY
FEBRUARY 14, 1992

2:50 STOPPED BY TRACOR OFFICE PICKED UP NOTEBOOK
3:25 PARKED IN FRONT OF BLDG NEOB
3:30 MADE CONTACT WITH GUARD - CALLED GSA MR HAMON FOR ESCORT
3:50 MIKE BROWER ON SITE PARKED BEHIND MY TRUCK ON 17th STREET
4:00 HAD TO MOVE TRUCK TO LOADING DOCK - NO ESCORT YET
4:10 ESCORTS ON SITE C. WILES ESCORT FLOYD PRICE, MIKE BROWER ESCORT MR BROWER
4:15 SIGNED IN & EQUIPMENT CHECKED IN PROGRESS
4:30 C. WILES AT 5002
4:37 FIRST PUMP SET IN HALL
4:43 SOUTH END OF 5002
4:45 NORTH END OF 5002
5:25 PUMPS RUNNING NO ABATEMENT COMPANY ON SITE
6:17 CONTRACTORS IH. ON SITE
TESTWELL CRAIG LABORATORIES
11931 TECH Rd
SILVER SPRINGS MD 20904
301-622-7100 FAX 301-622-5636
IBE OKONKWO
ERIC WILCOX 410-326-6855 PHONE
6:30 LVI ON SITE BUT NO TRUCK WITH EQUIPMENT
JOSEPH A CATELLANO FROM HALLIBURTON NUS, ENVIRONMENTAL CORPORATION ON SITE.
910 CLOPPER ROAD
GAITHERSBURG MARYLAND 20878 - 301-258-6099
8:00 LVI TRUCK ON SITE - AT LOADING DOCK
8:15 K9 DOG INSPECTED CONTENTS OF TRUCK.

DAILY LOG

SUPERVISOR RUSSELL — FRIDAY

HYGIENIST CHARLES WILES — FEBRUARY 14, 1992

ABATEMENT WILLIAM BALTZ V.P

9:00 LVI BEGAN MOVING EQUIPMENT INTO AREA

9:10 BOB REEVER ON SITE. P.O.C FOR FACILITY - PROJECT

9:12 LVI REMOVING DOOR OF AREA

MICROTRAP WILL BE EXHAUSTED OUT OF BUILDING SOUTH WEST WINDOW

LVI MEN ON SITE

GARY SCHOLZE - 184-56-6372 AMA EXPIRES JAN 93

RUBEN CASTILLO 220-27-8525 SEAGULL EXPIRES 24 JUNE 92

ISIDRO HERNANDEZ 219-19-1494 SEAGULL EXPIRES 24 JUNE 92

V.P. * WILLIAM BALTZ 340-48-3704 GEORGIA TECH TAKEN JUNE 24/1991

9:25 LVI PLYWOOD FLOORS

9:45 GREG PAULAY - 103-60-3397 FROM TEST WELL CRAIG ON SITE

9:45 LVI LAYING POLY FLOORS & WALLS

10:45 LVI LAYING POLY ON FLOOR FOR DECON

12:25 GARY SETTING UP DECON

12:00 2 WORKER BROKE FOR LUNCH LVI

2:00 LVI CONTINUING TO SET UP ENCLOSURE DECON

2:15-3:00 C. WILES MOUNTED & READ SLIDES

SAMPLE	PUMP	VOL	f/cc
01	90-5	100	<.005
2	90-4	940	<.005
3	60	920	<.005
4	60	1220	<.006
5	BLANK	0 fiber per 100 fields	
6			

3:30 SPOKE WITH BILL BALTZ - LVI IS NOT GOING TO REMOVE CURTAINS AS I REQUESTED. HE SAID IF THEY CONTAMINATE CURTAINS THEY LVI WOULD BY NEW ONES

Daily Log

Supervisor Russel — Saturday
Hygienist Charles Wiles — Feb 15, 1992
Abatement Supervisor William Baltz V.P

4:30 Gary & Bill Hanging Criticals in Window Whole
Microtraps Exhaust out of.
Reuben & Isidro Working on Poly in Decon Area

5:30 LVI Hooking up Manometer, Hoses & Last Touches
Eric Wilcox IH on site

5:50 John Golombieski on site in 500z

6:00 C. Wiles Updated Paperwork & Review with John Golombieski (7)

6:30 C. Wiles Offsite

0630 Workers arrived on site and began to prepare to go into the containment remove the ceiling tile and then finish the poly up the walls.

0655 I started running my inside area pump & will now prepare to set up my 5 outside area pumps.

0700 Crew for LVI begin entering the containment.
Crew Misael Campos - 204 74 9618 - Exp 2-26-92
Ceferino Gutierrez - 213 29 1348 - 2-25-92
Gary Scholze - 184 56 5372 - Const. Manager
Victor Montoya - 578 15 9110 - Certified
Jose Cannoles - - Certified

0715 3 ceiling tiles pulled and negative air dropped from .04 to .002 the negative air should go back up once the poly is put up all the way to the ceiling.

0730 All 5 area samples set up and are now collecting air.

Sup B Baltz
Hyg S Golombieski

Day Saturday
Date 2-15-92

Note	Sample #	l	vol	f/cc	Location
	7	2.5	1025	.016	I/C
E-5002 Hallway	8	2.5	1425	<.003	
SE Cont. 5002	9	2.5	1425	.004	
N Cont. 5002	10	2.5	1425	.004	
NW Cont 5002	11	2.5	1425	.004	
Ext Bag out	12	2.5	1425	<.003	

0810 I went down to move my car into the loading dock area. The men in the containment are cutting 2x4's to stand above the ceiling to be able to finish the critical barriers along the walls all the way up to the ceiling. I ran into M. Brower who is working in the Penthouse down in the main lobby.

*Note I would like to make a note stating the Rm 5002 surrounding the containment is a carpeted area. It seems to be a newly carpeted area also and it may stir up some fibers in my area samples since a lot of people are walking around. Also my sample being collected within the containment will probably be overloaded due to the crew cutting 2x4's with in the containment and creating a lot of saw dust.

0905 Men working on stating up walls to seal off the rest of the containment

1000 There is about 35 linear ft of poly left to seal and then the containment will be complete.

Sup B Baltz
Hyg J Golombieski

Date 2-15-92
Day Saturday

1100 Guys still trying to finish up the walls to get the negative air pressure up to < .03.

1200 Guys showering out of the containment to take a 1 hour lunch break. The containment is complete when they come back from lunch they want me to give a visual on the containment. The negative air is now pulling .033 so there is now adequate negative air pressure. Since everyone had to clear out of Room 5002 I got escorted up to the penthouse to see how M. Browne's job was running.

1300 Back from lunch the crew says about 1 more hour of work before the visual.

1330 The Crew Is bagging up the ceiling tile that was removed & thrown onto the floor instead of being put into bags directly. There are only three workers within the containment now. Misael Campos never returned after lunch he had to go to another job. They are also bagging up air supply ducts that are attached to the lighting system & leaving them hang from the ceiling. They are using an airless sprayer to spray water throughout the containment. Chunks of spray-on ACM are falling to the ground from sitting on top of cieling tile.

Sup B Baltz
Hyg J Golombreski

Date 2-15-92
Day Saturday

1345 I called Gwen Russell at both work + home. I got in touch w/ her husband. I just called to give her a progress report I will try again around 1700 hrs. Right now work is progressing slowly but surely.

1420 Workers are almost ready for visual. They have about 5 more lights to cover with poly. When they are finished Chris Toussaint from Test Well Craig (IH). I am to just conduct a visual while he is to conduct a visual as well as an adhesion/cohesion test. This test involves hooking up 2 caps to the spray-on filled with a polyurethane foam. Wait for 1 hr, and the pressure test the caps by pulling them down with a scale to determine at what poundage (lb) the spray on will pull. He will do this test in one corner of the room while CUI encapsulates approximately 30 sq ft of spray-on to see what happens also.

1500 I am getting ready to enter the containment along with Chris T.

1515 Actual entry into containment

1600 I exited the containment and showered out.

1700 2 men are still in the containment encapsulating and 1 man showered out of the containment. Cohesion test on the beam - fell with the weight of the scale. Adhesion test on the deck fell

MSDS - Encap Methylene Chloride - Copy Files

Delamination

Vibration Tests / Integrity of

Encap Reduces Effected

1. Integrity Test
2. Vibration Control Test
3. Replace Fireproofing

Not all Encap Compatible w/ All Types of Replacement Fireproofing

Composition - Spray-ON

↳ Cementitious High Calcium Will Delaminate + Fall Eventually

Sup B Baltz
Hyg J Gdanbreski

Date 2-15-92
Day Saturday

1700 fell with 1 pound of pressure from the scale.
1715 Call Gwen Russell + talked with her about
The situation Note: 0030 Am All Supervision from
LUI except for workers left. One of the
workers was considered a supervisor. Off phone
with Gwen Russell at 17:45.
1745 Talked with Joe Castellani from ~~UDS~~ NUS + explained
things to him ⇐. ↳ (301) 258-6099
Began Reading slides
1830 Finished Reading slides Check arrived.

DAILY LOG

SUPERVISOR RUSSELL

HYGIENIST C. WILES

ABATEMENT FOREMAN GARY SCHOLZE

SAT

FEBRUARY 15, 1992

0445PM C. WILES LEFT HOME RESIDENCE

6:00 C. WILES ON SITE CHECK IN

6:30 C. WILES & WORKING CREW ON SITE ROOM 5002

CALLED GWEN AT OFFICE & GAVE HER UPDATE

AREA NEEDS FLOOR CLEANED FROM BLOW OFF FROM ORIGINAL SPRAYING

7:00 LV 1 CREW INSIDE EXCEPT GARY

ON SITE GARY SCHOLZE ~~SEE FRT~~ SUPERVISOR 184-56-5372 AMA EXP. JAN 93

PAIL BRENTLINGER SUPERVISOR 168-62-8263 AMA EXP JAN 93

RUBEN CASTILLO 220-27-8525 SEAGULL EXP JUNE 92

ISIDRO HERNANDEZ 219-19-1494 SEAGULL EX JUNE 92

7:30 LV1 CLEAN UP FLOOR & EQUIPMENT INSIDE THE LIGHT SPRAY ON FLAT SURFACES PRIOR TO FINAL AIR

8:00 ~~CALL BEAT~~ CALIBRATED PUMP

9:30 ERIC & C. WILES ENTERED AREA PERFORMED A VISUAL INSPECTION OF THE AREA.

THE FLOOR AND POLY WALLS HAD NO VISUAL ACM AFTER LV1 & OURSELVES REMOVE 1 LAYER ON THE FLOORS. ALTHOUGH THERE IS NO VISUAL ACM ON FLOOR & WALLS THE ASBESTOS FIREPROOFING SPRAYER STILL EXIST AND VISUALLY ~~DEMAINS~~ APPEARS FRIABLE. AT THE TIME OF EXITING THE CONTAINMENT (10:35) NO ACM HAS DELAMINATED BUT I BELIEVE OVER A PERIOD OF TIME THIS MATERIAL MAY DROP.

10:23

SET PUMPS	ON	OFF	VOL	f/cc
15	10:23	1145	2020	<.002
16	↓	↓	↓	<.002
17				<.002
18				<.002
19 BLANK				

0 FIBER 100 SHOWN

DAILY LOG

SUPERVISOR RUSSELL
HYGIENIST C. WILES
ABATEMENT FOREMAN

SUNDAY
FEB 16, 1992

1:10 UPDATING PAPERWORK PHIL BRENTLINGER
1:40 FOUND BUCKET OF ENCAP
FIBERLOCK TECHNOLOGIES IC
FIBERSEAL PM PREMIXED
POST-REMOVAL
SURFACE SEALANT
A LOCKDOWN PRIMER FOR FIRE RESISTIVE OVERCOATS
7475 CLEAR
1:45 PULLED SAMPLES
2:15 GAVE REPORT TO PHIL
2:30 PACKING UP
2:50 OFF SITE

DAILY LOG

SUPERVISOR RUSSELL — FRIDAY
HYGIENIST C. WILES — FEB 21, 1992
ABATEMENT FOREMAN

4:15 C. WILES ON SITE AT LOADING DOCK SS SERVICE CHECKING MY CLEARANCES
4:30 CALLED GSA FOR ESCORT - GSA NOT ABLE TO SUPPLY ESCORT TILL AFTER FIVE O'CLOCK
5:00 MET WITH MR GRAGE - (ESCORT) AND SIGNED INTO BUILDING FRONT DESK
5:15 SECRET SERVICE INSPECTED MY TRUCK & EQUIPMENT
5:30 FINISHING UP ON 5TH FLOOR
5:40 SS UNLOCK DOOR TO AREA - SETUP 2 LOW VOL PUMPS - NO ACM TO BE DISTURBED

SAMPLE	PUMP	ON	OFF	VOL	f/cc
21	K	5:48			
22	L	5:51			

6:00 ESCORT TOOK ME BACK TO LOBBY FOR ABATEMENT CO
6:30 LVI MEN ON SITE WAITING FOR JOE CATELLANO
6:30 POTOMAC ABATEMENT ON SITE
7:00 POTOMAC ABATEMENT BEGAN CHECKING IN
7:10 LVI BEGAN CHECKING IN
ESCORTS A PREMIUM - WE HAVE NOW 3 1 PER CREW
ABATEMENT CO & I HAVE ONE
7:30 GSA POLLED ESCORTS ONLY 1 AVAILABLE
POTOMAC ABATEMENT WILL NOT WORK TONIGHT -
NO SCAFFOLDING ON SITE FOR GLOVE BAG JOB
AND WITH NO ESCORTS JOB WAS CANCEL
8:00 LVI ESCORTED BACK TO LOADING DOCK TO PICK UP SUPPLIES
C. WILES CALLED GWEN & GAVE UPDATE
BOB REPORT ON SITE FOR ESCORT PROBLEM
8:30 LVI HOOKED UP MICRO TRAP
9:15-9:30 LVI HYGIENIST CHRIS TOUSSAINT
SETTING CAN LIDS FOR COHESION ADHESION TEST

Daily Log

Hygienist C.Wiles
Supervisor Russell
Abatement Foreman

FRIDAY - SATURDAY
~~SATURDAY~~
~~Feb 21, 1992~~
Feb 22, 1992

9:30 C.Wiles Went With Bob Reeves to Penthouse To Look At Duct Insulation - Discussed Ways to Abate Area

10:30 C.Wiles & Chris Toussaint Entered Area Ceiling Tiles Being Put Back in Middle Area

Testwell Crew Performing Cohesion Adhesion Testing C.Wiles

11:15 Entered Filmed Process - Core Bore Samples Taken

I Took 1 Bulk Foreman

LVI Continuing To Have Ceiling Tile

12:00 Bob Reeves & Joe Castellano Offsite

1:00 Neg Air :0

LVI Removing Criticals Above Ceiling & Bagging Up

LVI SCOPE OF WORK

1. Begin Installing Ceiling Tile After Lights and Duct Have Been Uncovered & Reconnected
2. Perform Test on Fire Proofing
3. Remove Critical Barrier Without Disturbing ACM
4. Replace Ceiling Tile
5. Clean Area Beneath Ceiling Tile
6. Inspect.
7. Lock Down
8. Run Final Air 1 Sample 1200 Liters Final Out
9. Remove Containment
10. Off Site

2:30 LVI Wetwiping Floors & Walls

2:31 Calibrated Pump 10 l Run 2 Samples @ 1200 l Each Area Testwell Crew Run 2 Samples @ 1200 l Each

No Abatement Activities Performed

Daily Log

Supervisor Russell — Saturday
Hygienist C. Wiles — Feb 22, 1992
Abatement Foreman

:10 C. Wiles & IBE Okonkwo enter Area for inspection
Light dust on walls C. Wiles, IBE, & LVI wet wipe walls & floor. Approx 12-2x4 cut into ceiling tile - material that had to remain
:58 LVI encapsulated Area
:35 Area 95% Dry.
:48 Began set up pumps
I ran 2 samples in Area when instructor to run I and approval of 1200 l by Miriam Nuckols
LVI Hygienist ran 2 sample also

:24 Turn samples on

Sample	Pump	On	Off	Mean	Vol	S/cc
23	95	3:24	5:24	10	1200	0.004
24	90-5	3:24	5:24	10	1200	0.004
25	Blank	0 Fiber per 100 field				
26						

Foreman Ceferino Gutierrez 213-29-1348
Isidro Hernandez 219-19-1494
Victor Montoya 578-15-9110

:45 Began mounting daily - LVI on breaks
:10 Began updates paperwork & writing report
:50 Joe back on site
:29 Shut off pumps
:40 Mounted slides
:55 Cleared Area told Joe & moved pumps out of Area
:10 Packing up
:20 Offsite

99-131
G.S. - WPVG
8/16/99 - DC0105 zz
CC: WPW

WEB ENVIRONMENTAL GROUP

INDUSTRIAL HYGIENE SERVICES

February 24, 1999

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

Re: NEOB - Command Control Center

Dear Ms. Eleazer:

Enclosed you will find the laboratory results for the background, personal, area and final clearance samples collected on January 14, 15 and 16, 1999, along with the "Release of Claims" form, at the New Executive Office Building, Command Control Center, located at 725 17th Street, N. W., Washington, D.C.

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

If you have any questions regarding this report, please feel free to contact your industrial hygienist, Mr. Tijan N'jie, at (301) 599-7959.

Sincerely,

Cynthia E. Anderson

CYNTHIA E. ANDERSON
Industrial Hygiene Division

9440 PENNSYLVANIA AVENUE • SUITE 305 • UPPER MARLBORO, MD 20772 • 301/599-7959 • FAX 301/599-7958
2120 L STREET, N.W. • SUITE 210 • WASHINGTON, D.C. 20037 • 202/452-9862 • FAX 301/599-7958

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME NEOB - Command Control Center **PROJECT#** 990039 ACT # P57012863

INDUSTRIAL HYGIENIST Eric Butler **DATE** 01/14/99

ABATEMENT CONTRACTOR E. S. I.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Background	760	12	1515	1615	<0.01 f/cc

LOCATION: **Command Control Center**

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

LOCATION:

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

LOCATION:

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

LOCATION:

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

LOCATION:

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

WEB ENVIRONMENTAL GROUP

Date 1-14-99
Job No.
Job Name NEOB, Command Center
Page ____ of ____

DAILY LOG SHEET

Time	Remarks
1300	Arrive at NEOB, meet Kerry Bowes in Lobby.
1515	I begin background sample in command center prior to asbestos crew removing sprayed on ceiling insulation.
1615	I end background sample

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building, Project: 990039 ACT# P570122863

Location: Command Control Center Date: 01/14/99

Removal Contractor: E.S.I. Time Inspected: 1515

Monitoring Contractor: WEB Environmental Group Time work started: N/A

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

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

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

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Eric Butler Date: 01/14/99

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME NEOB - Command Control Center **PROJECT#** 990039 ACT P57012863

INDUSTRIAL HYGIENIST Eric Butler **DATE** 01/15/99

ABATEMENT CONTRACTOR E. S. I.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Ambient	760	2.5	2015	0430	<0.01 f/cc

LOCATION: **Command Control Center - Monitor Screens**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Inside	500	2.5	2020	0420	<0.01 f/cc

LOCATION: **Ceiling Area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Personal	50	2.5	2200	0420	<0.01 f/cc

LOCATION: **Renee**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Ourtside	660	2.5	2030	0430	<0.01 f/cc

LOCATION: **Command Control Center**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	AFD	92	2.5	2210	0425	<0.01 f/cc

LOCATION: **Exhaust**

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

WEB ENVIRONMENTAL GROUP

Date 1-15-99
Job No.
Job Name NEOB 17th & Penn
Page ____ of ____

Time	Remarks DAILY LOG SHEET
2000	Asbestos Crew continues prepping area above
	the Command Center.
2100	Electricians come in to remove lights.
2130	Crew takes short break.
2200	Crew enters containment and begins
	scraping ceiling material.
	Samples are still running.
2300	Crew continues scraping.
2400	Debris is being placed in bags.
0200	Bags are being removed from containment
0300	Bags are still being removed from containment.
	While ceiling is being scraped.
0430	Crew exits containment, prepare to leave
	site. They will return at approx.
	1200 hours and begin fine cleaning.

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building, Project: 990039 ACT# P570122863

Location: Command Control Center Date: 01/15/99

Removal Contractor: E.S.I. Time Inspected: 2000

Monitoring Contractor: WEB Environmental Group Time work started: 2010

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

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

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

Field Notes:

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

_____

_____

_____

_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Eric Butler Date: 01/15/99

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project No 990039 ACT# P57012863

Location: Command Control Center Date: 01/15/99

Removal Contractor: E. S. I. Time started: 2000

Monitoring Contractor: WEB Environmental Group Time Stopped: 0430

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	YES	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (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	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp ____ HEPA_YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Eric Butler Date: 01/15/99

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME NEOB - Command Control Center **PROJECT#** 990039 ACT P57012863

INDUSTRIAL HYGIENIST Tijan N'jie **DATE** 01/16/99

ABATEMENT CONTRACTOR E. S. I.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Inside	452	2.5	1250	1740	<0.01 f/cc

LOCATION: **Inside North Wall**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Inside	720	2.5	1250	1740	<0.01 f/cc

LOCATION: **Inside South Wall**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Outside	52	2.5	1255	1745	<0.01 f/cc

LOCATION: **Control Room**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Outside	90	2.5	1255	1740	<0.01 f/cc

LOCATION: **Supply Room - Conference**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Outside	54	2.5	1255	1740	<0.01 f/cc

LOCATION: **Decon Room - Office**

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

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#**990039/ACT# P57012863

INDUSTRIAL HYGIENIST T'jan N'jie **DATE** 01/16/99

ABATEMENT CONTRACTOR E. S. I.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Outside	786	2.5	1255	1740	<0.01 f/cc

LOCATION: **AFD Exhaust**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Final	52	12	1905	2005	<0.01 f/cc

LOCATION: **Inside North Wall**

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

LOCATION:

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

LOCATION:

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

LOCATION:

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

WEB ENVIRONMENTAL GROUP

Date 1, 16, 99
Job No.
Job Name New Executive Bldg
Page 1 of 2

Time	Remarks DAILY LOG SHEET
	Elio Ivan Meza
	Jose Velasquez
	~~Gregorio Solorzano~~
	Gregorio Juarez
	Hector Solorzano
	Nelson Barrientos
	Jose R Guevora
12 00	Accounted for all workers, went about setting four outside air monitoring pumps and two pumps on interior work area. Project supervisor Mr Jose Guevora + I, checked intergrity of containment and okay was given to proceed with abatement. Mr Hector Solarzano given personal monitoring pump.
13.15	Suited up went into containment to observe work practices, which I found out were being ahered to, ACM was bagged promptly, constant misting with airless sprayer
14 [illegible]	[illegible] crew was about ready to ~~start~~ bagging out. All bags, ~~to~~ double bagged goose necked and removed to dumpster.
15 50	Suited up went back into containment, crew was in final stages of fine cleaning substrate and horizontal surfaces with plastic brushes, scrubber and towels.
17.10	Accompanied by supervisor Guevora, I did final inspection of containment, substrate and horizontal surfaces found devoid of debris or dust, upon completion of inspection, couple area re-wiped, okay

WEB ENVIRONMENTAL GROUP

Date 1/16/99
Job No.
Job Name New Executive bldg
Page 2 of 2

Time	Remarks DAILY LOG SHEET
	to encapsulate entire containment area, i.e. all vertical, horizontal and air space within abatement area. All non-electrical equipment washed well with soapy water, rinsed, and sealed in plastic bags and removed to truck.
1900	After 2hr wait for encapsulant to dry, I started final air sample. Abatement started taking excess materials and supplies back out to company truck.
2000	All materials and equipment removed from work areas and out of building. Clean sheet of poly spread over carpet, so as to protect carpeted rooms from being soiled or damaged by following trades. Waste water from decon shower filtered and disposed off.
2015	Kerry Ponds stopped by, and was given status report of project expressed satisfaction of progress.

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project No 990039 ACT# P57012863

Location: Command Control Center Date: 01/16/99

Removal Contractor: E. S. I. Time started: 1200

Monitoring Contractor: WEB Environmental Group Time Stopped: 2015

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (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	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp ____ HEPA_YES__ Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Tijan N'jie Date: 01/16/99

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building Project: 990039/ACT # P57012863

Location: Command Control Center Date:: 01/16/99

Removal Contractor: E. S. I. Time Inspected: 1710

Monitoring Contractor: WEB Environmental Group Time Completed: 2030

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

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

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

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

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

FINAL AIR SAMPLING:

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

Sample Number:	07			
Location:	North Wall			
Volume (Liters):	720			
Flow rate: (Liters/Minute)	12			
Fibers/Filter:	3/100			
Fibers/Cubic Cm:	0.002			

ANALYSTS ANALYZING SAMPLING: Tijan Nijen DATE: 01/16/99

Field Notes:

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

REPORT PREPARED BY: Tijan N'jie **DATE:** 01/16/99

REPORT REVIEWED BY: **Eric Butler** **DATE:** **01/16/99**

99-130
GS-WPYG
8/16/99 DC0105ZZ
CC: WPW

WEB ENVIRONMENTAL GROUP

INDUSTRIAL HYGIENE SERVICES

RECEIVED
GSA/WPR
MAR 1 4 27 PM '99
SAFETY & ENVIRONMENT BRANCH

February 22, 1999

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

Re: NEOB - 725 17th Street N. W. Washington, D. C.

Dear Ms. Eleazer:

Enclosed you will find the laboratory results for the backgrounds, personals, air and final clearance samples collected on January 19, 20, 21, 22, 23, and 24, 1999 at the New Executive Office Building, located at 725 17th Street, N. W., Washington, D.C.

Since this is an on going project, enclosed is an invoice for partial payment.

If you have any questions regarding this report, please contact your industrail hygienist, Mr. Tijan N'jie at (301) 599-7959.

Sincerely,

Cynthia E. Anderson

CYNTHIA E. ANDERSON
Industrial Hygiene Division

9440 PENNSYLVANIA AVENUE • SUITE 305 • UPPER MARLBORO, MD 20772 • 301/599-7959 • FAX 301/599-7958
2120 L STREET, N.W. • SUITE 210 • WASHINGTON, D.C. 20037 • 202/452-9862 • FAX 301/599-7958

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#** 990037/ACT# P72693157

INDUSTRIAL HYGIENIST Eric Butler **DATE** 01/19/99

ABATEMENT CONTRACTOR T & P Engineers

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Background	760	12	1530	1630	see attach

LOCATION: **Tenth Floor Elevator Lobby**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Background	500	12	1535	1635	see attach

LOCATION: **Ninth Floor Elevator Lobby**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Background	760	12	1640	1740	see attach

LOCATION: **Eighth Floor Elevator Lobby**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Background	500	12	1645	1745	see attach

LOCATION: **Seventh Floor Elevator Lobby**

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

LOCATION:

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

WEB ENVIRONMENTAL GROUP

Date 1-19-99
Job No.
Job Name NEOB Elevator Lobby
Page ____ of ____

Time	Remarks DAILY LOG SHEET
1515	I meet with Ron Dickey at the NEOB. We discuss job particulars and I calibrate my pumps
1530	I begin background samples on the 10th and 9th Elevator Lobbies.
1640	I proceed to the 8 and 7th floor Elevator Lobbies where I continue background samples.
	T&P Engineering, lead contractor, will arrive the following day and begin removing lead

EXHIBIT A

GSA LEAD ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building Project: 990037/ACT#P72693157

Location: Floors 10 - B - 2 Elevator Lobby Date: 01/20/99

Removal Contractor: T & P Engineering Company, Inc. Time Inspected: 2300

Monitoring Contractor: WEB Environmental Group Time work started: N/A

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

GSA LEAD ABATEMENT START -UP CHECKLIST (BACK)

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

Field Notes:

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

_____
_____
_____
_____

GSA LEAD ABATEMENT MONITORING CHECKLIST

Report Prepared By: T'ijan N'jie Date: 01/20/99

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Air Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

EPA Method SW-846, 7420

Report Number **990218028**

Account Number:	**11-0212**	**Date Collected:**	11999
Client Name:	Web Environmental	**Date Received:**	21899
Address:	9440 Pennsylvania Ave.	**Date Analyzed:**	21999
	Upper Marlboro MD 20772	**Date Reported:**	21999
Project:	NEOB Elevator Lobby		

METS Sample	Client Sample ID/ Location	Air Total Pb ug	Volume	Pb ug/m 3
990218028-001	1 Background 10th Floor Elev. Lobby	< 1.0	720	< 1.388
990218028-002	2 Background 9th Floor	< 1.0	720	< 1.388
990218028-003	3 Background 8th Floor	< 1.0	720	< 1.388
990218028-004	4 Background 7th Floor	< 1.0	720	< 1.388

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
Method Detection Limit MDL) For Total Lead Is 1.0 ug. (<) Indicates Less Than (MDL).

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#**990037/ACT# P72693157

INDUSTRIAL HYGIENIST T'jan N'jie **DATE** 01/20/99

ABATEMENT CONTRACTOR T & P Engineers

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Background	900	12	1830	1915	see attach

LOCATION: **Sixth Floor Elevator Lobby**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Background	505	12	1920	2015	see attach

LOCATION: **Fifth Floor Elevator Lobby**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Background	900	12	2020	2110	see attach

LOCATION: **Fourth Floor Elevator Lobby**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Background	505	12	2115	2230	see attach

LOCATION: **Third Floor Elevator Lobby**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Background	900	12	2245	2440	see attach

LOCATION: **Level B-1 Elevatory Lobby**

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

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Buiding **PROJECT#** 990037/ACT P72693157

INDUSTRIAL HYGIENIST T'jan N'jie **DATE** 01/20/99

ABATEMENT CONTRACTOR T & P Engineers

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Background	505	12	2239	2348	see attach

LOCATION: **Level B-2 Elveator Lobby**

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

LOCATION:

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

LOCATION:

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

LOCATION:

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

LOCATION:

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

WEB ENVIRONMENTAL GROUP

Date 1 20 99
Job No.
Job Name New executive bldg
Page ____ of ____

Time	Remarks DAILY LOG SHEET
	JEFF MASONE / 001-50-3021
	Mike Chicka 199-46-6520
17:00	Crew set-up on 10th fl elevator casing, and started applying peel-away compound. Started work pumps on the 10th + 9th floors
19:45	Application of compound on elevator jams, got their equipment to gether and moved down to 9th floor, again laid out 6 mil poly sheeting and began applying peel-away.
20:00	Peel-away application and covered with paper crew cleaned work area of all visible debris, packed up their equipment and proceeded to 8th floor, elevator #6 cross jams. Again 6 mil poly way spread on work area floor and peel-away application began.
21:30	Application complete on 8th floor elevator 6 crew cleans up work area and moves their equipment on 7th floor elevator 6. Changed cassettes on work pumps and started them up. Worker applying the peel-away paint removal compound in the most professional manner, properly covering paste applied with approved paper and cleaning thoroughly at every location.
22:30	Elevator jam on 7th floor, peel-away paste covered with prescribed paper, floor area cleaned and crew moves on down to 6th floor elevator 6 jams to again apply peel-away compound. Cassettes changed and pumps started
23:15	Peel-away application completed on elevator jam on 6th floor, crew cleans up pumps are stopped and put away. Improved work will begin at 17:30 on Thursday.

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Air Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

EPA Method SW-846, 7420

Report Number 990218028

Account Number: 11-0212
Client Name: Web Environmental
Address: 9440 Pennsylvania Ave.
Upper Marlboro MD 20772

Project: NEOB Elevator Lobby

Date Collected: 12099
Date Received: 21899
Date Analyzed: 21999
Date Reported: 21999

METS Sample	Client Sample ID/ Location	Air Total Pb ug	Volume	Pb ug/m 3
990218028-005	1 Background 6th Floor	< 1.0	720	< 1.388
990218028-006	2 Background 5th Floor	< 1.0	720	< 1.388
990218028-007	3 Background 4th Floor	< 1.0	720	< 1.388
990218028-008	4 Background 3rd Floor	< 1.0	900	< 1.111
990218028-009	5 Background Level B-1	< 1.0	900	< 1.111
990218028-010	6 Background Level B-2	< 1.0	900	< 1.111

M. McGrath

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
Method Detection Limit MDL) For Total Lead Is 1.0 ug. (<) Indicates Less Than (MDL).

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#** 990037/ACT# P72693157

INDUSTRIAL HYGIENIST T'Jan N'jie **DATE** 01/21/99

ABATEMENT CONTRACTOR T & P Engineers

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Outside	900	2.5	1848	1949	see attach

LOCATION: **Elevator No: 6 - Tenth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Personal	92	2.5	1848	1948	see attach

LOCATION: **Jeff Masone - Elevator No: 6 - Tenth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Outside	900	2.5	2010	2110	see attach

LOCATION: **Elevator No: 6 - Ninth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Personal	92	2.5	2010	2110	see attach

LOCATION: **Jeff Masone - Elevator No: 6 - Ninth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Outside	900	2.5	2120	2205	see attach

LOCATION: **Elevator No: 6 - Eighth Floor**

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

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#**990037/ACT# P72693157

INDUSTRIAL HYGIENIST T'jan N'jie **DATE** 01/21/99

ABATEMENT CONTRACTOR T & P Engineers

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Personal	92	2.5	2120	2105	see attach

LOCATION: **Jeff Masone - Elevator No: 6 - Eighth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Outside	900	2.5	2210	2320	see attach

LOCATION: **Elevator No: 6 - Seventh Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
08	Personal	92	2.5	2210	2320	see attach

LOCATION: **Jeff Masone - Elevator No: 6 - Seventh Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
09	Background	900	2.5	2330	0035	see attach

LOCATION: **Elevator No: 6 - Sixth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
10	Personal	92	2.5	2330	0035	see attach

LOCATION: **Jeff Masone - Elevator No: 6 - Sixth Floor**

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

WEB ENVIRONMENTAL GROUP

Date 1 21 99
Job No.
Job Name New Executive Bldg
Page 1 of

Time	Remarks DAILY LOG SHEET
	Daniel Wilcox 159-46-9318
	Jeff Masone [illegible]
	Mike Maldonado [illegible]
18 30	Mike gets his equipment, heads down to 5th floor to start applying peel-away compound to elevator jam of unit 6. Jeff meanwhile starts abatement on 10th floor. Pumps started.
19 49	Abatement complete on 10th floor, remove & label cassettes, moved down to 9th floor with Jeff.
20 00	Jeff starts abatement on elevator jam, of unit 6 on 9th floor, Application of peel-away complete on 5th floor, Mike cover paste with prescribed paper and taping seams.
21 10	Jeff completes abatement on 9th floor, cleans-up and moved with equipment down to 5th floor. Pumps again changed and restarted. Mike on 4th floor applying peel-away compound to elevator jam of unit 6.
21 20	Jeff moves down to 5th floor, sets-up, and proceeds with abatement. Changed cassettes on pumps. Works on all phases of the abatement proceeding admirable and abatement protocols followed.
22 05	Abatement complete, area properly cleaned up equipment gathered and moves to 7th floor. Cassettes changed, and pumps restarted, went down to 4th floor where Mike & was done with application and was covering compound with paper and taping seams.
23 10	Jeff begins abatement on 6th floor, pumps changed and restarted. Mike done with application and covering on 3rd floor and moves down to floor 6th. On 6th floor abatement proceeding well, gross off and about to begin fine cleaning.

WEB ENVIRONMENTAL GROUP

Date 1/21/99
Job No.
Job Name New Executive Bldg
Page ____ of ____

Time	Remarks DAILY LOG SHEET
00:30	All scheduled abatement complete, with help of Mr Wilcox application almost done on B2, elevator farm of unit 6.
6:30	~~[illegible]~~ All work complete, crew finish cleaning all work areas of the night.

EXHIBIT B
GSA LEAD ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: 990037/ACT# P72693157

Location: Elevator 6 - Floors 10, 9, 8, 7 & 6 Date: 01/21/99

Removal Contractor: T & P Engineering Company, Inc. Time started: 1830

Monitoring Contractor: WEB Environmental Group Time Stopped: 0130

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

GSA LEAD ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators (half face)	Disp ____ HEPA_YES Paper_____ TYPE "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. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA LEAD ABATEMENT MONITORING CHECKLIST

Report Prepared By: Tijan T'jie Date: 01/21/99

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Air Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

EPA Method SW-846, 7420

Report Number 990218026

Account Number: 11-0212
Client Name: Web Environmental
Address: 9440 Pennsylvania Ave.
Upper Marlboro MD 20772

Project: NEOB Elevator 6

Date Collected: 12199
Date Received: 21899
Date Analyzed: 21899
Date Reported: 22299

METS Sample	Client Sample ID/ Location	Air Total Pb ug	Volume	Pb ug/m 3
990218026-001	1 Elev 6 - 10th Floor Outside	< 1.0	152.5	< 6.557
990218026-002	2 Elev 6 - 10th Floor Jeff - Personal	< 1.0	152.5	< 6.557
990218026-003	3 Elev 6 - 9th Floor Outside	< 1.0	150	< 6.666
990218026-004	4 Elev 6 9th Floor Personal - Jeff	< 1.0	150	< 6.666
990218026-005	5 Elev 6 8th Floor Outside	< 1.0	112.5	< 8.888
990218026-006	6 Elev 6 8th Floor Personal - Jeff	< 1.0	112.5	< 8.888
990218026-007	7 Elev 6 - 7th Floor Outside	< 1.0	175	< 5.714
990218026-008	8 Elev 6 - 7th Floor Personal - Jeff	< 1.0	175	< 5.714
990218026-009	9 Elev 6 6th Floor Outside	< 1.0	162.5	< 6.153

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
Method Detection Limit MDL) For Total Lead Is 1.0 ug. (<) Indicates Less Than (MDL).

Reviewed by:

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Air Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

EPA Method SW-846, 7420

Report Number 990218026

Account Number:	11-0212	**Date Collected:**	12199
Client Name:	Web Environmental	**Date Received:**	21899
Address:	9440 Pennsylvania Ave.	**Date Analyzed:**	21899
	Upper Marlboro MD 20772	**Date Reported:**	22299
Project:	NEOB Elevator 6		

METS Sample	Client Sample ID/ Location	Air Total Pb ug	Volume	Pb ug/m 3
990218026-010	10 Elev 6 6th Floor Personal - Jeff	< 1.0	162.5	< 6.153

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
Method Detection Limit MDL) For Total Lead Is 1.0 ug. (<) Indicates Less Than (MDL).

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#** 990037/ACT# P72693157

INDUSTRIAL HYGIENIST T'Jan N'jie **DATE** 01/22/99

ABATEMENT CONTRACTOR T & P Engineers

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Outside	900	2.5	1849	2010	see attach

LOCATION: **Elevator No: 5 - Tenth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Personal	50	2.5	1849	2010	see attach

LOCATION: **Mike Chicka - Elevator No: 5 - Tenth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Outside	505	2.5	1855	2000	see attach

LOCATION: **Elevator No: 6 - Fifth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Personal	92	2.5	1855	2000	see attach

LOCATION: **Jeff Masone - Elevator No: 6 - Fifth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Outside	900	2.5	2003	2055	see attach

LOCATION: **Elevator No: 6 - Fourth Floor**

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

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#**990037/ACT# P72693157

INDUSTRIAL HYGIENIST T'jan N'jie **DATE** 01/22/99

ABATEMENT CONTRACTOR T & P Engineers

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Personal	50	2.5	2003	2030	see attach

LOCATION: **Jeff Masone - Elevator No: 6 - Fourth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Outside	505	2.5	2010	2100	see attach

LOCATION: **Elevator No: 6 - Third Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
08	Personal	90	2.5	2010	2125	see attach

LOCATION: **Mick Chicka - Elevator No: 6 - Third Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
09	Outside	900	2.5	2015	2130	see attach

LOCATION: **Elevator No: 5 - Ninth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
10	Personal	50	2.5	2035	2135	see attach

LOCATION: **Jeff Masone - Elevator No: 5 - Ninth Floor**

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

WEB ENVIRONMENTAL GROUP

Date 1 28 99
Job No.
Job Name New Executive Bldg
Page 1 of 2

DAILY LOG SHEET

Time	Remarks
	Josh Maldonado 172-[illegible]
	Daniel W. Wilcox
19:00	Crew [illegible] work [illegible], mike on 10th floor, elevator 5 applying [illegible] to elevator jam, Jeff start on [illegible] on fifth floor, elevator jam of unit six. Dan [illegible] [illegible] his way down, installing poly sheeting on elevator landing ahead of mike.
19:30	Jeff doing final wipe down on elevator jam of unit 6, on 5th floor. Josh helping [illegible] and equipment to 4th floor.
20:00	Jeff complete work on 5th floor and heads on down to 4th floor, monitoring pumps set up as Jeff starts abatement.
20:10	Mike complete application on 10th floor, equipment move to 9th floor, unit 5.
20:[illegible]	Pumps started as mike began application of [illegible] to the door jam.
20:50	Application of [illegible] complete, paper [illegible] [illegible] put on and taped. [illegible] down to 4th floor to Jeff & Jason to check on their progress
21:05	9th floor, elevator jam of unit 5 complete, equipment move to 8th floor and proceeded with application.
22:10	Application of [illegible] on 8th floor, unit 5 elevator jam, covered it with [illegible] paper, complete. Equipment [illegible] gathered and moved to 7th floor. Monitoring pumps started. Jeff & Josh move down to 3rd floor to start removal on elevator jam of unit 6.

WEB ENVIRONMENTAL GROUP

Date 1 22 94
Job No.
Job Name New Executive Bldg
Page 2 of

Time	Remarks DAILY LOG SHEET
[illegible]	Mike complete application of peel away on elevator jam of unit 5, 7th floor and stack covering paste with prescribed paper. Checked on Jeff and Jason on 1B elevator jam of unit [illegible] 3rd floor also completed

EXHIBIT B
GSA LEAD ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: 990037/ACT# P72693157
Elventor 5 - Floors 10 & 9
Location: Elevator 6 - Floors 5,4 & 3 Date: 01/22/99

Removal Contractor: T & P Engineering Company, Inc. Time started: 1830

Monitoring Contractor: WEB Environmental Group Time Stopped: 2300

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

GSA LEAD ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators (half face)	Disp ____ HEPA_YES Paper_____ TYPE "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. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA LEAD ABATEMENT MONITORING CHECKLIST

Report Prepared By: Tijan T'jie Date: 01/22/99

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Air Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

EPA Method SW-846, 7420

Report Number 990218030

Account Number: 11-0212
Client Name: Web Environmental
Address: 9440 Pennsylvania Ave.
Upper Marlboro MD 20772

Project: New Executive Office Bldg

Date Collected: 12299
Date Received: 21899
Date Analyzed: 21899
Date Reported: 22299

METS Sample	Client Sample ID/ Location	Air Total Pb ug	Volume	Pb ug/m 3
990218030-001	1 Outside 10th FL Elev 5	< 1.0	202.5	< 4.938
990218030-002	2 Personal - Mike Elev 5 10th FL	< 1.0	202.5	< 4.938
990218030-003	3 Outside 5th FL Elev 6	< 1.0	162.5	< 6.153
990218030-004	4 Personal - Jeff 5th FL Elev 6	< 1.0	187.5	< 5.333
990218030-005	5 Outside 4th FL Elev 6	< 1.0	130	< 7.692
990218030-006	6 Personal - Jeff 4th FL Elev 6	< 1.0	130	< 7.692
990218030-007	7 Outside - 3rd FL Elev 6	< 1.0	187.5	< 5.333
990218030-008	8 Personal - Mike Elev 6 3rd FL	< 1.0	187.5	< 5.333
990218030-009	9 Outside - 9th FL Elev 5	< 1.0	187.5	< 5.333

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
Method Detection Limit MDL) For Total Lead Is 1.0 ug. (<) Indicates Less Than (MDL).

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
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Fax#: 301.870.1701

Lead Air Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

EPA Method SW-846, 7420

Report Number 990218030

Account Number: 11-0212
Client Name: Web Environmental
Address: 9440 Pennsylvania Ave.
Upper Marlboro MD 20772

Project: New Executive Office Bldg

Date Collected: 12299
Date Received: 21899
Date Analyzed: 21899
Date Reported: 22299

METS Sample	Client Sample ID/ Location	Air Total Pb ug	Volume	Pb ug/m 3
990218030-010	10 Personal - Mike Elev 5 9th FL	< 1.0	200	< 5

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
Method Detection Limit MDL) For Total Lead Is 1.0 ug. (<) Indicates Less Than (MDL).

Reviewed by:

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#** 990037/ACT# P72693157

INDUSTRIAL HYGIENIST T'Jan N'jie **DATE** 01/23/99

ABATEMENT CONTRACTOR T & P Engineers

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Outside	900	2.5	1845	1955	see attach

LOCATION: **Elevator No: 5 - Tenth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Personal	52	2.5	1845	1955	see attach

LOCATION: **Josh Maldonado - Elevator No: 5 - Tenth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Outside	900	2.5	2010	2106	see attach

LOCATION: **Elevator No: 5 - Ninth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Personal	52	2.5	2010	2106	see attach

LOCATION: **Josh Malldonado - Elevator No: 5 - Ninth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Outside	900	2.5	2115	2209	see attach

LOCATION: **Elevator No: 5 - Eighth Floor**

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

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#**990037/ACT# P72693157

INDUSTRIAL HYGIENIST T'jan N'jie **DATE** 01/23/99

ABATEMENT CONTRACTOR T & P Engineers

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Personal	52	2.5	2115	2209	see attach

LOCATION: **Josh Maldonado - Elevator No: 5 - Eighth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Outside	900	2.5	2220	2335	see attach

LOCATION: **Elevator No: 5 - Seventh Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
08	Personal	52	2.5	2220	2335	see attach

LOCATION: **Josh Maldonado - Elevator No: 6 - Third Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
09	Outside	900	2.5	2345	0059	see attach

LOCATION: **Elevator No: 5 - Sixth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
10	Personal	52	2.5	2345	0059	see attach

LOCATION: **Jeff Masone - Elevator No: 5 - Sixth Floor**

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

WEB ENVIRONMENTAL GROUP

Date 1 23 99
Job No.
Job Name New Executive Bldg
Page 1 of 2

Time	Remarks DAILY LOG SHEET
	Daniel Wilcox 159-40-9318
	Jeff Masone 001-50-3031
	Mike Chicka 199-46-6520
	Josh Maldonado 172-62-6202
18:30	Crew split in two. With Jeff & Josh starting abatement elevator jam of unit 5, on 16th floor whole Mike starts application from the 5th floor down on unit 5. Set up area and personal monitoring pumps on.
19:55	Jeff + Josh done on 16th floor, getting equipment & supplies together to move down to 9th floor. Mike applying paper barrier to peel away compound on elevator jam of unit 5, on 5th floor.
20:10	Abatement started on unit 5, on 9th floor, pumps turned on, Mike applying peel away compound elevator jam, of unit 5, on 4th floor. I have to say at this point, on this project, commendation has to be given the crew from T M E for their professional and timely executions of all phase of this project
21:06	Jeff's crew done on 9th floor, moving down to 5th.
21:15	Pumps turned-on as Jeff starts abatement,
21:20	Daniel helps Mike to move equipment and supplies down 3rd floor to again apply peel-away compound to elevator jam of unit 5. Laurel head back up to 10th floor to cover abated areas of unit 5 with poly sheeting held on by masking tape.
22:09	Stopped pumps on 5th floor as abatement crew was done and about to move down to 7th floor.
22:20	Restarted pumps on 7th floor after changing cassettes as Jeff & Josh were getting on their way to starting abatement.

WEB ENVIRONMENTAL GROUP

Date 1 28 99
Job No.
Job Name New Executive Bldg
Page 2 of 2

Time	Remarks DAILY LOG SHEET
[illegible]	Mike done with application on 3rd floor, unit 5 elevator jam, got his equipment down to level B1
[illegible]	Jeff's crew done on 7th floor and move down to 6th floor, where I changed cassettes on air monitoring pumps as crew prepared to begin abatement. Dan on level B1 helping Mike in application.
[illegible]	All abatement complete on 6th floor elevator jam of unit 5. Crew back back to 6th floor cleaning previous work area. Dan and Mike complete application on elevator jam of unit 5 on level B2. All abated material placed in lined sled drum and drum sealed

EXHIBIT B
GSA LEAD ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: 990037/ACT# P72693157

Location: Elevator 5 - Floors 10, 9, 8, 7 & 6 Date: 01/23/99

Removal Contractor: T & P Engineering Company, Inc. Time started: 1830

Monitoring Contractor: WEB Environmental Group Time Stopped: 0100

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

GSA LEAD ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators (half face)	Disp ____ HEPA YES Paper_____ TYPE "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. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA LEAD ABATEMENT MONITORING CHECKLIST

Report Prepared By: Tijan T'jie Date: 01/23/99

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Air Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

EPA Method SW-846, 7420

Report Number 990218027

Account Number: 11-0212
Client Name: Web Environmental
Address: 9440 Pennsylvania Ave.
Upper Marlboro MD 20772

Project: New Executive Office Bldg

Date Collected: 12399
Date Received: 21899
Date Analyzed: 21899
Date Reported: 22299

METS Sample	Client Sample ID/ Location	Air Total Pb ug	Volume	Pb ug/m 3
990218027-001	1 Outside - 10th FL	< 1.0	175	< 5.714
990218027-002	2 Personal - Josh 10th FL	< 1.0	175	< 5.714
990218027-003	3 Outside - 9th FL	< 1.0	140	< 7.142
990218027-004	4 Personal - Josh 9th FL	< 1.0	140	< 7.142
990218027-005	5 Outside - 8th FL	< 1.0	135	< 7.407
990218027-006	6 Personal - Josh 8th FL	< 1.0	135	< 7.407
990218027-007	7 Outside 7th FL	< 1.0	187.5	< 5.333
990218027-008	8 Personal - Josh 7th FL	< 1.0	187.5	< 5.333
990218027-009	9 Outside 6th FL	< 1.0	185	< 5.405

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
Method Detection Limit MDL) For Total Lead Is 1.0 ug. (<) Indicates Less Than (MDL).

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
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Fax#: 301.870.1701

Lead Air Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

EPA Method SW-846, 7420

Report Number **990218027**

Account Number:	**11-0212**	**Date Collected:**	12399
Client Name:	Web Environmental	**Date Received:**	21899
Address:	9440 Pennsylvania Ave.	**Date Analyzed:**	21899
	Upper Marlboro MD 20772	**Date Reported:**	22299
Project:	New Exective Office Bldg		

METS Sample	Client Sample ID/ Location	Air Total Pb ug	Volume	Pb ug/m 3
990218027-010	10 Personal - Josh 6th FL	< 1.0	185	< 5.405

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
Method Detection Limit MDL) For Total Lead Is 1.0 ug. (<) Indicates Less Than (MDL).

WEB ENVIRONMENTAL GROUP

LEAD

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#** 990037/ACT# P72693157

INDUSTRIAL HYGIENIST T'Jan N'jie **DATE** 01/24/99

ABATEMENT CONTRACTOR T & P Engineers

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Outside	900	2.5	1000	1056	see attach

LOCATION: **Elevator No: 5 - Level B-1**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Personal	90	2.5	1010	1056	see attach

LOCATION: **Jeff Masone - Elevator No: 5 - Level B-1**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Outside	900	2.5	1100	1155	see attach

LOCATION: **Elevator No: 5 - Level B-2**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Personal	90	2.5	1100	1155	see attach

LOCATION: **Jeff Masone - Elevator No: 5 - Level B-2**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Outside	900	2.5	1200	1300	see attach

LOCATION: **Elevator No: 5 - Fifth Floor**

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

LEAD

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#**990037/ACT# P72693157

INDUSTRIAL HYGIENIST T'jan N'jie **DATE** 01/24/99

ABATEMENT CONTRACTOR T & P Engineers

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Personal	90	2.5	1200	1300	see attach

LOCATION: **Jeff Masone - Elevator No: 5 - Fifth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Outside	900	2.5	1310	1357	see attach

LOCATION: **Elevator No: 5 - Fourth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
08	Personal	90	2.5	1310	1357	see attach

LOCATION: **Jeff Masone - Elevator No 5 - Fourth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
09	Ambient	900	2.5	1405	1510	see attach

LOCATION: **Elevator No: 5 - Third Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
10	Personal	90	2.5	1405	1510	see attach

LOCATION: **Jeff Masone - Elevator No: 5 - Third Floor**

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

WEB ENVIRONMENTAL GROUP

Date 1 29 99
Job No.
Job Name New Executive Bldg.
Page 1 of

Time	Remarks DAILY LOG SHEET
	Daniel Wilcox 159-40-~~6~~9318
	Jeff Masone 001-50-3021
	Mike Chicka 199-46-6520
	Josh Maldonado 172-62-6202
10.00	Crew again split in two with Jeff and Jason doing abatement on B1, unit 5, elevator jam, while Mike & Daniel build roving containment and cover walls and floor of work area on ground floor. Started pump to take background samples on 1st floor elevator landing area. Pumps also going on B1 for lead abatement
11.05	Jeff complete abatement on B1 and move down to level B2, again cassettes were changed, labelled and pumps restarted. 2nd crew completes building mini containment and covering wall & floor. Workers put on protective clothing and equipment went into containment, and began cutting required slots
11.45	Crew complete cutting slot above elevator 4 on ground floor, did fire cleaning. Cassettes changed on pumps and checked ~~upderms~~, results came back negative i.e. below required count of fibers and mini containment moved to elevator 5 still on ground floor.
12.20	Jeff complete B2, got his equipment together and moved up to 5th to begin work on elevator jam of unit 5
12.30	Power supply to ~~[illegible]~~ cutter with hepa attachment lost, building engineer called, who fixes problem and work continues.
13.30	Cutting on unit 5 on ground floor complete, air sample gotten, examined and passed and mini containment move over to unit 6 to continue cutting. Checked on Jeff on 5th floor unit 5, and found all completed and ready to move to 4th floor

WEB ENVIRONMENTAL GROUP

ASBESTOS

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#** 990037/ACT# P72693157

INDUSTRIAL HYGIENIST T'Jan N'jie **DATE** 01/24/99

ABATEMENT CONTRACTOR T & P Engineers

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Background	505	2.5	1010	1115	<0.01 f/cc

LOCATION: **Ground Floor, Elevator No: 4, 5 & 6**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Ambient	505	2.5	1115	1330	0.01 f/cc

LOCATION: **Ground Floor - Elevator Landing**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Personal	52	2.5	1115	1330	0.01 f/cc

LOCATION: **Jeff Masone - Ground Floor - Elevator Landing**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Final	505	2.5	1500	1800	<0.01 f/cc

LOCATION: **Jeff Masone - Elevator No: 5 - Level B-2**

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

LOCATION:

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

WEB ENVIRONMENTAL GROUP

Date [illegible]
Job No.
Job Name New Executive Bldg
Page 2 of

Time	Remarks DAILY LOG SHEET
14:00	Abatement and fine cleaning complete on 4th floor, unit 5 elevator & fans. Equipment gathered together and taken down to 3rd floor.
14:30	All equipment except [illegible] tape, removed to truck. Mike starting on 16th floor checking for and removing pieces of tape and poly, originally overlooked.
14:49	Abatement complete on 4th floor, final cleaned inspected and cleared.
15:10	Elevator fans of unit 5, on 3rd floor, cleaned of poly [illegible] [illegible] ground floor elevator landing.
17:00	Pump stopped on sample cassette retrieved and analysed found to be well below [illegible] level. [illegible] off [illegible] poly sheets of walls and floor followed by a thorough fine cleaning.

EXHIBIT B
GSA LEAD ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: 990037/ACT# P72693157

Location: Elevator 5 - Floors 3, 4, 5, Levels B-1 & B-2 Date: 01/24/99

Removal Contractor: T & P Engineering Company, Inc. Time started: 1000

Monitoring Contractor: WEB Environmental Group Time Stopped: 1700

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

GSA LEAD ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators (half face)	Disp ____ HEPA_YES Paper_____ TYPE "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. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA LEAD ABATEMENT MONITORING CHECKLIST

Report Prepared By: Tijan T'jie Date: 01/24/99

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building Project: 990037ACT#P72693157

Location: 1B & 2B Elevator Wall/Containment Date:: 01/24/98

Removal Contractor: T & P Engineering Company, Inc. Time Inspected: 1500

Monitoring Contractor: WEB Environmental Group Time Completed: 1800

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

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

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

GSA FINAL INSPECTION OF LEAD ABATEMENT PROJECT (BACK)

BULK SAMPLES:

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

FINAL AIR SAMPLING:

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

Sample Number:	505	_____	_____	_____
Location:	Ground Foor Elev 4,5,6	_____	_____	_____
Volume (Liters):	1800	_____	_____	_____
Flow rate: (Liters/Minute)	10	_____	_____	_____
Fibers/Filter:	10/100	_____	_____	_____
Fibers/Cubic Cm:	0.002	_____	_____	_____

ANALYSTS ANALYZING SAMPLING: Tijan N'jie DATE: 01/24/99

Field Notes:

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

_____
_____
_____
_____
_____

REPORT PREPARED BY: Tijan N'jie **DATE: 01/24/99**

REPORT REVIEWED BY: Eric W. Butler **DATE: 01/24/99**

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Air Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

EPA Method SW-846, 7420

Report Number **990218029**

Account Number: 11-0212
Client Name: Web Environmental
Address: 9440 Pennsylvania Ave.
Upper Marlboro MD 20772

Project: New Executive Office Bldg - Elevator 5

Date Collected: 12499
Date Received: 21899
Date Analyzed: 21999
Date Reported: 21999

METS Sample	Client Sample ID/ Location	Air Total Pb ug	Volume	Pb ug/m 3
990218029-001	1 Outside Level B-1	< 1.0	140	< 7.142
990218029-002	2 Personal - Jeff Level B-2	< 1.0	140	< 7.142
990218029-003	3 Outside Level B-2	< 1.0	137.5	< 7.272
990218029-004	4 Personal Jeff Level B-2	< 1.0	137.5	< 7.272
990218029-005	5 Outside 5th Floor	< 1.0	150	< 6.666
990218029-006	6 Personal Jeff 5th Floor	< 1.0	150	< 6.666
990218029-007	7 Outside 4th Floor	< 1.0	117.5	< 8.51
990218029-008	8 Personal Jeff 4th Floor	< 1.0	117.5	< 8.51
990218029-009	9 Outside 3rd Floor	< 1.0	162.5	< 6.153

M. Metzger

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
Method Detection Limit MDL) For Total Lead Is 1.0 ug. (<) Indicates Less Than (MDL).

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Air Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

EPA Method SW-846, 7420

Report Number 990218029

Account Number:	11-0212	**Date Collected:**	12499
Client Name:	Web Environmental	**Date Received:**	21899
Address:	9440 Pennsylvania Ave.	**Date Analyzed:**	21999
	Upper Marlboro MD 20772	**Date Reported:**	21999
Project:	New Executive Office Bldg - Elevator 5		

METS Sample	Client Sample ID/ Location	Air Total Pb ug	Volume	Pb ug/m 3
990218029-010	10 Personal Jeff 3rd Floor	< 1.0	162.5	< 6.153

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
Method Detection Limit MDL) For Total Lead Is 1.0 ug. (<) Indicates Less Than (MDL).

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Dust Wipe Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

Method EPA SW-846, 7420

Report Number 990126040

Account Number: 11-0212
Client Name: Web Environmental
Address: 9440 Pennsylvania Ave.
Upper Marlboro MD 20772

Project: NEUB 17th & Penn Elevators 6

Date Collected: 12499
Date Received: 12699
Date Analyzed: 12699
Date Reported: 12799

METS Sample	Location/ Client Sample ID	Surface		Total Pb ug	Area ft2		Pb ug/ftsq
990126040-001	1 Elevator 6 level B-2 Door Frames	DF	<	5.0	1.00	<	5.0
990126040-002	2 Elevator 6 level B-1 Door Frame	DF	<	5.0	1.00	<	5.0
990126040-003	3 Elevator 6 3rd Floor Door Frame	DF	<	5.0	1.00	<	5.0
990126040-004	4 Elevator 6 4th Floor Door Frame	DF	<	5.0	1.00	<	5.0
990126040-005	5 Elevator 6 5th Floor Door Frame	DF	<	5.0	1.00	<	5.0
990126040-006	6 Elevator 6 6th Floor Door Frame	DF	<	5.0	1.00	<	5.0
990126040-007	7 Elevator 6 7th Floor Door Frame	DF	<	5.0	1.00	<	5.0
990126040-008	8 Elevator 6 8th Floor Door Frame	DF	<	5.0	1.00	<	5.0
990126040-009	9 Elevator 6 9th Floor Door Frame	DF	<	5.0	1.00	<	5.0
990126040-010	10 Elevator 6 10th Floor Door Frame	DF	<	5.0	1.00	<	5.0

Federal lead guidelines for leaded dust clearance levels by wipe sampling; Floors(FL) - 100ug/ftsq, interior Window Sills(SL) - 500 ug/ftsq Window Wells(WW) - 800 ug/ftsq, Exterior Concrete Surfaces - 800 ug/ftsq. *MD lead levels for wipe sampling on floors is 200ug/ftsq.
(MDL) Method Detection Limit is 5.0ug Total Pb. (<) signs indicate less than (MDL)

Reviewed by:
Maria P. Perez, Quality Control

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Dust Wipe Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

Method EPA SW-846, 7420

Report Number 990126048

Account Number: 11-0212
Client Name: Web Environmental
Address: 9440 Pennsylvania Ave.
Upper Marlboro MD 20772

Project: Neob 17th & Penn Elevator 5

Date Collected: 12499
Date Received: 12699
Date Analyzed: 12699
Date Reported: 12699

METS Sample	Location/ Client Sample ID	Surface		Total Pb ug	Area ft2		Pb ug/ftsq
990126048-001	11 Elevator 5 level B-2 door frame	DF	<	5.0	1.00	<	5.0
990126048-002	12 Elevator 5 level B-1 door frame	DF	<	5.0	1.00	<	5.0
990126048-003	13 Elevator 5 3rd fl door frame	DF	<	5.0	1.00	<	5.0
990126048-004	14 Elevator 5 4th floor door frame	DF	<	5.0	1.00	<	5.0
990126048-005	15 Elevator 5	DF	<	5.0	1.00	<	5.0
990126048-006	16 Elevator 5	DF	<	5.0	1.00	<	5.0
990126048-007	17 Elevator 5	DF	<	5.0	1.00	<	5.0
990126048-008	18 Elevator 5	DF	<	5.0	1.00	<	5.0
990126048-009	19 Elevator 5	DF	<	5.0	1.00	<	5.0
990126048-010	20 Elevator 5	DF	<	5.0	1.00	<	5.0

Federal lead guidelines for leaded dust clearance levels by wipe sampling; Floors(FL) - 100ug/ftsq, interior Window Sills(SL) - 500 ug/ftsq Window Wells(WW) - 800 ug/ftsq, Exterior Concrete Surfaces - 800 ug/ftsq. *MD lead levels for wipe sampling on floors is 200ug/ftsq.
(MDL) Method Detection Limit is 5.0ug Total Pb. (<) signs indicate less than (MDL)

99-348 C.S/W PYG
8/9/99 DC010522
cc: WPW

WEB ENVIRONMENTAL GROUP

INDUSTRIAL HYGIENE SERVICES

June 18, 1999

RECEIVED
JUL 26 10 35 AM '99
SAFETY & ENVIRONMENT BRANCH

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

Ref: New Executive OfficeBuilding - Loading Dock

Dear Ms. Eleazer:

Enclosed you will find the laboratory results for the personal, area and final clearance samples collected on May 7, 8, 9, 10, 24 and 25, 1999 at the Loading Dock of the New Executive Office Building, located at 725 17th Street N. W., Washington, D.C.

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

Since this is an on going project, enclosed is an invoice for partial payment.

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

Sincerely,

Cynthia E. Anderson

CYNTHIA E. ANDERSON
Industrial Hygiene Division

9440 PENNSYLVANIA AVENUE • SUITE 305 • UPPER MARLBORO, MD 20772 • 301/599-7959 • FAX 301/599-7958
2120 L STREET, N.W. • SUITE 210 • WASHINGTON, D.C. 20037 • 202/452-9862 • FAX 301/599-7958

WEB ENVIRONMENTAL GROUP

Date 5/7/97
Job No. 990100 LOADING DOCK
Job Name NEOB
Page 1 of

Time	Remarks
	DAILY LOG SHEET
2100	Industrial Hygienist, Harold A. Hartt from Web Environmental Group arrives on
	site. EST has 15 workers and supervisor Rueben Ochoa. (Manuel Rivera,
	Rolando Rivera, Santos Vasquez, Freddy Lopez, Pablo Sanchez, Rigoberto Vazquez,
	Carlos Andres Martinez, Edgar Guevara, Rony Cruz, Marco Ramos, Oziel Gonzales,
	Joses Jesus R., Vicencio Campos, Jose Campos, Portillo Santos)
2200	EST is building containment in loading dock
2300	EST continues to build containment
2330	I pre calibrate 2 area sampling trains.

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building. Project: 990100

Location: Loading Dock Date: 05/07/99

Removal Contractor: Enviro Services Inc. Time Inspected: _____

Monitoring Contractor: WEB Environmental Group Time work started: _____

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

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

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

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Harold Hurtt Date: 05/07/99

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project No 990100/ACT #P72693157

Location: Loading Dock Date 05/07/99

Removal Contractor: Enviro Services Inc. Time started: 2100

Monitoring Contractor: WEB Environmental Group Time Stopped: 2330

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (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	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
3. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp _____ HEPA_Half face Paper_____ TYPE "C"_____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
4. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
5. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Harold Hurtt Date: 05/07/99

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#** 990100

INDUSTRIAL HYGIENIST Harold Hurtt **DATE** 05/08/99

ABATEMENT CONTRACTOR Enviro Services Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Background	900	12	0000	0300	<0.01 f/cc

LOCATION: **Inside Containment - Loading Dock**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Background	720	12	0000	0300	<0.01 f/cc

LOCATION: **Outside Containment - Hallway - B-1**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Personal	13	2.5	0600	1300	0.01 f/cc

LOCATION: **Juan Flores**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Inside	900	2.5	0600	1300	0.009 f/cc

LOCATION: **Inside Containment - Loading Dock**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Outside	720	2.5	0600	1300	<0.01 f/cc

LOCATION: **Hallway**

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

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#** 990100/ACT P72693157

INDUSTRIAL HYGIENIST Harold Hurtt **DATE** 05/08/99

ABATEMENT CONTRACTOR Enviro Services Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Personal	13	2.5	1400	2100	0.01 f/cc

LOCATION: **Douglas**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESOULT
07	Inside	900	2.5	1400	2100	0.008 f/cc

LOCATION: **Loading Dock**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
08	Outside	720	2.5	1400	2100	<0.0001 f/cc

LOCATION: **Hallway**

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

LOCATION:

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

LOCATION:

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

WEB ENVIRONMENTAL GROUP

Date 5/8/99
Job No. 990000
Job Name NEOB LOADING DOCK
Page 1 of 1

Time	Remarks DAILY LOG SHEET
0000	Put out 2 area sampling trains. One inside containment and one outside of the containment.
0100	ESI crew takes a break.
0200	ESI continues building containment with 6 mil poly & duct tape.
0300	Pull + post calibrate 2 area sampling trains.
0330	ESI completes containment. Containment has 2 layers of 6 mil poly on floor + walls. All critical barriers are sealed. 5 micro traps in place.
0430	Inspection of containment with smoke tubes reveals a secure containment
0530	ESI begins to load equipment into containment for removal. Scaffolds, ladders, knives amended water, buckets, shovels, scrapers and 6 mil waste bags
0545	ESI, Inc. second crew arrives to begin removal. Pre-calibrate 3 air sampling trains.
0600	Put out 3 air sampling trains. One inside containment, one in the hallway outside of the containment and one personal air sample.
	ESI's second crew has 13 members and supervisor Sergio Morales. (Douglas Sabillon, Juan Flores, Francisco Tobar, Igal Garcia, Rizardo Campos, Carolina Gomez, Elio Meza, Santos Flores, Santos Portillo, Luis Mora, Carmen Garcia, Melba Funes, + Lorenzo Amachado)
	ESI crew suits up in personal protective equipment and begins removal of asbestos ceiling tile and spray on.
0700	Negative air pressure is achieved and maintained
0900	ESI, Inc. continues removal
1100	ESI, Inc. continues removal of asbestos spray on
1300	ESI, Inc. crew takes lunch after decontamination series
1400	ESI suits up in personal protective equipment + begins removal of asbestos pipe insulation + spray on. Switch out samples
1600	ESI, Inc. continues removal with knives, scrapers, shovels, and amended water
1800	ESI continues removal
2000	ESI continues removal
2100	Pull + post calibrate 3 air sampling trains. I am relieved from duty.
2130	Pack up + leave job site.

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project No 990100/ACT #P72693157

Location: Loading Dock Date 05/08/99

Removal Contractor: Enviro Services Inc. Time started: 0000

Monitoring Contractor: WEB Environmental Group Time Stopped: 2130

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (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	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp ____ HEPA_Half Face Paper_____ TYPE "C"_____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Harold Hurtt Date: 05/08/99

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#**990100/ACT P72693157

INDUSTRIAL HYGIENIST Brad Mahanes **DATE** 05/08/99 to 05/09/99

ABATEMENT CONTRACTOR Enviro Services Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Inside	616	2.5	2100	0430	0.012 f/cc

LOCATION: **Decon Basement Level**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RES0ULT
02	Outside	586	2.5	2100	0430	<0.01 f/cc

LOCATION: **Outside Decon**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Inside	616	2.5	0430	0800	0.015 f/cc

LOCATION: **Inside Decon**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Outside	586	2.5	0430	0800	<0.01 f/cc

LOCATION: **Outside Decon**

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

LOCATION:

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

WEB ENVIRONMENTAL GROUP

Date 5/8/99 & 5/9
Job No.
Job Name National Executive office building
Page ____ of ____

DAILY LOG SHEET

	Time	Remarks
	~~8P~~	
5/8/99 PM	21:00	EnviroServe INC is on job site. They have 12 workers including supervisor Ruben Ochoa. They are removing sprayed out insulation off ceiling deck and also had to remove ceiling to get to insulation. I started 2 air samples one outside of decon and another inside containment next to decon.
	22:00	I walked through containment. ESI is using airless sprayers and keeping material very ~~wet~~ wet. Also a mist of water in air.
	24:00	I noticed material on floor near entrance. I asked the supervisor Rubin Ochoa to have worked get all debris off floor which he promptly took care of.
5/9/99 AM	4:30	I started new air samples in same places
	6:00	Rubin Ochoa's crew is leaving job site a new crew of 10 including Sergio Rorales (supervisor) is on site.
	7:00	Crew has suited up. Everyone on crew is using 2 suits for extra protection
	7:30	Mahanes off site

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project No 990100/ACT #P72693157

Location: Loading Dock Date 05/08/99 - 05/09/99

Removal Contractor: Enviro Services Inc. Time started: 2100

Monitoring Contractor: WEB Environmental Group Time Stopped: 0800

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (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	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp ____ HEPA_Half Face Paper_____ TYPE "C"_____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Brad Mahanes Date: 05/09/99

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#**990100/ACT P72693157

INDUSTRIAL HYGIENIST Tijan Njie **DATE** 05/09/99

ABATEMENT CONTRACTOR Enviro Services Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Inside	900	5	2310	0300	<0.01 f/cc

LOCATION: **Inside Work Area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESOULT
02	Outside	725	10	2300	0300	<0.01 f/cc

LOCATION: **Outside Decon**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Outside	820	10	0130	0245	<0.01 f/cc

LOCATION: **Outside Bag-Out**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Inside	900	5	0300	0530	<0.01 f/cc

LOCATION: **Inside Work Area**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Outside	725	10	0300	0530	<0.01 f/cc

LOCATION: **Outside Decon**

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

WEB ENVIRONMENTAL GROUP

Date 5/9/9[illegible]
Job No.
Job Name N 2 OB
Page 1 of 1

Time	Remarks DAILY LOG SHEET
22.30	Arrived on site, went over scope of project with I.H on duty, introduced ~~with~~ to project supervisor, Crew at lunch.
23.00	Started air monitoring pumps as crew return from lunch.
24.00	Put on p.p.e, went into enclosure to observe abatement worker, found work practices in adherance with set abatement protocol, showered out.
01.30	Informed bag-out about to begin, set up air monitoring pump just outside decon.
02.45	Bag-out done, cassette analysed, fiber count below set criteria
03.00	Maintenance workers informed me that there is a minor water leak, directly under containment, instructed project supervisor to have water vaccummed up with hepa vac then area encapsulated as precaution, and in mean time all water on enclosure floor to be vaccummed up, then floor to be checked for holes, tears or separation at seams + repaired before abatement would be okayed to proceed.
3.15	Noticed that ceiling just outside enclosure at loading dock had fallen down, had area again cleaned, aquired sample of debris, for possible analysis, if needed, to determine if asbestos containing.
04.10	Called into enclosure for final inspection, enough debris was found on horizontal surfaces, to warrant a total reclean of surfaces including entire floor area.

WEB ENVIRONMENTAL GROUP

Date [illegible]
Job No.
Job Name NEOB
Page 2 of 2

Time	Remarks DAILY LOG SHEET
5:10	Did second inspection, but for minor
	ne cleanings here + there cleared for capping.

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project No 990100/ACT #P72693157

Location: Loading Dock Date 05/09/99

Removal Contractor: Enviro Services Inc. Time started: 2300

Monitoring Contractor: WEB Environmental Group Time Stopped: 0530

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (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	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp ____ HEPA_Half Face Paper_____ TYPE "C"_____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

Water to floor below, addressed immediately. Ceiling collaspe at loading dock, also pointed to project supervisor, prompt action taken, area also cleaned and encapsulated

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Tijan N'jie Date: 05/09/99

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#**990100/ACT P72693157

INDUSTRIAL HYGIENIST Eric Bulter **DATE** 05/09/99

ABATEMENT CONTRACTOR Enviro Services Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Inside	760	2.5	0830	2300	0.01 f/cc

LOCATION: **East**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RES0ULT
02	Inside	50	2.5	0830	2300	<0.01 f/cc

LOCATION: **West**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Outside	92	2.5	0840	2305	<0.001 f/cc

LOCATION: **Decon**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	AFD	500	2.5	0840	2305	<0.01 f/cc

LOCATION: **Outside**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Outside	780	2.5	0840	2305	<0.01 f/cc

LOCATION: **Clean Air**

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

WEB ENVIRONMENTAL GROUP

Date 5/9/99
Job No.
Job Name New Executive Office Bldg
Page ____ of ____

Time	Remarks DAILY LOG SHEET
0800	I arrive on site and relieve Brad Mabanes. Crew is working in loading dock area removing ceiling plaster.
	Crew consists of
	Vienew Campos 230 61 1940
	Arturo Rodriguez 610 53 6512
	Marco Ramos 218 53 1741
	Freddy Lopez 227-67-4352
	Milton Furnez 230-75-5093
	Jose Chavez 590-11-8322
	Osiel Gonzalez 218-53-2585
	Jose Jesus 592-03-0315
	Ruben Ochoa 606-62-6780
0830	I begin air samples and enter containment. Crew is removing ceiling material and putting debris in bags.
1000	Crew takes short break
1020	Crew returns and continues working
1100	I instruct crew to use adequate water on ACM materials to keep fiber levels low.
1200	Crew goes to lunch
1300	Crew returns and continues working
1500	Water is being applied regularly to keep dust down. Containment remains in good condition. Air samples are running.
1700	I instruct crew to keep gross material off of floor and keep putting it in bags
1800	Hepa vacuuming is being done on floor and other crew members are wiping surfaces, beams, pipes.

WEB ENVIRONMENTAL GROUP

Date 5-9-99
Job No.
Job Name New Executive office Bldg
Page ____ of ____

DAILY LOG SHEET

Time	Remarks
1900	Crew continues putting material in bags and double bagging
2100	Crew continues cleaning
2200	Crew takes lunch break
2300	Crew resumes working. Tyson Ojie has arrived on site to relieve me.
	Crew has removed ceiling plaster, pipe lagging and sprayed on insulation.

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project No 990100/ACT #P72693157

Location: Loading Dock Date 05/09/99

Removal Contractor: Enviro Services Inc. Time started: 0800

Monitoring Contractor: WEB Environmental Group Time Stopped: 2300

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (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	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp ____ HEPA_Half Face Paper_____ TYPE "C"_____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Eric Butler _____ Date: 05/09/99 ____

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#** 990100/ACT P72693157

INDUSTRIAL HYGIENIST Brad Mahanes **DATE** 05/10/99

ABATEMENT CONTRACTOR Enviro Services Inc.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Final	760	10	0630	0900	0.01 f/cc

LOCATION: **East Loading Dock**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESOULT
02	Final	500	10	0630	0900	<0.01 f/cc

LOCATION: **West Loading Dock**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Final	780	10	0635	0905	<0.001 f/cc

LOCATION: **Center Loading Dock**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Final	600	10	0635	0905	<0.01 f/cc

LOCATION: **Outside Hallway**

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

LOCATION:

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

WEB ENVIRONMENTAL GROUP

Date May 10, 1999
Job No.
Job Name
Page ____ of ____
NEW EXECUTIVE Office building

DAILY LOG SHEET

Time	Remarks
9:00	I went into containment and picked up final air sample.
9:45	I have prepped and read air samples and results less than .01.

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project No 990100/ACT #P72693157

Location: Loading Dock Date 05/10/99

Removal Contractor: Enviro Services Inc. Time started: 0630

Monitoring Contractor: WEB Environmental Group Time Stopped: 0905

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (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	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp ____ HEPA_Half Face Paper_____ TYPE "C"_____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Eric Butler Date: 05/10/99

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building Project: 990100/ACT P72693157

Location: Loading Dock Date:: 05/10/99

Removal Contractor: Enviro Services Inc. Time Inspected: 0510

Monitoring Contractor: WEB Environmental Group Time Completed: 0535

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

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

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

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

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

FINAL AIR SAMPLING:

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

Sample Number:	01	02	03	04
Location:	East Loading Dock	West Loading Dock	Center Loading Dock	Outside Hallway
Volume (Liters):	1815	1815	1815	1815
Flow rate: (Liters/Minute)	10	10	10	10
Fibers/Filter:	6/100	5/100	12/100	4/100
Fibers/Cubic Cm:	<0.001	<0.01	<0.01	<0.01

ANALYSTS ANALYZING SAMPLING: Brad Mahanes DATE: 05/10/99

Field Notes:

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

REPORT PREPARED BY: Brad Mahanes **DATE:** 05/10/99

REPORT REVIEWED BY: **Eric Butler** **DATE:** **05/10/99**

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#**990100/ACT P72693157

INDUSTRIAL HYGIENIST Brad Mahanes **DATE** 05/24/99

ABATEMENT CONTRACTOR K. C. I.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Background	616	10	1800	2000	<0.01 f/cc

LOCATION: **Loading Dock Below Where Removal Was To Be Done**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RES0ULT
02	Outside	616	3	1200	0600	<0.01 f/cc

LOCATION: **Outside Decon**

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

0LOCATION:

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

LOCATION:

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

LOCATION:

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

WEB ENVIRONMENTAL GROUP

Date 5/24/99
Job No. 990117
Job Name NEOB
Page _____ of _____

Time	Remarks DAILY LOG SHEET
18:00	MAhanes on site
	KCI will be removing sprayed on insulation
	from Ceiling deck in Loading Dock where
	garage door motors are to be replaced. they
	(KCI) will also have to REMOVE plaster
	Ceiling below deck. (about 12x15) I
	started background air sample below
	where removable is to be done
19:45	Andre Johnson (supervisor) is on site with 8
	workers. They are trying to have job moved
	to next night.
20:00	KCI has decided to ~~come back on the next~~ go ahead with removal
	I picked up air sample.
24:00	KCI has finished containment. I did inspection
	of containment and gave OK to start removal.
	KCI will be using PgPR respirators while
	doing removal I started an air sample
	outside decon with air flow set at 3.0
	I asked KCI formen Andre Johnson to
	use lots of amended water during abatement
	which he agreed to do.
3:00	KCI Continues to work using wet method
	removal.
6:00	KCI is finished removal of insulation
	and is doing final Clean up. I picked
	~~to~~ up air sample.
	mahanes off site

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project No 990100/ACT #P72693157

Location: Loading Dock Date 05/24/99

Removal Contractor: K. C. I. Inc. Time started: 1800

Monitoring Contractor: WEB Environmental Group Time Stopped: 0600

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	`
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (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	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp ____ HEPA_Half Face Paper_____ TYPE "C"_____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

Water to floor below, addressed immediately. Ceiling collaspe at loading dock, also pointed to project supervisor, prompt action taken, area also cleaned and encapsulated

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Brad Mahanes Date: 05/24/99

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#**990100/ACT P72693157

INDUSTRIAL HYGIENIST Eric Butler **DATE** 05/25/99

ABATEMENT CONTRACTOR K. C. I.

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Final	760	10	0930	1130	<0.01 f/cc

LOCATION: **Loading Dock**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RES0ULT
02	Final	500	10	0930	1130	<0.01 f/cc

LOCATION: **Loading Dock**

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

0LOCATION:

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

LOCATION:

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

LOCATION:

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

WEB ENVIRONMENTAL GROUP

Date 5/24/99
Job No. 990117
Job Name NEOB
Page ____ of ____

Time	Remarks DAILY LOG SHEET
18:00	MAhanes on site
	KCI will be removing sprayed on insulation
	from Ceiling deck in Loading Dock where
	garage door motors are to be replaced. they
	(KCI) will also have to REMOVE plaster
	Ceiling below deck. (about 12x15) I
	started backyround air sample below
	where removable is to be done
19:45	Andre Johnson (supervisor) is on site with 8
	workers. They are trying to have job moved
	to next night.
20:00	KCI has decided to ~~come back on the next~~ go ahead with removal
	I picked up air sample.
24:00	KCI has finished containment. I did inspection
	of containment and gave OK to start removal.
	KCI will be using PQ PR respirators while
	doing removal I started an air sample
	outside decon with air flow set at 3.0
	I asked KCI forman Andre Johnson to
	use lots of amended water during abatement
	which he agreed to do.
3:00	KCI Continues to work using wet method
	removal.
6:00	KCI is finished removal of insulation
	and is doing final Clean up. I picked
	~~to~~ up air sample.
	mahanes off site

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project No 990100/ACT #P72693157

Location: Loading Dock Date 05/25/99

Removal Contractor: K. C. I. Inc. Time started: 1800

Monitoring Contractor: WEB Environmental Group Time Stopped: 0600

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	YES	
	f. Negative pressure > 0.02"	YES	
2. Signs	a. Caution sign at vestibule entry	YES	
	b. OSHA SIGN (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	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators	Disp ____ HEPA_Half Face Paper_____ TYPE "C"_____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

Water to floor below, addressed immediately. Ceiling collaspe at loading dock, also pointed to project supervisor, prompt action taken, area also cleaned and encapsulated

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Brad Mahanes Date: 05/24/99

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building Project: 990100/ACT P72693157

Location: Loading Dock Date:: 05/25/99

Removal Contractor: K. C. I., Inc. Time Inspected: 0530

Monitoring Contractor: WEB Environmental Group Time Completed: 0600

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

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

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

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

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

FINAL AIR SAMPLING:

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

Sample Number:	01	02		
Location:	Loading Dock	Loading Dock		
Volume (Liters)	1200	1200		
Flow rate: (Liters/Minute)	10	10		
Fibers/Filter:	3/100	5/100		
Fibers/Cubic Cm:	<0.001	<0.01		

ANALYSTS ANALYZING SAMPLING: Eric Butler DATE: 05/25/99

Field Notes:

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

REPORT PREPARED BY: Eric Butler **DATE:** 05/25/99

REPORT REVIEWED BY: **Eric Butler** **DATE:** **05/25/99**

WEB ENVIRONMENTAL GROUP

INDUSTRIAL HYGIENE SERVICES

99-312
G.S./WPYG
8/9/99 - DC0105ZZ
CC: WPW

RECEIVED
APR 13 11 14 AM '99
SAFETY & ENVIRONMENT BRANCH

April 7, 1999

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

Re: NEOB (Elevators) - 725 17th Street N. W. Washington, D. C.

Dear Ms. Eleazer:

Enclosed you will find the laboratory results for the backgrounds, personals, air and final clearance samples collected on March 8, 13, 15, 16, 17, and 18, 1999 at the New Executive Office Building, located at 725 17th Street, N. W., Washington, D.C.

Since this is an on going project, enclosed is an invoice for partial payment.

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

Sincerely,

Cynthia E. Anderson

CYNTHIA E. ANDERSON
Industrial Hygiene Division

9440 PENNSYLVANIA AVENUE • SUITE 305 • UPPER MARLBORO, MD 20772 • 301/599-7959 • FAX 301/599-7958
2120 L STREET, N.W. • SUITE 210 • WASHINGTON, D.C. 20037 • 202/452-9862 • FAX 301/599-7958

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#** 990056/ACT#P72693157

INDUSTRIAL HYGIENIST Eric Butler **DATE** 03/08/99

ABATEMENT CONTRACTOR T & P Engineering

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Background	760	12	1515	1615	<0.01 f/cc

LOCATION: **Elevator No: 8**

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

LOCATION:

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

LOCATION:

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

LOCATION:

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

LOCATION:

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

WEB ENVIRONMENTAL GROUP

Date March 8 1999
Job No.
Job Name NEOB Elevator 8
Page ____ of ____

DAILY LOG SHEET

Time	Remarks
1500	Meet with Ron Dickie at the NEOB
	Guards entrance.
	We proceed downstairs to elevator # 8
	where I take a background sample
1515	I begin the background sample.
1615	I end the background sample

WEB ENVIRONMENTAL GROUP

ASBESTO

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#** 990056/ACT P72693157

INDUSTRIAL HYGIENIST Harold Hurtt **DATE** 03/08/99

ABATEMENT CONTRACTOR T & P Engineering

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Personal	13	2.5	1900	1945	<0.01 f/cc

LOCATION: **Joshua Malonado - Fifth Floor Mechanical Room**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESOULT
02	Final	654	12	1950	2050	<0.01 f/cc`

LOCATION: **Fifth Floor - Mechanical Room**

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

LOCATION:

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

LOCATION:

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

LOCATION:

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

WEB ENVIRONMENTAL GROUP

Date 3/8/99
Job No.
Job Name New Executive Office Building
Page 1 of

Time	Remarks — DAILY LOG SHEET
1900	Industrial Hygienist, Howell Hurtt arrives on site. T&P Engineering has 2 asbestos
	certified workers and 1 supervisor.
1915	I pre calibrate a personal air pump and put it out on Joshua Malonado.
	T&P Engineering suits up sets up glovebag and begins removing 2 ft section
	of ceiling
1945	I pull + post calibrate personal air sample from Joshua Malonado.
1950	Put out final air test for Mechanical Room on floor 5R.
2000	Put out two ~~[illegible]~~ background lead test in elevator lobbies on B_1 + B_2 in NEOB.
2050	Pull + post calibrate final air test
2100	Read + pass final air test sample using phase contrast microscope.
[illegible]	Pull + post calibrate 2 ~~[illegible]~~ background lead tests in elevator lobbies B_1 + B_2 in
	NEOB
2130	Pack up equipment and leave job site.

EXHIBIT A

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building, Project: 990056 ACT# P72693157

Location: Mechanical Room - Fifth Floor Date: 03/08/99

Removal Contractor: T & P Engineering Time Inspected: 1900

Monitoring Contractor: WEB Environmental Group Time work started: 1900

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

GSA ASBESTOS ABATEMENT START -UP CHECKLIST (BACK)

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

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Harold Hurtt Date: 03/08/99

EXHIBIT B
GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project No 990056/ACT#P72693157

Location: Fifth Floor Mechanical Room Date 03/08/99

Removal Contractor: T & P Engineering Time started: 1900

Monitoring Contractor: WEB Environmental Group Time Stopped: 1945

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
1. Work site Isolation	a. Perimeter barrier	YES	
	b. Decontamination curtains	YES	
	c. Negative pressure Glovebag project	N/A	
	d. Seals around ducts, windows and doors	YES	
	e. "Negative air machine" in use	N/A	
	f. Negative pressure > 0.02"	N/A	
2. Signs	a. Caution sign 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 START -UP CHECKLIST (BACK)

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

Field Notes:

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

_____
_____
_____
_____

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: Harold Hurtt Date: 03/08/99

EXHIBIT C

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: New Executive Office Building Project: 990056 ACT#P72693157

Location: Fifth Floor Mechanical Room Date:: 03/08/99

Removal Contractor: T & P Engineering Time Inspected: 1950

Monitoring Contractor: WEB Environmental Group Time Completed: 2050

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

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

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

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

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

FINAL AIR SAMPLING:

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

Sample Number:	02			
Location:	Mechincal Room			
Volume (Liters):	720			
Flow rate: (Liters/Minute)	12			
Fibers/Filter:	11			
Fibers/Cubic Cm:	<0.001			

ANALYSTS ANALYZING SAMPLING: Harold Hurtt DATE: 03/08/99

Field Notes:

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

REPORT PREPARED BY: Harold Hurtt **DATE:** 03/08/99

REPORT REVIEWED BY: **Eric Butler** **DATE:** **03/08/99**

WEB ENVIRONMENTAL GROUP

LEAD

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#**990056/ACT# P72693157

INDUSTRIAL HYGIENIST Harold Hurtt **DATE** 03/08/99

ABATEMENT CONTRACTOR _____

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Background	900	10	2000	2100	see attach

LOCATION: **Elevator Lobby B-1**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Background	720	10	2000	2100	see attach

LOCATION: **Elevator Lobby - B-2**

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

LOCATION:

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

LOCATION:

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

LOCATION:

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

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#** 990056/ACT#P72693157

INDUSTRIAL HYGIENIST Tijan N'jie **DATE** 03/13/99

ABATEMENT CONTRACTOR Southern Insulation

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Background	900	12	1050	1150	see attach

LOCATION: **Third Floor, Unit 4**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Background	700	12	1100	1200	see attach

LOCATION: **Fourth Floor, Unit 4**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Background	900	12	1155	1255	see attach

LOCATION: **Fifth Floor, Unit 4**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Background	700	12	1205	1305	see attach

LOCATION: **Sixth Floor, Unit 4**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Background	900	12	1300	1400	see attach

LOCATION: **Seventh Floor, Unit 4**

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

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#**990056/ACT# P72693157

INDUSTRIAL HYGIENIST Tijan N'jie **DATE** 03/13/99

ABATEMENT CONTRACTOR Southern Insulation

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Background	700	12	1310	1410	see attach

LOCATION: **Eight Floor, Unit 4**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Background	900	12	1405	1505	see attach

LOCATION: **Ninth Floor, Unit 4**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
08	Background	700	12	1415	1515	see attach

LOCATION: **Tenth Floor, Unit 4**

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

LOCATION:

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

LOCATION:

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

WEB ENVIRONMENTAL GROUP

Date 3 13 99
Job No.
Job Name New Executive Office Bldg
Page 1 of 2

Time	Remarks — DAILY LOG SHEET
	Mike Serieter 21[illegible]
	Lino Cressotti 21[illegible] 74 2252
06:30	Start up, signed in, Mike & Lino brought in supplies, while escorts for project is being located.
07:00	Escort assigned, mike start prepping area in front of elevator #4 on level B2
08:15	Prep done on #4 level B2, crew starts applying peel-away 1 on door frame and transium.
09:00	Elevator door jam and transium done & covered with prescribed paper, crew moves down to B1 unit 4 to prep, apply peel-away, then cover with vapor barrier paper.
9:45	B1 unit 4 treated and covered crew moves up to 4th floor, to repeat exercise, again on unit 4.
10:30	Application of peel-away done, covered with paper, then crew takes lunch.
10:50	Start Background sampling on 3rd floor
11:00	Crew resumes work on 3rd floor, elevator unit 4, prepped, applied peel-away, then covered with paper.
11:40	Crew moves up to fifth floor, to repeat exercise on elevators door jam
11:50	Stopped pump on level 3, removed & labelled air sample cassette.
11:55	Started air sampling pump on 5th floor, unit 4 after changing cassette
12:00	Stop pump on level 4, retrieved & labelled cassette then move pump to level 6, unit 4, to again get background air samples.
12:25	Crew done with unit 4 on 5th floor, clean-up move, supplies & equipment up to 6th floor.

WEB ENVIRONMENTAL GROUP

Date 3 13 99
Job No.
Job Name New Executive Bldg
Page 2 of 2

Time	Remarks DAILY LOG SHEET
1330	6th floor, unit 4, completed, papered, crew gathers supplies and head up to 7th floor. ~~Crew splits-up~~ Crew splits-up with Mike heading up to 8th floor.
1425	Both 7th + 8th floors done and papered crew then proceeds up to 9th + 10th floors to again apply peel-away compound
1530	9th + 10th floor on unit 4 door jam + transom done, background air samples also completed and left building

EXHIBIT A

GSA LEAD ABATEMENT START-UP CHECKLIST

Building: New Executive Office Building
Elevators Unit 4 - B2, B1, 3rd, 4th
Location: 5th, 6th, 7th, 8th, 9th, & 10th Floors

Project: 990056/ACT#P72693157

Date: 03/13/99

Removal Contractor: Southern Insulation

Time Inspected: 0730

Monitoring Contractor: WEB Environmental Group

Time work started: 0735

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

GSA LEAD ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	Yes	_____
	e. Material kept wet until bagged	Yes	_____
3. Worker protection	a. Disposable clothing used one time	Yes	_____
	b. Proper NIOSH respirators (half face)	Disp Yes HEPA Yes Paper 1/2 wide TYPE "C"	_____ _____ _____ _____
	c. Proper decontamination sequence followed	Yes	_____
4. Showers	a. Functioning?	N/A	_____
	b. Soap and towels?	N/A	_____
	c. Used each departure?	N/A	_____
5. Work habits in Work area	a. No smoking	Yes	_____
	b. Eating/drinking	Yes	_____

Field Notes:

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

_____
_____
_____
_____

GSA LEAD ABATEMENT MONITORING CHECKLIST

Report Prepared By: T'ijan N'jie Date: 03/13/99

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#**990056/ACT P72693157

INDUSTRIAL HYGIENIST Tjan N'jie **DATE** 03/15/99

ABATEMENT CONTRACTOR Southern Insulation

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Outside	900	2.5	1845	1945	see attach

LOCATION: **Unit 4, B-2**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESOULT
02	Personal	52	2.5	1845	1925	see attach

LOCATION: **Sheldon Turner Unit 4, B-2**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Personal	52	2.5	2015	2100	see attach

LOCATION: **Sheldon Turner - Unit 4, B-1**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Outside	900	2.5	2015	2100	see attach

LOCATION: **Unit 4, B-1**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Personel	52	2.5	2135	2225	see attach

LOCATION: **Sheldon Turner - Unit 4, Third Floor**

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

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT** 990056/ACT # P72693157

INDUSTRIAL HYGIENIST Tijan N'jie **DATE** 03/15/98

ABATEMENT CONTRACTOR Southern Insulation

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Outside	900	2.5	2135	2335	see attach

LOCATION: Unit 4, Third Floor

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Personal	52	2.5	2315	0005	see attach

LOCATION: Sheldon Turner - Unit 4, Third Floor

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
08	Outside	900	2.5	2315	0005	see attach

LOCATION: Unit 4, Fourth Floor

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
09	Personal	52	2.5	0035	0125	see attach

LOCATION: Sheldon Turner - Unit 4, Fifth Floor

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
10	Outside	900	2.5	0035	0125	see attach

LOCATION: Unit 4, Fifth Floor

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

WEB ENVIRONMENTAL GROUP

Date 3 15 99
Job No.
Job Name New Executive Office Bldg
Page 1 of 2

Time	Remarks DAILY LOG SHEET
	Mike Seneter 219 548 700
	Sheldon Turner 578 943 697
	Pete Ruel 264 08 7585
18:30	Set up air sample pumps on level B3, as crew bring in equipment tools + supplies.
18:45	Drop cloth spread, abatement begins, pumps turned on, almost immediately determined, that peel away compound had been applied too thinly, and that a second application will be necessary.
19:25	All gross debris off, door jam, transom, and header washed clean with plain water, wiped dry, then second application done, covered & taped.
20:15	Moved pumps to unit 4, on B1 level, where crew spread out new poly sheet drop cloth, then proceeded to do gross removal.
21:00	Gross off, abated areas, wash down, inspected, & was concluded a second application of peel away was needed, therefore a reapplication was done, then covered with prescribed and taped.
21:35	Relocated pumps to 3rd floor, unit 4, as crew prepare to do removal.
22:25	Upon completion of abatement & wash down, again due to insufficient compound originally applied, a second coating was ~~in order~~ done
22:30	Lunch
23:15	Pumps on, on 4th floor, crew goes on about with abatement.
00:05	After removal of gross, and wash down & inspection, again a second application was needed, done covered & taped
00:35	Moved up to 5th floor unit 4, repeated exercise to removal & reapplication.

WEB ENVIRONMENTAL GROUP

Date 3 15 99
Job No.
Job Name New Executive office Bldg
Page 2 of 2

Time	Remarks DAILY LOG SHEET
01:25	Abateable areas on door jam, transom & hewed
	done, washed down, then a second coating of
	peel away was applied, papered and taped.
01:30	Crew starts cleaning all areas that had been
	worked on i.e. B2, B1, 3rd, 4th & 5th floor in front of elevator
	1 & 2
03:30	Shift over, walked through from B2 to 5th floor with
	G.C. rep, liked what he saw, left for day
	6:00 pm - 3:30 am = 8 hrs.

EXHIBIT B
GSA LEAD ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: 990056/ACT# P72693157

Location: Elevator 4, B2, B1, 3rd, 4th & 5th Floors Date: 03/15/99

Removal Contractor: Southern Insulation Time started: 1845

Monitoring Contractor: WEB Environmental Group Time Stopped: 0125

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

GSA LEAD ABATEMENT START -UP CHECKLIST (BACK)

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

Field Notes:

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

_____
_____
_____
_____

GSA LEAD ABATEMENT MONITORING CHECKLIST

Report Prepared By: Tijan T'jie Date: 03/15/99

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#** 990056/ACT#P72693157

INDUSTRIAL HYGIENIST Tijan N'jie **DATE** 03/16/99

ABATEMENT CONTRACTOR Southern Insulation

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Personel	52	2.5	1825	1910	see attach

LOCATION: **Sheldon Turner - Unit 4, Sixth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Outside	900	2.5	1825	1910	see attach

LOCATION: **Unit 4 - Sixth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Personal	52	2.5	1925	2020	see attach

LOCATION: **Unit 4, Seventh Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Outside	900	2.5	1925	2020	see attach

LOCATION: **Unit 4, Seventh Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Personal	52	2.5	2110	2130	see attach

LOCATION: **Sheldon Turner - Unit 4, Eight Room**

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

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#**990056/ACT# P72693157

INDUSTRIAL HYGIENIST Tijan N'jie **DATE** 03/16/99

ABATEMENT CONTRACTOR Southern Insulation

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Outside	900	2.5	2110	2130	see attach

LOCATION: **Eight Floor, Unit 4**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Personal	52	2.5	2230	2315	see attach

LOCATION: **Sheldon Turner - Ninth Floor, Unit 4**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
08	Outside	900	2.5	2230	2315	see attach

LOCATION: **Ninth Floor, Unit 4**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
09	Personal	52	2.5	0015	0200	see attach

LOCATION: **Sheldon Turner - Unit 4. Tenth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
10	Outside	900	2.5	0015	0200	see attach

LOCATION: **Unit 4, Tenth Floor**

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

WEB ENVIRONMENTAL GROUP

Date 3/16/99
Job No.
Job Name New Executive Bldg
Page 1 of 2

Time	Remarks DAILY LOG SHEET
	Sheldon Turner 578-94-3694
	Pete Ruel 264-08-7585
18:00	Set-up pumps on 6th floor, unit 4, as crew bring up tools & materials.
18:25	Start pumps as workers begin removal, even though peel-away compound had been left on an extra day the results were the same as the others done the day before, there was enough paint still on surfaces, to were a second coating was neccessary.
19:10	After washing off residue, reapplication of peel-away was done, supervisor was advised to clean work areas up as work proceeds so as not to rush clean-up at end of day.
19:25	Level 6 done, crew moved up to 7th floor, unit 4. Crew run into some filling compounds used to fill in dimples & scratches in metal, which was proving difficult to remove
20:20	Gross removal & wash down completed, crew putting on second coating of peel away.
21:00	Transferred pumps to level 8, after changing & labelling air sampling cassettes. For reason unknown paint on unit 4 on 8th floor comming off well, but minor reapplication required
21:30	Abated areas washed down and peel away applied in needed spots.
22:00	Lunch break.
22:30	Back to on unit 4, on 9th floor, pumps again turned on. Again large patches appear almost unaffected by peel-away, as most of compound had dried up i.e stopping chemical reaction.
23:50	Gross removal done & washed down, second coating of peel-away compound being done.

WEB ENVIRONMENTAL GROUP

Date 3 16 99
Job No.
Job Name New Executive Office Bldg
Page 2 of 2

DAILY LOG SHEET

Time	Remarks
23.55	Moved up to 10th floor, unit 4, set up pumps, while crew brings up tool, equipment & supplies.
0015	Crew in p.p.e, proceed with abatement,
01.00	Gross off & washed, area since crew on ahead of schedule, supervisor decides to spend rest of time getting unit 4, 10th fl as close to being completed as possible.
02.30	End of work day
	18.00 – 02.30 = 8hrs.

EXHIBIT B
GSA LEAD ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: 990056/ACT# P72693157

Location: Elevator 4; 6th, 7th 8th, 9th & 10th Floors Date: 03/16/99

Removal Contractor: Southern Insulation Time started: 1825

Monitoring Contractor: WEB Environmental Group Time Stopped: 0200

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

GSA LEAD ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators (half face)	Disp ____ HEPA_1/2 Face Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA LEAD ABATEMENT MONITORING CHECKLIST

Report Prepared By: Tijan T'jie Date: 03/16/99

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#** 990056/ACT#P72693157

INDUSTRIAL HYGIENIST Tijan N'jie **DATE** 03/17/99

ABATEMENT CONTRACTOR Southern Insulation

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Outside	900	2.5	1830	2010	see attach

LOCATION: **- Unit 4, Tenth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Personal	52	2.5	1830	2010	see attach

LOCATION: **Sheldon Turner - Unit 4, Tenth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Outside	900	2.5	2020	2230	see attach

LOCATION: **Unit 4, Ninth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Personal	52	2.5	2020	2230	see attach

LOCATION: **Sheldon Turner - Unit 4, Ninth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Outside	900	2.5	2300	0035	see attach

LOCATION: **Unit 4, Eight Room**

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

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#**990056/ACT# P72693157

INDUSTRIAL HYGIENIST Tijan N'jie **DATE** 03/17/99

ABATEMENT CONTRACTOR Southern Insulation

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Personal	52	2.5	2300	2335	see attach

LOCATION: **Peter Ruel - Eight Floor, Unit 4**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Outside	900	2.5	0045	0255	see attach

LOCATION: **Seventh Floor, Unit 4**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
08	Personal	52	2.5	0045	0255	see attach

LOCATION: **Peter Ruel - Seventh Floor, Unit 4**

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

LOCATION:

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

LOCATION:

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

WEB ENVIRONMENTAL GROUP

Date 3 17 99
Job No.
Job Name New Executive Office Bldg
Page 1 of 2

Time	Remarks — DAILY LOG SHEET
	Sheldon Turner 578943697
	Pete Ruel 26408 7585
18.00	Met with General Contractors representative and abatement supervisor, to discuss, what approach options were to be used, to best keep project on track, it was decided to start on 10th floor and work our way back down to B2.
18.30	Crew in p.p.e start on unit 4, on 10th floor, removing on reapplied areas, with gross off, workers took to hand scraping of spots were peel-away had be ineffective.
19.20	After washing down unit 4 on 10th fl down with H_2O, we again got together to access mitigation, i.e. how clean were elevators jams to be delivered, at which time I informed them that no visible depris, chips, spots can be left on substrat upon completion.
19.40	Abatement sup. decided to reapply on a few spots, as scraping was not doing it fast enough, after which they got their stuff together and moved down to 9th floor.
[illegible]	
20.20	Start pumps on 9th floor, workers suit up and went to work on Unit 4, again quite a few spots almost unaffected by peel-away and had to be reapplied. Given the pace at which fine cleaning was comming along, it was decided an extra day would be needed to complete project properly.
22.30	Lunch break.
23.00	Back to work on unit 4, on 8th floor, scraping away previously applied peel-away compound, only to face same problem as first two done i.e 10th + 9th fl.
0010	With scrapers beginning to leave marks + scratches on metal, to finish with least damage to substrate it would be best if spots remained, by scraping, and it difficult to remove, to reapply peel-away compounds

WEB ENVIRONMENTAL GROUP

Date 3 14 99
Job No.
Job Name New Executive office bldg
Page 2 of 2

Time	Remarks DAILY LOG SHEET
	then reinsit later during shift or do tomorrow.
0035	Reapplication complete on unit 4, 8th floor,
	Crew moves down to 4th floor. At this point it was
	decided because of time constraints, to finish removal
	and reapplication on 4th floor, ~~an~~ then call it a night.
02.07	Unit 4, on 4th floor on for has least areas to be
	retreated, given ~~[illegible]~~ situation, crew decides to
	totally complete, get visual okay as to how clean surfaces
	had to be i.e to establish benchmark for rest of floors.
02.45	After visual inspection, unit 4 on 4th floor passes, benchmark
	established, left for day
	18-00hrs — 03.00hrs = 8½ hrs.

EXHIBIT B
GSA LEAD ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: 990056/ACT# P72693157

Location: Elevator 4; 6th, 7th 8th, 9th & 10th Floors Date: 03/17/99

Removal Contractor: Southern Insulation Time started: 1830

Monitoring Contractor: WEB Environmental Group Time Stopped: 0200

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

GSA LEAD ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators (half face)	Disp ____ HEPA_1/2 Face Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA LEAD ABATEMENT MONITORING CHECKLIST

Report Prepared By: Tijan T'jie Date: 03/17/99

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#** 990056/ACT#P72693157

INDUSTRIAL HYGIENIST Tijan N'jie **DATE** 03/18/99

ABATEMENT CONTRACTOR Southern Insulation

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
01	Outside	900	2.5	1815	2030	see attach

LOCATION: **Unit 4, Sixth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
02	Personal	52	2.5	1815	2030	see attach

LOCATION: **Sheldon Turner, Unit 4 - Sixth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
03	Outside	900	2.5	2039	2150	see attach

LOCATION: **Unit 4, Fifth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
04	Personal	52	2.5	2039	2150	see attach

LOCATION: **Sheldon Turner, Unit 4 Fifth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
05	Outside	900	2.5	2210	2305	see attach

LOCATION: **Unit 4 - Fourth Room**

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

WEB ENVIRONMENTAL GROUP

AIR SAMPLE DATA SHEET

PROJECT NAME New Executive Office Building **PROJECT#**990056/ACT# P72693157

INDUSTRIAL HYGIENIST Tijan N'jie **DATE** 03/18/99

ABATEMENT CONTRACTOR Southern Insulation

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
06	Personal	52	2.5	2200	2305	see attach

LOCATION: **Sheldon Turner, Unit 4 - Fourth Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
07	Outside	900	2.5	2315	0023	see attach

LOCATION: **Unit 4 - Thrid Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
08	Personal	52	2.5	2315	0023	see attach

LOCATION: **Sheld Turner, Unit 4 - Third Floor**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
09	Outside	900	2.5	0100	0143	see attach

LOCATION: **Unit 4 - Level B-2**

SAMPLE NO.	SAMPLE TYPE	PUMP NO.	FLOW	TIME ON	TIME OFF	RESULT
10	Personal	52	2.5	0100	0143	see attach

LOCATION: **Sheldon Turner, Unit 4 - Level B-2**

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

WEB ENVIRONMENTAL GROUP

Date 3 18 99
Job No.
Job Name New Executive Office bldg.
Page 1 of 2

Time	Remarks DAILY LOG SHEET
	Seldon Turner 578-94-3697
	Pete Ruel 264-08-7585
18.00	Arrived on work site, crew already on hand, set up on 6th floor unit 4, pumps set up as fine cleaning continues. This floor proving a little tough, but given this is last day of project, abatement had to be completed by hand scraping as there was no time for reapplications.
20.15	Unit 4, on 6th floor completed, inspected, crew moves down to 5th floor, unit 4.
21.00	Given that ~~two~~ from floors 5 to B2 had triple application, I was surprised that hardly any residue remained after last coat of peel away was taken off.
21.50	Crew moves down to 4th floor unit 4, to repeat ~~exercise~~ exercise, all spots comming easily
22.00	Again remaining area comming off easy, wash down ~~and~~, neutralized, then floor area vacumed wet wiped, inspected and passes.
23.15	Work on 3rd floor, unit 4, started, pumps set-up, again, assured by supervisor, they will be completed with that unit in about an hour then take a half hour break
01.00	Back from lunch, work on B2, which presents no problems, informed crew to complete last two units then start back on 10 floor and work their way back down to 8th floor.
01.40	Level B2, unit 4 completed, crew moves down to B1 to repeat exercise, at this point it was apparent that the third application was neccessary to reduce scraping with attimes damages metal surfaces if worker not careful.

WEB ENVIRONMENTAL GROUP

Date 3 18 99
Job No.
Job Name New Executive Office bldg
Page 2 of 2

Time	Remarks DAILY LOG SHEET
02.00	Personal on unit 4, 10th floor, which gets done in no time, then move down to 9th floor and shortly after that to 8th floor.
3.10	With all work completed and all abated surfaces wiped down with solution of T.S.P wipe samples were taken when surfaces got dry.

EXHIBIT B
GSA LEAD ABATEMENT MONITORING CHECKLIST

Building: New Executive Office Building Project: 990056/ACT# P72693157

Location: Elevator 4; B1, B2, 3rd, 4th, 5th & 6th Floors Date: 03/18/99

Removal Contractor: Southern Insulation Time started: 1815

Monitoring Contractor: WEB Environmental Group Time Stopped: 0345

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

GSA LEAD ABATEMENT START -UP CHECKLIST (BACK)

Inspection Category	Activity to be checked	Within Limits	Problems Encountered
	d. HEPA Vacuum in use	YES	_____
	e. Material kept wet until bagged	YES	_____
4. Worker protection	a. Disposable clothing used one time	YES	_____
	b. Proper NIOSH respirators (half face)	Disp ____ HEPA_1/2 Face Paper_____ TYPE "C"____	_____ _____ _____ _____
	c. Proper decontamination sequence followed	YES	_____
5. Showers	a. Functioning?	YES	_____
	b. Soap and towels?	YES	_____
	c. Used each departure?	YES	_____
6. Work habits in Work area	a. No smoking	YES	_____
	b. Eating/drinking	YES	_____

Field Notes:

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

_____
_____
_____
_____

GSA LEAD ABATEMENT MONITORING CHECKLIST

Report Prepared By: Tijan T'jie Date: 03/17/99

EXHIBIT C

GSA FINAL INSPECTION OF LEAD ABATEMENT PROJECT

Building: New Executive Office Building B-1, B-2, 3rd, 4th, 5th 6th Project: 990056ACT#P72693157

Location: Elevator 4 - 7th, 8th, 9th & 10th Floors Date:: 03/18/99

Removal Contractor: Southern Insulation Inc. Time Inspected: 0300

Monitoring Contractor: WEB Environmental Group Time Completed: 0345

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

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

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

GSA FINAL INSPECTION OF LEAD ABATEMENT PROJECT (BACK)

BULK SAMPLES:

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

FINAL AIR SAMPLING:

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

Sample Number:	N/A	_____	_____	_____
Location:	N/A	_____	_____	_____
Volume (Liters):	N/A	_____	_____	_____
Flow rate: (Liters/Minute)	N/A	_____	_____	_____
Fibers/Filter:	N/A	_____	_____	_____
Fibers/Cubic Cm:	N/A	_____	_____	_____

ANALYSTS ANALYZING SAMPLING: Tijan N'jie DATE: 03/18/99

Field Notes:

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

_____
_____
_____
_____
_____

REPORT PREPARED BY: Tijan N'jie **DATE: 03/18/99**

REPORT REVIEWED BY: Eric W. Butler **DATE: 03/18/99**

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Air Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

EPA Method SW-846, 7420

Report Number **990331055**

Account Number: **11-0212**
Client Name: Web Environmental
Address: 9440 Pennsylvania Ave.
Upper Marlboro MD 20772

Project: New Executive Office Bldg

Date Collected: 30899
Date Received: 33199
Date Analyzed: 40199
Date Reported: 40199

METS Sample	Client Sample ID/ Location	Air Total Pb ug	Volume	Pb ug/m 3
990331055-001	1 Elevator Lobby B-1	< 1.0	600	< 1.666
990331055-002	2 Elevator Lobby B-2	< 1.0	600	< 1.666

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
Method Detection Limit MDL) For Total Lead Is 1.0 ug. (<) Indicates Less Than (MDL).

Reviewed By: M. Metzger

Reviewed By: Maria P. Perez, Quality Control

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Air Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

EPA Method SW-846, 7420

Report Number **990331020**

Account Number: **11-0212**
Client Name: Web Environmental
Address: 9440 Pennsylvania Ave.
Upper Marlboro MD 20772

Project: New Executive Office Bldg

Date Collected: 31399
Date Received: 33199
Date Analyzed: 40199
Date Reported: 40199

METS Sample	Client Sample ID/ Location	Air Total Pb ug	Volume	Pb ug/m 3
990331020-001	1 3rd Floor Unit 4	< 1.0	720	< 1.388
990331020-003	3 5th Floor Unit 4	< 1.0	720	< 1.388
990331020-004	4 6th Floor Unit 4	< 1.0	720	< 1.388
990331020-005	5 7th Floor Unit 4	< 1.0	720	< 1.388
990331020-006	6 8th Floor Unit 4	< 1.0	720	< 1.388
990331020-007	7 9th Floor Unit 4	< 1.0	720	< 1.388
990331020-008	8 10th Floor Unit 4	< 1.0	720	< 1.388

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
Method Detection Limit MDL) For Total Lead Is 1.0 ug. (<) Indicates Less Than (MDL).

Reviewed By: M. Metzger

Reviewed By: Maria R. Perez, Quality Control

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Air Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

EPA Method SW-846, 7420

Report Number **990331061**

Account Number: **11-0212**
Client Name: Web Environmental
Address: 9440 Pennsylvania Ave.
Upper Marlboro MD 20772

Date Collected: 31599
Date Received: 33199
Date Analyzed: 40199
Date Reported: 40199

Project: New Executive Office Bldg

METS Sample	Client Sample ID/ Location	Air Total Pb ug	Volume	Pb ug/m 3
990331061-001	1 Outside,Unit 4 B-2	< 1.0	100	< 10
990331061-002	2 Personal Sheldon Turner Unit 4,B-2	< 1.0	100	< 10
990331061-003	3 Personal Sheldon Turner B-1	< 1.0	112.5	< 8.888
990331061-004	4 Outside,B-1	< 1.0	112.5	< 8.888
990331061-005	5 Personal Sheldon Turner 3rd FL	< 1.0	125	< 8
990331061-006	6 Outside,3rd FL	< 1.0	125	< 8
990331061-007	7 Personal Sheldon Turner 4th FL	< 1.0	125	< 8
990331061-008	8 Outside 4th FL	< 1.0	125	< 8
990331061-009	9 Personal Sheldon Turner 5th FL	< 1.0	150	< 6.666

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
Method Detection Limit MDL) For Total Lead Is 1.0 ug. (<) Indicates Less Than (MDL).

Reviewed By:
M. Metzger

Reviewed by:
Maria P. Perez, Quality Control

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Air Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

EPA Method SW-846, 7420

Report Number **990331061**

Account Number:	**11-0212**	**Date Collected:**	31599
Client Name:	Web Environmental	**Date Received:**	33199
Address:	9440 Pennsylvania Ave.	**Date Analyzed:**	40199
	Upper Marlboro MD 20772	**Date Reported:**	40199
Project:	New Executive Office Bldg		

METS Sample	Client Sample ID/ Location	Air Total Pb ug	Volume	Pb ug/m 3
990331061-010	10 Outside 5th FL	< 1.0	150	< 6.666

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
Method Detection Limit MDL) For Total Lead Is 1.0 ug. (<) Indicates Less Than (MDL).

Reviewed By: M. Metzger

Reviewed by: Maria P. Perez, Quality Control

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Air Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

EPA Method SW-846, 7420

Report Number 990331058

Account Number: 11-0212
Client Name: Web Environmental
Address: 9440 Pennsylvania Ave.
Upper Marlboro MD 20772

Project: New Executive Office Bldg Elevator #4

Date Collected: 31699
Date Received: 33199
Date Analyzed: 40199
Date Reported: 40199

METS Sample	Client Sample ID/ Location	Air Total Pb ug	Volume	Pb ug/m 3
990331058-001	1 Personal Sheldon Turner 6th FL	< 1.0	113	< 8.849
990331058-002	2 Outside 6th FL	< 1.0	113	< 8.849
990331058-003	3 Personal Sheldon Turner 7th FL	< 1.0	138	< 7.246
990331058-004	4 Outside 7th FL	< 1.0	138	< 7.246
990331058-005	5 Personal Sheldon Turner 8th FL	< 1.0	50	< 20
990331058-006	6 Outside 8th FL	< 1.0	50	< 20
990331058-007	7 Personal Sheldon Turner 9th FL	< 1.0	113	< 8.849
990331058-008	8 Outside 9th FL	< 1.0	113	< 8.849
990331058-009	9 Personal Sheldon Turner 10th FL	< 1.0	263	< 3.802

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
Method Detection Limit (MDL) For Total Lead Is 1.0 ug. (<) Indicates Less Than (MDL).

Reviewed By:

Reviewed by: Maria P. Perez, Quality Control

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
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Fax#: 301.870.1701

Lead Air Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

EPA Method SW-846, 7420

Report Number 990331058

Account Number:	11-0212	Date Collected:	31699
Client Name:	Web Environmental	Date Received:	33199
Address:	9440 Pennsylvania Ave.	Date Analyzed:	40199
	Upper Marlboro MD 20772	Date Reported:	40199
Project:	New Executive Office Bldg Elevator #4		

METS Sample	Client Sample ID/ Location	Air Total Pb ug	Volume	Pb ug/m 3
990331058-010	10 Outside 10th FL	< 1.0	263	< 3.802

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
Method Detection Limit MDL) For Total Lead Is 1.0 ug. (<) Indicates Less Than (MDL).

Reviewed By: M. Metzger

Reviewed by: Maria P. Perez, Quality Control

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Air Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

EPA Method SW-846, 7420

Report Number 990331057

Account Number: 11-0212
Client Name: Web Environmental
Address: 9440 Pennsylvania Ave.
Upper Marlboro MD 20772

Project: New Executive Office Bldg Elevator 4

Date Collected: 31799
Date Received: 33199
Date Analyzed: 40199
Date Reported: 40199

METS Sample	Client Sample ID/ Location	Air Total Pb ug	Volume	Pb ug/m 3
990331057-001	1 Outside 10th FL	< 1.0	250	< 4
990331057-002	2 Personal Sheldon Turner 10th FL	< 1.0	250	< 4
990331057-003	3 Outside 9th FL	< 1.0	325	< 3.077
990331057-004	4 Personal Sheldon Turner 9th FL	< 1.0	325	< 3.077
990331057-005	5 Outside 8th FL	< 1.0	238	< 4.201
990331057-006	6 Personal Pete Ruel 8th FL	< 1.0	88	< 11.363
990331057-007	7 Outside 7th FL	< 1.0	325	< 3.077
990331057-008	8 Personal Pete Ruel 7th FL	< 1.0	325	< 3.077

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
Method Detection Limit MDL) For Total Lead Is 1.0 ug. (<) Indicates Less Than (MDL).

Reviewed By: M. Metzger

Reviewed by: Maria P. Perez, Quality Control

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Air Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

EPA Method SW-846, 7420

Report Number 990331056

Account Number: 11-0212
Client Name: Web Environmental
Address: 9440 Pennsylvania Ave.
Upper Marlboro MD 20772

Project: New Executive Office Bldg Elevator 4

Date Collected: 31899
Date Received: 33199
Date Analyzed: 40199
Date Reported: 40199

METS Sample	Client Sample ID/ Location	Air Total Pb ug	Volume	Pb ug/m 3
990331056-001	1 Outside 6th FL	< 1.0	338	< 2.958
990331056-002	2 Personal Sheldon Turner 6th FL	< 1.0	338	< 2.958
990331056-003	3 Outside 5th FL	< 1.0	178	< 5.617
990331056-004	4 Personal Sheldon Turner 5th FL	< 1.0	178	< 5.617
990331056-005	5 Outside 4th FL	< 1.0	163	< 6.134
990331056-006	6 Personal Sheldon Turner 4th FL	< 1.0	163	< 6.134
990331056-007	7 Outside 3rd FL	< 1.0	170	< 5.882
990331056-008	8 Personal Sheldon Turner 3rd FL	< 1.0	170	< 5.882
990331056-009	9 Outside Level B-2	< 1.0	108	< 9.259

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
Method Detection Limit MDL) For Total Lead Is 1.0 ug. (<) Indicates Less Than (MDL).

Reviewed By: M. Metzger

Reviewed by: Maria P. Perez, Quality Control

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Air Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

EPA Method SW-846, 7420

Report Number **990331056**

Account Number:	**11-0212**	**Date Collected:**	31899
Client Name:	Web Environmental	**Date Received:**	33199
Address:	9440 Pennsylvania Ave.	**Date Analyzed:**	40199
	Upper Marlboro MD 20772	**Date Reported:**	40199
Project:	New Executive Office Bldg Elevator 4		

METS Sample	Client Sample ID/ Location	Air Total Pb ug	Volume	Pb ug/m 3
990331056-010	10 Personal Sheldon Turner Level B-2	< 1.0	108	< 9.259

The Federal Action Level For Lead In Air Is (30.0 ug/m3).
Method Detection Limit MDL) For Total Lead Is 1.0 ug. (<) Indicates Less Than (MDL).

Reviewed By: M. Metzger

Reviewed by: Maria P. Perez, Quality Control

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Dust Wipe Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

Method EPA SW-846, 7420

Report Number 990320001

Account Number:	11-0212	**Date Collected:**	31899
Client Name:	Web Environmental	**Date Received:**	32099
Address:	9440 Pennsylvania Ave.	**Date Analyzed:**	32299
	Upper Marlboro MD 20772	**Date Reported:**	32299
Project:	NEOB		

METS Sample	Location/ Client Sample ID	Surface		Total Pb ug
990320001-001	Unit 4, B2	Wall		27.7
990320001-002	Unit 4, B1	Wall		9.3
990320001-003	Unit 4, 3rd Floor	Wall	<	5.0
990320001-004	Unit 4 ,4th Fl	Wall	<	5.0
990320001-005	Unit 4, 5th Fl	Wall		9.1
990320001-006	Unit 4, 6th Fl	Wall		8.05
990320001-007	Unit 4, 7th Fl	Wall		6.45
990320001-008	Unit 4, 8th Fl	Wall		6.45
990320001-009	Unit 4, 9th Fl	Wall		5.1

Federal lead guidelines for leaded dust clearance levels by wipe sampling; Floors(FL) - 100ug/ftsq, interior Window Sills(SL) - 500 ug/ftsq Window Wells(WW) - 800 ug/ftsq, Exterior Concrete Surfaces - 800 ug/ftsq. *MD lead levels for wipe sampling on floors is 200ug/ftsq.
(MDL) Minimum Detection Limit is 5.0ug Total Pb. (<) signs indicate less than (MDL)

M. Metzger

METS Laboratories
179 Smallwood Village Center, Waldorf Maryland 20602

Metro: 301.870.1995
Toll Free: 800.604.1995
Fax#: 301.870.1701

Lead Dust Wipe Analysis Report

NLLAP / AIHA ELLAP #21506, NY ELAP #11603

Method EPA SW-846, 7420

Report Number **990320001**

Account Number:	11-0212	**Date Collected:**	31899
Client Name:	Web Environmental	**Date Received:**	32099
Address:	9440 Pennsylvania Ave.	**Date Analyzed:**	32299
	Upper Marlboro MD 20772	**Date Reported:**	32299
Project:	NEOB		

METS Sample	Location/ Client Sample ID	Surface	Total Pb ug
990320001-010	Unit 4 ,10th Fl	Wall	< 5.0

Federal lead guidelines for leaded dust clearance levels by wipe sampling; Floors(FL) - 100ug/ftsq, interior Window Sills(SL) - 500 ug/ftsq Window Wells(WW) - 800 ug/ftsq, Exterior Concrete Surfaces - 800 ug/ftsq. *MD lead levels for wipe sampling on floors is 200ug/ftsq.
(MDL) Minimum Detection Limit is 5.0ug Total Pb. (<) signs indicate less than (MDL)

GSA

GSA National Capital Region - Public Buildings Service
Safety, Environment & Fire Protection Branch (WPYG)

SEPTEMBER 20, 2000

MEMORANDUM TO: KERRY BONOS
WHITE HOUSE SDT (WPW)

FROM: TIM SLEETH, INDUSTRIAL HYGIENIST
SAFETY, ENVIRONMENTAL AND FIRE PROTECTION BRANCH (WPYG)

SUBJECT: NEW EXECUTIVE OFFICE BUILDING
THIRD FLOOR
725 17TH ST., NW
WASHINGTON, DC

PROJECT: ASBESTOS ABATEMENT MONITORING

From August 14th through August 19th, 2000, SaLUT, Inc. monitored the abatement of known asbestos-containing materials (ACMs) from the New Executive Office Building, located at 725 17th St., NW, Washington, DC. Abatement operations consisted of the removal of asbestos containing sprayed on fireproofing from the deck of the 3rd floor. The asbestos abatement is still in progress and will be taking place in phases. The total estimated amount of sprayed on fireproofing to be removed is 18,000 square feet.

Asbestos abatement activities were conducted within a negative pressure enclosure with an attached three-stage decontamination unit. Additionally, wet methods and HEPA (High Efficiency Particulate Air) vacuums were utilized during abatement operations to control fiber release. During asbestos abatement operation workers utilized protective clothing and half-face HEPA respirators.

Air monitoring samples were collected and analyzed on site by Phase Contrast Microscopy (PCM), NIOSH 7400 Method. All air samples collected outside the work area were below the Reoccupancy Standard of 0.01 fibers/cc.

Two (2) final clearance air samples were collected and analyzed by Transmission Electron Microscopy (TEM). The final air clearance samples yielded less then the AHERA (Asbestos Hazard Emergency Reauthorization Act) clearance standard of 70 s/mm^2 (structures per square millimeter).

Please note that suspect and known ACMs may still exist within these areas of the New Executive Office Building, such ACMs may be found within walls, behind mechanical equipment within the mechanical rooms and interstitial ceiling space, or other areas that were not accessible at the time of the renovations.

Should you have any questions please contact me at (202) 708-5257.

DC0105
#1564
9-19-00/JGH/WPYG
CC: KERRY BONOS

SaLUT

Soil and Land Use Technology, Inc.

11609 Edmonston Road, Beltsville, Maryland 20705

Telephone: (301) 595-3783
Fax: (301) 595-3787

August 25, 2000

General Services Adm., NCR
Safety & Environmental Management Division
7th & D Streets, SW, Room 2080
Washington, D.C.
ATTENTION: Ms. Normajean Eleazer

Re: New Executive Office Building - 3rd Floor
Order No.: P1100DC0332
Act No.: P02640714
SaLUT Job #: 00-189

Dear Ms. Eleazer:

Pursuant to your request, Soil and Land Use Technology, Inc. (SaLUT) monitored asbestos abatement activities at the New Executive Office Building, 3rd floor, 725 17th Street, NW, Washington, DC. SaLUT's industrial hygienist, Mr. Tijan N'Jie, performed all air monitoring and inspections from August 14-19, 2000. The abatement contractor on site was EDS. A report from July 24, 2000, by John Roberson, was inadvertantly left out of the last report. It is included with this period.

The scope of SaLUT's work included technical monitoring during the removal of approximately 18,000 square feet of asbestos containing sprayed on fireproofing from the deck of the third floor. The removal is still in progress and taking place in phases. During this time period, one containment, located on the East Side of the building, North Outer Loop, was abated and cleared for re-occupancy.

EDS performed all removal within a negative pressure enclosure with a three-stage decontamination chamber attached. Decontamination of lights and ceiling tiles occurred before the fireproofing abatement proceeded. Removal methods included wetting the material, scraping and HEPA vacuuming to control fiber release. During all asbestos related activities, workers wore protective clothing and half-face HEPA air purifying respirators.

Air samples were collected inside and outside the work area during removal and analyzed on site by Phase Contrast Microscopy, NIOSH Method 7400. All PCM samples collected outside the work area yielded in less than 0.01 fibers per cubic centimeter.

Upon completion, SaLUT performed a visual inspection of the work areas to insure the area was free from visible debris. After a penetrating encapsulant was applied to all surfaces and allowed to dry, aggressive final clearance air sample collection occurred. A total of two (2) final clearance samples were submitted to AMA Analytical Services, Inc. and were analyzed by Transmission Electron Microscopy (TEM). All results yielded less than 70 structures per square millimeter, the level for occupancy as stated in the EPA guidance publications. Final clearance was achieved on August 19, 2000.

This removal project is still in progress. Enclosed are the daily logs, checklists, and air sample data sheets. Laboratory analyses and chain of custody are also 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

SaLUT

11609 Edmonston Road • Beltsville, MD 20705 • (301) 595-3783

IH ABATEMENT DAILY REPORT

Client: GSA Job No: 00- Date 7/24/ Employee: JOHN Robinson

Project: NEOB On-Site From: 7am To: 6pm

Work in Progress / Summary of Activities: 700 IH Arrived on site IH & Supervisor discussed today's scope of work that will be performed today.
430 IH got call, from Home office to let Contractor know that samples, taken (finals) were Clear.
800 Workers suited up & went into the Containment on the third floor. to begin removal of duct insulation (fiberglass), but under the fiberglass is blk mastic which is Asbestos, Containing.
1030 IH went into the Containment to monitor the Removal effects of the workers, All material was wet with Amended water, & Area was kept misted with Amended water. mastic was scraped ~~off~~ off and placed into poly waste bag.
11:30 IH continued to run outside Environmental Air Samples during the work shift.
1200 Workers took break.
1230 Workers Returned, Workers began to bring bags from to the front of the work Area until this Evening, when bag out will take place.
330 IH went back into Area, to see the progress of the Bagout & removing of equipment, into the Next Area, that will be setup.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): 100sqft of Duct Insulation, Containing Blk mastic

Containment: full enclosure

Decon: 3 Stage

PPE: PAPR

Removal Methods: Wet Removal

No. of Bags Removed 180

Abatement Contractor: EDS

Reviewed By:_____

SaLUT

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DAILY REPORT, Contd.

Project: NEDB Job No. _____ Date: 7/24/00 Page 2 of 2

Work in Progress / Summary of Activities: 530 IH continued to ~~make~~ take Environmental Samples, Air Samples while workers were taking down the Containment on the 3rd fl.
600 IH Relief came, IH left site

Employee: _____

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEO B Project: _____

Location: 3RD floor Date: 7/24/00

Removal Contractor: EDS Time Inspected: 1030

Monitoring Contractor: SALUT Inc. Time Removal Began: 800

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. Glove Bag Project	N/A	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ___ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered _____

SaLUT

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IH ABATEMENT DAILY REPORT

Client: G.S.A. Job No: 00-189 Date 8/14/10 Employee: Tijan S. Nijie

Project: NEOB On-Site From: 6.00p To: 5.00a

Work in Progress / Summary of Activities:

6.00p On site, got through security, met Ms Bonos, went up to 3rd floor workarea, set-up of enclosure still in progress, at 3rd floor east wing, outlier loop north, though G.S.A. electricians, had already proceeded + taken down all light fixtures within, set-up pumps to aquire background air samples.

8.30p Stopped pumps, retrieved + analysed cassettes, then recorded data.

9.30p Crew makes it up to workarea, G.S.A. electrician to be up on floor shortly, to hook-up control panel, so microtraps could be turned on, in meantime ~~to to~~ crew to continue criticalling off different electrical & mechanical components within enclosure.

10.00p Control panel being connected to main power supply of building.

11.30p In p.p.e. went into enclosure, most of traps up, criticalling of components still in progress, also repairs to containment walls + floors being done.

12.00a Lunch

1.00a Back to work, crew to continue on with prep work

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Sprayed on asbestos fireproofing

Containment: Full enclosure

Decon: 3 stages

PPE: Papr

Removal Methods: Wet scrape, scrubbing, wiping + vacuumming

Abatement Contractor: E.A.S.

Reviewed By: _____

SaLUT

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DAILY REPORT, Contd.

Project: NEOB Job No. 00-189 Date: 8/14/00 Page 2 of 2

Work in Progress / Summary of Activities:

2.00a Super still believes, that, all necessary prep work will be completed in time, to do pre-abatement inspection before end of shift.

3.30a In ppe. went into enclosure, for conservative estimate, it will be at least 3 to 4 hours before all prep work is completed

5.00a End of shift, left site.

Employee: Tijan S. N'jie

SaLUT

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IH ABATEMENT DAILY REPORT

Client: G.S.A. Job No: 00-189 Date 8/15/00 Employee: Tijan S N'jie

Project: NEOB On-Site From: 8.30p To:

Work in Progress / Summary of Activities:

8.30p On site, went through security, then proceeded up to 3rd floor workarea, with abatement crew, who will complete criticals, bring mircotraps on line and maintain required negative pressure, then pre-abatement inspection will be done.

9.30p In p.p.e. went into enclosure, prep work soon to be completed, all mircotraps up & running, ducts being secured to venting holes, when completed, enclosure will be inspected.

10.50p Proceeded with pre-abatement inspection, several repairs to be effected, then opening at Northwest end of containment, will be criticalled off. Prior to scrape off of fireproofing so poly could be secured to substrate, drop cloth to be laid over ceiling of area outside enclosure perimeter. Drop cloth to be recovered + bagged, immediate area of ceiling below scrapped off area to be hepa vaccummed, before sealing bottom part of critical barrier.

12.00a Informed critical barrier done, crew to break for lunch.

1.00a Back to work, crew to begin decontaminating

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Sprayed asbestos containing fireproofing + fittings

Containment: Full enclosure

Decon: 3 stages

PPE: Papr

Removal Methods: Wet scrape/scrubbing/wiping + vaccumming

No. of Bags Removed

Abatement Contractor: E.D.S.

Reviewed By:

SaLUT

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DAILY REPORT, Contd.

Project: NEOB Job No. 00-189 Date: 8/15/00 Page 2 of 2

Work in Progress / Summary of Activities:

light fixtures & bring them out of containment.

2.00a All fixtures brought out, hepa vacuumming & encapsulation of ceiling tiles to follow.

3.00a All ceilings tiles out, crew to switch from ½ face respirators to PAPr's, to begin actual abatement

4.00a In p.p.e. went into enclosure, fireproofing being thoroughly wetted before being scrapped off, airless sprayer in continuous use, gross being promptly bagged up, showered out.

4.30a Stopped pumps, as crew begin to shower out, retrieved & analyzed cassettes, then recorded data.

5.00a End of shift. left site.

Employee: Tijan S. Nijie

EXHIBIT A
ASBESTOS PRE-ABATEMENT CHECKLIST

Building: NEOB

Project: NEOB

Location: 3rd fl East, Outterloop

Date: 8/15/00

Removal Contractor: EDS

Time Inspected: 1.00a

Monitoring Contractor: SALUT

Time Removal Began: 1.35a

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. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp___ HEPA___ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB Project: NEOB

Location: 3rd fl East, Outter wing North Date: 8/15/00

Removal Contractor: EDS Time Inspected: 4.00a

Monitoring Contractor: SALUTI Time Removal Began: 3.30a

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ___ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

SaLUT

11609 Edmonston Road • Beltsville, MD 20705 • (301) 595-3783

IH ABATEMENT DAILY REPORT

Client: G.S.A. Job No: 00-189 Date: 3/16/00 Employee: Tijan S. Njie

Project: NEOB On-Site From: 8:30p To: 5:00am

Work in Progress / Summary of Activities:

8:30p On site, went through security, then proceeded up to 3rd floor workarea (East, outter wing, north) Set up pumps at crew got into p.p.e to proceed into enclosure. Manometer reading okay, but pressure had risen during the day.

9:15p G.S.A electrician + security officers informs us that, Water had gotten into alarm or sprinklers components, unit to be identified, cleaned + properly critically off.

10:00p Component found, cleaned + critically off again, okay given to continue on with abatement, no direct spray of ammended water, on to electrical components.

11:00p In p.p.e. went into enclosure, abatement comming along well, material kept wet, being bagged up as generated, overall containment well managed. Check on manometer on showering out, pressure okay.

12:00a Lunch break.

1:00a Back to work, mariometer reading as a constant rise in pressure within enclosure, crew to check + resecure critical barrier wherever they are comming loose

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Asbestos containing fireproofing & fittings

Containment: Full enclosure

Decon: 3 stages

PPE: Papr

Removal Methods: Wet scrape/scrubbing/wiping & vaccumming

Abatement Contractor: E.D.S.

Reviewed By: _____

SaLUT

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DAILY REPORT, Contd.

Project: NEOB Job No. 00-189 Date: 8/16/00 Page 2 of 2

Work in Progress / Summary of Activities:

1.45a Pressure back down to required level & lower, crew given okay to proceed with abatement.

3.00a Again in p.p.e. went into containment, a.c.m kept wet, being bagged up promptly, curtains in use, crew in adherance to abatement guidelines. Shower system to be cleaned out thoroughly a.s.a.p.

4.30a Stopped pumps, retrieved and analyzed samples, then recorded data.

5.00a End of shift, left site.

Employee: Tijan S. Njie

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB Project: NEOB

Location: 3rd fl East, Outter loop, North Date: 8/16/00

Removal Contractor: EDS Time Inspected: 11:00p

Monitoring Contractor: SALUT Time Removal Began: 10:00p

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ___ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

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IH ABATEMENT DAILY REPORT

Client: C.S.A Job No: 00-189 Date 8/14/00 Employee: Tijan & N'jie

Project: NEOB On-Site From: 8:30p To: 5:00a

Work in Progress / Summary of Activities:

8:30p On site, signed in, then proceeded up to 3rd floor workarea, comming out the elevator, one immediately hears, manometer alarm. Advised E.D.S super Rene, to get crew into t.p.e. & in containment a.s.a.p, to effect repairs on critisals that had come down, set up pumps.

9:15p All critisals back-up, manometer reading back down to required level, suggested to E.D.S super to have a certified abatement worker, come through at least once during the day, to check on enclosure.

9:30p Power to enclosure interupted, breaker tripped, main breaker reset and power restored to wing. Crew setting up to bags out, on completion of this excercise, remaining limited gross removal to be done, then fine cleaning started.

11:30p In ppe went into enclosure, gross removal completed, debris to be bagged up, then fine cleaning started. Material kept wet, critical holding, showered out, manometer reading okay.

12:00a Lunch Break.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Asbestos containing fireproofing + fittings

Containment: Full enclosure

Decon: 3 stages

PPE: Papr

Removal Methods: Wet scrape/scrubbing/wiping + vacumming

No. of Bags Removed 294 bags.

Abatement Contractor: E.D.S.

Reviewed By:_____

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DAILY REPORT, Contd.

Project: NEDB Job No. 00-189 Date: 8/17/00 Page 2 of 2

Work in Progress / Summary of Activities:

1.00a Back to work, crew to continue with fine cleaning

2.00a Again in p.p.e. went into containment, fine cleaning progressing well, crew working from highest levels down to grid. Noticed several areas with pools of contaminated, got foreman to have them cleaned up.

3.00a Checked manometer, reading okay, criticals holding

4.30a Stopped all pumps, as crew evacuated all out of shower, retrieved & analysed cassettes, then recorded data.

5.00a End of shift, left site.

Employee: Tijan S Njie

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB Project: NEOB

Location: 3rd fl East, Outlier, North Date: 8/17/00

Removal Contractor: EDS Time Inspected: 11:30p

Monitoring Contractor: SALUT Time Removal Began: 10:30p

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ___ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

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IH ABATEMENT DAILY REPORT

Client: G.S.A Job No: 00-189 Date: 8/18/00 8/19/00 Employee: Tijan S Ofie (8/18/00) (8/19/00)

Project: NEOB On-Site From: 8:30p To: 6:00p

Work in Progress / Summary of Activities:

8:30p On site, set up pumps, as crew got into p.p.e's to enter containment, manometer reading okay, printout also indicates, that required negative pressure had been maintained during the day. Super to have crew check critical barriers, just in case any about to come loose.

9:30p Crew sets up to bag out, those generated late yesterday, in an effort to have total access through out enclosure.

11:00p In p.p.e. went into enclosure, Crew has significant way to go, with fine cleaning, will have to push hard to have final visual done before end of shift. Opening between west wall & I. Beam sealed with expanding, pointed out several areas that needed reapplication.

11:30p Break

12:30p Back to work, fine cleaning to continue.

2:00p Again in p.p.e. went into enclosure, work progressing well, super to have smaller wire brushes brought in, to tackle areas were I. Beams meet corrugated substrate. Criticals barriers holding,

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Asbestos containing fireproofing + fittings

Containment: Full enclosure

Decon: 3 stages

PPE: Papr

Removal Methods: Wet scrape/scrubbing/wiping + vaccumming

No. of Bags Removed 64 bags

Abatement Contractor: EDS

Reviewed By:_____

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DAILY REPORT, Contd.

Project: NEOB Job No. 00-189 Date: 8/18/00 Page 2 of ____

Work in Progress / Summary of Activities:

manometer reading okay.

4.00a Informed by super Rene, that it would not be till later part of morning before containment will be ready for final visual inspection.

5.30a Crew takes break.

6.15a Back to work, in p.p.e. went into enclosure together with crew, much progress made on mechanical systems, with smaller brushes, better detail work being done, still lot of cleaning yet to be done before containment ready.

11.00a Started final inspection, several large openings along northern wall filled in with expanding foam, few bags to be sealed & taken outside. Pointed out areas needing further cleaning, showered out.

12.30p Back in for visual, much better cleaning, few wiping done, stayed for equipment to be thoroughly cleaning, then encapsulation could be done.

2.00p Encapsulation done, informed enclosure free of equipment.

2.30p Started pumps to aquire final clearance air samples.

5.30p Stopped pumps

Employee: Tijan S Nijie

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB Project: NEOB

Location: 3rd fl East, outer loop, North Date: 8/18/00

Removal Contractor: EDS Time Inspected: 11:00 p

Monitoring Contractor: SALUT Time Removal Began: 8:50p

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ___ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT C
FINAL INSPECTION OF ASBESTOS ABATEMENT CHECKLIST

Building: NEOB

Project: NEOB

Location: 3rd fl East, Outter loop, North

Date: 8/19/00

Removal Contractor: EDS

Time Inspected: 12.30p

Monitoring Contractor: SALUT

Time Completed: 1.15p

Inspection Category	Activity to be checked	Within Limits	Problem Encountered
1. Residual Dust on:	a. Floor	✓	
	b. Horizontal Surfaces	✓	
	c. Pipes	✓	
	d. Ventilation Equipment	✓	
	e. Horizontal Surfaces	✓	
	f. Pipes	✓	
	g. Ductwork	✓	
	h. Registers	✓	
	i. Lights	✓	

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.

Location:				
Volume(liters)				
Flow Rate (liters/min)				
Fibers/Filter				
Fibers/cc				

Analyst Analyzing Samples: _____ Date: _____

Field Notes: Describe any problems encountered during final inspection

PCM Air Sample Data Sheets

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PCM AIR SAMPLE DATA SHEET

Project: NEOB

Job No.: 00-189.

Name: Tijan & N. Jie

Client: G.S.A

Date: 8/14/00 Time on-site: 6.00p 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
00-189 1	BG	6.30p	W	8.30p	W	120	1200	2/10	<0.01	See attached
2	BG	6.30p	W	8.30p	W	120	1200	1/10	<0.01	
										floor plan for
										actual location
										of sampling pumps.
										inside + outside of
										work area.

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: NEOB

Job No.: 99-399

Name: Ijan & Nijic

Client: G.S.A.

Date: 8/15/00 Time on-site: 8:30p 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
99-399 1	WA	9.00p	3	1.00a	3	240	720	39½/100	0.026	See attached
2	WA	9.00p	3	1.00a	3	240	720	42/100	0.028	
3	EV	9.05p	5	1.05a	5	240	1200	16/100	<0.01	floor plan
4	EV	9.05p	5	1.05a	5	240	1200	9/100	<0.01	
5	EV	9.10p	5	1.10a	5	240	1200	4½/100	<0.01	for actual
6	WA	1.00a	3	4.15a	3	255	765	37/100	0.023	
7	WA	1.00a	3	4.15a	3	255	765	33½/100	0.021	Locations of
8	EV	1.05a	5	4.25a	5	260	1230	14½/100	<0.01	
9	EV	1.05a	5	4.25a	5	260	1230	11/100	<0.01	pumps-
10	EV	1.10a	5	4.30a	5	260	1230	9/100	<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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PCM AIR SAMPLE DATA SHEET

Project: NEOB

Job No.: 00-189

Name: Tijan s N'jie

Client: G.S.A

Date: 8/11/00 Time on-site: 8:30p to 5:00a

Analyzed On-site: Yes Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
00-189 1	WA	9:00p	3	12:00a	3	180	540	43/100	0.05	See attached
2	WA	9:00p	3	12:00a	3	180	540	42½/100	0.038	
3	EV	9:03p	5	12:05a	5	1780	890	11/100	<0.01	floor plan for
4	EV	9:05p	5	12:05a	5	180	900	9/100	<0.01	
5	EV	9:05p	5	12:05a	5	180	900	10/100	<0.01	actual location
6	WA	12:00a	3	4:05a	3	245	735	58½/100	0.039	
7	WA	12:00a	3	4:05a	3	245	735	47/100	0.031	of pumps
8	EV	12:05a	5	4:10a	5	245	1225	9/100	<0.01	
9	EV	12:05a	5	4:10a	5	245	1225	10/100	<0.01	
10	EV	12:05a	5	4:10a	5	245	1225	8½/100	<0.01	

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:

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AIR SAMPLE DATA SHEET

Project: NEOB
Job No.: 00-189
Name: Tijan S. N'fie

Type of Sample: PCM TEM LEAD
Client: G.S.A
Date: 8/17/00 Time on-site: 8:30p to 5:00a
Analyzed On-site: Yes Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
00-189 1	WA	8:50p	3	12:00a	3	190	570	24/100	0.029	See attached
2	WA	8:50p	3	12:00a	3	190	570	29½/100	0.025	
3	EV	8:50p	5	12:00a	5	190	950	14/100	<0.01	floor plan
4	EV	8:55p	5	12:00a	5	185	925	11/100	<0.01	
5	EV	8:55p	5	12:00a	5	185	925	13½/100	<0.01	for actual
6	WA	12:00a	3	4:30a	3	270	810	19½/100	0.011	
7	WA	12:00a	3	4:30a	3	270	810	23/100	0.013	Location of
8	EV	12:00a	5	4:25a	5	265	825	10/100	<0.01	
9	EV	12:00a	5	4:25a	5	265	825	13½/100	<0.01	pumps.
10	EV	12:00a	5	4:25a	5	265	825	9/100	<0.01	

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

Project: NEOB
Job No.: 00-189
Name: Tijan S. N'jie

Type of Sample: PCM TEM LEAD
Client: G.S.A
Date: 8/18/00 Time on-site: 8:30p to 6:00p
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
00-189 1	WA	8.40p	3	1.40a	3	300	900	23/100	0.012	See attached
2	WA	8.40p	3	1.40a	3	300	900	14/100	<0.01	
3	EV	8.40p	5	1.45a	5	305	1525	1/100	<0.01	floor plan
4	EV	8.40p	5	1.45a	5	305	1525	1/100	<0.01	
5	EV	8.45p	5	1.47a	5	302	1510	1/100	<0.01	for actual
6	WA	1.40a	3	6.40a	3	300	900	19/100	0.010	
7	WA	1.40a	3	6.40a	3	300	900	14/100	<0.01	Location of
8	EV	1.45a	5	6.45a	5	300	1500	1/100	<0.01	
9	EV	1.45a	5	6.45a	5	300	1500	1/100	<0.01	Sampling pumps.
10	EV	1.47a	5	6.47a	5	300	1500	3/100	<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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AIR SAMPLE DATA SHEET

Type of Sample: PCM TEM LEAD

Project: NEOB
Job No.: 00-189
Name: Tijan S N'jie

Client: G.S.A.
Date: 8/18/00 Time on-site: 8:30p to 6:00p
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
00-189 11	WA	6.40a	3	11:15p	3	275	825	13½/100	<0.01	See attached
12	WA	6.40a	3	11:15p	3	275	825	11/100	<0.01	
13	EU	6.45a	5	11:24p	5	279	1395	14/100	<0.01	floor plan
14	EU	6.45a	5	11:24p	5	279	1395	9/100	<0.01	
15	EU	6.47a	5	11:25p	5	278	1390	3½/100	<0.01	for actual
16	WA	11.15a	3	1:20p	3	125	375	6/100	<0.01	
17	WA	11.15a	3	1:20p	3	125	375	7½/100	<0.01	Location of
18	EV	11.15a	5	1:25p	5	130	650	8/100	<0.01	
19	EV	11.15a	5	1:25p	5	130	650	5/100	<0.01	sampling pumps.
20	EV	11.15a	5	1:25p	5	127	635	4½/100	<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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AIR SAMPLE DATA SHEET

Project: NEOB
Job No.: 00-189
Name: Tijan S N'jie

Type of Sample : PCM TEM LEAD
Client: G.S.A
Date: 8/19/00 Time on-site: 8:30p to 6:00p.
Analyzed On-site: NO Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
00-189 21	FC	3:30p	10	5:30p	10	120	1200			
22	FC	3:30p	10	5:30p	10	120	1200			

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
Job No.:
Name: JR

Client: GSA
Date: 4/24/00 Time on-site: 7AM to 6PM
Analyzed On-site: JR Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
NEOB 01	EV	7.5	735	7.5	935	120	900	8.5/100	<0.010	8ft in front of poly Barrier
02	EV	8.0	755	8.0	955	120	960	9.5/100	<0.010	At Decon
03	EV	7.5	830	7.5	1030	120	900	4.5/100	<0.010	IN 3rd fl. MAIN Hall
04	EV	10	840	10	1040	120	1200	7/100	<0.010	At poly Barrier
05	EV	10	1115	10	115	120	1200	13/100	<0.010	At Decon
06	EV	7.5	1125	7.5	125	120	~~1200~~ 900	4.5/100	<0.010	At elevators
07	EV	10	1145	10	145	120	1200	9.5/100	<0.010	IN 3rd fl. MAIN Hall
08	EV	8.0	210	8.0	410	120	~~120~~ 960	6/100	<0.010	At Decon
09	EV	8.0	230	8.0	430	120	960	4.5/100	<0.010	At poly Barrier

QA Reference Slide No.:			Fiber Count (F/mm²)		Scope ID: CH-2	Scope Make/Model: Olympus	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? ok	Scope Check w/ Phase Shift Slide? ok	

COMMENTS:

Key: BG - Background EV - Environmental WA - Work Area FC - Final Clearance PS - Personal FB - Field Blank

TEM Laboratory Analysis

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	NEOB	**Chain Of Custody:**	75559
Address:	11609 Edmonston Road	**Job Location:**	3rd Floor Reno	**Date Analyzed:**	8/19/00
	Beltsville, Maryland 20705	**Job Number:**	00-189	**Person Submitting:**	Tijan Nijic
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** N/P **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
0056884	00-189-21	1200	0.0728	0.0044	0	0	< 14	< 0.0044	FC	
0056885	00-189-22	1200	0.0728	0.0044	0	0	< 14	< 0.0044	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.

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
4475 Forbes Blvd. • Lanham, MD 20706 • (301) 459-2640 • Toll Free (800) 346-0961 • Fax (301) 459-2643

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
Job No.: 00-189
Name: Ryan S Wfie

Type of Sample: ~~PCM~~ TEM LEAD
Client: G.S.A.
Date: 8/19/00 Time on-site: 8:30p to 5:30p
Analyzed On-site: NO Laboratory:

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
00-189 21	FC	3:30p	10	5:30p	10	120	1200			See attached
22	FC	3:30p	10	5:30p	10	120	1200			floorplan for pump location
23	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

REQUISITION/PRC JREMENT REQUEST FOR EQUIPMENT, SUPPLIES OR SERVICES

PAGE 1 OF 1 Page(s)

2. Requisition/Procurement Request No.	3. ACT NUMBER	4. DATE PREPARED JUN 14 2000	5. JOB/PROJECT NUMBER

6. TO (Stockroom/Contracting Office, Name & Location)
Tidewater, Inc.
8950 Route 108E, Suite 100
Columbia, MD 21045

7. FROM (Requisition Office, Name, Symbol, Location & Telephone)
GSA Safety, Environment & Fire Protection Branch (WPYG)
ROB, Room 2080
7th & D Streets, SW
Washington, DC 20407 (202)708-5256

8. FOR INFORMATION CALL (Name & Telephone Number)
Timothy Sleeth (202) 708-5257

9. RECEIVING OFFICE (Name, Symbol & Telephone)
Same as #07

10. ACCOUNTING CLASSIFICATION

FUND	ORG. CODE	B/A CODE	O/C CODE
192.X	P1121205	61	25
FUNC CODE	C/E CODE	PROJ / PROS. NO	CC-A
L11	516		
W/ ITEM	CC-B	PRT / CRFT	
	DC0105ZZ		

11. SHIP TO (Address, Zip Code & Telephone)
New Executive Office Building
725 17th St., NW
Washington, DC

12. CONTRACT NUMBER
GS11P99YAD0719

ITEM NO. FORM OR STOCK NUMBER (13)	DESCRIPTION OF ARTICLES OR SERVICES (14)	QUAN-TITY (15)	UNIT OF ISSUE (16)	UNIT PRICE (17)	AMOUNT (18)
	During the month of July, 2000, please conduct Fiber-In-Air (FIA sampling at the building noted in Block 11. Sampling shall be conducted in accordance with the attached GSA Protocol.				
0001	IH	40	Hrs.	$28.00	$1,120.00
0008	Asbestos: PCM (24 hours)	50	Ea.	$2.00	$100.00
0019	TEM: Air (6 Hours)	2	Ea.	$70.00	$140.00
	Points of Contact: Timothy Sleeth (202) 708-5257 GSA Safety Kerry Bonos White House SDT GSA APM (202) 395-2230				

If additional space is required use GSA Form 49a, Req/Proc. Request (Confirmation)

19. TOTAL $1,360.00

20a. TYPED NAME AND TITLE OF CERTIFYING OFFICIAL
Deborah Washington, Administrative Assistant (WPYG)

20b. SIGNATURE | **DATE**

21a. TYPED NAME OF REQUISITIONER
Timothy Sleeth, Industrial Hygienist (WPYG)

21b. SIGNATURE Tim Sleeth | **DATE** JUN 14 2000

22. LIST ATTACHMENTS

23a. TYPED NAME OF APPROVING OFFICIAL
Steven P. Richard, Branch Chief (WPYG)

23b. SIGNATURE | **DATE**

24. SHIPPED VIA:
FREIGHT PARCEL POST EXPRESS MAIL

25. FILLED BY	26. PACKED BY	27. CHECKED BY

28. BILL OF LADING NUMBER	29. DATE SHIPPED

ORDER FOR SUPPLIES AND SERVICES

Important: See instructions in GSAR 553.370-300-1 for distribution

1. DATE OF ORDER	2. ORDER NUMBER	3. CONTRACT NUMBER	4. ACT NUMBER
Jun 20, 2000	P-11-00-DC-0282	GS11P99YAD0717	P02640167

FOR GOVERNMENT USE ONLY

5. ACCOUNTING CLASSIFICATION				6. FINANCE DIVISION		
FUND 192X	ORG CODE P1121205	B/A CODE 61	O/C CODE 25	AC	SS	VENDOR NUMBER
FUNC CODE L11	C/E CODE 516	PROJ/PROS NO	CC-A	MDL	FI	G/L DEBIT
W/ITEM	CC-B DC0105ZZ	PRT/CRFT		AI	LC	DISCOUNT

7. TO: CONTRACTOR *(name, address and zip code)* 00007629

Tidewater, Inc.
8950 Route 108 E
Suite 100
Columbia MD 21045

Prasad Dissanayake (410)997-4458

8. TYPE OF ORDER REFERENCE YOUR

[ ] **A. PURCHASE**

Please furnish the following on the terms specified on both sides of the order and the attached sheets, if any, including delivery as indicated.

[X] **B. DELIVERY**

This delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above number contract.

C. MODIFICATION NO. AUTHORITY FOR ISSUING

9B. CHECK IF APPROP. [ ] WITHOLD 20%

Except as provided herein, all terms and conditions of the original order, as heretofore modified, remain unchanged.

10A. CLASSIFICATION

[ ] A. Small Business [ ] B. Other Than Small Business [X] C. Small Disadvantaged [ ] D. Small Women-Owned

10B. TYPE OF BUSINESS ORGANIZATION

[X] A. Corporation [ ] B. Partnership [ ] C. Sole Proprietor

11. ISSUING OFFICE *(Address, zip code, telephone)*
WPYG
GSA, NCR, Service Delivery Support
Safety, Env. & Fire
7th & D Streets, S.W. Room 2080
Washington, D.C. 20407

12. REMITTANCE ADDRESS *(Mandatory)*
00007629
Tidewater, Inc.
8950 Route 108 E
Suite 100
Columbia MD 21045

13. SHIP TO *(Consignee address, zip code, telephone)*
DC0105ZZ
NEW EXECUTIVE OFFICE BUILDING
725 17TH STREET N W
WASHINGTON D C DC 20006

14. PLACE OF INSPECTION AND ACCEPTANCE: Safety, Environment and Fire Protection Branch

15. REQUISITION OFFICE: *(Name, symbol and telephone)*
WPYG

16. F.O.B.	17. GOVERNMENT B/L NO.	18. DELIVERY F.O.B. POINT ON OR BEFORE	19. PAYMENT/DISCOUNT TERMS
DESTINATION	N/A	Jul 20, 2000	Net 30

20. SCHEDULE

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (F)	AMOUNT (F)
	During the month of July 2000, please conduct fiber-in-air sampling. Sampling shall be conducted in accordance with the attached GSA Protocol. Points of Contact: Timothy Sleeth, GSA Safety, (202) 708-5257 Kerry Bonos, GSA White House SDT, (202) 395-2230				
0001	Industrial Hygienist	40	HR	28.00	1,120.00
0008	Asbestos: PCM (24 hours)	50	EA	2.00	100.00
0019	TEM: Air (6 hours)	2	EA	70.00	140.00

21. RECEIVING OFFICE *(Name, symbol and telephone no.)*
Safety, Environment and Fire Protection Branch

TOTAL FROM 300-A(s)

22. SHIPPING POINT

23. GROSS SHIP WT.

GRAND TOTAL 1,360.00

24. MAIL INVOICE TO: *(Include zip code)*
General Services Administration (FUND)
GSA, NCR, Service Delivery Support
Safety, Env. & Fire
7th & D Streets, S.W. Room 2080
Washington, D.C. 20407

25A. FOR INQUIRIES REGARDING PAYMENT CONTACT:
Normajean Eleazer

25B. TELEPHONE
(202)708-7421

26A. NAME OF CONTRACTING/ORDERING OFFICER
Normajean Eleazer (ELE)

26B. TELEPHONE NO.
(202)708-7421

26C. SIGNATURE

FILE COPY

General Services Administration
National Capital Region
Washington, DC 20407

June 1, 2000

MEMORANDUM FOR DONALD PLUMMER, DIRECTOR
WHITE HOUSE SERVICE DELIVERY TEAM (WPW)

FROM: TIMOTHY SLEETH
SAFETY, ENVIRONMENT AND
FIRE PROTECTION BRANCH (WPYG)

SUBJECT: RESULTS OF ENVIRONMENTAL AIR SAMPLING
NEW EXECUTIVE OFICE BUILDING (NEOB)
725 17TH STREET, NW
WASHINGTON, DC

This memorandum is being sent to transmit the results of environmental air sampling conducted April 20, 21, 25, 26 and 27, 2000, at the New Executive Office Building (NEOB). The results represent ambient asbestos fiber levels in the referenced locations during normal occupant activities and the operation of the building's air handling units.

A total of forty-nine (49) air samples were collected and analyzed by Transmission Electron Microscopy (TEM) using the EPA AHERA Method. Air samples were collected in locations noted in the attached report, and were representative of each air handling zone. Results of the forty-nine samples showed average asbestos fiber levels of less than 15.50 structures per square millimeter (<15.50 s/mm^2), which is well below the level of 70 s/mm^2, which is the EPA recommended level for reoccupancy following asbestos response actions.

Should you have questions concerning this matter, please contact me on (202) 708-5257

Attachment

Cc: Official, Facility, WPYG
Subject File: DC00105
Sleeth: 06/01/00x708-5257
<WINWORD>NEOBtemmemo.DOC

Author: Tim Sleeth Date: 6/1/00
Timothy Sleeth, Industrial Hygienist (WPYG)

Tidewater, inc.

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

T.S./WPYG
6-1-00
DC010522
cc: WPW

May 16, 2000

Ms. Normajean P. Eleazer
General Services Administration, National Capital Region
Safety & Environmental Management Division (WPX)
7th & D Streets, SW, Room 2080
Washington, DC 20407

RE: TEM Sampling of New Executive Office Building, Washington DC
Order # P-11-00-DC-0182

Dear Ms. Eleazer:

Tidewater, Inc. performed TEM Air Sampling at the New Executive Office Building, located at 725 17th St., NW, Washington, DC. The work was performed under contract number GS11P99YAD0717. This report summarizes findings from the sampling performed by Tidewater on April 20, 21, 25, 26, and 27, 2000. Tidewater's industrial hygienists Brett Huntington and Morgan Hall performed the sampling.

Tidewater personnel ran TEM air pumps on the 1st through the 10th floors, and on the Penthouse/Mechanical Room Area. All samples were taken in the breathing zones of the office areas.

A total of 49 TEM samples were taken during the sampling event. The samples were sent to EMSL Analytical, Inc. where they were analyzed for asbestos fibers by Transmission Electron Microscopy (TEM). The results are summarized in Table 1. The laboratory analytical data sheets are attached as Appendix A to this report.

The analytical results indicate that all samples were below the laboratory detection limits of 15.50 structures per square millimeter (S/mm^2), which is well below the recommended EPA clearance level of 70 S/mm^2.

Tidewater is pleased to have provided industrial hygiene services for this emergency response action. If you have any questions please call us at (410) 997-4458.

Sincerely,

TIDEWATER, INC.

Richard Yim, P.E.
Project Manager

Attachments

Tidewater

TABLE 1:
TEM SAMPLE RESULTS

Sample Number	Date	Volume (Liters)	Location	Number of Structures	Asbestos Concentration (S/mm^2)
NEOB-1	4/20/00	1200	Library 1st Floor	0	<15.50
NEOB-2	4/20/00	1200	G202A	0	<15.50
NEOB-3	4/20/00	1200	Secret Service Lock Rm 1st Floor	0	<15.50
NEOB-4	4/20/00	1200	Cafeteria 2nd Floor	0	<15.50
NEOB-5	4/20/00	1200	Room 2008 (Gym)	0	<15.50
NEOB-6	4/20/00	1200	Room 2020 Military Office	0	<15.50
NEOB-7	4/20/00	1200	Room 2200A	0	<15.50
NEOB-8	4/20/00	1200	Thoroughfare/walkway	0	<15.50
NEOB-9	4/20/00	1200	Room B227	0	<15.50
NEOB-10	4/20/00	1200	Room B212	0	<15.50
NEOB-1	4/21/00	1200	Room SB214	0	<15.50
NEOB-2	4/21/00	1200	Room next to SB235	0	<15.50
NEOB-3	4/21/00	1200	Room SB223	0	<15.50
NEOB-4	4/21/00	1200	Room 3001	0	<15.50
NEOB-5	4/21/00	1200	Room 3026 Right corner	0	<15.50
NEOB-6	4/21/00	1200	Room 3026 Middle area	0	<15.50
NEOB-7	4/21/00	1200	Room 3202	0	<15.50
NEOB-8	4/21/00	1200	Room 4013 (Conference Rm)	0	<15.50
NEOB-9	4/21/00	1200	Room 4002 (Middle Area)	0	<15.50
NEOB-10	4/21/00	1200	Room 4224 (Computer Rm)	0	<15.50
042500-01	4/25/00	1200	Room 5002	0	<15.50
042500-02	4/25/00	1200	Room 5026	0	<15.50
042500-03	4/25/00	1200	Room 5202	0	<15.50
042500-04	4/25/00	1200	Room 5235	0	<15.50
042500-05	4/25/00	1200	Room 6001	0	<15.50
042500-06	4/25/00	1200	Room 6025	0	<15.50
042500-07	4/25/00	1200	Room 6201	0	<15.50
042500-08	4/25/00	1200	Room 6236	0	<15.50
042500-09	4/25/00	1200	Room 7001	0	<15.50
042500-10	4/25/00	1200	Room 7026	0	<15.50
042600-01	4/26/00	1200	Room 7202	0	<15.50
042600-02	4/26/00	1200	Room 7235	0	<15.50
042600-03	4/26/00	1200	Room 8002	0	<15.50
042600-04	4/26/00	1200	Room 8025	0	<15.50
042600-05	4/26/00	1200	Room 8201	0	<15.50
042600-06	4/26/00	1200	Room 8236	0	<15.50
042600-07	4/26/00	1200	Room 9001	0	<15.50
042600-08	4/26/00	1200	Room 9026	0	<15.50
042600-09	4/26/00	1200	Room 9202	0	<15.50
042600-10	4/26/00	1200	Room 9235	0	<15.50

Tidewater

TABLE 1:
TEM SAMPLE RESULTS (cont.)

Sample Number	Date	Volume (Liters)	Location	Number of Structures	Asbestos Concentration (S/mm^2)
042700-01	4/27/00	1260	Penthouse – South Side	0	<15.50
042700-02	4/27/00	1260	Penthouse – Middle	0	<15.50
042700-03	4/27/00	1260	Penthouse – North end	0	<15.50
042700-04	4/27/00	1260	Penthouse – Middle	0	<15.50
042700-05	4/27/00	1260	Room 10002	0	<15.50
042700-06	4/27/00	1260	Room 10025	0	<15.50
042700-07	4/27/00	1260	Room 10201	0	<15.50
042700-08	4/27/00	1260	Room 10236	0	<15.50
042700-09	4/27/00	1260	Field Blank	0	<15.50

APPENDIX A:

LABORATORY ANALYTICAL DATA SHEETS

EMSL Analytical, Inc.

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

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

Thursday, April 20, 2000

Ref Number: MD001706

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

Project: New Executive Office Bldg.

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5µ - < 5µ	# STRUCTURES ≥ 5µ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
NEOB-1	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-2	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-3	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-4	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-5	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-6	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
Analyst

Approved Signatory

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

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

EMSL Analytical, Inc.

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

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

Thursday, April 20, 2000

Ref Number: MD001706

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

Project: New Executive Office Bldg.

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5μ - < 5μ	# STRUCTURES ≥ 5μ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
NEOB-7	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-8	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-9	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-10	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
Analyst

Approved Signatory

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

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

MD00172

EMSL ANALYTICAL CHAIN OF CUSTODY ASBESTOS

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

MATRIX

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

TURNAROUND TIME

☑ 6 Hours ☐ 3 Hour** ☐ 24 Hours ☐ 48 Hours
☐ 3 Days ☐ 5 Days ☐ 6-10 Days ☐ Same Day***
**Must call Lab for approval
*** 10:00AM delivery results by Mid-night or earlier

PCM
☐ NIOSH 7400
☐ OSHA
☐ Other:

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

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

SEM
☐ Qualitative
☐ Quantitative

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

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

TEM WIPE
☐ Quantitative
☐ Qualitative

XRD
☐ Asbestos
☐ Silica

☐ **OTHER**
☐ **COMMENTS**

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

SAMPLE DATE	SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
4-20-00	NEOB-1	Library 1st floor	1200 L
4-20-00	NEOB-2	G-202A	
4-20-00	NEOB-3	Secret Service Lock room 1st floor	
4-20-00	NEOB-4	Cafeteria 2nd floor	
4-20-00	NEOB-5	Room 2008 (Gym)	
4-20-00	NEOB-6	Room 2028 military office	
4-20-00	NEOB-7	Room 2200A	
4-20-00	NEOB-8	Through fair / walkway	
4-20-00	NEOB-9	B-227	
4-20-00	NEOB-10	B-212	1200 L

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

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

Saturday, April 22, 2000

Ref Number: MD001732

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

Project: Samples NEOB-01 to NEOB-10

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5µ - < 5µ	# STRUCTURES ≥ 5µ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
NEOB-01	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-02	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-03	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-04	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-05	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-06	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
Analyst

Approved Signatory

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

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

EMSL Analytical, Inc.

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

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

Saturday, April 22, 2000

Ref Number: MD001732

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

Project: Samples NEOB-01 to NEOB-10

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5μ - < 5μ	# STRUCTURES ≥ 5μ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
NEOB-07	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-08	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-09	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-10	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
Analyst

Approved Signatory

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

EMSL

ANALYTICAL CHAIN OF CUSTODY ASBESTOS

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

EMSL-Bill to: Same
Street:
Box #:
City/State: Zip:
Fax Results to: Prasad
Fax #: (410) 997-8713
Purchase Order #

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

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

**Must call Lab for approval

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

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

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

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

SEM
- [ ] Qualitative
- [ ] Quantitative

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

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

TEM WIPE
- [ ] Quantitative
- [ ] Qualitative

XRD
- [ ] Asbestos
- [ ] Silica

- [ ] OTHER
- [ ] COMMENTS

Client Sample # (s) NEOB-01 - NEOB-10 Total Samples: 10
Relinquished: [signature] Date: 4/21/00 Time: 345pm
Received: [signature] Date: 4/21/00 Time: 1545
Received: Date: Time:

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

EMSL Analytical, Inc.

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

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

Wednesday, April 26, 2000

Ref Number: MD001770

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

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5μ - < 5μ	# STRUCTURES ≥ 5μ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
042500-01	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-02	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-03	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-04	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-05	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-06	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
Analyst

Approved Signatory

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

04/26/2000 11:19 3019375701 EMSL BELTSVILLE PAGE 01

EMSL Analytical, Inc.

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

EMSL

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

Wednesday, April 26, 2000

Ref Number: MD001770

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

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5μ - < 5μ	# STRUCTURES ≥ 5μ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
042500-07	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-08	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-09	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-10	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
Analyst

Approved Signatory

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

04/26/2000 11:19 3019375701 EMSL BELTSVILLE PAGE 02

MD001770

ANALYTICAL CHAIN OF CUSTODY ASBESTOS

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

EMSL-Bill to: Same
Street:
Box #:
City/State: Zip:
Fax Results to: Prasad
Fax #: (410) 997-8713
Purchase Order #

MATRIX

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

TURNAROUND TIME

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

**Must call Lab for approval

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

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

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

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

SEM
- [ ] Qualitative
- [ ] Quantitative

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

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

TEM WIPE
- [ ] Quantitative
- [ ] Qualitative

XRD
- [ ] Asbestos
- [ ] Silica

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

Client Sample # (s)
Total Samples: 10
Relinquished: Date: Time:
Received: J. Harris Date: 4/25 Time: 4:55
Received: Date: Time:

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

EMSL Analytical, Inc.

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

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

Thursday, April 27, 2000

Ref Number: MD001785

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

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5µ - < 5µ	# STRUCTURES ≥ 5µ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
042600-01	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-02	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-03	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-04	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-05	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-06	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
Analyst

Approved Signatory

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04/27/2000 11:47 3019375701 EMSL BELTSVILLE PAGE 01

EMSL Analytical, Inc.

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

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

Thursday, April 27, 2000

Ref Number: MD001785

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

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5μ - < 5μ	# STRUCTURES ≥ 5μ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
042600-07	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-08	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-09	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-10	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

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Analyst

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

04/27/2000 11:47 3019375701 EMSL BELTSVILLE PAGE 02

M0001785

EMSL ANALYTICAL CHAIN OF CUSTODY ASBESTOS

EMSL Representative:			
Your Company Name:	Tidewater Inc	EMSL-Bill to:	Same
Street:	8950 Rte 108 E	Street:	
Box #:	Suite 100	Box #:	
City/State:	Columbia MD Zip: 21045	City/State:	Zip:
Verbal Results to:	Prasad	Fax Results to:	Prasad
Telephone #:	(410) 997-9458	Fax #:	(410) 997-8713
Project Name/Number:		Purchase Order #	

MATRIX

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

TURNAROUND TIME

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

**Must call Lab for approval

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

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

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

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

SEM
- [ ] Qualitative
- [ ] Quantitative

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

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

TEM WIPE
- [ ] Quantitative
- [ ] Qualitative

XRD
- [ ] Asbestos
- [ ] Silica

- [ ] OTHER
- [ ] COMMENTS

Client Sample # (s) Total Samples: 10

Relinquished:	[signature]	Date: 4/27/00	Time: 930	
Received:	[signature]	Date: 4/27/00	Time: 9:30	
Received:		Date:	Time:	

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

EMSL Analytical, Inc.

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

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

Friday, April 28, 2000

Ref Number: MD001798

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

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5μ - < 5μ	# STRUCTURES ≥ 5μ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
042700-01	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047
042700-02	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047
042700-03	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047
042700-04	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047
042700-05	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047
042700-06	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047

Brett Macey
Analyst

Approved Signatory

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

04/28/2000 13:03 3019375701 EMSL BELTSVILLE PAGE 01

EMSL Analytical, Inc.

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

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

Friday, April 28, 2000

Ref Number: MD001798

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

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5μ - < 5μ	# STRUCTURES ≥ 5μ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
042700-07	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047
042700-08	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047

Brett Macey
Analyst

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Accredited for NVLAP PLM/TEM #200283 WV Lic #LT000053

04/28/2000 13:03 3019375701 EMSL BELTSVILLE PAGE 02

MD001798

EMSL ANALYTICAL CHAIN OF CUSTODY ASBESTOS

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

MATRIX

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

TURNAROUND TIME

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

**Must call Lab for approval

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

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

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

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

SEM
- [ ] Qualitative
- [ ] Quantitative

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

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

TEM WIPE
- [ ] Quantitative
- [ ] Qualitative

XRD
- [ ] Asbestos
- [ ] Silica

- [ ] OTHER
- [ ] COMMENTS

Client Sample # (s)

Total Samples: 9

Relinquished:	[signature]	Date: 4/27/00	Time: 5:30 pm
Received:	J. Harris	Date: 4/28/00	Time: 8:30
Received:		Date:	Time:

SAMPLE DATE	SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
4/27/00	042700-01	Penthouse / Pump Hoe Side (South)	1260L
	042700-02	Penthouse / Middle	
	042700-03	Penthouse / North end	
	042700-04	Penthouse / Middle	
	042700-05	Rm# 10002	
	042700-06	Rm# 10025	
	042700-07	Rm# 10201	
	042700-08	Rm# 10236	
4/27/00	042700-09	Field Blank	1260L

GSA

GSA National Capital Region - Public Buildings Service
Safety, Environment & Fire Protection Branch (WPYG)

FILE

AUGUST 20, 2001

MEMORANDUM TO: KERRY BONOS
WHITE HOUSE SDT (WPW)

GALEN GREEN
WHITE HOUSE PROJECTS OFFICE (WPW)

FROM: TIM SLEETH, INDUSTRIAL HYGIENIST
SAFETY, ENVIRONMENT AND
FIRE PROTECTION BRANCH (WPYG)

SUBJECT: ASBESTOS ABATEMENT MONITORING
FAN COIL REPLACEMENT PROJECT-CHILLED WATER/HOT WATER SUPPLY LINE ACCESS DOOR INSTALLATION
7TH FLOOR, ROOM 7215-7227, RISERS 40A-46A
NEW EXECUTIVE OFFICE BUILDING (NEOB)
725 17TH ST., NW
WASHINGTON, DC

On July 27th & 28th, 2001, Industrial Hygiene Technology, Inc., (IHT) monitored the abatement of known asbestos-containing materials (ACMs) from the New Executive Office Building (NEOB), located at 725 17th St., NW, Washington, DC. During abatement operations asbestos containing thermal system insulation, overspray/delaminated spray fire retardant, and contaminated debris were removed from various areas in the NEOB (See attached report).

Asbestos abatement activities were conducted utilizing negative pressure "mini-enclosures". Additionally, wet methods and HEPA (High Efficiency Particulate Air) vacuums were utilized during abatement operations to control fiber release. During asbestos abatement operation workers utilized protective clothing and half-face HEPA respirators.

Air monitoring samples were collected and analyzed on site by Phase Contrast Microscopy (PCM), NIOSH 7400 Method. All final clearance air samples collected yielded results below then Reoccupancy Standard of <0.01 fibers/cc. Please retain a copy of this report for your asbestos facility files.

Should you have any questions please contact me at (202) 708-5257.

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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

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: 7TH Floor Room 7215- 7227, Risers 40A-46A, Mini-Containment Work Area's A, B, C, D, E, & F.

Order Number:	**Contract Number:**	**ACT Number:**
P-11-01-DC-0107	GS11P00MQD0098	PO2642534

Project Date (s): July 27 & 28, 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, July 27, 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, July 28, 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.

IHT conducted sampling in each of 6 mini-containments, (7TH Floor Room 7215- 7227, Risers 40A-46A, Mini-Containment Work Area's A, B, C, D, E, & F.), 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 8:30 PM 07/28/01. 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.

Deviations:

The GSA scope of work specifies cleaning of the Fan Coil Units. This work will be conducted during a future phase of the project. Due to the size of each mini-containment, 2 final clearance samples were utilized to clear each containment. This is a deviation from the GSA clearance protocol, but in conformance with District of Columbia Asbestos Regulation. Deviation was taken with approval of GSA, and as the change was in compliance with applicable regulations, provided adequate assessment for completion, facilitated timely project completion, and provided significant overall cost savings for the client.

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: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 28 July 01	

REMOVAL CONTRACTOR: Hillian **CONTRACTOR SUPERVISOR:** Silvio Argueta		**MONITORING CONTRACTOR:** INDUSTRIAL HYGIENE TECHNOLOGIES, INC.	
		TIME START: 0600	**TIME COMPLETE:** 1815
ABATEMENT SCOPE OF WORK: Demolition, Decontamination w/ possible TSI removal			
TYPE OF ASBESTOS MATERIAL ABATED	**Category 1 Friable**	**QTY. OF ASBESTOS MATERIAL ABATED**	11 Fittings

OSHA ACTIVITY CLASSIFICATION	**CLASS I**	**X**	**CLASS II**		**CLASS III**		**CLASS IV**	

DESCRIBE SPECIFIC WORK AREA INSPECTED: NEOB: 7TH Floor Room 7215- 7227 Risers 40A-46A, Mini-Containment Work Area's A, B, C, D, E, & F.

TOTAL SQUARE FOOTAGE OF WORK AREA: 6 Mini-Containments (F- 30ft²) (E -20ft²) (D- 20ft²) (C -10ft²) (B- 80ft²) (A- 30ft²)

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: 28 July 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: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 28 July 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				
2534-072801-19RR	POST	New Executive Office Building: Room 7215 adj to Risers 41-40A, Work Area A inside Mini-Containment	10.0	10.0	11:54 AM	1:54 PM	120	1200.0	38.5	0.016
2534-072801-20RR	POST	New Executive Office Building: Room 7215 adj to Risers 41-40A, Work Area A inside Mini-Containment	10.0	10.0	11:54 AM	1:54 PM	120	1200.0	32.0	0.013
2534-072801-21RR	POST	New Executive Office Building: Room 7217 adj to Risers 42A, Work Area B inside Mini-Containment	10.0	10.0	11:57 AM	1:57 PM	120	1200.0	20.0	0.008
2534-072801-22RR	POST	New Executive Office Building: Room 7217 adj to Risers 42A, Work Area B inside Mini-Containment	10.0	10.0	11:57 AM	1:57 PM	120	1200.0	19.0	0.008

Signature of Inspector/Project Monitor: _____ Date: 28 July 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: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 28 July 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				
2534-072801-23RR	POST	New Executive Office Building: Room 7223 adj to Riser 43A Work Area C inside Mini-Containment	10.0	10.0	2:01 PM	4:01 PM	120	1200.0	9.5	0.004
2534-072801-24RR	POST	New Executive Office Building: Room 7223 adj to Riser 43A Work Area C inside Mini-Containment	10.0	10.0	2:01 PM	4:01 PM	120	1200.0	8.0	0.003
2534-072801-25RR	POST	New Executive Office Building: Room 7225 adj to Riser 44A Work Area D inside Mini-Containment	10.0	10.0	2:37 PM	4:37 PM	120	1200.0	6.0	0.003
2534-072801-26RR	POST	New Executive Office Building: Room 7225 adj to Riser 44A Work Area D inside Mini-Containment	10.0	10.0	2:37 PM	4:37 PM	120	1200.0	9.5	0.004

Signature of Inspector/Project Monitor: _____ Date: 28 July 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: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 28 July 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				
2534-072801-27RR	POST	New Executive Office Building: Room 7225 adj to Risers 45A Work Area E inside Mini-Containment	10.0	10.0	2:41 PM	4:41 PM	120	1200.0	5.0	0.003
2534-072801-28RR	POST	New Executive Office Building: Room 7225 adj to Risers 45A Work Area E inside Mini-Containment	10.0	10.0	2:41 PM	4:41 PM	120	1200.0	4.5	0.003
2534-072801-27RR	POST	New Executive Office Building: Room 7227 adj to Risers 46A Work Area F inside Mini-Containment	10.0	10.0	3:36 PM	5:36 PM	120	1200.0	3.0	0.003
2534-072801-28RR	POST	New Executive Office Building: Room 7227 adj to Risers 46A Work Area F inside Mini-Containment	10.0	10.0	3:36 PM	5:36 PM	120	1200.0	2.5	0.003

Signature of Inspector/Project Monitor: _____ Date: 28 July 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: 7TH Floor Fan Coil Unit Replacement Project	**DATE:** 28 July 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				
2534-072801-35RR	POST	New Executive Office Building: Room 7215 adj to Risers 41-40A, Work Area A inside Mini-Containment	10.0	10.0	3:04 PM	5:04 PM	120	1200.0	15.5	0.006
2534-072801-36RR	POST	New Executive Office Building: Room 7215 adj to Risers 41-40A, Work Area A inside Mini-Containment	10.0	10.0	3:04 PM	5:04 PM	120	1200.0	13.0	0.005

Signature of Inspector/Project Monitor: _____ Date: 28 July 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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Industrial Hygiene Tec[illegible]ologies, 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: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 28 July 01	

REMOVAL CONTRACTOR: Hillian **CONTRACTOR SUPERVISOR:** Silvio Argueta		**MONITORING CONTRACTOR:** INDUSTRIAL HYGIENE TECHNOLOGIES, INC.	
		TIME START: 0630	**TIME COMPLETE:** 1830
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: 28 July 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

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: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 28 July 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: 28 July 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: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 28 July 01	

REMOVAL CONTRACTOR: Hillian **CONTRACTOR SUPERVISOR:** Silvio Argueta		**MONITORING CONTRACTOR:** INDUSTRIAL HYGIENE TECHNOLOGIES, INC.	
TIME ON SITE: 0630	**TIME OFF SITE:** 1830	**TIME ON SITE:** 0615	**TIME OFF SITE:** 1815
ABATEMENT SCOPE OF WORK: Demolition, Decontamination w/ TSI removal			
GENERAL SHIFT WORK PLAN: (6) Mini-Containments w/ Non-ACM demolition & ACM decontamination			
TYPE AND QUANTITY OF ASBESTOS REMOVED THIS SHIFT: (11) 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: 28 July 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: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 28 July 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: 28 July 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: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 28 July 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: 7TH Floor Room 7215- 7227 Risers 40A-46A, Mini-Containment Work Area's A, B, C, D, E, & F. Hillian has been contracted to cut out (13) 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: 7TH Floor Room 7215- 7227 Risers 40A-46A, Mini-Containment Work Area's A, B, C, D, E, & F.

0700: Hillian supervisor informs IHT that Hillian forgot to bring pump sprayers to the job site. Hillian will not be able to commence removal operations without pump sprayers. Hillian supervisor to depart site to get pump sprayers.

0830: Hillian workers commence demolition operations in NEOB: 7TH Floor Room 7215- 7227 Risers 40A-46A, Mini-Containment Work Area's A, B, C, D, E, & F.

1000: Hillian supervisor informs IHT that they are having trouble with the reciprocating saws. Hillian supervisor to depart site to get another reciprocating saw. Hillian supervisor expects to complete fine cleaning in Work Area's A & B shortly.

1130-1200: Hillian Lunch.

1430: Hillian workers complete demolition and decontamination operations in NEOB: 7TH Floor Room 7215- 7227 Risers 40A-46A, Mini-Containment Work Area's A, B, C, D, E, & F. Hillian informs IHT that Hillian encountered a total of (5) TSI fittings.

1830: Hillian departed the site.

Signature of Inspector/Project Monitor: _____ Date: 28 July 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: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 28 July 01	

Sampling

0600: IHT on site to perform area air monitoring and abatement quality control.

0700: IHT began sampling.

1815: IHT completed sampling. IHT off site.

Inspections

0805-1330: IHT conducts pre-commencement inspection of NEOB: 7TH Floor Room 7215- 7227 Risers 40A-46A, Mini-Containment Work Area's A, B, C, D, E, & F. 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: 7TH Floor Room 7215- 7227 Risers 40A-46A, Mini-Containment Work Area's A, B, C, D, E, & F.

1000: IHT conduct pre-sealant inspection of NEOB: 7TH Floor Room 7215 Risers 40A-41A, Mini-Containment Work Area A. IHT notes area not free of visible ACM dust and debris. **Deemed un-satisfactory.** Hillian requested to re-clean work area.

1045-1435: IHT conduct pre-sealant inspection of NEOB: 7TH Floor Room 7215- 7227 Risers 40A-46A, Mini-Containment Work Area's A, B, C, D, E, & F. IHT notes area free of visible ACM dust and debris. Hillian supervisor informs IHT that Hillian workers encountered (11) TSI fittings. Deemed satisfactory. Hillian authorized to encapsulate work area.

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: 7TH Floor Room 7215- 7227 Risers 40A-46A, Mini-Containment Work Area's A, B, C, D, E, & F reported airborne fiber concentration levels below 0.01 fibers/cc. However, IHT notes that several samples located inside the decon unit reported airborne fiber levels above 0.01 fibers/cc. PCM air sampling located outside work area were all below re-occupancy. IHT directs Hillian to wet wipe DCON unit's and request that Hillian workers use more water while conducting demolition operations. IHT notes that a significant amount of PCM area samples located inside the various work areas were overloaded. IHT recommends that Hillian employ an airless sprayer during demolition operations.

PCM post abatement air sample analysis preformed: IHT reported two elevated sample results: NEOB: 7TH Floor Room 7215 Risers 40A-41A, Mini-Containment Work Area A failed first set of PCM sampling. IHT directed Hillian to re-clean and re-encapsulate work area... All other PCM samples inside NEOB: 7TH Floor Room 7215- 7227 Risers 40A-46A, Mini-Containment Work Area's B, C, D, E, & F and NEOB: 7TH Floor Room

Signature of Inspector/Project Monitor: _____ Date: 28 July 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: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 28 July 01	

7215 Risers 40A-41A, Mini-Containment Work Area A (2ND SET) reported airborne fiber concentration levels below 0.01 fibers/cc. Deemed Satisfactory. IHT authorizes Hillian to tear down NEOB: 7TH Floor Room 7215-7227 Risers 40A-46A, Mini-Containment Work Area's A, B, C, D, E, & F.

Signature of Inspector/Project Monitor: _____ Date: 28 July 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: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 28 July 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				
2534-072801-01RR	REM	New Executive Office Building: Hall adj to Room 7218	5.0	5.0	8:32 AM	11:17 AM	165	825	4.5	0.004
2534-072801-02RR	REM	New Executive Office Building: Hall adj to Room 7228	5.0	5.0	8:32 AM	11:17 AM	165	825	2.0	0.004
2534-072801-03RR	DCON	New Executive Office Building: Room 7215 adj to Risers 41-40A, Work Area A DCON Clean Room	10.0	10.0	8:24 AM	10:39 AM	135	1350	23.5	0.009
2534-072801-04RR	CB	New Executive Office Building: Room 7215 adj to Risers 41-40A, Work Area A critical barrier adj to DCON	10.0	10.0	8:24 AM	10:39 AM	135	1350	11.5	0.004
2534-072801-05RR	STA	New Executive Office Building: Room 7215 adj to Risers 41-40A, Work Area A inside Mini-Containment	3.0	3.0	8:06 AM	10:36 AM	150	450	74.5	0.081

Signature of Inspector/Project Monitor: _____ Date: 28 July 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: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 28 July 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				
2534-072801-06RR	DCON	New Executive Office Building: Room 7217 adj to Risers 42A, Work Area B DCON Clean Room	10.0	10.0	8:45 AM	10:44 AM	119	1190	25.5	0.011
2534-072801-07RR	CB	New Executive Office Building: Room 7217 adj to Risers 42A, Work Area B critical barrier adj to DCON	10.0	10.0	8:45 AM	10:44 AM	119	1190	12.5	0.005
2534-072801-08RR	STA	New Executive Office Building: Room 7217 adj to Risers 42A, Work Area B inside Mini-Containment	3.0	3.0	8:08 AM	10:48 AM	160	480	62.5	0.064
2534-072801-09RR	DCON	New Executive Office Building: Room 7223 adj to Riser 43A Work Area C DCON Clean Room	10.0	10.0	10:02 AM	1:02 PM	180	1800	33.5	0.009

Signature of Inspector/Project Monitor: _____ Date: 28 July 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: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 28 July 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				
2534-072801-10RR	CB	New Executive Office Building: Room 7223 adj to Riser 43A Work Area C critical barrier adj to DCON	10.0	10.0	10:02 AM	1:02 PM	180	1800	15.5	0.004
2534-072801-11RR	STA	New Executive Office Building: Room 7223 adj to Riser 43A Work Area C inside Mini-Containment	3.0	3.0	8:08 AM	1:03 PM	295	885	Particle Overload	Sample Void
2534-072801-12RR	DCON	New Executive Office Building: Room 7225 adj to Riser 44A Work Area D DCON Clean Room	10.0	10.0	1:04 PM	2:14 PM	70	700	23.0	0.016
2534-072801-13RR	CB	New Executive Office Building: Room 7225 adj to Riser 44A Work Area D critical barrier adj to DCON	10.0	10.0	1:04 PM	2:14 PM	70	700	13.5	0.009

Signature of Inspector/Project Monitor: _____ Date: 28 July 01

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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: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 28 July 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				
2534-072801-14RR	STA	New Executive Office Building: Room 7225 adj to Riser 44A Work Area D inside Mini-Containment	3.0	3.0	8:07 AM	2:17 PM	370	1110	61.5	0.027
2534-072801-15RR	DCON	New Executive Office Building: Room 7225 adj to Risers 45A Work Area E DCON Clean Room	10.0	10.0	1:08 PM	2:18 PM	70	700	16.5	0.012
2534-072801-16RR	CB	New Executive Office Building: Room 7225 adj to Risers 45A Work Area E critical barrier adj to DCON	10.0	10.0	1:08 PM	2:18 PM	70	700	13.0	0.009
2534-072801-17RR	STA	New Executive Office Building: Room 7225 adj to Risers 45A Work Area E inside Mini-Containment	3.0	3.0	8:07 AM	2:17 PM	370	1110	62.0	0.027

Signature of Inspector/Project Monitor: _____ Date: 28 July 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: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 28 July 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				
2534-072801-18RR	DCON	New Executive Office Building: Room 7227 adj to Risers 46A Work Area F DCON Clean Room	10.0	10.0	1:23 PM	2:33 PM	70	700	13.5	0.009
2534-072801-19RR	CB	New Executive Office Building: Room 7227 adj to Risers 46A Work Area F critical barrier adj to DCON	10.0	10.0	1:23 PM	2:33 PM	70	700	5.0	0.005
2534-072801-20RR	STA	New Executive Office Building: Room 7227 adj to Risers 46A Work Area F inside Mini-Containment	3.0	3.0	10:49 AM	2:34 PM	225	675	Particle Overload	Sample Void
2534-072801-33RR	REM	New Executive Office Building: Hall adj to Room 7218	5.0	5.0	11:17 AM	2:47 PM	210	1050	2.5	0.003
2534-072801-34RR	REM	New Executive Office Building: Hall adj to Room 7228	5.0	5.0	11:17 AM	2:47 PM	210	1050	1.0	0.003

Signature of Inspector/Project Monitor: _____ Date: 28 July 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

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: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 27 July 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: 27 July 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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Industrial Hygiene Tec ıologies, Inc.
Environmental & Industrial Hygiene Consultants

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PROJECT: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 27 July 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: 27 July 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: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 27 July 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: 7TH Floor Room 7215- 7227 Risers 40A-46A, Mini-Containment Work Area's A, B, C, D, E, & F.

1835: Hillian workers mobilize and commence prepwork in NEOB: 7TH Floor Room 7215- 7227 Risers 40A-46A, Mini-Containment Work Area's A, B, C, D, E, & F. IHT notes that Hillian was initially scheduled to conduct removal in NEOB: 7TH Floor Room 7227 - 7233 Risers 47A&48A; however, furniture was never removed from riser location. Hillian will not be able to perform scheduled removal within that area.

2130: Hillian workers halt prep work operations. Hillian to return to site tomorrow 7/28/01 @ 6:30AM to continue prepwork operations and commence demolition and decontamination with potential TSI fitting removal.

2200: Hillian departed the site.

Sampling

1800: IHT on site to perform area air monitoring and abatement quality control.

1840: 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: 27 July 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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Environmental & Industrial Hygiene Consultants

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BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 7TH Floor Fan Coil Unit Replacement Project		**DATE:** 27 July 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				
2534-072701-01RR	PRE	New Executive Office Building: Room 7227 adj to Risers 46A Work Area F inside Mini-Containment	10.0	10.0	7:02 PM	9:02 PM	120	1200.0	11.0	0.004
2534-072701-02RR	PRE	New Executive Office Building: Room 7227 adj to Risers 46A Work Area F inside Mini-Containment	10.0	10.0	7:02 PM	9:02 PM	120	1200.0	14.0	0.006
2534-072701-03RR	PRE	New Executive Office Building: Room 7225 adj to Risers 45A Work Area E inside Mini-Containment	10.0	10.0	7:05 PM	9:05 PM	120	1200.0	13.5	0.006
2534-072701-04RR	PRE	New Executive Office Building: Room 7225 adj to Risers 45A Work Area E inside Mini-Containment	10.0	10.0	7:05 PM	9:05 PM	120	1200.0	16.0	0.007

Signature of Inspector/Project Monitor: _____ Date: 27 July 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				
2534-072701-05RR	PRE	New Executive Office Building: Room 7225 adj to Riser 44A Work Area D inside Mini-Containment	10.0	10.0	7:09 PM	9:09 PM	120	1200.0	17.0	0.007
2534-072701-06RR	PRE	New Executive Office Building: Room 7225 adj to Riser 44A Work Area D inside Mini-Containment	10.0	10.0	7:09 PM	9:09 PM	120	1200.0	19.5	0.008
2534-072701-07RR	PRE	New Executive Office Building: Room 7223 adj to Riser 43A Work Area C inside Mini-Containment	10.0	10.0	7:11 PM	9:11 PM	120	1200.0	15.0	0.006
2534-072701-08RR	PRE	New Executive Office Building: Room 7223 adj to Riser 43A Work Area C inside Mini-Containment	10.0	10.0	7:11 PM	9:11 PM	120	1200.0	20.5	0.008

Signature of Inspector/Project Monitor: _____ Date: 27 July 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (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				
2534-072701-09RR	PRE	New Executive Office Building: Room 7217 adj to Risers 42A, Work Area B inside Mini-Containment	10.0	10.0	7:15 PM	9:15 PM	120	1200.0	18.0	0.007
2534-072701-10RR	PRE	New Executive Office Building: Room 7217 adj to Risers 42A, Work Area B inside Mini-Containment	10.0	10.0	7:15 PM	9:15 PM	120	1200.0	14.5	0.006
2534-072701-11RR	PRE	New Executive Office Building: Room 7215 adj to Risers 41-40A, Work Area A inside Mini-Containment	10.0	10.0	7:17 PM	9:17 PM	120	1200.0	12.0	0.005
2534-072701-12RR	PRE	New Executive Office Building: Room 7215 adj to Risers 41-40A, Work Area A inside Mini-Containment	10.0	10.0	7:17 PM	9:17 PM	120	1200.0	11.5	0.005

Signature of Inspector/Project Monitor: _____ Date: 27 July 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (Print/Type)

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GSA

GSA National Capital Region - Public Buildings Service
Safety, Environment & Fire Protection Branch (WPYG)

FILE

AUGUST 20, 2001

MEMORANDUM TO: KERRY BONOS
WHITE HOUSE SDT (WPW)

GALEN GREEN
WHITE HOUSE PROJECTS OFFICE (WPW)

FROM: TIM SLEETH, INDUSTRIAL HYGIENIST
SAFETY, ENVIRONMENT AND
FIRE PROTECTION BRANCH (WPYG)

SUBJECT: ASBESTOS ABATEMENT MONITORING
FAN COIL REPLACEMENT PROJECT-CHILLED WATER/HOT WATER SUPPLY LINE ACCESS DOOR INSTALLATION
8TH FLOOR, ROOM 8236, MINI-CONTAINMENT WORK AREAS A, B, C, D, E, F, G, H, I, J, K, L, M.
NEW EXECUTIVE OFFICE BUILDING (NEOB)
725 17TH ST., NW
WASHINGTON, DC

On August 3rd & 4th, 2001, Industrial Hygiene Technology, Inc., (IHT) monitored the abatement of known asbestos-containing materials (ACMs) from the New Executive Office Building (NEOB), located at 725 17th St., NW, Washington, DC. During abatement operations asbestos containing thermal system insulation, overspray/delaminated spray fire retardant, and contaminated debris were removed from various areas in the NEOB (See attached report).

Asbestos abatement activities were conducted utilizing negative pressure "mini-enclosures". Additionally, wet methods and HEPA (High Efficiency Particulate Air) vacuums were utilized during abatement operations to control fiber release. During asbestos abatement operation workers utilized protective clothing and half-face HEPA respirators.

Air monitoring samples were collected and analyzed on site by Phase Contrast Microscopy (PCM), NIOSH 7400 Method. All final clearance air samples collected yielded results below then Reoccupancy Standard of <0.01 fibers/cc. Please retain a copy of this report for your asbestos facility files.

Should you have any questions please contact me at (202) 708-5257.

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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

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: 8TH Floor Room 8236 Mini-Containment Work Area's A, B, C, D, E, F, G, H, I , J, K, L & M.

Order Number:	**Contract Number:**	**ACT Number:**
P-11-01-DC-0107	GS11P00MQD0098	PO2642534

Project Date (s): August 3 & 4, 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 3, 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 4, 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.

IHT conducted sampling in each of 13 mini-containments, (NEOB: 8TH Floor Room 8236 Mini-Containment Work Area's A, B, C, D, E, F, G, H, I , J, K, L & M.), 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 3:30 PM 08/04/01. 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.

Deviations:

The GSA scope of work specifies cleaning of the Fan Coil Units. This work will be conducted during a future phase of the project. Due to the size of each mini-containment, 2 final clearance samples were utilized to clear each containment. This is a deviation from the GSA clearance protocol, but in conformance with District of Columbia Asbestos Regulation. Deviation was taken with approval of GSA, and as the change was in compliance with applicable regulations, provided adequate assessment for completion, facilitated timely project completion, and provided significant overall cost savings for the client.

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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 03 August 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: Rebecca Hicks Date: 03 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (Print/Type)

7220-U Telegraph Square Drive, Lorton, Virginia 22079 (703) 541-9015, Fax (703) 541-9019

Industrial Hygiene Tec ıologies, 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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 03 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: Rebecca Hicks Date: 03 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 03 August 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 8236 Mini-Containment Work Area's A, B, C, D, E, F, G, H, I, J, K, L, & M.

1835: Hillian workers mobilize and commence prepwork in NEOB: 8TH Floor Room 8236 Mini-Containment Work Area's A, B, C, D, E, F, G, H, I, J, K, L, & M.

2130: Hillian workers halt prep work operations. Hillian to return to site tomorrow 08/04/01 @ 6:30AM to continue prepwork operations and commence demolition and decontamination with potential TSI fitting removal.

2200: Hillian departed the site.

Sampling

1800: IHT on site to perform area air monitoring and abatement quality control.

1840: 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: Rebecca Hicks Date: 03 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 03 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				
2534-080301-01RH	PRE	New Executive Office Building: Room 8236, Work Area A inside Mini-Containment	10.0	10.0	7:34 PM	9:34 PM	120	1200.0	7.5	0.003
2534-080301-02RH	PRE	New Executive Office Building: Room 8236, Work Area B inside Mini-Containment	10.0	10.0	7:31 PM	9:31 PM	120	1200.0	9.0	0.004
2534-080301-03RH	PRE	New Executive Office Building: Room 8236, Work Area C inside Mini-Containment	10.0	10.0	7:27 PM	9:27 PM	120	1200.0	8.5	0.003
2534-080301-04RH	PRE	New Executive Office Building: Room 8236, Work Area D inside Mini-Containment	10.0	10.0	7:25 PM	9:25 PM	120	1200.0	8.0	0.003

Signature of Inspector/Project Monitor: _____ Date: 03 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (Print/Type)

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Industrial Hygiene Technologies, Inc.
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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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 03 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				
2534-080301-05RH	PRE	New Executive Office Building: Room 8236, Work Area E inside Mini-Containment	10.0	10.0	7:19 PM	9:19 PM	120	1200.0	6.5	<0.003
2534-080301-06RH	PRE	New Executive Office Building: Room 8236, Work Area F inside Mini-Containment	10.0	10.0	7:15 PM	9:15 PM	120	1200.0	3.5	<0.003
2534-080301-07RH	PRE	New Executive Office Building: Room 8236, Work Area G inside Mini-Containment	10.0	10.0	7:12 PM	9:12 PM	120	1200.0	4.5	<0.003
2534-080301-08RH	PRE	New Executive Office Building: Room 8236, Work Area H inside Mini-Containment	10.0	10.0	7:09 PM	9:09 PM	120	1200.0	3.0	<0.003

Signature of Inspector/Project Monitor: Rebecca Hicks Date: 03 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 03 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				
2534-080301-09RH	PRE	New Executive Office Building: Room 8236, Work Area I inside Mini-Containment	10.0	10.0	7:08 PM	9:08 PM	120	1200.0	7.0	0.003
2534-080301-10RH	PRE	New Executive Office Building: Room 8236, Work Area J inside Mini-Containment	10.0	10.0	7:04 PM	9:04 PM	120	1200.0	6.5	<0.003
2534-080301-11RH	PRE	New Executive Office Building: Room 8236, Work Area K inside Mini-Containment	10.0	10.0	7:02 PM	9:02 PM	120	1200.0	4.0	<0.003
2534-080301-12RH	PRE	New Executive Office Building: Room 8236, Work Area L inside Mini-Containment	10.0	10.0	7:00 PM	9:00 PM	120	1200.0	6.0	<0.003

Signature of Inspector/Project Monitor: Rebecca Hicks Date: 03 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 03 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				
2534-080301-13RH	PRE	New Executive Office Building: Room 8236, Work Area M inside Mini-Containment	10.0	10.0	6:56 PM	8:56 PM	120	1200.0	5.5	<0.003

Signature of Inspector/Project Monitor: Rebecca Hicks Date: 03 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (Print/Type)

7220-U Telegraph Square Drive, Lorton, Virginia 22079 (703) 541-9015, Fax (703) 541-9019

Industrial Hygiene Tec ologies, 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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 04 August 01	

REMOVAL CONTRACTOR: Hillian **CONTRACTOR SUPERVISOR:** Silvio Argueta		**MONITORING CONTRACTOR:** INDUSTRIAL HYGIENE TECHNOLOGIES, INC.	
		TIME START: 0630	**TIME COMPLETE:** 1530
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: Rebecca Hicks Date: 04 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (Print/Type)

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Industrial Hygiene Tec ologies, 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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 04 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	
	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: Rebecca Hicks Date: 04 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (Print/Type)

7220-U Telegraph Square Drive, Lorton, Virginia 22079 (703) 541-9015, Fax (703) 541-9019

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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 04 August 01	

REMOVAL CONTRACTOR: Hillian **CONTRACTOR SUPERVISOR:** Silvio Argueta		**MONITORING CONTRACTOR:** INDUSTRIAL HYGIENE TECHNOLOGIES, INC.	
TIME ON SITE: 0630	**TIME OFF SITE:** 1530	**TIME ON SITE:** 0615	**TIME OFF SITE:** 1515
ABATEMENT SCOPE OF WORK: Demolition, Decontamination w/ TSI removal			
GENERAL SHIFT WORK PLAN: (13) Mini-Containments w/ Non-ACM demolition & ACM decontamination			
TYPE AND QUANTITY OF ASBESTOS REMOVED THIS SHIFT: (22) 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: Rebecca Hicks Date: 04 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (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:** 04 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: Rebecca Hicks Date: 04 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (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:** 04 August 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 8236 Mini-Containment Work Area's A, B, C, D, E, F, G, H, I, J, K, L, & M. Hillian has been contracted to cut out (23) 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 8236 Mini-Containment Work Area's A, B, C, D, E, F, G, H, I, J, K, L, & M..

0730: Hillian workers commence demolition operations in NEOB: 8TH Floor Room 8236 Mini-Containment Work Area's A, B, C, D, E, F, G, H, I, J, K, L, & M.

1220: Hillian workers complete demolition and decontamination operations in NEOB: 8TH Floor Room 8236 Mini-Containment Work Area's A, B, C, D, E, F, G, H, I, J, K, L, & M. Hillian informs IHT that Hillian encountered a total of (22) TSI fittings.

1300-1400: Hillian Lunch.

1530: Hillian departed the site.

Sampling

0600: IHT on site to perform area air monitoring and abatement quality control.

0700: IHT began sampling.

1530: IHT completed sampling. IHT off site.

Signature of Inspector/Project Monitor: Rebecca Hicks Date: 04 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (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:** 04 August 01	

Inspections

0725-1130: IHT conducts pre-commencement inspection of NEOB: 8TH Floor Room 8236 Mini-Containment Work Area's A, B, C, D, E, F, G, H, I, J, K, L, & M. 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 8236 Mini-Containment Work Area's A, B, C, D, E, F, G, H, I, J, K, L, & M.

0855-1235: IHT conduct pre-sealant inspection of NEOB: 8TH Floor Room 8236 Mini-Containment Work Area's A, B, C, D, E, F, G, H, I, J, K, L, & M. IHT notes area free of visible ACM dust and debris. Hillian supervisor informs IHT that Hillian workers encountered (22) TSI fittings. Deemed satisfactory. Hillian authorized to encapsulate work area.

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 8236 Mini-Containment Work Area's A, B, C, D, E, F, G, H, I, J, K, L, & M reported airborne fiber concentration levels below 0.01 fibers/cc. However, IHT notes that several samples located inside the decon unit reported airborne fiber levels above 0.01 fibers/cc. PCM air sampling located outside work area were all below re-occupancy. IHT directs Hillian to wet wipe DCON unit's and request that Hillian workers use more water while conducting demolition operations. IHT notes that a significant amount of PCM area samples located inside the various work areas were overloaded. IHT recommends that Hillian employ an airless sprayer during demolition operations.

PCM post abatement air sample analysis preformed: All PCM samples inside NEOB: 8TH Floor Room 8236 Mini-Containment Work Area's A, B, C, D, E, F, G, H, I, J, K, L, & M reported airborne fiber concentration levels below 0.01 fibers/cc. Deemed Satisfactory. IHT authorizes Hillian to tear down NEOB: 8TH Floor Room 8236 Mini-Containment Work Area's A, B, C, D, E, F, G, H, I, J, K, L, & M.

Signature of Inspector/Project Monitor: Rebecca Hicks Date: 04 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 04 August 01	

Microscopist: Rebecca Hicks
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers/ 100 fields	Fibers/ cc
			on	off	on	off				
2534-080401-01RH	REM	New Executive Office Building: Hall adj to Room 8235	5.0	5.0	7:55 AM	12:05 PM	250	1250	2.0	<0.003
2534-080401-02RH	REM	New Executive Office Building: Hall adj to Room 8222	5.0	5.0	7:55 AM	12:05 PM	250	1250	1.5	<0.003
2534-080401-03RH	DCON	New Executive Office Building: Room 8236 Work Area A DCON Clean Room	10.0	10.0	7:29 AM	8:59 AM	90	900	3.5	<0.004
2534-080401-04RH	CB	New Executive Office Building: Room 8236 Work Area A critical barrier adj to DCON	10.0	10.0	7:29 AM	8:59 AM	90	900	4.0	<0.004
2534-080401-05RH	STA	New Executive Office Building: Room 8236 Work Area A inside Mini-Containment	2.0	2.0	7:29 AM	8:59 AM	90	180	7.0	0.019

Signature of Inspector/Project Monitor: Rebecca Hicks Date: 04 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 04 August 01	

Microscopist: Rebecca Hicks (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers/ 100 fields	Fibers/ cc
			on	off	on	off				
2534-080401-06RH	DCON	New Executive Office Building: Room 8236 Work Area B DCON Clean Room	10.0	10.0	7:38 AM	9:18 AM	100	1000	4.5	<0.003
2534-080401-07RH	CB	New Executive Office Building: Room 8236 Work Area B critical barrier adj to DCON	10.0	10.0	7:38 AM	9:18 AM	100	1000	3.5	<0.003
2534-080401-08RH	STA	New Executive Office Building: Room 8236 Work Area B inside Mini-Containment	2.0	2.0	7:37 AM	9:17 AM	100	200	7.0	0.017
2534-080401-09RH	DCON	New Executive Office Building: Room 8236 Work Area C DCON Clean Room	10.0	10.0	7:47 AM	9:02 AM	75	750	3.0	<0.005
2534-080401-10RH	CB	New Executive Office Building: Room 8236 Work Area C critical barrier adj to DCON	10.0	10.0	7:47 AM	9:02 AM	75	750	2.5	<0.005

Signature of Inspector/Project Monitor: Rebecca Hicks Date: 04 August 01

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Microscopist: Rebecca Hicks (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers/ 100 fields	Fibers/ cc
			on	off	on	off				
2534-080401-11RH	STA	New Executive Office Building: Room 8236 Work Area C inside Mini-Containment	2.0	2.0	7:47 AM	9:02 AM	75	150	6.5	<0.023
2534-080401-12RH	DCON	New Executive Office Building: Room 8236 Work Area D DCON Clean Room	10.0	10.0	8:07 AM	9:47 AM	100	1000	4.0	<0.003
2534-080401-13RH	CB	New Executive Office Building: Room 8236 Work Area D critical barrier adj to DCON	10.0	10.0	8:07 AM	9:47 AM	100	1000	3.5	<0.003
2534-080401-14RH	STA	New Executive Office Building: Room 8236 Work Area D inside Mini-Containment	2.5	2.5	8:07 AM	9:47 AM	100	250	8.5	0.017
2534-080401-15RH	DCON	New Executive Office Building: Room 8236 Work Area E DCON Clean Room	10.0	10.0	8:34 AM	9:54 AM	80	800	5.0	<0.004

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Microscopist: Rebecca Hicks (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers/ 100 fields	Fibers/ cc
			on	off	on	off				
2534-080401-16RH	CB	New Executive Office Building: Room 8236 Work Area E critical barrier adj to DCON	10.0	10.0	8:34 AM	9:54 AM	80	800	3.0	<0.004
2534-080401-17RH	STA	New Executive Office Building: Room 8236 Work Area E inside Mini-Containment	2.2	2.2	8:35 AM	9:55 AM	80	176	8.0	0.022
2534-080401-18RH	DCON	New Executive Office Building: Room 8236 Work Area F DCON Clean Room	10.0	10.0	8:39 AM	9:49 AM	70	700	3.5	<0.005
2534-080401-19RH	CB	New Executive Office Building: Room 8236 Work Area F critical barrier adj to DCON	10.0	10.0	8:39 AM	9:49 AM	70	700	2.0	<0.005

Signature of Inspector/Project Monitor: Rebecca Hicks Date: 04 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (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:** 04 August 01	

Microscopist: Rebecca Hicks (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers/ 100 fields	Fibers/ cc
			on	off	on	off				
2534-080401-20RH	STA	New Executive Office Building: Room 8236 Work Area F inside Mini-Containment	2.0	2.0	8:39 AM	9:49 AM	70	140	9.5	0.033
2534-080401-21RH	DCON	New Executive Office Building: Room 8236 Work Area G DCON Clean Room	10.0	10.0	8:43 AM	10:18 AM	95	950	7.5	0.004
2534-080401-22RH	CB	New Executive Office Building: Room 8236 Work Area G critical barrier adj to DCON	10.0	10.0	8:43 AM	10:18 AM	95	950	5.0	<0.004
2534-080401-23RH	STA	New Executive Office Building: Room 8236 Work Area G inside Mini-Containment	2.0	2.0	8:44 AM	10:19 AM	95	190	12.0	0.031
2534-080401-24RH	DCON	New Executive Office Building: Room 8236 Work Area H DCON Clean Room	10.0	10.0	8:45 AM	10:25 AM	100	1000	3.0	<0.003

Signature of Inspector/Project Monitor: Rebecca Hicks Date: 04 August 01

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Microscopist: Rebecca Hicks
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers/ 100 fields	Fibers/ cc
			on	off	on	off				
2534-080401-25RH	CB	New Executive Office Building: Room 8236 Work Area H critical barrier adj to DCON	10.0	10.0	8:45 AM	10:25 AM	100	1000	2.5	<0.003
2534-080401-26RH	STA	New Executive Office Building: Room 8236 Work Area H inside Mini-Containment	2.5	2.5	8:48 AM	10:28 AM	100	250	8.5	0.017
2534-080401-27RH	DCON	New Executive Office Building: Room 8236 Work Area I DCON Clean Room	10.0	10.0	9:30 AM	10:50 AM	80	800	2.0	<0.004
2534-080401-28RH	CB	New Executive Office Building: Room 8236 Work Area I critical barrier adj to DCON	10.0	10.0	9:30 AM	10:50 AM	80	800	2.5	<0.004

Signature of Inspector/Project Monitor: Rebecca Hicks Date: 04 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:** 04 August 01	

Microscopist: Rebecca Hicks (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers/ 100 fields	Fibers/ cc
			on	off	on	off				
2534-080401-29RH	STA	New Executive Office Building: Room 8236 Work Area I inside Mini-Containment	2.5	2.5	9:31 AM	10:51 AM	80	200	8.5	0.021
2534-080401-30RH	DCON	New Executive Office Building: Room 8236 Work Area J DCON Clean Room	10.0	10.0	9:35 AM	11:35 AM	120	1200	4.5	<0.003
2534-080401-31RH	CB	New Executive Office Building: Room 8236 Work Area J critical barrier adj to DCON	10.0	10.0	9:35 AM	11:35 AM	120	1200	3.0	<0.003
2534-080401-32RH	STA	New Executive Office Building: Room 8236 Work Area J inside Mini-Containment	2.0	2.0	9:36 AM	11:36 AM	120	240	7.5	0.015
2534-080401-33RH	DCON	New Executive Office Building: Room 8236 Work Area K DCON Clean Room	10.0	10.0	9:40 AM	11:10 AM	90	900	2.5	<0.004

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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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 04 August 01	

Microscopist: Rebecca Hicks
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers/ 100 fields	Fibers/ cc
			on	off	on	off				
2534-080401-34RH	CB	New Executive Office Building: Room 8236 Work Area K critical barrier adj to DCON	10.0	10.0	9:40 AM	11:10 AM	90	900	2.0	<0.004
2534-080401-35RH	STA	New Executive Office Building: Room 8236 Work Area K inside Mini-Containment	2.0	2.0	9:38 AM	11:13 AM	95	190	10.0	0.026
2534-080401-36RH	DCON	New Executive Office Building: Room 8236 Work Area L DCON Clean Room	10.0	10.0	11:20 AM	12:30 PM	70	700	3.5	<0.005
2534-080401-37RH	CB	New Executive Office Building: Room 8236 Work Area L critical barrier adj to DCON	10.0	10.0	11:20 AM	12:30 PM	70	700	4.0	<0.005

Signature of Inspector/Project Monitor: Rebecca Hicks Date: 04 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 04 August 01	

Microscopist: Rebecca Hicks (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers/ 100 fields	Fibers/ cc
			on	off	on	off				
2534-080401-38RH	STA	New Executive Office Building: Room 8236 Work Area L inside Mini-Containment	2.0	2.0	11:22 AM	12:32 PM	70	140	9.5	0.033
2534-080401-39RH	DCON	New Executive Office Building: Room 8236 Work Area M DCON Clean Room	10.0	10.0	10:31 AM	11:41 AM	70	700	4.5	<0.005
2534-080401-40RH	CB	New Executive Office Building: Room 8236 Work Area M critical barrier adj to DCON	10.0	10.0	10:31 AM	11:41 AM	70	700	3.5	<0.005
2534-080401-41RH	STA	New Executive Office Building: Room 8236 Work Area M inside Mini-Containment	2.0	2.0	10:30 AM	11:45 AM	75	150	8.5	0.028

Signature of Inspector/Project Monitor: Rebecca Hicks Date: 04 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (Print/Type)

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Industrial Hygiene Tec ologies, 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:** 04 August 01	

REMOVAL CONTRACTOR: Hillian **CONTRACTOR SUPERVISOR:** Silvio Argueta				**MONITORING CONTRACTOR:** INDUSTRIAL HYGIENE TECHNOLOGIES, INC.				
				TIME START: 0600			**TIME COMPLETE:** 1815	
ABATEMENT SCOPE OF WORK: Demolition, Decontamination w/ possible TSI removal								
TYPE OF ASBESTOS MATERIAL ABATED	**Category 1 Friable**			**QTY. OF ASBESTOS MATERIAL ABATED**	22 Fittings			
OSHA ACTIVITY CLASSIFICATION	**CLASS I**	**X**	**CLASS II**		**CLASS III**		**CLASS IV**	
DESCRIBE SPECIFIC WORK AREA INSPECTED: NEOB: 8TH Floor Room 8236 Mini-Containment Work Area's A, B, C, D, E, F, G, H, I , J, K, L & M.								
TOTAL SQUARE FOOTAGE OF WORK AREA: 13 Mini-Containments								
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: Rebecca Hicks Date: 04 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (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				
2534-080401-42RH	POST	New Executive Office Building: Room 8236 Work Area A inside Mini-Containment	10.0	10.0	9:53 AM	11:53 AM	120	1200.0	2.5	<0.003
2534-080401-43RH	POST	New Executive Office Building: Room 8236 Work Area A inside Mini-Containment	10.0	10.0	9:53 AM	11:53 AM	120	1200.0	3.0	<0.003
2534-080401-44RH	POST	New Executive Office Building: Room 8236 Work Area B inside Mini-Containment	10.0	10.0	10:08 AM	12:08 PM	120	1200.0	4.0	<0.003
2534-080401-45RH	POST	New Executive Office Building: Room 8236 Work Area B inside Mini-Containment	10.0	10.0	10:08 AM	12:08 PM	120	1200.0	3.5	<0.003

Signature of Inspector/Project Monitor: _____ Date: 04 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (Print/Type)

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ABATEMENT FINAL INSPECTION CHECKLIST & LOG

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BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
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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				
2534-080401-46RH	POST	New Executive Office Building: Room 8236 Work Area C inside Mini-Containment	10.0	10.0	9:55 AM	11:55 AM	120	1200.0	0.0	<0.003
2534-080401-47RH	POST	New Executive Office Building: Room 8236 Work Area C inside Mini-Containment	10.0	10.0	9:55 AM	11:55 AM	120	1200.0	2.5	<0.003
2534-080401-48RH	POST	New Executive Office Building: Room 8236 Work Area D inside Mini-Containment	10.0	10.0	10:40 AM	12:40 PM	120	1200.0	5.0	<0.003
2534-080401-49RH	POST	New Executive Office Building: Room 8236 Work Area D inside Mini-Containment	10.0	10.0	10:40 AM	12:40 PM	120	1200.0	4.0	<0.003

Signature of Inspector/Project Monitor: _____ Date: 04 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (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:** 04 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				
2534-080401-50RH	POST	New Executive Office Building: Room 8236 Work Area E inside Mini-Containment	10.0	10.0	10:50 AM	12:50 PM	120	1200.0	1.0	<0.003
2534-080401-51RH	POST	New Executive Office Building: Room 8236 Work Area E inside Mini-Containment	10.0	10.0	10:50 AM	12:50 PM	120	1200.0	2.0	<0.003
2534-080401-52RH	POST	New Executive Office Building: Room 8236 Work Area F inside Mini-Containment	10.0	10.0	10:58 AM	12:58 PM	120	1200.0	2.5	<0.003
2534-080401-53RH	POST	New Executive Office Building: Room 8236 Work Area F inside Mini-Containment	10.0	10.0	10:58 AM	12:58 PM	120	1200.0	3.0	<0.003

Signature of Inspector/Project Monitor: Rebecca Hicks Date: 04 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (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:** 04 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				
2534-080401-54RH	POST	New Executive Office Building: Room 8236 Work Area G inside Mini-Containment	10.0	10.0	11:25 AM	1:25 PM	120	1200.0	1.0	<0.003
2534-080401-55RH	POST	New Executive Office Building: Room 8236 Work Area G inside Mini-Containment	10.0	10.0	11:25 AM	1:25 PM	120	1200.0	0.0	<0.003
2534-080401-56RH	POST	New Executive Office Building: Room 8236 Work Area H inside Mini-Containment	10.0	10.0	11:40 AM	1:40 PM	120	1200.0	2.5	<0.003
2534-080401-57RH	POST	New Executive Office Building: Room 8236 Work Area H inside Mini-Containment	10.0	10.0	11:40 AM	1:40 PM	120	1200.0	0.5	<0.003

Signature of Inspector/Project Monitor: Rebecca Hicks Date: 04 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (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:** 04 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				
2534-080401-58RH	POST	New Executive Office Building: Room 8236 Work Area I inside Mini-Containment	10.0	10.0	12:30 PM	2:30 PM	120	1200.0	1.0	<0.003
2534-080401-59RH	POST	New Executive Office Building: Room 8236 Work Area I inside Mini-Containment	10.0	10.0	12:30 PM	2:30 PM	120	1200.0	2.5	<0.003
2534-080401-60RH	POST	New Executive Office Building: Room 8236 Work Area J inside Mini-Containment	10.0	10.0	12:33 PM	2:33 PM	120	1200.0	0.0	<0.003
2534-080401-61RH	POST	New Executive Office Building: Room 8236 Work Area J inside Mini-Containment	10.0	10.0	12:33 PM	2:33 PM	120	1200.0	1.5	<0.003

Signature of Inspector/Project Monitor: Rebecca Hicks Date: 04 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (Print/Type)

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Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

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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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 04 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				
2534-080401-62RH	POST	New Executive Office Building: Room 8236 Work Area K inside Mini-Containment	10.0	10.0	12:40 PM	2:40 PM	120	1200.0	3.0	<0.003
2534-080401-63RH	POST	New Executive Office Building: Room 8236 Work Area K inside Mini-Containment	10.0	10.0	12:40 PM	2:40 PM	120	1200.0	0.5	<0.003
2534-080401-64RH	POST	New Executive Office Building: Room 8236 Work Area L inside Mini-Containment	10.0	10.0	1:00 PM	3:00 PM	120	1200.0	3.0	<0.003
2534-080401-65RH	POST	New Executive Office Building: Room 8236 Work Area L inside Mini-Containment	10.0	10.0	1:00 PM	3:00 PM	120	1200.0	1.0	<0.003

Signature of Inspector/Project Monitor: _____ Date: 04 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 04 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				
2534-080401-66RH	POST	New Executive Office Building: Room 8236 Work Area M inside Mini-Containment	10.0	10.0	12:35 PM	2:35 PM	120	1200.0	2.5	<0.003
2534-080401-67RH	POST	New Executive Office Building: Room 8236 Work Area M inside Mini-Containment	10.0	10.0	12:35 PM	2:35 PM	120	1200.0	1.5	<0.003

Signature of Inspector/Project Monitor: _____ Date: 04 August 01

Project Monitor: Rebecca Hicks (Print/Type) Training Cert./ License No: 00-0894 (Print/Type)

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GSA

GSA National Capital Region - Public Buildings Service
Safety, Environment & Fire Protection Branch (WPYG)

FILE

AUGUST 10, 2001

MEMORANDUM TO: KERRY BONOS
WHITE HOUSE SDT (WPW)

GALEN GREEN
WHITE HOUSE PROJECTS OFFICE (WPW)

FROM: TIM SLEETH, INDUSTRIAL HYGIENIST
SAFETY, ENVIRONMENT AND
FIRE PROTECTION BRANCH (WPYG)

SUBJECT: ASBESTOS ABATEMENT MONITORING
FAN COIL REPLACEMENT PROJECT-CHILLED WATER/HOT WATER SUPPLY LINE ACCESS DOOR INSTALLATION
8TH FLOOR, ROOM 8026, RISERS 18A-25A
NEW EXECUTIVE OFFICE BUILDING (NEOB)
725 17TH ST., NW
WASHINGTON, DC

On June 21st & 22nd, 2001, Industrial Hygiene Technology, Inc. monitored the abatement of known asbestos-containing materials (ACMs) from the New Executive Office Building (NEOB), located at 725 17th St., NW, Washington, DC. During abatement operations asbestos containing thermal system insulation, overspray/delaminated spray fire retardant, and contaminated debris was removed from various areas in the NEOB (See attached report).

Asbestos abatement activities were conducted utilizing negative pressure "mini-enclosures". Additionally, wet methods and HEPA (High Efficiency Particulate Air) vacuums were utilized during abatement operations to control fiber release. During asbestos abatement operation workers utilized protective clothing and half-face HEPA respirators.

Air monitoring samples were collected and analyzed on site by Phase Contrast Microscopy (PCM), NIOSH 7400 Method. All final clearance air samples collected yielded results below then Reoccupancy Standard of <0.01 fibers/cc. Please retain a copy of this report for your asbestos facility files.

Should you have any questions please contact me at (202) 708-5257.

#2408
DC0105ZZ
8-7-01/JGH/WPYG
CC: KERRY BONOS

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

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: 8TH Floor Room 8026 Risers 18A-25A, Mini-Containment Work Area's A, B, C, D, E, F, & G.

Order Number:	**Contract Number:**	**ACT Number:**
P-11-01-DC-0107	GS11P00MQD0098	PO2642534

Project Date (s): July 20 & 21, 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 6:30 pm, July 20, 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 6:15am, June 21, 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.

IHT conducted sampling in each of 7 mini-containments, (8TH Floor Room 8026 Risers 18A-25A, Mini-Containment Work Area's A, B, C, D, E, F, & G.), 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 07/21/01. 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.

Deviations:

Pre-abatement samples were elevated in area A, C, F, & G. These results were associated with movement of stored materials over carpet, and dusty office conditions.

The GSA scope of work specifies cleaning of the Fan Coil Units. This work will be conducted during a future phase of the project. Due to the size of each mini-containment, 2 final clearance samples were utilized to clear each containment. This is a deviation from the GSA clearance protocol, but in conformance with District of Columbia Asbestos Regulation. Deviation was taken with approval of GSA, and as the change was in compliance with applicable regulations, provided adequate assessment for completion, facilitated timely project completion, and provided significant overall cost savings for the client.

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:** 20 July 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: 20 July 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:** 20 July 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: 20 July 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

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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:** 20 July 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 8026 Risers 18A - 25, Mini-Containment work areas A, B, C, D, E, F, & G.

1840: Hillian workers mobilize and commence prep work on 8th floor.

2145: Hillian workers halt prep work operations. Hillian to return to site tomorrow 7/21/01 @ 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.

1930: IHT begins sampling.

2200: IHT completed sampling. IHT offsite.

Inspections

No inspections necessary.

Comments

Mini-containment preparation went without incident. Some of the pre-abatment samples were above 0.01f/cc. This was most likely due to preparation activities. Sample 12 was voided due to a torn sample cassette filter.

Signature of Inspector/Project Monitor: _____ Date: 20 July 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

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Industrial Hygiene Technologies, Inc.
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BUILDING: New Executive Office Building		**LOCATION:** 725 17th Street NW, Washington, D.C.	
PROJECT: 8th Floor Fan Coil Replacement Project		**DATE:** 20 July 01	

Microscopist: _____
(sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fiber / cc
			on	off	on	off				
2534-072001-01CT	PRE	NEOB: 8TH Floor Room 8026 work area A	10.0	10.0	7:18 PM	9:00 PM	102	1020.0	21.0	0.010
2534-072001-02CT	PRE	NEOB: 8TH Floor Room 8026 work area A	10.0	10.0	7:18 PM	9:00 PM	102	1020.0	16.5	0.008
2534-072001-03CT	PRE	NEOB: 8TH Floor Room 8026 work area B	10.0	10.0	7:19 PM	9:00 PM	101	1010.0	13.5	0.007
2534-072001-04CT	PRE	NEOB: 8TH Floor Room 8026 work area B	10.0	10.0	7:19 PM	9:00 PM	101	1010.0	11.0	0.005
2534-072001-05CT	PRE	NEOB: 8TH Floor Room 8026 work area C	10.0	10.0	7:20 PM	9:01 PM	101	1010.0	45.0	0.022
2534-072001-06CT	PRE	NEOB: 8TH Floor Room 8026 work area C	10.0	10.0	7:20 PM	9:01 PM	101	1010.0	48.5	0.024

Signature of Inspector/Project Monitor: _____ Date: 20 July 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (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 Building		**LOCATION:** 725 17th Street NW, Washington, D.C.	
PROJECT: 8th Floor Fan Coil Replacement Project		**DATE:** 20 July 01	

Microscopist: _____ (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fiber / cc
			on	off	on	off				
2534-072001-07CT	PRE	NEOB: 8TH Floor Room 8026 work area D	10.0	10.0	7:21 PM	9:01 PM	100	1000.0	10.5	0.005
2534-072001-08CT	PRE	NEOB: 8TH Floor Room 8026 work area D	10.0	10.0	7:21 PM	9:01 PM	100	1000.0	15.5	0.008
2534-072001-09CT	PRE	NEOB: 8TH Floor Room 8026 work area F	10.0	10.0	7:22 PM	9:02 PM	100	1000.0	23.5	0.012
2534-072001-10CT	PRE	NEOB: 8TH Floor Room 8026 work area F	10.0	10.0	7:22 PM	9:02 PM	100	1000.0	26.0	0.013
2534-072001-11CT	PRE	NEOB: 8TH Floor Room 8026 work area G	10.0	10.0	7:23 PM	9:02 PM	99	990.0	28.0	0.014
2534-072001-12CT	PRE	NEOB: 8TH Floor Room 8026 work area G	10.0	10.0	7:23 PM	9:02 PM	99	990.0	VOID	VOID

Signature of Inspector/Project Monitor: _____ Date: 20 July 01

Project Monitor: Charles Turner (Print/Type) Training Cert./ License No: 051785 (Print/Type)

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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 Building		**LOCATION:** 725 17th Street NW, Washington, D.C.	
PROJECT: 8th Floor Fan Coil Replacement Project		**DATE:** 20 July 01	

Microscopist: _____ (sign)

PCM SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Fibers / 100 fields	Fiber / cc
			on	off	on	off				
2534-072001-13CT	PRE	NEOB: 8TH Floor hallway adjacent to 8025	10.0	10.0	7:24 PM	9:03 PM	99	990.0	10.5	0.005
2534-072001-14CT	PRE	NEOB: 8TH Floor hallway adjacent to 8008	10.0	10.0	7:24 PM	9:03 PM	99	990.0	2.5	<0.003

Signature of Inspector/Project Monitor: _____ Date: 20 July 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:** 21 July 01	

REMOVAL CONTRACTOR: Hillian **CONTRACTOR SUPERVISOR:** Silvio Argueta		**MONITORING CONTRACTOR:** INDUSTRIAL HYGIENE TECHNOLOGIES, INC.	
TIME ON SITE: 0630	**TIME OFF SITE:** 1330	**TIME ON SITE:** 0615	**TIME OFF SITE: 1330**
ABATEMENT SCOPE OF WORK: Demolition, Decontamination w/ TSI removal			
GENERAL SHIFT WORK PLAN: (7) Mini-Containments w/ Non-ACM demolition & ACM decontamination			
TYPE AND QUANTITY OF ASBESTOS REMOVED THIS SHIFT: (5) 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: 21 July 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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 21 July 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: 21 July 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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 21 July 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 8026 Risers 18A-25A, Mini-Containment Work Area's A, B, C, D, E, F, & G. Hillian has been contracted to cut out (13) 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 8026 Risers 18A-25A, Mini-Containment Work Area's A, B, C, D, E, F, & G.

0730: Hillian workers commence demolition operations in NEOB: 8TH Floor Room 8026 Risers 18A-25A, Mini-Containment Work Area's A, B, C, D, E, F, & G.

1110: Hillian workers complete demolition and decontamination operations in NEOB: 8TH Floor Room 8026 Risers 18A-25A, Mini-Containment Work Area's A, B, C, D, E, F, & G. Hillian informs IHT that Hillian encountered a total of (11) TSI fittings.

1515: Hillian departed the site.

Sampling

0600: 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: 21 July 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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 21 July 01	

Inspections

0705-0955: IHT conducts pre-commencement inspection of NEOB: 8TH Floor Room 8026 Risers 18A-25A, Mini-Containment Work Area's A, B, C, D, E, F, & G. 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 8026 Risers 18A-25A, Mini-Containment Work Area's A, B, C, D, E, F, & G.

0845-1055: IHT conduct pre-sealant inspection of NEOB: 8TH Floor Room 8026 Risers 18A-25A, Mini-Containment Work Area's A, B, C, D, E, F, & G. IHT notes area free of visible ACM dust and debris. Hillian supervisor informs IHT that Hillian workers encountered (11) TSI fittings. Deemed satisfactory. Hillian authorized to encapsulate work area.

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 8026 Risers 18A-25A, Mini-Containment Work Area's A, B, C, D, E, F, & G 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 8026 Risers 18A-25A, Mini-Containment Work Area's A, B, C, D, E, F, & G reported airborne fiber concentration levels below 0.01 fibers/cc. Deemed Satisfactory. IHT authorizes Hillian to tear down NEOB: 8TH Floor Room 8026 Risers 18A-25A, Mini-Containment Work Area's A, B, C, D, E, F, & G.

Signature of Inspector/Project Monitor: _____ Date: 21 July 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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 21 July 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				
2534-072101-01RR	REM	New Executive Office Building: Hall adj to Room 8021	5.0	5.0	6:43 AM	11:13 AM	270	1350	2.0	<0.003
2534-072101-02RR	REM	New Executive Office Building: Room 8026	3.0	3.0	7:08 AM	11:48 AM	280	840	0.5	<0.004
2534-072101-03RR	DCON	New Executive Office Building: Room 8026 adj to Riser 18A, Work Area G DCON Clean Room	10.0	10.0	6:58 AM	8:08 AM	70	700	12.0	0.008
2534-072101-04RR	CB	New Executive Office Building: Room 8026 adj to Riser 18A, Work Area G critical barrier adj to DCON	10.0	10.0	6:58 AM	8:08 AM	70	700	9.0	0.006
2534-072101-05RR	STA	New Executive Office Building: Room 8026 adj to Riser 18A, Work Area G inside Mini-Containment	3.0	3.0	6:47 AM	8:17 AM	90	270	24.0	0.044

Signature of Inspector/Project Monitor: _____ Date: 21 July 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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 21 July 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				
2534-072101-06RR	DCON	New Executive Office Building: Room 8026 adj to Riser 18A, Work Area F DCON Clean Room	10.0	10.0	6:51 AM	8:31 AM	100	1000	16.5	0.008
2534-072101-07RR	CB	New Executive Office Building: Room 8026 adj to Riser 18A, Work Area F critical barrier adj to DCON	10.0	10.0	6:51 AM	8:31 AM	100	1000	12.5	0.006
2534-072101-08RR	STA	New Executive Office Building: Room 8026 adj to Riser 18A, Work Area F inside Mini-Containment	3.0	3.0	6:47 AM	8:32 AM	105	315	21.0	0.033
2534-072101-09RR	DCON	New Executive Office Building: Room 8026 adj to Risers 19- 22A Work Area E DCON Clean Room	10.0	10.0	6:54 AM	8:44 AM	110	1100	15.0	0.007

Signature of Inspector/Project Monitor: _____ Date: 21 July 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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 21 July 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				
2534-072101-10RR	CB	New Executive Office Building: Room 8026 adj to Risers 19- 22A Work Area E critical barrier adj to DCON	10.0	10.0	6:54 AM	8:44 AM	110	1100	13.0	0.006
2534-072101-11RR	STA	New Executive Office Building: Room 8026 adj to Risers 19- 22A Work Area E inside Mini-Containment	3.0	3.0	6:47 AM	8:42 AM	115	345	36.0	0.051
2534-072101-12RR	DCON	New Executive Office Building: Room 8026 adj to Riser 22A Work Area D DCON Clean Room	10.0	10.0	8:59 AM	10:34 AM	95	950	17.0	0.009
2534-072101-13RR	CB	New Executive Office Building: Room 8026 adj to Riser 22A Work Area D critical barrier adj to DCON	10.0	10.0	8:59 AM	10:34 AM	95	950	14.5	0.007

Signature of Inspector/Project Monitor: _____ Date: 21 July 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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 21 July 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				
2534-072101-14RR	STA	New Executive Office Building: Room 8026 adj to Riser 22A Work Area D inside Mini-Containment	3.0	3.0	6:48 AM	10:48 AM	240	720	42.0	0.029
2534-072101-15RR	DCON	New Executive Office Building: Room 8026 adj to Riser 23A Work Area C DCON Clean Room	10.0	10.0	8:52 AM	10:42 AM	110	1100	19.0	0.008
2534-072101-16RR	CB	New Executive Office Building: Room 8026 adj to Riser 23A Work Area C critical barrier adj to DCON	10.0	10.0	8:52 AM	10:42 AM	110	1100	16.0	0.007
2534-072101-17RR	STA	New Executive Office Building: Room 8026 adj to Riser 23A Work Area C inside Mini-Containment	3.0	3.0	8:53 AM	10:43 AM	110	330	26.5	0.039

Signature of Inspector/Project Monitor: _____ Date: 21 July 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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 21 July 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				
2534-072101-18RR	DCON	New Executive Office Building: Room 8026 adj to Riser 24A, Work Area B DCON Clean Room	10.0	10.0	9:42 AM	11:02 AM	80	800	13.0	0.008
2534-072101-19RR	CB	New Executive Office Building: Room 8026 adj to Riser 24A, Work Area B critical barrier adj to DCON	10.0	10.0	9:42 AM	11:02 AM	80	800	10.5	0.006
2534-072101-20RR	STA	New Executive Office Building: Room 8026 adj to Riser 24A, Work Area B inside Mini-Containment	3.0	3.0	8:54 AM	11:04 AM	130	390	22.5	0.028
2534-072101-21RR	DCON	New Executive Office Building: Room 8026 adj to Riser 25A, Work Area A DCON Clean Room	10.0	10.0	9:53 AM	11:08 AM	75	750	10.0	0.007

Signature of Inspector/Project Monitor: _____ Date: 21 July 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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 21 July 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				
2534-072101-22RR	CB	New Executive Office Building: Room 8026 adj to Riser 25A, Work Area A critical barrier adj to DCON	10.0	10.0	9:53 AM	11:08 AM	75	750	7.5	0.005
2534-072101-23RR	STA	New Executive Office Building: Room 8026 adj to Riser 25A, Work Area A inside Mini-Containment	3.0	3.0	8:54 AM	11:04 AM	130	390	29.5	0.037

Signature of Inspector/Project Monitor: _____ Date: 21 July 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

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:** 21 July 01	

REMOVAL CONTRACTOR: Hillian **CONTRACTOR SUPERVISOR:** Silvio Argueta		**MONITORING CONTRACTOR:** INDUSTRIAL HYGIENE TECHNOLOGIES, INC.	
		TIME START: 0630	**TIME COMPLETE:** 1430
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: 21 July 01

Project Monitor: Ryan S. Reed (Print/Type) Training Cert./ License No: 01-0104 (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 Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 21 July 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: 21 July 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: 8TH Floor Fan Coil Unit Replacement Project	**DATE:** 21 July 01

REMOVAL CONTRACTOR: Hillian **CONTRACTOR SUPERVISOR:** Silvio Argueta		**MONITORING CONTRACTOR:** INDUSTRIAL HYGIENE TECHNOLOGIES, INC.	
		TIME START: 0600	**TIME COMPLETE:** 1330
ABATEMENT SCOPE OF WORK: Demolition, Decontamination w/ possible TSI removal			
TYPE OF ASBESTOS MATERIAL ABATED	**Category 1 Friable**	**QTY. OF ASBESTOS MATERIAL ABATED**	11 Fittings

OSHA ACTIVITY CLASSIFICATION	CLASS I	X	CLASS II		CLASS III		CLASS IV	

DESCRIBE SPECIFIC WORK AREA INSPECTED: NEOB: 8TH Floor Room 8026 Risers 18A-25A, Mini-Containment Work Area's A, B, C, D, E, F, & G.

TOTAL SQUARE FOOTAGE OF WORK AREA: 7 Mini-Containments (G- 20ft²) (F- 10ft²)(E -100ft²) (D- 20ft²) (C -10ft²) (B- 20ft²) (A- 30ft²)

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: 21 July 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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 21 July 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				
2534-072101-24RR	POST	New Executive Office Building: Room 8026 adj to Riser 18A, Work Area G inside Mini-Containment	10.0	10.0	10:41 AM	12:51 PM	130	1300.0	10.5	0.004
2534-072101-25RR	POST	New Executive Office Building: Room 8026 adj to Riser 18A, Work Area G inside Mini-Containment	10.0	10.0	10:41 AM	12:51 PM	130	1300.0	9.0	0.003
2534-072101-26RR	POST	New Executive Office Building: Room 8026 adj to Riser 18A, Work Area F inside Mini-Containment	10.0	10.0	10:43 AM	12:53 PM	130	1300.0	7.5	0.003
2534-072101-27RR	POST	New Executive Office Building: Room 8026 adj to Riser 18A, Work Area F inside Mini-Containment	10.0	10.0	10:43 AM	12:53 PM	130	1300.0	9.5	0.004

Signature of Inspector/Project Monitor: _____ Date: 21 July 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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 21 July 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				
2534-072101-28RR	POST	New Executive Office Building: Room 8026 adj to Risers 19- 22A Work Area E inside Mini-Containment	10.0	10.0	10:46 AM	12:56 PM	130	1300.0	8.0	0.003
2534-072101-29RR	POST	New Executive Office Building: Room 8026 adj to Risers 19- 22A Work Area E inside Mini-Containment	10.0	10.0	10:46 AM	12:56 PM	130	1300.0	10.0	0.004
2534-072101-30RR	POST	New Executive Office Building: Room 8026 adj to Riser 22A Work Area D inside Mini-Containment	10.0	10.0	10:52 AM	12:57 PM	125	1250.0	7.0	0.003
2534-072101-31RR	POST	New Executive Office Building: Room 8026 adj to Riser 22A Work Area D inside Mini-Containment	10.0	10.0	10:52 AM	12:57 PM	125	1250.0	6.5	<0.003

Signature of Inspector/Project Monitor: _____ Date: 21 July 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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 21 July 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				
2534-072101-32RR	POST	New Executive Office Building: Room 8026 adj to Riser 23A Work Area C inside Mini-Containment	10.0	10.0	11:31 AM	1:31 PM	120	1200.0	12.0	0.005
2534-072101-33RR	POST	New Executive Office Building: Room 8026 adj to Riser 23A Work Area C inside Mini-Containment	10.0	10.0	11:31 AM	1:31 PM	120	1200.0	11.0	0.004
2534-072101-34RR	POST	New Executive Office Building: Room 8026 adj to Riser 24A, Work Area B inside Mini-Containment	10.0	10.0	11:37 AM	1:37 PM	120	1200.0	7.5	0.003
2534-072101-35RR	POST	New Executive Office Building: Room 8026 adj to Riser 24A, Work Area B inside Mini-Containment	10.0	10.0	11:37 AM	1:37 PM	120	1200.0	8.0	0.003

Signature of Inspector/Project Monitor: _____ Date: 21 July 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: 8TH Floor Fan Coil Unit Replacement Project		**DATE:** 21 July 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				
2534-072101-36RR	POST	New Executive Office Building: Room 8026 adj to Riser 25A, Work Area A inside Mini-Containment	10.0	10.0	11:48 AM	1:48 PM	120	1200.0	4.0	<0.003
2534-072101-37RR	POST	New Executive Office Building: Room 8026 adj to Riser 25A, Work Area A inside Mini-Containment	10.0	10.0	11:48 AM	1:48 PM	120	1200.0	5.5	<0.003

Signature of Inspector/Project Monitor: _____ Date: 21 July 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

DC010S

GSA

GSA National Capital Region - Public Buildings Service
Safety, Environment & Fire Protection Branch (WPYG)

MAY 4, 2001

MEMORANDUM TO: KERRY BONOS
WHITE HOUSE SDT (WPW)

FROM: TIM SLEETH, INDUSTRIAL HYGIENIST
SAFETY, ENVIRONMENT AND
FIRE PROTECTION BRANCH (WPYG)

SUBJECT: TEM SUPPLEMENTAL MONITORING
B-1 CARPENTER SHOP STORAGE WORK AREA
NEW EXECUTIVE OFFICE BUILDING (NEOB)
725 17TH ST., NW
WASHINGTON, DC

On April 10th, 2001, IHT, Inc. conducted supplemental asbestos air monitoring in areas of the New Executive Office Building (NEOB), located at 725 17th St., NW, Washington, DC. The supplemental air monitoring was conducted in the B-1 Carpenter Shop Storage Work Area.

Four (4) air samples were collected and analyzed by Transmission Electron Microscopy (TEM). The TEM samples were found to be below the AHERA (Asbestos Hazard Emergency Reauthorization Act) clearance standard of 70 s/mm^2.

Should you have any questions please contact me at (202) 708-5257.

#2125

Industrial Hygiene Technologies, Inc.
Environmental & Industrial Hygiene Consultants

ASBESTOS ABATEMENT MONITORING DAILY CHECKLIST & LOG OF EVENTS

CLIENT: GSA, NCR, SDS, WPYG	**ORDER NUMBER:** P/101DC0191	**CONTRACT NUMBER:** GS11P00MQD0098	**ACT NUMBER:**
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: Supplemental Monitoring following B-1 Carpenter Shop Storage ACM Removal		**DATE:** 10 April 01	

REMOVAL CONTRACTOR: None **CONTRACTOR SUPERVISOR:** None		**MONITORING CONTRACTOR:** INDUSTRIAL HYGIENE TECHNOLOGIES, INC.	
TIME ON SITE: N/A	**TIME OFF SITE:** N/A	**TIME ON SITE:** 0630	**TIME OFF SITE:** 0930
ABATEMENT SCOPE OF WORK: Demolition with Surfacing Material Removal (performed 06 - 07 April 01)			
GENERAL SHIFT WORK PLAN: None			
TYPE AND QUANTITY OF ASBESTOS REMOVED THIS SHIFT: None			

OSHA ACTIVITY CLASSIFICATION	**CLASS I**		**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	N/A	
	NEGATIVE PRESSURE -0.02 MINIMUM	N/A	
	FOUR AIR CHANGES PER HOUR	N/A	
	FLOOR COVERED	N/A	
	WALLS COVERED	N/A	
	CRITICAL BARRIERS INTACT	N/A	
	AREA VENTILATION OFF & VENTS COVERED	N/A	
	NEGATIVE PRESSURE GLOVEBAG USED	N/A	
SIGNAGE	CAUTION SIGNS AT STAGING AREA	N/A	
	OSHA SIGN (ASBESTOS) AT ENTRANCES TO WORK AREA	N/A	
	WASTE CONTAINERS LABELED PER NESHAP & GENERATOR	N/A	
	HVAC TAG OUT	N/A	

MARK W/ X - EXPLAIN IN NOTES, MARK N/A IF NOT REQUIRED/UTILIZED, EXPLAIN DEVIATIONS IN LOG

Signature of Inspector/Project Monitor: _____ Date: 10 April 01

Project Monitor: Mark R. Sovich (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:	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER:
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: Supplemental Monitoring following B-1 Carpenter Shop Storage ACM Removal		**DATE:** 10 April 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	N/A	
	LABELED WASTE CONTAINERS ON SITE	N/A	
	HEPA VACUUM FOUND WORKING AND ACCEPTABLE	N/A	
	ACCESS TO WATER FOR WET METHODS	N/A	
	AIRLESS SPRAYER WORKING AND IN WORK AREA	N/A	
WORKER PROTECTION	DISPOSABLE COVERALLS & BOOT COVERS	N/A	
	PROPER NIOSH RESPIRATORS TYPE RESPIRATOR: ½ face APR FILTER: P-100	N/A	
	HEAD PROTECTION	N/A	
	EYE PROTECTION	N/A	
SHOWERS	FUNCTIONING	N/A	
	HOT AND COLD RUNNING WATER	N/A	
	WATER COLLECTION / FILTERING DEVICE FUNCTIONAL	N/A	
WORK HABITS	HOUSE KEEPING - MATERIALS AND EQUIPMENT STORED. LOCKERS AND PERSONAL ITEM CONTAINERS	N/A	
SAFETY MEETING	COMPETENT PERSON HAS CONDUCTED A SAFETY MEETING	N/A	
BASELINE MONITORING	BASELINE MONITORING CONDUCTED PRIOR TO START OF PREPARATIONS	N/A	
PROJECT DESIGN	PROJECT DESIGN ON SITE, AND ALL PREPARATIONS COMPLETED IN ACCORDANCE WITH DESIGN	N/A	
DOCUMENTS	NOTIFICATION, PERMIT, ABATEMENT PLAN, CONTRACTOR LICENSE, SUPERVISOR LICENSE, WORKER LICENSE, TRAINING, & MEDICAL, FIT TEST DOCUMENTATION ON SITE AND IN ORDER	N/A	
MARK W/ X, MARK N/A IF NOT REQUIRED/UTILIZED, EXPLAIN DEVIATIONS IN LOG			

Signature of Inspector/Project Monitor: _____ Date: 10 April 01

Project Monitor: Mark R. Sovich (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:	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER:
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: Supplemental Monitoring following B-1 Carpenter Shop Storage ACM Removal		**DATE:** 10 April 01	

DAILY LOG OF EVENTS

04/09/01- IHT rep Ryan S. Reed was contacted by GSA representative Kerry Bonos regarding PCM clearance achieved in NEOB: B-1 Carpenter Shop Storage Room Work Area on April 07, 2001. In a phone conversion on 4/06/01 prior to commencing the project, GSA rep Kerry Bonos stated that TEM clearance of the work area will be not required in favor of PCM clearance because the area was to "remain unoccupied except for storage activities". GSA has subsequently reconsidered the issue. Baring in mind that EDS has removed surfacing materials in qualities greater than NESHAP triggers and that the District of Columbia requires 4 TEM air samples for clearance in such a containment, GSA rep Kerry Bonos has now requested that IHT perform TEM clearance sampling within the NEOB: B-1 Carpenter Shop Storage Room Work Area. IHT stated that because PCM clearance has been achieved and the containment has been torn down, the TEM sampling could not be considered clearance sampling but supplemental TEM area air sampling. IHT is ready to assist in any way possible and will perform supplemental TEM area air sampling within NEOB: B-1 Carpenter Shop Storage Room Work Area as discussed. IHT and GSA rep discuss scheduling to perform supplemental TEM area air sampling.

04/10/01-

6:30 am IHT on site. Charles Wilson, GSA representative, escorted IHT to the Carpenter Shop located on the B-1 floor. IHT was retained to provide supplemental TEM sampling in the Carpenter Shop Storage Room after the abatement activities that were performed April 6 through 8, 2001. IHT mobilized and began equipment setup.

7:00 am IHT began air monitoring using .45 micron pore size, 25 mm diameter, MCE filtered cassettes sampled at 10 liters per minute. Four samples were collected.

9:00 am IHT completed air sampling and began demobilization. 1200 liters were collected in all four samples.

9:30 am IHT off site. IHT then delivered the samples to EMSL of Beltsville Maryland for AHERA TEM analysis.

10:25 am IHT at EMSL. IHT relinquished custody of samples to EMSL.

SUPPLEMENTAL NOTE: SUBSEQUENT TEM ANALYSIS OF THE FOUR SAMPLES INDICATED THAT NO ASBESTOS STRUCTURES WERE DETECTED IN ANY SAMPLE.

Signature of Inspector/Project Monitor: _____ Date: 10 April 01

Project Monitor: Mark R. Sovich (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:	CONTRACT NUMBER: GS11P00MQD0098	ACT NUMBER:
BUILDING: New Executive Office Bldg:		**LOCATION:** 725 17TH Street NW. Washington, DC	
PROJECT: Supplemental Monitoring following B-1 Carpenter Shop Storage ACM Removal		**DATE:** 10 April 01	

TEM AIR SAMPLE LOG

Sample Number	Sample Type	Location	Flow rate		Time		Minutes elapsed	Liters	Structures /mm²
			on	off	on	off			
NEO-4-10-01	AREA	NEOB: B-1 CARPENTER'S SHOP STORAGE AREA	10.0	10.0	7:00 am	9:00 am	120	1200	<15.5
NEO-4-10-02	AREA	NEOB: B-1 CARPENTER'S SHOP STORAGE AREA	10.0	10.0	7:00 am	9:00 am	120	1200	<15.5
NEO-4-10-03	AREA	NEOB: B-1 CARPENTER'S SHOP STORAGE AREA	10.0	10.0	7:02 am	9:02 am	120	1200	<15.5
NEO-4-10-04	AREA	NEOB: B-1 CARPENTER'S SHOP STORAGE AREA	10.0	10.0	7:02 am	9:02 am	120	1200	<15.5

Signature of Inspector/Project Monitor: _____ Date: 10 April 01

Project Monitor: Mark R. Sovich (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

EMSL Analytical, Inc.

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

EMSL

Attn.: Michael J. MacCabe
Industrial Hygiene Technologies, Inc.
7220-U Telegraph Sq. Drive
Lorton, VA 22079

Tuesday, April 10, 2001

Ref Number: MD011721

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

Project: ~~Old~~ NEW Executive Office Bldg.

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5μ - < 5μ	# STRUCTURES ≥ 5μ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
NEO-4-10-01	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEO-4-10-02	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEO-4-10-03	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEO-4-10-04	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
Analyst

Approved Signatory

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

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

GSA National Capital Region - Public Buildings Service
Safety, Environment & Fire Protection Branch (WPYG)

AUGUST 31, 2000

MEMORANDUM TO: KERRY BONOS
WHITE HOUSE SDT (WPW)

FROM: TIM SLEETH, INDUSTRIAL HYGIENIST
SAFETY, ENVIRONMENTAL AND FIRE PROTECTION BRANCH (WPYG)

SUBJECT: NEW EXECUTIVE OFFICE BUILDING
SUITE 3235
725 17TH ST., NW
WASHINGTON, DC

PROJECT: FAN COIL UNIT REPLACEMENT

On July 29, 2000, EMI, Inc. monitored the abatement of known asbestos-containing materials (ACMs) from the New Executive Office Building, located at 725 17th St., NW, Washington, DC. The abatement process consisted of cutting access panels in perimeter walls in order to facilitate the replacement of fan coil units. The asbestos abatement was conducted in Rooms A, B, C, D, & E of Suite 3235.

Asbestos abatement activities were conducted within a negative pressure enclosure with an attached decontamination unit. Additionally, wet methods and HEPA (High Efficiency Particulate Air) vacuums were utilized during abatement operations to control fiber release. During asbestos abatement operation workers utilized protective clothing and half-face HEPA respirators.

Air monitoring samples were collected and analyzed on site by Phase Contrast Microscopy (PCM), NIOSH 7400 Method. All final clearance air samples collected were below the Reoccupancy Standard of 0.01 fibers/cc.

Please note that suspect and known ACMs may still exist within these areas of the New Executive Office Building, such ACMs may be found within walls, behind mechanical equipment within the mechanical rooms and interstitial ceiling space, or other areas that were not accessible at the time of the renovations.

Should you have any questions please contact me at (202) 708-5257.

#1507
8/31/00 JGA - WPYG
CC: KERRY BONDS

Enviro-Management, Inc.

INDUSTRIAL HYGIENE SERVICE

August 9, 2000

Mrs. Normajean Eleazer
GSA Safety and Environmental Management
7th. & D Streets, SW, Rm. 2080
Washington, DC 20020

Contract # GS-11-P00QC0068
PO# P-11-00-DC-0335
ACT# P02640756

Re: Oversight & Air monitoring Services
NEOB Week 2
Site: New Executive Office Building
725 17th Street NW
Washington, DC 20006

EMI Project # 070142

Dear Mrs. Eleazer:

On the weekend of July 29, 2000, Curtis Hardison of Enviro-management, Inc. (EMI) provided Industrial Hygiene oversight at the New Executive Office Building (NEOB) located at 725 17th Street NW, Washington, D C. The Abatement Contractor was Hillian Brothers, Inc. The abatement project consisted of cutting access panel openings in perimeter walls in order to facilitate replacement of fan coil units throughout the building. Abatement was performed in Rooms A, B, C, D, E of Suite 3235. Final Clearance sampling was performed in each containment of each room at the end of abatement. Final clearance sampling results for each containment was less than 0.01 fibers (f/cc).

Enclosed you will find a copy of the Initial inspection sheet, daily log, the daily inspection sheets, the final inspection sheets and the air monitoring results.

Sincerely,

Gail Smith

Gail Smith

3100 Pennsylvania Ave., S.E., • Washington, D.C. 20020 • (202) 582-2461 • (202) 582-2478

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Project: 3RD Floor

Location: 725 17th St, N.W. Date: 7-29-00

Removal Contractor: Hillman Time Inspected: ~~0630~~ 0700

Monitoring Contractor: EMI 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. "Negatve air machine" in use	✓	
	f. Negative pressure > 0.02"	✓	
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	

GSA ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ✓ HEPA ✓ PAPER TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?	N/A	
	b. Soap and Towels?		
	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 questions are to be answered either "YES" or "Problem Encountered."

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: C. Hardison Date: 7/29/02

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 3rd FLOOR

LOCATION: 725 17th St., N.W. Date: 07-29-00

Removal Contractor: Hilliard Time Started: 0630

Monitoring Contractor: EMT Time Stopped: 1830

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	✓	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?	✓	
	b. Soap and Towels?	✓	
	c. Used Each Departure?	✓	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

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

Report Prepared By: C. Hardison Date: 07-29-00

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: 3RD Floor

Location: 725 17th St., N.W Date: 7-29-00

Removal Contractor: Hillman Brothers Time Inspected: _____

Monitoring Contractor: EMI 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 Representive or a designee, a GSA Safety and Environmental Management representative the IH contract's Certified Industrial Hygienist, the asbestos abatement contractor, a state or local government representative, the abatement contractor's Industrial Hygineist, a tenant Representative, or another interested party.

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

Activity to be Checked		Within Limits	Problem Encountered
1. Residual Dust on:			
(below eye level)	a. Floor	✓	
	b. Horizontal Surfaces	✓	
	c. Pipes.	✓	
	d. Ventilation Equipment.	✓	
(above eye level)	e. Horizontal Surface.	✓	
	f. Pipes.	✓	
	g. Ducdwork.	✓	
	h. Registers	✓	
	i. Lights.	✓	

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

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

FINAL AIR SAMPLING:

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

Serial Number:	07/285				
Location:	RM 3935				
Volume (Liters):	1,284				
Flow rate: (Liters/Minute)	12				
Fibers/Filter:	10.5/100				
Fibers/Cubic Cm:	<0.01				

ANALYSTS ANALYZING SAMPLING: _____ DATE: _____

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

REPORT PREPARED BY: C. Hardison DATE: 7/29/02

REPORT REVIEWED BY: [illegible] DATE: 8/1-02

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: GSA
Site Name: NEOB
Site Address: 725 17th St., N.W.
Washington, DC
Client Contact:

Date: 07-29-00
Staff: C. Hardison
Title: IH
Job Number: 20142
Client Phone:

Summary of Daily Events:

0630 - Arrived on site to find Hillian's Abatement crew being cleared into the building.
0700 - After being cleared into the building I proceeded to suite 3235 thirteen access panels will be cut into the walls of six inner offices. Offices are designated as A through E beginning with the office on the left and counting to the right.
0715 - Background samples were collected in Rooms 3235-A through 3235-E (unoccupied spaces) previously.
0730 - Samples #01 inside containment, #02 clean room, #03 outside clean room #05 negative air exhaust are started.
0730 - Abatement crew begins suiting up to cut five access holes in Room 3235-B.
0840 - Crew is ready to begin cutting access panel openings in Room 3235-A for two openings.
0850 - Started samples #06 inside containment, #07 clean room #08 outside clean room in 3235-A.
1015 - Room 3235 is ready for visual inspection.
1015 - Collected samples from Room 3235 B
1025 - Started samples # 09, 10 + 11 in Room 3235-C.

Signature of Client/Site Contact: _____ Date: _____

Signature of Representative On Site: C Hardison Date: 07-29-00

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: GSA
Site Name: NEOB
Site Address: 725 17th St. N.W. Washington DC
Client Contact: Galen Green

Date: 07-29-00
Staff: C-Harrison
Title: IH
Job Number: 70142
Client Phone:

Summary of Daily Events:

1050 - Room 3235 A is Ready for visual Inspection
1158 - collected samples from Room 3235-A
1105 - started samples #12 (inside containment), #13 (Clean Room) #14 (outside clean Room) for containment #3235-D
1109 - Abatement has begun in Room 3235-D.
1150 - collected samples #9, 10 + 11 from Room 3235-C and permission is given to encapsulate
1155 - permission is given to encapsulate Rooms 3235-A, 3235-B + 3235-C.
1200 - Lunch
1306 - changed cassettes on samples #4 + 5 (negative air Exhaust + outside) w/ #15 + #16.
1320 - crew returns from lunch
1352 - crew begins abatement in 3235-E after containment inspection is complete and pumps #17 (inside containment) #18 (Clean Room), and #19 (outside clean Room) are started
1400 - started final clearance samples # 20 (3235-A), 21 (3235-C).
1404 - collected samples #12, 13 + 14 from Room 3235-D for analysis
1545 - collected final clearance samples from Room 3235 A + 3235C for analysis
1600 - started final clearance samples in Rooms 3235-B, 3235-D + 3235-E.

Signature of Client/Site Contact: _____ Date: _____

Signature of Representative On Site: Curt Harrison Date: 07-29-00

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: GSA
Site Name: NEOB
Site Address: 725 17th ST. N.W.
WASH. DC
Client Contact: Galen Green

Date: 07-29-00
Staff: C. Hardison
Title: IH
Job Number: 70142
Client Phone:

Summary of Daily Events:

1615 - Final clearance analysis results of samples from rooms 3235-A + 3235-C are less than 0.01 f/cc and permission is given to dismantle containments in those rooms.
1755 - Collected final clearance samples from rooms 3235-B, 3235-D + 3235-E for analysis
1801 - Final clearance results are <0.01 f/cc
1830 - Crew has dismantled the containment and departed the site.
1830 - Depart site.

Signature of Client/Site Contact: Date:

Signature of Representative On Site: Curtis Hard Date: 07-29-00

Enviro-Management, Inc. CHAIN OF CUSTODY/DATA FORM	Industrial Hygienist: C. HARdison	Date: 07-29-06	Contractor: HilliAN
	Client: GSA	Client Contact: KERRY BONOS	Contractor Contact:
	Site: NEOB	Client Phone: 202-395-4546	Contractor Phone:
3100 Pennsylvania Avenue, SE Washington, DC 20020 (202) 582-2461	Site Address: 725 17th St, NW WASHINGTON, DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
	Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

FIELD IDENTIFICATION	SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	TWA	FLOW RATE	PUMP #
NEOB	01	3235-B	IE	0730	1015	165	412.5	VOID		X	2.5	7134
	02	3235-B	CR	0730	1015	165	412.5	VOID		X	2.5	7126
	03	3235-B	OE	0732	1015	163	407.5	10.5	0.01	X	2.5	7149
	04	3235-B	EX	0734	1306	336	840	7	<0.01	X	2.5	7138
	05	3235 outer office	OE	0734	1306	336	840	7	<0.01	X	2.5	7105
	06	3235-A	IE	0850	1158	470	1,175	38.5	0.01	X	2.5	7235
	07	3235-A	CR	0850	1158	470	1,175	30	0.01	X	2.5	7139
	08	3235-A	OE	0850	1158	470	1,175	7.5	<0.01	X	2.5	7272
	09	3235-C	IE	1015	1150	215	537.5	12	0.01	X	2.5	7153
	10	3235-C	CR	1015	1150	215	537.5	13.5	0.01	X	2.5	7272
	11	3235-C	OE	1015	1150	215	537.5	3	<0.01	X	2.5	7138
	12	3235-D	IE	1105	1400	175	437.5	14	0.01	X	2.5	7235

SHIPPED VIA:	SHIPPING TICKET #:	PUMP #	ROTAMETER	(B) FLOW RATE (A)	
SAMPLES TAKEN BY: CURTIS HARdison					
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
COMMENTS/INSTRUCTIONS:	IH TIME ON SITE 0630 IH TIME OFF SITE ____ TOTAL BILLABLE HOURS ____ TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____	Microscope ID: ____ Phase Rings Concentric: Yes No If No, Readjusted: OK			

Enviro-Management, Inc.

CHAIN OF CUSTODY/DATA FORM

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. HARdison	Date: 07-29-00	Contractor: Hillian	
Client: GSA	Client Contact: KERRY BONOS	Contractor Contact:	
Site: NEOB	Client Phone: 202-395-4546	Contractor Phone:	
Site Address: 725 17th St., N.W. Washington, DC	Client Address:	Sampling & Analytical Method:	
		On Site ____ Lab ____	
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.		

FIELD IDENTIFICATION	SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	TWA	FLOW RATE	PUMP #
NEOB	13	3935-D	CR	1105	1404	179	447.5	10.5/100	0.01	X	2.5	7234
	14	3935-D	OE	1105	1407	182	455	6/100	<0.01	X	2.5	7
	15	3935	EX	1306	1685	199	497.5	8/100	<0.01	X	2.5	7238
	16	3935 outside rm. 3935	OE	1306	1692	196	490	8/100	<0.01	X	2.5	7105
	17	3935 E	IE	1352	1520	88	220	25.5/100	0.03	X	2.5	7153
	18	3935 E	CR	1352	1520	88	220	15/100	0.02	X	2.5	7149
	19	3935 E	OE	1352	1520	88	220	11.5/100	0.01	X	2.5	7132
	20	3935-A	IEF	1400	1545	105	1,260	12/100	<0.01	X	12	16
	21	3935-C	IEF	1400	1547	107	1,284	17/100	<0.01	X	12	03
	22	3935-B	IEF	1615	1755	100	1,200	10.5/100	<0.01	X	12	16
	23	3935-D	IEF	1618	1758	100	1,200	9/100	<0.01	X	12	03
	24	3935-E	IEF	1619	1801	102	1,224	17/100	<0.01	X	12	18
	25	BLANK										

SHIPPED VIA:	SHIPPING TICKET #:	PUMP #	ROTAMETER	(B) FLOW RATE (A)	
SAMPLES TAKEN BY: CURTIS HARdison					
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				

COMMENTS/INSTRUCTIONS: 40 BAGS of debris Removed

IH TIME ON SITE 0630 IH TIME OFF SITE 1830

TOTAL BILLABLE HOURS 12

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) 12

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

GSA

GSA National Capital Region - Public Buildings Service
Safety, Environment & Fire Protection Branch (WPYG)

AUGUST 31, 2000

MEMORANDUM TO: KERRY BONOS
WHITE HOUSE SDT (WPW)

FROM: TIM SLEETH, INDUSTRIAL HYGIENIST
SAFETY, ENVIRONMENTAL AND FIRE PROTECTION BRANCH (WPYG)

SUBJECT: NEW EXECUTIVE OFFICE BUILDING
SUITES 3002, 3235, 3221, & 3227
725 17TH ST., NW
WASHINGTON, DC

PROJECT: FAN COIL UNIT REPLACEMENT

From July 21st through 23rd, 2000, EMI, Inc. monitored the abatement of known asbestos-containing materials (ACMs) from the New Executive Office Building, located at 725 17th St., NW, Washington, DC. The abatement process consisted of cutting access panels in perimeter walls in order to facilitate the replacement of fan coil units. The asbestos abatement was conducted in Suites 3002, 3235, 3221, & 3227.

Asbestos abatement activities were conducted within a negative pressure enclosure with an attached decontamination unit. Additionally, wet methods and HEPA (High Efficiency Particulate Air) vacuums were utilized during abatement operations to control fiber release. During asbestos abatement operation workers utilized protective clothing and half-face HEPA respirators.

Air monitoring samples were collected and analyzed on site by Phase Contrast Microscopy (PCM), NIOSH 7400 Method. All final clearance air samples collected were below the Reoccupancy Standard of 0.01 fibers/cc.

Please note that suspect and known ACMs may still exist within these areas of the New Executive Office Building, such ACMs may be found within walls, behind mechanical equipment within the mechanical rooms and interstitial ceiling space, or other areas that were not accessible at the time of the renovations.

Should you have any questions please contact me at (202) 708-5257.

DC010S
#1508
8-31-00 / JGH / WPYE
CC: KERRY BONDS

Enviro-Management, Inc.

INDUSTRIAL HYGIENE SERVICE

August 9, 2000

Mrs. Normajean Eleazer
GSA Safety and Environmental Management
7th. & D Streets, SW, Rm. 2080
Washington, DC 20020

Contract # GS-11-P00QC0068
PO# P-11-00-DC-0335
ACT# P02640756

Re: Oversight & air monitoring Services
NEOB Week 1
Site: New Executive Office Building
725 17ht Street NW
Washington, DC 20006

EMI Project # 070142

Dear Mrs. Eleazer:

On the weekend of July 21-23, 2000, Curtis Hardison of Enviro-management, Inc. (EMI) provided Industrial Hygiene oversight at the New Executive Office Building (NEOB) located at 725 17th Street NW, Washington, D C. The Abatement Contractor was Hillian Brothers, Inc. The abatement project consisted of cutting access panel openings in perimeter walls in order to facilitate replacement of fan coil units throughout the building. Abatement was performed in Rooms A, B, C, D, E & F of Suite 3002, Rooms A, B, C, D, E, F of Suite 3235, Rooms B and C of Suite 3221 and Rooms A & B of Suite 3227. Final Clearance sampling was performed in each containment in each room at the end of abatement. Final clearance sampling results for each containment was less than 0.01 fibers (f/cc).

Enclosed you will find a copy of the Initial inspection sheet, daily log, the daily inspection sheets, the final inspection sheets and the air monitoring results.

Sincerely,

Gail Smith

Gail Smith

3100 Pennsylvania Ave., S.E., • Washington, D.C. 20020 • (202) 582-2461 • (202) 582-2478

GSA ASBESTOS ABATEMENT START-UP CHECKLIST

Building: NEOB Project: 3rd Floor

Location: 725 17th St. N.W. Date: 07-21-00

Removal Contractor: Hillian Time Inspected: 0730

Monitoring Contractor: EMI 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. "Negatve air machine" in use	✓	
	f. Negative pressure > 0.02"	✓	
2. Signage	a. Caution Signs at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	

GSA ASBESTOS ABATEMENT START-UP CHECKLIST (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.		✓
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothing Used One Time.	✓	
	b. Proper NIOSH respirators.	Disp ___ HEPA ✓ PAPER ___ TYP"C" ___	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?		
	b. Soap and Towels?		
	c. Used Each Departure?		
6. Work Habits In Work Area	a. No Smoking	✓	
	b. Eating/drinking	✓	

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

1-B - Instructed workers to install poly flape between D-con Rooms.

2-D - Observed workes cutting access panels without using HEPA VACUUM. Instructed workers to use HEPA VACUUM anytime cutting is performed

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Report Prepared By: C. Hardson Date: 07-02-00

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: GSA
Site Name: NEOB
Site Address: WASHINGTON, DC
Client Contact: TIM SLEETH

Date: 07-21-00
Staff: C. HARDISON
Title: IH TECH.
Job Number: 070142
Client Phone: 202 708-5257

Summary of Daily Events:

1200 - ARRIVED ON SITE AND WALKED THROUGH THE PROJECT FOR ABATEMENT IN ROOM 3002
1230 - STARTED BACKGROUND SAMPLES #1, 2, 3, & 4 IN ROOM #3002.
1422 - COLLECTED BACKGROUND SAMPLES FOR ANALYSIS.
1630 - DEPARTED SITE

Signature of Client/Site Contact: _____ Date: _____

Signature of Representative On Site: C. Hardison Date: 07-21-00

Enviro-Management, Inc.

CHAIN OF CUSTODY/DATA FORM

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Hardison	Date: 07-21-00	Contractor: Hillian	
Client: GSA	Client Contact: Tim Sleeth	Contractor Contact: Paul Goodier	
Site: NEOB Room 3002	Client Phone: 202-208-5257	Contractor Phone: 301-772-8861	
Site Address: 725 17th St. NW Washington, DC	Client Address: 7th & D St., S.W. Washington, DC	Sampling & Analytical Method: 582	
Job No.: 070142	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	On Site ✓ Lab	

FIELD IDENTIFICATION	SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	TWA	FLOW RATE	PUMP #
NEOB-	01	Suite 3002 - A	pRe	1232	1422	110	1,320	11/100	<0.01	X	12	03
	02	Suite 3002 - B	pRe	1232	1424	112	1,344	9/100	<0.01	X	12	93
	03	Suite 3002 - C	pRe	1233	1424	111	1,332	18/100	<0.01	X	12	18
	04	Suite 3002 - D	pRe	1235	1425	110	1,320	10/100	<0.01	X	12	64
	05	Suite 3002 - E	pRe	1236	1429	113	1,356	12/100	<0.01	X	12	09
	06	Suite 3002 - F	pRe	1239	1433	114	1,368	11/100	<0.01	X	12	12
	07	BLANK	BLK	—	—	—	—	—	<0.01	X	—	—

SHIPPED VIA:	SHIPPING TICKET #:	PUMP #	ROTAMETER	(B) FLOW RATE (A)	
SAMPLES TAKEN BY: C. Hardison					
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				

COMMENTS/INSTRUCTIONS:

IH TIME ON SITE 1200 IH TIME OFF SITE 1630

TOTAL BILLABLE HOURS 4.5

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) 07

Microscope ID:

Phase Rings Concentric: (Yes) No

If No, Readjusted: OK

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 3rd floor

LOCATION: 725 17th St., NW Date: 07-22-00

Removal Contractor: Hillian Time Started: 0620

Monitoring Contractor: EMI Time Stopped: 1830

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	✓	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?		
	b. Soap and Towels?		
	c. Used Each Departure?	✓	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

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

Report Prepared By: C. Hardison Date: 07-31-00

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: GSA
Site Name: NEOB
Site Address: 725 17th St., N.W. Washington, DC
Client Contact: Tim Sleeth

Date: 07-22-00
Staff: C. Hardison
Title: IH
Job Number:
Client Phone: 202-208-5257

Summary of Daily Events:

0620 - Arrived on site
0645 - Abatement contractor arrived on site with a crew of four. Supervisor is Mr. Silbio Castro.
0730 - Completed start-up check list
0750 - Abatement crew has started cutting access panel openings in Room "C". Room "C" will have five access panels installed
0830 - Started background samples in Room 3991-C " " to cut one access panel opening that was previously missed.
0820 - Started background samples in Room 3935-A + B.
0910 - Five access panel openings have been cut into the wall in Room "C". Crew is cleaning debris.
0930 - Removal crew has completed removal in Room "C" of Suite 3002 and is ready to begin cutting access panel openings in Room "A".
0936 - Started area samples # 15, 16 + 17 in Room "A" of Suite 3002
1020 - Collected background samples # 13, 14, + 12 from rooms 3935-A+B and Room 3991-C
1031 - Started background samples in Rooms 3935 C, D, E + F
1045 - Collected samples 15, 16 + 17 from 3002-A

Signature of Client/Site Contact: _____ Date: _____

Signature of Representative On Site: C. Hardison Date: 07-22-00

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: GSA
Site Name: NEOB
Site Address: 725 17th St., N.W.
Washington, DC
Client Contact: Tim Sleeth

Date: 07-22-00
Staff: C. Hardison
Title: IH
Job Number:
Client Phone: 202-708-5257

Summary of Daily Events:

1045 - Panels have been removed from 3002-A and crew is preparing to enter 3002-B for removal.
1050 - Crew is entering 3002-B to cut access panel openings.
1050 - Samples # 22, 23 and 24 are started in Room 3002-B
1135 - Crew has completed cutting access panels in Room 3002-B and samples 22, 23 & 24 have been collected for analysis.
1150 final cleaning is complete in Room 3002-C and ready for visual inspection
1210 - Visual inspection is complete and satisfactory. permission is given to encapsulate.
1215 - encapsulation is complete and the abatement crew is breaking for lunch.
~~1220~~ - Collected sample #11 from the negative air exhaust.
1220 - Started sample #25 at negative air exhaust
1330 - Abatement begins cutting access panel openings in 3002-D. Samples #26, 27 & 28 are started
1400 - Started final clearance sample in Room 3002-C
1420 - Started samples # 30, 31 & 32 in 3002-E as workers begin cutting access panel openings.

Signature of Client/Site Contact: _____ Date: _____

Signature of Representative On Site: C. Hardison Date: 07-22-00

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: GSA
Site Name: NEOB
Site Address: 725 17th St., N.W., Washington, DC
Client Contact: Tim Sleeth

Date: 07-22-00
Staff: C. Hardison
Title: IH
Job Number:
Client Phone: 202-708-5257

Summary of Daily Events:

1510 - Collected samples #30, 31 + 32 from 3002-E for analysis.
1512 - Started samples #33, 34 + 35 in Room 3002-B
1528 - Started final clearance sample in Room 3002-A
1545 - Started final clearance sample in Room 3002-B
1810 - Collected final clearance samples in Room 3002-A
1812 - Collected final clearance sample in Room 3002-B
1830 - Departed site

Signature of Client/Site Contact: _____ Date: _____

Signature of Representative On Site: C. Hardison Date: 07-22-00

Enviro-Management,
3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 682-2461

Industrial Hygienist: C. Hardison
Client: GSA
Site: NEOB 3rd floor
Site Address: 725 17th St, NW Wash. DC
Job No.: 070142

Date: 07-22-00
Client Contact: Galen Green
Client Phone: 202-565-0097
Client Address:

Contractor: Hillian
Contractor Contact: Paul Goodier
Contractor Phone: 301-779-8861
Sampling & Analytical Method:
On Site _____ Lab _____

Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; OBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
08	Room 3002 - C	IE	2.5	7268	0745	0934	109	272.5	79/100	0.1	
09	Suite 3002 - C	CR	2.5	7105	0745	0934	109	272.5	15.5/100	0.02	
10	Suite 3002 - C	OE	2.5	7124	0747	0936	109	272.5	12.5/100	0.02	
11	Suite 3002	EX	2.5	7271	0750	1020	270	675	14/100	0.01	
12	Room 3221-C	PRE	12	7175	0830	1026	116	1392	10/100	<0.01	
13	Suite 3235-A	PRE	12	03	0820	1021	181	1452	8/100	<0.01	
14	Suite 3235-B	PRE	12	18	0822	1024	122	1464	6.5/100	<0.01	
15	Suite 3002-A	IE	2.5	7175	0936	1045	69	172.5	10/100	0.02	
16	Suite 3002-A	CR	2.5	7234	0936	1045	69	172.5	5.5/100	0.01	
17	Suite 3002-A	OE	2.5	7178	0936	1045	69	172.5	2.5/100	<0.01	
18	Suite 3235-C	PRE	12	1886	1031	1030	119	1428	3/100	<0.01	
19	Suite 3235-D	PRE	12	1876	1034	1036	122	1464	3/100	<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hardison
RELINQUISHED BY: (DATE/TIME)
RECEIVED BY:

IH TIME ON SITE _____ IH TIME OFF SITE _____
TOTAL BILLABLE HOURS _____
TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) _____

Microscope ID: _____
Phase Rings Concentric: Yes No
If No, Readjusted: OK

FROM ENVIRO-MANAGEMENT, INC. TO 7086618 08/31/2000 16:37 TOTAL P.04

Enviro-Management,

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. Hardison
Client: GSA
Site: NEOB 3rd floor
Site Address: 725 17th St, N.W.
Washington, DC
Job No.: 070142

Date: 07-22-00
Client Contact: Galen Green
Client Phone: 202-565-0097
Client Address:

Contractor: Hillian
Contractor Contact: Paul Goodier
Contractor Phone: 301-772-8861
Sampling & Analytical Method:
On Site _____ Lab _____

Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
20	Suite 3235-E	PRE	12	1985	1036	1238	122	1464	2.5/100	<0.01	
21	Suite 3235-F	PRE	12	18	1045	1250	125	1500	2.5/100	<0.01	
22	Suite 3002-B	IE	2.5	7168	1050	1135	45	112.5	void	—	Excessive Debris
23	Suite 3002-B	CR	2.5	7174	1050	1137	47	117.5	2.5/100	<0.01	
24	Suite 3002 B	OE	2.5	7171	1053	1135	42	105	2.5/100	0.01	
25	Suite 3002	EX	2.5	7105	1320	1620	240	600	10.5/100	<0.01	
26	Suite 3002-D	IE	2.5	7168	1330	1430	50	125	4/100	0.01	
27	Suite 3002-D	CR	2.5	7178	1330	1421	51	127.5	4/100	0.01	
28	Suite 3002-D	OE	2.5	7175	1330	1430	50	125	4.5/100	0.01	
29	Suite 3002-C	IEF	12	1985	1400	1600	120	1440	9.5/100	<0.01	
30	Suite 3002-E	IE	2.5	7153	1420	1510	50	125	76.5/100	0.3	
31	Suite 3002-E	CR	2.5	7136	1420	1510	50	125	18.5/100	0.07	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. Hardison
RELINQUISHED BY: (DATE/TIME)
RECEIVED BY:

IH TIME ON SITE _____ IH TIME OFF SITE _____
TOTAL BILLABLE HOURS _____
TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) _____

Microscope ID: _____
Phase Rings Concentric: Yes No
If No, Readjusted: OK

FROM ENVIRO-MANAGEMENT, INC. TO 7086618 08/31/2000 16:36

Enviro-Management,
3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. HARdison
Client: GSA
Site: NEOB 3rd floor
Site Address: 725 17th ST., NW WASH. DC
Job No.: 070142

Date: 07-22-00
Client Contact: Galen Green
Client Phone: 202-565-0097
Client Address:

Contractor: Hillian
Contractor Contact: Paul Goodier
Contractor Phone: 301-772-8861
Sampling & Analytical Method:
On Site _____ Lab _____

Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.

SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	FLOW RATE	PUMP #	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	COMMENTS/INSTRUCTIONS:
32	Suite 3002-E	OE	2.5	975	1420	1510	50	125	5/100	0.01	
33	Suite 3002-F	IE	2.5	938	1512	1620	68	170	40.5/100	0.1	
34	Suite 3002-F	CR	2.5	951	1512	1620	68	170	1/100	<0.01	
35	Suite 3002-F	OE	2.5	878	1512	1620	68	170	1.5/100	0.01	
36	Suite 3002-A	IEF	12	1976	1628	1810	162	1944	34.5/100	<0.01	
37	Suite 3002-B	IEF	12	18	1545	1812	147	1764	18.5/100	<0.01	
38	Blank	BLK								<0.01	

SAMPLE NUMBER	COMMENTS/INSTRUCTIONS:

SAMPLES TAKEN BY: C. HARdison
RELINQUISHED BY: (DATE/TIME)
RECEIVED BY:

IH TIME ON SITE 0620 IH TIME OFF SITE 1830
TOTAL BILLABLE HOURS 11
TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) 38

Microscope ID:
Phase Rings Concentric: Yes No
If No, Readjusted: OK

GSA ASBESTOS ABATEMENT MONITORING CHECKLIST

Building: NEOB Project: 3rd Floor

LOCATION: 725 17th St, N.W. Date: 07-23-00

Removal Contractor: Hillian Time Started: 0630

Monitoring Contractor: EMI Time Stopped 1500

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
1. Work site Isolation	a. Perimeter Barrier	✓	
	b. Decontamination Curtains	✓	
	c. Negative Pressure Glovebag Project.	✓	
	d. Seals around ducts, windows and doors	✓	
	e. "Negative air machine" in use	✓	
	f. Negative pressure >0.02"	✓	
2. Signage	a. Caution Sign at vestibule entry.	✓	
	b. OSHA SIGN (ASBESTOS)	✓	
	c. Dumpster, ducts, drums, and bags labelled	✓	
3. Work Practices	a. Hammers, Saws, etc. NOT in use.	✓	
	b. Removed Material Promptly Bagged.	✓	
	c. Debris Stoped in removal area.	✓	

GSA ASBESTOS ABATEMENT MONITORING CHECKING (Back)

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use.	✓	
	e. Material Kept Wetted Until Bagged.	✓	
4. Worker Protection	a. Disposable Clothimg Used One Time.	✓	
	b. Proper NIOSH respirstions.	Disp HEPA ✓ PAPR TYP"C"	
	c. Proper Decontamination Sequence Followed	✓	
5. Showers	a. Functioning?	✓	
	b. Soap and Towels?	✓	
	c. Used Each Departure?	✓	
6. Work Habits In Work Area	a. No Smoking	✓	
	b. No Eating/Drinking	✓	

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

Report Prepared By: C. Hardison Date: 07-23-00

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT

Building: NEOB Project: 3rd floor

Location: 725 17th St., NW Date: 07-13-00

Removal Contractor: Hillian Time Inspected: 1430

Monitoring Contractor: _____ Time Completed: 1449

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

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

Activity to be Checked		Within Limits	Problem Encountered
1. Residual Dust on:			
(below eye level)	a. Floor	✓	
	b. Horizontal Surfaces	✓	
	c. Pipes.	✓	
	d. Ventilation Equipment.	✓	
(above eye level)	e. Horizontal Surface.	✓	
	f. Pipes.	✓	
	g. Ducdwork.	✓	
	h. Registers	✓	
	i. Lights.	✓	

GSA FINAL INSPECTION OF ASBESTOS ABATEMENT PROJECT (BACK)

BULK SAMPLES:

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

FINAL AIR SAMPLING:

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

Serial Number:	071285	071276			
Location:	Suite 3000	suite 3000			
Volume (Liters):	1,440	1,260			
Flow rate: (Liters/Minute)	12	12			
Fibers/Filter:	9.5/100	10/100			
Fibers/Cubic Cm:	<0.01	<0.01			

ANALYSTS ANALYZING SAMPLING: C. Hardison DATE: 07-23-00

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

REPORT PREPARED BY: _____ DATE: _____

REPORT REVIEWED BY: _____ DATE: _____

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: GSA
Site Name: NEOB
Site Address: 725 17th ST. N.W. WASHINGTON, DC
Client Contact: TIM SLEETH

Date: 07-23-00
Staff: C. HARDISON
Title: IH
Job Number: 20149
Client Phone:

Summary of Daily Events:

0630 - ARRIVED ON SITE
0650 - ABATEMENT CREW IS ON SITE AND PREPARING TO DISMANTLE CONTAINMENTS 3002-A, 3102-B & 3002-C
0700 - FINAL CLEARANCE SAMPLES ARE STARTED IN 3002-D, 3002-E & 3002-F. (39, 40, 41)
0750 - CONTAINMENT IN ROOM IS READY FOR INSPECTION ROOM 3997-A
0800 - INSPECTION IS SATISFACTORY AND PERMISSION IS GIVEN TO PROCEED.
0800 - STARTED PUMPS FOR SAMPLES 42, 43, 44 + 45
0845 - REMOVAL IS COMPLETE IN ROOM 3997-A
0855 - STARTED PUMPS FOR SAMPLES 46, 47 + 48 IN ROOM 3997-B
0900 - WORKERS BEGIN CUTTING ACCESS PANELS IN ROOM 3997-B
0930 - CONTAINMENT IN ROOM IS READY FOR INSPECTION
0930 - INSPECTION OF CONTAINMENT IN ROOM IS COMPLETE AND PERMISSION IS GIVEN TO PROCEED.
0930 - SAMPLES 49, 50 + 51, 52 ARE STARTED IN ROOM 3991-B
0937 - COLLECTED FINAL CLEARANCE SAMPLES FROM ROOMS 3002-D, 3002-E, + 3002-F FOR ANALYSIS.
1002 - ANALYSIS REVEAL A FINAL CLEARANCE LEVEL OF <0.01 FOR ROOMS 3002-D, 3002-E + 3002-F.

Signature of Client/Site Contact: _____ Date: _____

Signature of Representative On Site: Curtis Hardison Date: 07-23-00

DAILY PROJECT SUMMARY SHEET

Form 1A

Client: GSA
Site Name: NEOB
Site Address: 725 17th St., N.W.
WASH DC
Client Contact: Galen Green

Date: 07-23-06
Staff: C. Hardison
Title: PH
Job Number: 70142
Client Phone:

Summary of Daily Events:

1005 - permission is given to remove containments in Rooms 3009-D, 3009-E & 3009-F.
1048 - Inspected containment in 3997-A and gave permission to encapsulate after collecting samples for analysis.
1130 - Collected samples from 3997-B for analysis and gave permission to encapsulate after inspecting.
1210 - Collected samples from 3921-B and gave permission to encapsulate after inspection.
1330 - Started final air samples in Rooms 3997-A, 3997-B and 3921-B.
1415 - Collected final clearance samples for analysis in Rooms 3997-A, 3997-B and 3921-B
1425 - microscopic analysis shows that the final clearance results for Rooms 3997-A, 3997-B & 3921-B - is <0.01 f/cc which indicates that those rooms are safe for occupancy after abatement.
1428 - permission is given to dismantle containments
1430 - All work areas have been cleaned of equipment, supplies and debris.
1500 - Depart site

Signature of Client/Site Contact: _____ Date: _____

Signature of Representative On Site: C. Hard Date: 07-23-06

Enviro-Management, Inc.

CHAIN OF CUSTODY/DATA FORM

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. HARDISON	Date: 07-23-00	Contractor: HILLIAN	
Client: GSA	Client Contact: Galen Green	Contractor Contact:	
Site: NEOB	Client Phone: 202-565-0079	Contractor Phone:	
Site Address: 795 17th St., NW WASH. DC	Client Address:	Sampling & Analytical Method:	
		On Site ____ Lab ____	
Job No.: 70142	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.		

FIELD IDENTIFICATION	SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	TWA	FLOW RATE	PUMP #
	39	3002-D	IEF	0700	0937	157	1,884	18.5/100	<0.01	X	12	
	40	3002-E	IEF	0700	0937	157	1,884	11.5/100	<0.01	X	12	
	41	3002-F	IEF	0700	0938	158	1,896	13/100	<0.01	X	12	
	42	3227-A	IE	0800	0925	85	212.5	32.5/100	0.08	X	2.5	
	43	3227-A	CR	0800	0925	85	212.5	32.5/100	0.07	X	2.5	
	44	3227-A	OE	0802	0925	83	207.5	25.5/100	0.06	X	2.5	
	45	3227-A+B	EX	0804	1129	205	512.5	30/100	0.01	X	2.5	
	46	3227-B	IE	0929	1129	205	512.5	13/100	0.01	X	2.5	
	47	3227-B	CR	0930	1129	205	512.5	12.5/100	0.01	X	2.5	
	48	3227-B	OE	0930	1129	205	512.5	8.5/100	<0.01	X	2.5	
	49	3227-B	IE	0930	1210	158	395	VOID	Xcess	debris		
	50	3221-B	CR	0930	1210	160	400	24/100	<.04	X	2.5	

SHIPPED VIA:	SHIPPING TICKET #:	PUMP #	ROTAMETER	(B) FLOW RATE (A)	
SAMPLES TAKEN BY: C. HARDISON					
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				

COMMENTS/INSTRUCTIONS:

IH TIME ON SITE 0630 IH TIME OFF SITE 1500

TOTAL BILLABLE HOURS 8.5

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) 18

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

Enviro-Management, Inc.

CHAIN OF CUSTODY/DATA FORM

3100 Pennsylvania Avenue, SE
Washington, DC 20020
(202) 582-2461

Industrial Hygienist: C. HARdison	Date: 07-23-00	Contractor: Hillian
Client: GSA	Client Contact: Galen Green	Contractor Contact:
Site: NEOB	Client Phone: 202-565-0079	Contractor Phone:
Site Address: 725 17th ST., NW WASH. DC	Client Address:	Sampling & Analytical Method: ____ On Site ____ Lab ____
Job No.:	Abbreviations: Pre = background sample; BZ = personal breathing zone; IEF = final clearance; EX = microtrap exhaust; IE = inside enclosure; OE = outside enclosure; GBA = glovebag area; BLK = blank; CR = clean room; NFO = no fibers observed in 100 fields.	

FIELD IDENTIFICATION	SAMPLE NUMBER	LOCATION/EMPLOYEE	SAMPLE TYPE	TIME ON	TIME OFF	DURATION MINUTES	LITERS	FIBERS FIELDS	FIBERS PER CC	TWA	FLOW RATE	PUMP #
	51	3221-B	OE	0930	1210	160	400	9.5/100	0.01	X	2.5	
	52	3221-B	EX	0932	1210	158	395	13.5/100	<0.01	X	2.5	
	53	3227-A	IEF	1330	1415	105	1,260	8/100	<0.01	X	12	
	54	3227-B	IEF	1330	1415	105	1,260	10/100	<0.01	X	12	
	55	3221-B	IEF	1330	1415	105	1,260	16/100	<0.01	X	12	
	56	BLANK							<0.01			

SHIPPED VIA:	SHIPPING TICKET #:	PUMP #	ROTAMETER	(B) FLOW RATE (A)	
SAMPLES TAKEN BY:					
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				
RELINQUISHED BY: (DATE/TIME)	RECEIVED BY:				

COMMENTS/INSTRUCTIONS:

IH TIME ON SITE ____ IH TIME OFF SITE ____

TOTAL BILLABLE HOURS ____

TOTAL BILLABLE SAMPLES (BLANKS + SAMPLES - VOIDED SAMPLES) ____

Microscope ID: ____

Phase Rings Concentric: Yes No

If No, Readjusted: OK

GSA

GSA National Capital Region - Public Buildings Service
Safety, Environment & Fire Protection Branch (WPYG)

SEPTEMBER 21, 2000

MEMORANDUM TO: KERRY BONOS
WHITE HOUSE SDT (WPW)

FROM: TIM SLEETH, INDUSTRIAL HYGIENIST
SAFETY, ENVIRONMENTAL AND FIRE PROTECTION BRANCH (WPYG)

SUBJECT: NEW EXECUTIVE OFFICE BUILDING
2ND FLOOR
725 17TH ST., NW
WASHINGTON, DC

PROJECT: ASBESTOS ABATEMENT MONITORING

From July 28th through July 29th, 2000, SaLUT, Inc. monitored the abatement of known asbestos-containing materials (ACMs) from the New Executive Office Building, located at 725 17th St., NW, Washington, DC. During abatement operations approximately 85 square feet of asbestos containing sprayed on fireproofing and 85 square feet of asbestos containing ceiling plaster were removed from the 2nd floor.

Asbestos abatement activities were conducted within a negative pressure enclosure with an attached three-stage decontamination unit. Additionally, wet methods and HEPA (High Efficiency Particulate Air) vacuums were utilized during abatement operations to control fiber release. During asbestos abatement operation workers utilized protective clothing and half-face HEPA respirators.

Air monitoring samples were collected and analyzed on site by Phase Contrast Microscopy (PCM), NIOSH 7400 Method. All of the air samples collected outside the work area yielded results below then Reoccupancy Standard of 0.01 fibers/cc.

Two (2) final clearance air samples were collected and analyzed by Transmission Electron Microscopy (TEM). The final air clearance samples yielded less then the AHERA (Asbestos Hazard Emergency Reauthorization Act) clearance standard of 70 s/mm^2.

Please note that suspect and known ACMs may still exist within these areas of the New Executive Office Building, such ACMs may be found within walls, behind mechanical equipment within the mechanical rooms and interstitial ceiling space, or other areas that were not accessible at the time of the renovations.

Should you have any questions please contact me at (202) 708-5257.

DC0105
#1578
9-21-00/JGH/WPYG
CC: KERRY BONOS

SaLUT

Soil and Land Use Technology, Inc.

11609 Edmonston Road, Beltsville, Maryland 20705

Telephone: (301) 595-3783
Fax: (301) 595-3787

August 9, 2000

General Services Adm., NCR
Safety & Environmental Management Division
7th & D Streets, SW, Room 2080
Washington, D.C.
ATTENTION: Ms. Normajean Eleazer

Re: New Executive Office Building - Rooms 2200 & 2200A
Order No.: P1100DC0343
Act No.: P02640824
SaLUT Job #: 00-189

Dear Ms. Eleazer:

Pursuant to your request, Soil and Land Use Technology, Inc. (SaLUT) monitored asbestos abatement activities at the New Executive Office Building, Rooms 2200 and 2200A, 725 17th Street, NW, Washington, DC. SaLUT's industrial hygienists, Ms. Judy Allbright and Mr. Ousman Auber, performed all air monitoring and inspections from July 28-29, 2000. The abatement contractor on site was EDS.

The scope of SaLUT's work included technical monitoring during the removal of approximately 85 square feet of plaster ceiling and 85 square feet of asbestos containing sprayed on fireproofing from the deck. EDS performed all removal within a negative pressure enclosure with a three-stage decontamination chamber attached. Removal methods included wetting the material, scraping and HEPA vacuuming to control fiber release. During all asbestos related activities, workers wore protective clothing and half-face HEPA air purifying respirators.

On July 29, SaLUT performed a visual inspection of the work area to insure the area was free from visible debris. After a penetrating encapsulant was applied to all surfaces and allowed to dry, aggressive final clearance air sample collection occurred. Two air samples were submitted to AMA Analytical Services, Inc. and were analyzed by Transmission Electron Microscopy (TEM). Results yielded less than 70 structures per square millimeter, the level for occupancy as stated in the EPA guidance publications.

Air samples were collected inside and outside the work area during removal and analyzed on site by Phase Contrast Microscopy, NIOSH Method 7400. All samples collected outside the containment yielded results of <0.01 fibers per cubic centimeter, the level for occupancy as stated in the EPA guidance publications.

Enclosed are the daily logs, checklists, and air sample data sheets. Laboratory analysis and chain of custody are also 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

SaLUT

11609 Edmonston Road • Beltsville, MD 20705 • (301) 595-3783

IH ABATEMENT DAILY REPORT

Client: GSA Job No: 189 Date 7-28 Employee: Judy Allbright

Project: NEOB - 2nd On-Site From: 3:00 PM To: 8:00 AM

Work in Progress / Summary of Activities:

3:00 Set up in progress on southwest corner of second floor of the NEOB. The area is roughly 2500 sq. ft. Removal is of plaster ceiling panels to access sprayed on ceiling ACM.
Supervisor is Ruben Ceiba. The crew consists of
Ceilings are roughly 12'. Scaffolding, of course will be necessary.

4:00 - Containment ready for inspection. It is extremely well constructed and O/K'd to begin removal

5:00 HVAC crew is trying to shut down vent system. It is ordinarily shut down at 7:00 PM. Ray Sibook will try to shut it by 6:00 so work can begin

6:30 Rene Guevara's crew of 10 relieves Ruben's crew. Work begins. GSA electricians enter with crew

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Sprayed on ceiling insulation

Containment: Full

Decon: 3 stage

PPE: Full Face

Removal Methods: Wet

Abatement Contractor: WDS

SaLUT

11609 Edmonston Road • Beltsville, MD 20705 • (301) 595-3783

DAILY REPORT, Contd.

Project: NEOB Job No. _____ Date: 2·28·2000 Page 2 of 2

Work in Progress / Summary of Activities:

Ray Sibroski reports that air has been shut down.

8:00 Electricians have gone into containment to remove lights. Crew discovered open area above ceiling (3 ft high) that prevents attaining negative air. Poly critical will be installed around the perimeter.

9:00 Barrier being installing. Fire alarm cannot be disconnected until 6:00 AM Saturday. Rene asks for another string of lights - two are in use now.

11:00 Crew continues to hang critical. More lights are also brought in.

12. Break for lunch. -

2:30 Criticals complete work begins on first ceiling.

3:30 Negative pressure drops - one microtrap is temporarily shut down.

4:30 Work continues - cuts in plaster ceiling -

5:30 Negative pressure falls - repairs made to one unit - pressure established - Crew out for change

6: New crew - Ruben Ochoa stays on
7:00 1st change due - leave at arrival of relief
8:00 Off site.

Employee: Judy Allen

EXHIBIT A
ASBESTOS PRE-ABATEMENT CHECKLIST

Building: NEOB Project: GSA

Location: _____ Date: T. 28-2000

Removal Contractor: EDS Time Inspected: 4:00 PM

Monitoring Contractor: SaLUT Time Removal Began: 2:30

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. Negative Air Machine" in use?	5	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ✓ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	

FIELD NOTES: Describe any problems encountered _____

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEDP

Project: GSA

Location: 2nd Floor

Date: 7.28.2000

Removal Contractor: EDS

Time Inspected: 4:00

Monitoring Contractor: SaLVT

Time Removal Began: 2:30

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	5	
	f. Negative pressure greater than 0.02"	✓ (Manometer)	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ✓ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	Yes - to remove ceiling.	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

SaLUT

11609 Edmonston Road • Beltsville, MD 20705 • (301) 595-3783

IH ABATEMENT DAILY REPORT

Client: GSA Job No: 00-189 Date 7/29/00 Employee: Ousman Arber

Project: NEOB On-Site From: 7:30 a.m. To: 7:30 pm

Work in Progress / Summary of Activities:

7:30 - On-site at NEOB, E.D.S on-site removing drop ceiling
Meet up with Supervisor Reuben, E.D.S has 11 employees on-site,
Visual inspection of Containment Conducted, Negative pressure
not sufficient, all criticals have been sealed up, Microfraps
venting outdoors, E.D.S instructed to raise negative pressure
by adding extra microfraps, Drop cloth on floor (2 layers)
9:00 - Environmental Samples set to run inside and outside work
area, E.D.S not abating Sprayed-on ACM yet, water
used inside containment ACM signs available and Posted.
10:00 - Bagging out of ceiling debris in cylindrical drums in
progress, E.D.S urged to label drums removed, E.D.S
using freight elevator and loading dock for removal
Grids + light fixtures inside Containment being removed, These
items have been cleaned inside containment prior to
removal, Negative pressure > -0.021
11 a.m - Bagging out of debris in progress, no visible leaks
on containment detected.
12 pm - E.D.S on break, Samples removed to be analyzed.
1 pm - E.D.S resumes abatement, Drop ceiling demolition
Complete, Spray on removal in progress, water used
inside, Scaffold present, No personal monitoring observed.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Sprayed ON ACM

Containment: Full Enclosure
Decon: 3-STAGE
PPE: Full Face / Tyvek Suits
Removal Methods: Wet Scraping
No. of Bags Removed
Abatement Contractor: E.D.S

Reviewed By:_____

SaLUT

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DAILY REPORT, Contd.

Project: _____ Job No. _____ Date: 7/29/00 Page 2 of 2

Work in Progress / Summary of Activities:

2pm - ACM abatement in progress, E.D.S Supervisor Reuben observed entering enclosure with half-face respirator, Area kept wet at all times to keep fiber levels down

3pm - ACM abatement in progress, water used. Another Contractor observed removing ACM from building improperly - Hillian Company was seen removing ~~[illegible]~~ bagged ACM through front entrance of NEOB and transporting ACM bags + Microbrags + supplies in the back of an Open Pick-Up Truck.

4pm - ACM Abatement and bagging out in progress, E.D.S Supervisor informs me that ACM labels have ran out + that he'll label bags when labels arrive. Environmental monitoring in progress.

5pm - ACM Abatement in progress, Negative pressure O.K, All criticals inside sealed up

6pm - ACM Abatement in progress, Bagging out in progress, E.D.S getting ready for next shift to take order 24HR operation, Other

7pm - Other SaLUT I.H, Judy Albright, on-site to perform monitoring

Employee: _____

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB

Project: Spray-on Abatement

Location: 2nd Floor

Date: 7/29/00

Removal Contractor: E.D.S

Time Inspected: 9a.m

Monitoring Contractor: Salut

Time Removal Began: 7:00 a.m

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. Glove Bag Project	N/A	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ✓ HEPA ✓ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

SaLUT

11609 Edmonston Road • Beltsville, MD 20705

IH ABATEMENT DAILY REPORT

Client: GSA Job No: 00-189 Date 7-29 Employee: Judy Allbright

Project: NEDB On-Site From: 7:00A To:

Work in Progress / Summary of Activities:

7:00 On site to relieve Ousman Auher. Supervisor on this shift is Ruben Ochoa. His crew is 13 men. The crew is now busy fine cleaning the area. Ruben predicts this phase will require 6-7 hours.

8:00 Fine cleaning continues.

9:00 Uneventful evening - extremely quiet
10:00

11:00 6 microtraps are vented through a front door - one OS man says vents are blowing on him - Jim Fisher explains that air is filtered and safer than outside air

11:45 Bags out - inspection of the area shows that much debris remains to be removed. This includes much of the metal cut from the ceiling.

12:45 Break for lunch

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Spray on ceilings (400 bags - 100 drums)

Containment: Full

Decon: 3 stage

PPE: Full face

Removal Methods: Wet

Abatement Contractor: KDS

Reviewed By:

SaLUT

11609 Edmonston Road • Beltsville, MD 20705 • (301) 595-3783

DAILY REPORT, Contd.

Project: NEDB Job No. _____ Date: 7.29.00 Page 2 of 3

Work in Progress / Summary of Activities:

1:45 Return to work. Ruben predicts that there is another four hours needed to complete cleaning. Jim Fisher is working with us tonight on this shift.

3:30 Fine cleaning - bags out 400 - Drums 100

4:30 Loading to trucks

5:30 Inspection - all surfaces and floors clean - Walls, lights - clean - OK to encapsulate

6:15 - Aggressive sampling with leaf blowers and fans

Employee: Judy Allbright

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB Project: GSA

Location: 3rd Floor - SW Corner Date: 7.29.2000

Removal Contractor: KDS Time Inspected: 7:15

Monitoring Contractor: SahUT Time Removal Began: 6:15

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	6	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	

Inspection Category	Activity to be Checked	Within Limits	Problem Encountered
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	✓	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ___ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT C

FINAL INSPECTION OF ASBESTOS ABATEMENT CHECKLIST

Building: NEOB

Project: GSA

Location: 2nd Floor

Date: 7.29.00

Removal Contractor: EDS

Time Inspected: 5:30

Monitoring Contractor: SaLUT

Time Completed: 9:30

Inspection Category	Activity to be checked	Within Limits	Problem Encountered
1. Residual Dust on:	a. Floor	✓	
	b. Horizontal Surfaces	✓	
	c. Pipes	✓	
	d. Ventilation Equipment	✓	
	e. Horizontal Surfaces	✓	
	f. Pipes	✓	
	g. Ductwork	✓	
	h. Registers	✓	
	i. Lights	✓	

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.

Location:	East Court	West Court		
Volume(liters)	1200	1200		
Flow Rate (liters/min)	10.0	10.0		
Fibers/Filter	TEMS			
Fibers/cc				

Analyst Analyzing Samples: AMA Date: 7.29.00

Field Notes: Describe any problems encountered during final inspection

Air Sample Data Sheets

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 - 2nd Floor
Job No.:
Name: Judy Allbright

Type of Sample: PCM TEM LEAD
Client: GSA
Date: 7.28.00 Time on-site: 3:00 AM to 6:00 AM
Analyzed On-site: ✓ Laboratory: TEMS

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
NEOB 7.28.001	FB	—	—	—	—	—	—	0/100	<0.01	Field Blank
002	FB	—	—	—	—	—	—	0/100	<0.01	Field Blank
003	BG	10.0	3:15	10.0	5:15	120	1200	3/100	<0.01	Ent. to Decon
004	BG	10.00	3:20	10.0	5:20	120	1200	4/100	<0.01	West End
005	WA	3.0	2:00	3.0	6:00	240	720	16/100	.010	Center SE Corner
006	EV	5.0	2:10	5.0	6:10	240	1200	6/100	<0.01	5' From Decon
007	EV	5.0	2:15	5.0	6:15	240	1200	7/100	<0.01	Hallway
008	EV	3.0	2:00	3.0	6:00	240	720	10/100	<0.01	First Stage

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

Project: NEOB
Job No.: 00-189
Name: Ousman Auber

Type of Sample : PCM TEM LEAD
Client: G.S.A
Date: 7/29/00 Time on-site: 7:30 to 7:30
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
-01	FB							0/100	<0.01	Open Blank
-02	FB							0/100	<0.01	Closed Blank
-03	WA	3	8:00	3	12:00	240	720	22.5/100	0.02	Near Microfrag/Near decon
-04	EV	5	8:00	5	12:00	240	1200	7/100	<0.01	Outside Decon
-05	EV	5	8:00	5	12:00	240	1200	3.5/100	<0.01	Near Bag-out Area
-06	WA	3	2:00	3	6:00	240	720	16/100	0.01	Near Microfrag/Decon Entrance
-07	EV	5	2:05	5	6:05	240	1200	4.5/100	<0.01	Outside Decon
-08	EV	5	2:05	5	6:05	240	1200	2/100	<0.01	Near Bag-out Area.

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

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: NEDR - 2nd Floor
Job No.:
Name: Judy Allbright

Client: GSA
Date: 7-29-2000 Time on-site: 7:00 to
Analyzed On-site: ✓ Laboratory: Asma

Sample ID	Type	Flow (Lpm) / Time ON		Flow (Lpm) / Time OFF		Flow Time (min)	Volume (L)	Fibers/ Fields	Fibers/ cc	Location
001	FB	—		—		—	—	0/100	<0.01	Field Blank
002	FB	—		—		—	—	0/100	<0.01	Field Blank
003	WA	3.0	7:15	3.0	9:15	120	360	15/100	.020	Center-Containment
004	EV	5.0	7:20	5.0	11:20	240	1200	8/100	<0.01	Ent. to Decon.
005	EV	5.0	7:25	5.0	11:25	240	1200	10/100	<0.01	10' From Ent to Decon
006	EV	5.0	11:25	5.0	3:25	240	1200	6/100	<0.01	Ent to Decon
007	EV	5.0	11:30	5.0	3:30	240	1200	4/100	<0.01	10' From Ent.
008	WA	3.0	11:15	3.0	3:15	240	720	10/100	<0.01	Center-Cont
T 009	FC	10.0	6:30	10.0	8:30	120	1200	TEM →		East Cont.
T 010	FC	10.0	6:30	10.0	8:30	120	1200	TEM →		West Cont

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

TEM Laboratory Analysis

AMA Analytical Services, Inc.

Electron & Optical Microscopy Services

CERTIFICATE OF ANALYSIS

NVLAP
NY ELAP
AIHA

Client:	SaLUT, Inc.	**Job Name:**	NEOB	**Chain Of Custody:**	74099
Address:	11609 Edmonston Road	**Job Location:**	The White House	**Date Analyzed:**	07/30/2000
	Beltsville, Maryland 20705	**Job Number:**	Not Provided	**Person Submitting:**	Judy Allbright
		P.O. Number:	Not Provided		
Attention:	Joyce Walker				

Summary of Transmission Electron Microscopy

Filter Type: MCE **Pore Size:** N/P **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
0052190	008	1200	0.0744	0.0043	0	0	< 13	< 0.0043	N/P	
0052191	009	1200	0.0744	0.0043	0	0	< 13	< 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

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
4475 Forbes Blvd. • Lanham, MD 20706 • (301) 459-2640 • Toll Free (800) 346-0961 • Fax (301) 459-2643

FILE COPY

General Services Administration
National Capital Region
Washington, DC 20407

June 1, 2000

MEMORANDUM FOR DONALD PLUMMER, DIRECTOR
WHITE HOUSE SERVICE DELIVERY TEAM (WPW)

FROM: TIMOTHY SLEETH
SAFETY, ENVIRONMENT AND
FIRE PROTECTION BRANCH (WPYG)

SUBJECT: RESULTS OF ENVIRONMENTAL AIR SAMPLING
NEW EXECUTIVE OFICE BUILDING (NEOB)
725 17TH STREET, NW
WASHINGTON, DC

This memorandum is being sent to transmit the results of environmental air sampling conducted April 20, 21, 25, 26 and 27, 2000, at the New Executive Office Building (NEOB). The results represent ambient asbestos fiber levels in the referenced locations during normal occupant activities and the operation of the building's air handling units.

A total of forty-nine (49) air samples were collected and analyzed by Transmission Electron Microscopy (TEM) using the EPA AHERA Method. Air samples were collected in locations noted in the attached report, andwere representative of each air handling zone. Results of the forty-nine samples showed average asbestos fiber levels of less than 15.50 structures per square millimeter (<15.50 s/mm^2), which is well below the level of 70 s/mm^2, which is the EPA recommended level for reoccupancy following asbestos response actions.

Should you have questions concerning this matter, please contact me on (202) 708-5257

Attachment

Cc: Official, Facility, WPYG
Subject File: DC00105
Sleeth: 06/01/00x708-5257
<WINWORD>NEOBtemmemo.DOC

Author: Tim Sleeth Date: 6/1/00
Timothy Sleeth, Industrial Hygienist (WPYG)

Tidewater, inc.

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

T.S./WPY6
6-1-00
DC010522
cc: WPW

May 16, 2000

Ms. Normajean P. Eleazer
General Services Administration, National Capital Region
Safety & Environmental Management Division (WPX)
7th & D Streets, SW, Room 2080
Washington, DC 20407

RE: TEM Sampling of New Executive Office Building, Washington DC
Order # P-11-00-DC-0182

Dear Ms. Eleazer:

Tidewater, Inc. performed TEM Air Sampling at the New Executive Office Building, located at 725 17th St., NW, Washington, DC. The work was performed under contract number GS11P99YAD0717. This report summarizes findings from the sampling performed by Tidewater on April 20, 21, 25, 26, and 27, 2000. Tidewater's industrial hygienists Brett Huntington and Morgan Hall performed the sampling.

Tidewater personnel ran TEM air pumps on the 1st through the 10th floors, and on the Penthouse/Mechanical Room Area. All samples were taken in the breathing zones of the office areas.

A total of 49 TEM samples were taken during the sampling event. The samples were sent to EMSL Analytical, Inc. where they were analyzed for asbestos fibers by Transmission Electron Microscopy (TEM). The results are summarized in Table 1. The laboratory analytical data sheets are attached as Appendix A to this report.

The analytical results indicate that all samples were below the laboratory detection limits of 15.50 structures per square millimeter (S/mm^2), which is well below the recommended EPA clearance level of 70 S/mm^2.

Tidewater is pleased to have provided industrial hygiene services for this emergency response action. If you have any questions please call us at (410) 997-4458.

Sincerely,

TIDEWATER, INC.

Richard Yim, P.E.
Project Manager

Attachments

Tidewater

TABLE 1:
TEM SAMPLE RESULTS

Sample Number	Date	Volume (Liters)	Location	Number of Structures	Asbestos Concentration (S/mm^2)
NEOB-1	4/20/00	1200	Library 1st Floor	0	<15.50
NEOB-2	4/20/00	1200	G202A	0	<15.50
NEOB-3	4/20/00	1200	Secret Service Lock Rm 1st Floor	0	<15.50
NEOB-4	4/20/00	1200	Cafeteria 2nd Floor	0	<15.50
NEOB-5	4/20/00	1200	Room 2008 (Gym)	0	<15.50
NEOB-6	4/20/00	1200	Room 2020 Military Office	0	<15.50
NEOB-7	4/20/00	1200	Room 2200A	0	<15.50
NEOB-8	4/20/00	1200	Thoroughfare/walkway	0	<15.50
NEOB-9	4/20/00	1200	Room B227	0	<15.50
NEOB-10	4/20/00	1200	Room B212	0	<15.50
NEOB-1	4/21/00	1200	Room SB214	0	<15.50
NEOB-2	4/21/00	1200	Room next to SB235	0	<15.50
NEOB-3	4/21/00	1200	Room SB223	0	<15.50
NEOB-4	4/21/00	1200	Room 3001	0	<15.50
NEOB-5	4/21/00	1200	Room 3026 Right corner	0	<15.50
NEOB-6	4/21/00	1200	Room 3026 Middle area	0	<15.50
NEOB-7	4/21/00	1200	Room 3202	0	<15.50
NEOB-8	4/21/00	1200	Room 4013 (Conference Rm)	0	<15.50
NEOB-9	4/21/00	1200	Room 4002 (Middle Area)	0	<15.50
NEOB-10	4/21/00	1200	Room 4224 (Computer Rm)	0	<15.50
042500-01	4/25/00	1200	Room 5002	0	<15.50
042500-02	4/25/00	1200	Room 5026	0	<15.50
042500-03	4/25/00	1200	Room 5202	0	<15.50
042500-04	4/25/00	1200	Room 5235	0	<15.50
042500-05	4/25/00	1200	Room 6001	0	<15.50
042500-06	4/25/00	1200	Room 6025	0	<15.50
042500-07	4/25/00	1200	Room 6201	0	<15.50
042500-08	4/25/00	1200	Room 6236	0	<15.50
042500-09	4/25/00	1200	Room 7001	0	<15.50
042500-10	4/25/00	1200	Room 7026	0	<15.50
042600-01	4/26/00	1200	Room 7202	0	<15.50
042600-02	4/26/00	1200	Room 7235	0	<15.50
042600-03	4/26/00	1200	Room 8002	0	<15.50
042600-04	4/26/00	1200	Room 8025	0	<15.50
042600-05	4/26/00	1200	Room 8201	0	<15.50
042600-06	4/26/00	1200	Room 8236	0	<15.50
042600-07	4/26/00	1200	Room 9001	0	<15.50
042600-08	4/26/00	1200	Room 9026	0	<15.50
042600-09	4/26/00	1200	Room 9202	0	<15.50
042600-10	4/26/00	1200	Room 9235	0	<15.50

Tidewater

TABLE 1:
TEM SAMPLE RESULTS (cont.)

Sample Number	Date	Volume (Liters)	Location	Number of Structures	Asbestos Concentration (S/mm^2)
042700-01	4/27/00	1260	Penthouse – South Side	0	<15.50
042700-02	4/27/00	1260	Penthouse – Middle	0	<15.50
042700-03	4/27/00	1260	Penthouse – North end	0	<15.50
042700-04	4/27/00	1260	Penthouse – Middle	0	<15.50
042700-05	4/27/00	1260	Room 10002	0	<15.50
042700-06	4/27/00	1260	Room 10025	0	<15.50
042700-07	4/27/00	1260	Room 10201	0	<15.50
042700-08	4/27/00	1260	Room 10236	0	<15.50
042700-09	4/27/00	1260	Field Blank	0	<15.50

APPENDIX A:

LABORATORY ANALYTICAL DATA SHEETS

EMSL Analytical, Inc.

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

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

Thursday, April 20, 2000

Ref Number: MD001706

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

Project: New Executive Office Bldg.

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5μ - < 5μ	# STRUCTURES ≥ 5μ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
NEOB-1	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-2	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-3	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-4	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-5	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-6	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
Analyst

Approved Signatory

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

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

EMSL Analytical, Inc.

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

EMSL

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

Thursday, April 20, 2000

Ref Number: MD001706

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

Project: New Executive Office Bldg.

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5μ - < 5μ	# STRUCTURES ≥ 5μ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
NEOB-7	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-8	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-9	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-10	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
Analyst

Approved Signatory

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

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

MD001766

EMSL ANALYTICAL CHAIN OF CUSTODY ASBESTOS

EMSL Representative:			
Your Company Name:	Tidewater	EMSL-Bill to:	
Street:	6950 Route 108	Street:	
Box #:		Box #:	
City/State:	Baltimore, Md. Zip: 21045	City/State:	Zip:
Verbal Results to:	Richard Yin	Fax Results to:	
Telephone #:	410-997-4455	Fax #:	
Project Name/Number:	New Executive Office Bld.	Purchase Order #	

MATRIX

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

TURNAROUND TIME

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

**Must call Lab for approval

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

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

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

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

SEM
- ☐ Qualitative
- ☐ Quantitative

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

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

TEM WIPE
- ☐ Quantitative
- ☐ Qualitative

XRD
- ☐ Asbestos
- ☐ Silica

- ☐ **OTHER**
- ☐ **COMMENTS**

Client Sample # (s)

Total Samples:

Relinquished:	[illegible]	Date:	4/20/00	Time:	1700
Received:	[illegible]	Date:	4/20/00	Time:	17:00
Received:		Date:		Time:	

SAMPLE DATE	SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
4-20-00	NEOB-1	Library 1st floor	1200 L
4-20-00	NEOB-2	G-202A	
4-20-00	NEOB-3	Secret Service Lock room 1st floor	
4-20-00	NEOB-4	Cafeteria 2nd floor	
4-20-00	NEOB-5	Room 2000 (Gym)	
4-20-00	NEOB-6	Room 2020 military office	
4-20-00	NEOB-7	Room 2200 A	
4-20-00	NEOB-8	Through fare / walkway	
4-20-00	NEOB-9	B-227	
4-20-00	NEOB-10	B-212	1200 L

EMSL Analytical, Inc.

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

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

Saturday, April 22, 2000

Ref Number: MD001732

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

Project: Samples NEOB-01 to NEOB-10

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5µ - < 5µ	# STRUCTURES ≥ 5µ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
NEOB-01	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-02	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-03	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-04	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-05	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
NEOB-06	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
Analyst

Approved Signatory

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

EMSL Analytical, Inc.

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

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

Saturday, April 22, 2000

Ref Number: MD001732

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

Project: Samples NEOB-01 to NEOB-10

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

Brett Macey
Analyst

Approved
Signatory

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

EMSL

ANALYTICAL CHAIN OF CUSTODY ASBESTOS

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

EMSL-Bill to: Same
Street:
Box #:
City/State: Zip:
Fax Results to: Prasad
Fax #: (410) 997-8713
Purchase Order #

MATRIX

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

TURNAROUND TIME

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

**Must call Lab for approval

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

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

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

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

SEM
- [ ] Qualitative
- [ ] Quantitative

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

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

TEM WIPE
- [ ] Quantitative
- [ ] Qualitative

XRD
- [ ] Asbestos
- [ ] Silica

- [ ] OTHER
- [ ] COMMENTS

Client Sample # (s) NEOB-01 - NEOB-10 Total Samples: 10
Relinquished: [signature] Date: 4/21/00 Time: 345pm
Received: [signature] Date: 4/21/00 Time: 1545
Received: Date: Time:

SAMPLE DATE	SAMPLE NUMBER	LOCATION	VOLUME (If Applicable)
4/21/00	NEOB-01	Rm# SB-214	1200 L
	NEOB-02	Rm adj to SB-235	
	NEOB-03	Rm# SB-223	
	NEOB-04	Rm# 3001	
	NEOB-05	Rm# 3026 / Fay Pt corner	
	NEOB-06	Rm# 3026 / middle of Rm. Area	
	NEOB-07	~~Computer Room per [illegible] by Rm# 3256~~ → Rm# 3202	
	NEOB-08	Rm# 4013 (Conference Rm)	
	NEOB-09	Rm# 4002 (middle of area)	
4/21/00	NEOB-10	Rm# 4224 (Computer Rm)	1200 L

EMSL Analytical, Inc.

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

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

Wednesday, April 26, 2000

Ref Number: MD001770

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

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5µ - < 5µ	# STRUCTURES ≥ 5µ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
042500-01	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-02	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-03	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-04	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-05	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042500-06	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
Analyst

Approved Signatory

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

04/26/2000 11:19 3019375701 EMSL BELTSVILLE PAGE 01

EMSL Analytical, Inc.

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

EMSL

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

Wednesday, April 26, 2000

Ref Number: MD001770

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

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

Brett Macey
Analyst

Approved Signatory

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

04/26/2000 11:19 3019375701 EMSL BELTSVILLE PAGE 02

MD001770

ANALYTICAL CHAIN OF CUSTODY ASBESTOS

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

MATRIX

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

TURNAROUND TIME

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

**Must call Lab for approval

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

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

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

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

SEM
- [ ] Qualitative
- [ ] Quantitative

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

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

TEM WIPE
- [ ] Quantitative
- [ ] Qualitative

XRD
- [ ] Asbestos
- [ ] Silica

- [ ] OTHER
- [ ] COMMENTS

Results by 2:00PM 4/26

Client Sample # (s) _____ Total Samples: 10

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

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

EMSL Analytical, Inc.

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

EMSL

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

Thursday, April 27, 2000

Ref Number: MD001785

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

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5μ - < 5μ	# STRUCTURES ≥ 5μ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
042600-01	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-02	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-03	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-04	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-05	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-06	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
Analyst

Approved Signatory

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

04/27/2000 11:47 3019375701 EMSL BELTSVILLE PAGE 01

EMSL Analytical, Inc.

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

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

Thursday, April 27, 2000

Ref Number: MD001785

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

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5μ - < 5μ	# STRUCTURES ≥ 5μ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
042600-07	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-08	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-09	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050
042600-10	1200.00	None Detected			0	0.0645	0.0050	<15.50	<0.0050

Brett Macey
Analyst

Approved Signatory

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

04/27/2000 11:47 3019375701 EMSL BELTSVILLE PAGE 02

M0001785

ANALYTICAL CHAIN OF CUSTODY ASBESTOS

EMSL Representative:			
Your Company Name:	Tidewater Inc	EMSL-Bill to:	Same
Street:	8950 Rte 108 E	Street:	
Box #:	Suite 100	Box #:	
City/State:	Columbia MD Zip: 21045	City/State:	Zip:
Verbal Results to:	Prasad	Fax Results to:	Prasad
Telephone #:	(410) 997-9458	Fax #:	(410) 997-8213
Project Name/Number:		Purchase Order #	

MATRIX

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

TURNAROUND TIME

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

**Must call Lab for approval

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

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

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

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

SEM
- [ ] Qualitative
- [ ] Quantitative

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

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

TEM WIPE
- [ ] Quantitative
- [ ] Qualitative

XRD
- [ ] Asbestos
- [ ] Silica

- [ ] OTHER
- [ ] COMMENTS

Client Sample # (s)

Total Samples: 10

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

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

EMSL Analytical, Inc.

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

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

Friday, April 28, 2000

Ref Number: MD001798

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

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5μ - < 5μ	# STRUCTURES ≥ 5μ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
042700-01	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047
042700-02	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047
042700-03	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047
042700-04	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047
042700-05	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047
042700-06	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047

Brett Macey
Analyst

Approved Signatory

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

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

04/28/2000 13:03 3019375701 EMSL BELTSVILLE PAGE 01

EMSL Analytical, Inc.

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

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

Friday, April 28, 2000

Ref Number: MD001798

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

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5μ - < 5μ	# STRUCTURES ≥ 5μ	# STRUCTURES Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
042700-07	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047
042700-08	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047

Brett Macey
Analyst

Approved Signatory

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

Accredited for NVLAP PLM/TEM #200283, WV Lic #LT000053

04/28/2000 13:03 3019375701 EMSL BELTSVILLE PAGE 02

MD001798

EMSL ANALYTICAL CHAIN OF CUSTODY ASBESTOS

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

MATRIX

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

TURNAROUND TIME

- [x] 6 Hours
- [ ] 3 Days before 2p
- [ ] 3 Hour**
- [ ] 5 Days
- **Must call Lab for approval
- [ ] 24 Hours
- [ ] 6-10 Days
- [ ] 48 Hours
- [ ] Same Day***
- *** 10:00AM delivery results by Mid-night or earlier

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

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

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

SEM
- [ ] Qualitative
- [ ] Quantitative

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

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

TEM WIPE
- [ ] Quantitative
- [ ] Qualitative

XRD
- [ ] Asbestos
- [ ] Silica

- [ ] OTHER
- [ ] COMMENTS

Client Sample # (s)
Total Samples: 9

Relinquished:	[signature]	Date: 4/27/00	Time: 5:30 pm
Received:	J. Harris	Date: 4/28/00	Time: 8:30
Received:		Date:	Time:

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

General Service Administration
National Capital Region
Washington, DC 20407

JULY 7, 2000

MEMORANDUM TO: KERRY BONOS
WHITE HOUSE SDT (WPW)

FROM: TIM SLEETH, INDUSTRIAL HYGIENIST
SAFETY, ENVIRONMENTAL AND FIRE PROTECTION BRANCH
(WPYG)

SUBJECT: NEW EXECUTIVE OFFICE BUILDING
MECHANICAL ROOMS 3004 & 4004
725 17TH ST., NW
WASHINGTON, DC

PROJECT: ASBESTOS ABATEMENT MONITORING

From March 24th through March 26th, 2000, SaLUT, Inc. monitored the abatement of known asbestos-containing materials (ACMs) from the New Executive Office Building, located at 725 17th St., NW, Washington, DC. During abatement operations asbestos containing sprayed-on fireproofing was removed from Mechanical Rooms 3004 & 4004.

Asbestos abatement activities were conducted within a negative pressure enclosure with an attached three-stage decontamination chamber. Additionally, wet methods and HEPA (High Efficiency Particulate Air) vacuums were utilized during abatement operations to control fiber release. During asbestos abatement operation workers utilized protective clothing and half-face HEPA respirators.

Air monitoring samples were collected and analyzed on site by Phase Contrast Microscopy (PCM), NIOSH 7400 Method. All air samples collected from outside the containment were below the Reoccupancy Standard of 0.01 fibers/cc.

Please note that suspect and known ACMs may still exist within these areas of the New Executive Office Building, such ACMs may be found within walls, behind mechanical equipment within the mechanical rooms and interstitial ceiling space, or other areas that were not accessible at the time of the renovations.

Should you have any questions please contact me at (202) 708-5257.

DC0105
#1394
7-6-00/JGH/WPYG
CC: KERRY BONOS

SaLUT

Soil and Land Use Technology, Inc.

11609 Edmonston Road, Beltsville, Maryland 20705

Telephone: (301) 595-3783
Fax: (301) 595-3787

June 6, 2000

GSA, NCR, WPX
Safety & Environmental Management Division
7th & D Streets, SW, Room 2080
Washington, D.C. 20407
ATTENTION: Ms. Normajean Eleazer

Re: New Executive Office Building
Contract #: GS-11P-94-MJD-0024
Order #: P1100DC0160
Act#: P90027873
SaLUT Job #: 00-074

Dear Ms. Eleazer:

Pursuant to your request, Soil and Land Use Technology, Inc. (SaLUT) monitored asbestos abatement activities at the New Executive Office Building, 725 17th Street, NW, Washington, DC. SaLUT's industrial hygienists, Ms. Ishani Mellawa and Mr. Tijan N'Jie, performed all air monitoring and inspections from March 24 through 26, 2000. The abatement contractor on site was Environment and Demolition Services, Inc. (EDS).

During this time period, the scope of SaLUT's work included technical monitoring during abatement of sprayed on fireproofing material from the decking in the Mechanical Room, 3004 and 4004. Dry removal was approved for the electrical closets. All abatement was performed within a full negative pressure enclosure constructed of 6-mil polyethylene sheeting with a three-stage decontamination chamber attached. During all asbestos abatement, workers wore protective clothing and powered air-purifying respirators (PAPRs). HEPA vacuums were utilized during abatement to control fiber release.

All air samples collected before, during and after abatement were analyzed on site by Phase Contrast Microscopy, NIOSH Method 7400. All final clearance samples yielded results of <0.01 fibers per cubic centimeter, the level for occupancy as stated in the EPA guidance publications.

Enclosed are the daily logs, checklists, sample data sheets and laboratory analysis.

SaLUT appreciates the opportunity to provide these services. If you have any questions or require any additional information, please contact our office.

Best regards,
SOIL AND LAND USE TECHNOLOGY, INC.

Joyce Walker

Joyce Walker
Operations Manager

Daily Logs and Checklists

SaLUT

11609 Edmonston Road • Beltsville, MD 20705 • (301) 595-3783

IH ABATEMENT DAILY REPORT

Client: G.S.A. Job No: 00-074 Date 3/24/00 Employee: Tijan S. Nife

Project: NEOB On-Site From: 5:30p To: 11:00p

Work in Progress / Summary of Activities:

5:30p On site, signed in, met with G.S.A. escort, went up to 3rd floor + 4th floor workareas, proceeded to set up pumps, to acquire air samples, prior to crew getting in (backgrounds)

6:30p Met abatement contractors supervisor Renee, went over scope of work, informed him that proper pre-cleaning has to be done in both areas, before any poly is hung.

8:00p Inspected both workareas, pre-cleaning well done, crew proceeds to put up critical barriers.

9:00p Stoke to Renee, that on close inspection, fibers could be seen floating in air, so workers to continue prep in p.p.s. and put up critical barrier on Med m. door A.S.A.P at both workareas.

10:00p Reminded super to stop work in time to effect end of shift clean-up properly as as to be able to leave site at 11:00pm. Walked both workareas Rms 3004 + 4004.

11:00p It will be atleast a couple of hours into next shift, before containment is entirely ready for pre abatement inspection, end of shift, left site.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Dry removal of asbestos containing fire proofing off substrate

Containment: Full enclosure

Decon: 3 stages

PPE: Paper / 1/2 face hepa

Removal Methods: Dry scrape / scrubbing / wiping + vacuuming

Abatement Contractor: EDS

Reviewed By:_____

SaLUT

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IH ABATEMENT DAILY REPORT

Client: GSA Job No: ~~00-025~~ 00-074 Date 03/05/00 Employee: Ishani Mellawa.

Project: NEOB On-Site From: 6:30AM To: 6:30pm.

Work in Progress / Summary of Activities:

6:30AM On-site, Met up with Bill, (Supervisor) from Southern insulation. & Also met up w/ Tijan

7:00AM looked at 4th floor pipe insulation. helped set-up environmental, personal, BG and PA samplers for the pipe work.

8.00AM Met-up with the supervisor from EDS. looked at Both containments on 3rd and 4th floor. These are for the fire proofing. the containment is still being built. will be a 3 Stage decon w/ full enclosure. PAPR's will be worn and dry methods will be used due to the electrical work w

9:00AM EDS crew started preparing both Containments on 3rd and 4th floor.

9:30AM ~~work~~ EDS crew still building containment.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Fire proofing, Ceiling,

Containment: Full - enclosure.

Decon: 3 stage.

PPE: PAPR.

Removal Methods: Dry spray, Micro trap,

Abatement Contractor: Southern Insulation / EDS

Reviewed By:

SaLUT

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DAILY REPORT, Contd.

Project: NEOB Job No. 00-074 Date: 03/28/00 Page 2 of 3

Work in Progress / Summary of Activities:

10:30 / Still building containment

11:00 Finished preparing the containment, did ~~final check~~ Pre-abatement check. All pipes and had been well sealed. Spoke to René (Supervisor) about ducts and told him to make sure that the ducts were sealed well. They sealed it from the 5th & 4th floor so that no debris would be carried out. Also adviced him to make sure ducts were ~~well~~ cleaned well.

Started work Area samples on both floors.

11:30 AM Started setting up EV samples see sample data sheet for location.

12:15 - 12:45 Lunch.

1:15 Work restared. - abatement in progress.

2:00 pm Abatement check was done. Most of the fire proofing was removed. Monometer readings were very low. Made sure that the filters were changed so that the pressure differential was normal.

2:15 pm Monometer reading @ -0.022. While doing abatement check changed cassettes for WA samples

2:30 pm Abatement check on 4th floor everything OK changed samples WA. Also started rotating EV samples.

3:00 pm. Started reading samples. All the WA samples were overloaded. This is due to most of the debris from the ceiling falling down and getting airborne. This worst case scenario was expected due to the amount of dust inside the containment and

Employee:

SaLUT

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IH ABATEMENT DAILY REPORT

Client: GSA Job No: 00-074 Date 02/25/00 Employee: Pg 3/3 Bharani Mellawa

Project: NEOB On-Site From: To:

Work in Progress / Summary of Activities:

~~Also~~ Since, they could not use any amended water due to the electrical work inside the room.

4:00pm. checked ~~press~~ mononeters, everything OK. All the EV samples were, less than 0.01.

5:00pm: Final Visual for the 4th floor, Everything was clean. Tijan adviced them to vacuum a bit more, while we were there. Everything OK. adviced to encapsulate. Stopped all WA & EV Samples on 4th floor

5:30pm. Final visual for 3rd floor. This rm was not cleaned well, still had a few debris on the ceiling Adviced to remove them.

~~6:00pm~~. ~~Final check for the 3rd again. Everything OK.~~

6:00pm. Started reading WA samples for 4th floor Final visual 3rd floor passed. Stopped Samples (EV & WA). ~~Re~~ 4th floor WA overloaded, Same reason as above. EV samples OK. Read WA & EV samples for 3rd, ~~Sample~~ same senario as ~~to~~ 4th floor, a bit more overloaded than 4th.

6:30pm. decided to come for final clearance on Sunday due to lack of time.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): 6:45pm: Off-Site.

Containment:

Decon:

PPE:

Removal Methods:

Abatement Contractor:

Reviewed By:

EXHIBIT A
ASBESTOS PRE-ABATEMENT CHECKLIST

Building: NEOB Project: NEOB 00-074

Location: 3rd & 4th floor electrical Rms Date: 03/25/00

Removal Contractor: EDS Time Inspected: 11 AM

Monitoring Contractor: SaLuT Time Removal Began: 11:15AM

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. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	NA	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp — HEPA — PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	✓	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	

FIELD NOTES: Describe any problems encountered

EXHIBIT B
ASBESTOS ABATEMENT CHECKLIST

Building: NEOB

Project: NEOB

Location: 3rd & 4th electrical rmd

Date: 03/25/00

Removal Contractor: EDS

Time Inspected: ~~11:00 AM~~ 2:00 pm 3rd floor 2:30pm - 4th floor

Monitoring Contractor: Salut

Time Removal Began: 11:15 AM

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. Glove Bag Project	NA	
	e. Negative Air Machine" in use?	✓	
	f. Negative pressure greater than 0.02"	✓	
2. Signage	a. Caution signs at vestibule entry	✓	
	b. OSHA ASBESTOS SIGN	✓	
	c. Dumpster, drums and bags labeled	✓	
	d. HEPA Vacuum in use	✓	
	e. Material Kept wet until bagged	NA	
3. Worker Protection	a. Disposable Clothing used one time	✓	
	b. Proper NIOSH Respirators	Disp ___ HEPA ___ PAPR ✓	
	c. Proper Decontamination sequence followed	✓	
4. Showers	a. Functioning?	✓	
	b. Soap & Towels?	–	
	c. Used each Departure?	✓	
5. Work Habits In Work Area	a. No Smoking	✓	
	b. No eating/drinking	✓	
6. Work Practices	a. Hammers, Saws, etc NOT in use	✓	
	b. Removed Material Promptly Bagged	✓	
	c. Debris Stored Properly	✓	

FIELD NOTES: Describe any problems encountered Since these were electrical runs could not use any amended water in ~~side~~ containment. So, had to scrape of fire proofing.

SaLUT

11609 Edmonston Road • Beltsville, MD 20705 • (301) 595-3783

IH ABATEMENT DAILY REPORT

Client: C.S.A Job No: 00-074 Date 3/21/00 Employee: Tilan S. N'fie

Project: N.E.D.B On-Site From: 9.00a To: 1.00p

Work in Progress / Summary of Activities:

9.00a On site, signed in, with escort proceeded up to 3rd + 4th floor enclosures to set up pumps for final air clearance.

11.20a Stopped both pumps, retrieved + analyzed cassettes, recorded data, Renee, EDS's super was informed of results and that containments had passed, and to be torn down.

12.00p Inspected 3004 after tear down + clean-up, would have to recommend that expanding foam be used to seal off around openings through which conduits go through slab. These areas have disturbed ACM in crevices which could not be accessed for proper clean-up.

12.40p Similar problem in Rm 4004, Renee made aware, and Kerri Bonos to be consulted before foam is applied

1.00p All clean-up completed, areas immediately outside mech rooms, mopped. Left site.

Asbestos Abatement Project Information

Materials Abated (Types, Quantities, Locations): Asbestos containing fire proofing insulation

Containment: Full enclosure

Decon: 3 stages

PPE: Papr 1½ face hepa

Removal Methods: Dry removal; scrapping, scrubbing, wiping + vacuuming

Abatement Contractor: E.N.S.

Reviewed By:_____

EXHIBIT C
FINAL INSPECTION OF ASBESTOS ABATEMENT CHECKLIST

Building: NEOB Project: NEOB

Location: Rms 3004 + 4004 Date: 3/26/00

Removal Contractor: EDS Time Inspected: _____

Monitoring Contractor: Salut Time Completed: _____

Inspection Category	Activity to be checked	Within Limits	Problem Encountered
1. Residual Dust on:	a. Floor	✓	
	b. Horizontal Surfaces	✓	
	c. Pipes	✓	
	d. Ventilation Equipment	✓	
	e. Horizontal Surfaces	✓	
	f. Pipes	✓	
	g. Ductwork	✓	
	h. Registers	✓	
	i. Lights	✓	

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.

Location:				
Volume(liters)				
Flow Rate (liters/min)	See attached p.c.m sheet.			
Fibers/Filter				
Fibers/cc				

Analyst Analyzing Samples: _____ Date: _____

Field Notes: Describe any problems encountered during final inspection _____

Air Sample Data Sheets

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: N.E.O.B.

Client: G.S.A

Job No.:

Date: 3/24/00 Time on-site: 5:30p to 11:00p

Name: Tyan S. 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
3/24/00 TSIC BG 1	BG	5.52p	10	8:00p	10	128	1280	8/100	<0.01	inside Rm 3004 mech. room
2	BG	5:57p	10	8:02p	10	125	1250	3/100	<0.01	In hallway outside Rm 3004
3	BG	6:24p	10	8:25p	10	125	1250	11/100	<0.01	inside room 4004
4	BG	6:24p	10	8:32p	10	126	1260	1½/100	<0.01	In hallway outside Room 3004

QA Reference Slide No.:			Fiber Count (F/mm²)		Tolerance 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

pg 1/2

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
Job No.: 00-074
Name: Ishani Mehawa

Type of Sample: PCM TEM LEAD
Client: GSA
Date: 03/25/00 Time on-site: 6:15AM to 6:45PM.
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*
00- -3-25-#1	WA	2.8	11:00	2.8	2:10	190	532	overloaded		3rd floor inside containment next to entrance.
#2	WA	3.4	11:05	3.4	2:15	190	646	overloaded.		4th floor inside containment next to containment
#3	EV	5	11:20 AM	5	2:25	185	925	3/100	< 0.01	Next to decon, 3rd floor outside containment
#4	EV	5	11:21	5	2:20	179	895	1.5/100	< 0.01	-"- 4th floor
#5	EV	3	11:30	3	2:23	173	519.	1/100	< 0.01	Stairwell 4, 4th floor
#6	EV	5	11:35	5	2:22	167	835	0.5/100	< 0.01	Next to Mens Rm 3:05 in corridor 3rd floor
#7	EV	3.5	11:55	3.5	2:21	146	511	4/100	< 0.01	Stairwell 4, 3th floor
~~#8~~	~~WA~~	~~2.6~~	~~1:40 pm~~	~~2.6~~	~~5:05~~	~~*~~				~~Floor 3 inside containment~~ opp: entrance.
#9	WA	3.8	2:10	5.35	3.8			overloaded.		Floo3 -"- next to entrance.
EV-4-00-025-)) #10	EV	3	8:50	3	11:00.	130	390.	1.5/100	< 0.01	Next to elevator on 4th floor.

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

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
Job No.: 00-074
Name: Ishani Mellawa

Type of Sample: PCM TEM LEAD
Client: GSA
Date: 03/25/00 Time on-site: 6:30Pm 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
00- -3-25-#11	WA	2.8	2.00	2.8	5:35	215	602	overloaded.		3rd floor next to entrance
#12	~~3-4~~ WA	3.4	2:05	3.4	5:05	180	612.	overloaded.		4th floor opp: entrance
#13	EV	.5	2.20	5	5:05	165	825	2.5/100	<0.01	4th floor outside decon
#14	EV	3.5	2.22	3.5	5:06	164	574	1/100	<0.01	4th floor stairway
#15	EV	5	2.23	5	5:08	165	825	0.5/100	<0.01	next to mens rm 3105, 3rd fl.
#16	EV	5	2:35	5	5:50	225	1125	5/100	<0.01	outside decon 3rd floor
~~#17~~	EV	3	2.27	3	5:51	204	612	2/100	<0.01	3rd floor stairway
~~#18~~										

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

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: N.E.O.B

Client: G.S.A

Job No.:

Date: 3/26/00 Time on-site: 9:00a 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
	FC	9:20a	W	11:20a	W	120	1200	4/100	<.01	Rm 3004 Electrical Closet
	FC	9:25a	W	11:20a	W	120	1200	6/100	<.01	" 4004 " "

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

Safety, Environment and Fire Protection Branch - WPYG
7th & D Streets, SW
Washington, DC 20407
Phone: 202-708-5257
Fax: 202-708-6618

GSA – NCR/PBS

Fax

To:	Donald Plummer - WPW	**From:**	Timothy Sleeth
Phone:	202-395-3675	**Date:**	May 15, 2000
Fax:	202-395-4546	**Pages:**	21
Re:	NEOB – TEM Background Air Monitoring Results.	**CC:**	N/A

☐ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

Comments:

Don,

Please see attached reports as requested. All air sample results were less than 70 structures per square millimeter of filter area (<70 s/mm^2) which is the EPA clearance level for asbestos response actions.

Should you have questions concerning this matter, please call me at (202) 708-5257.

Thank you,

Timothy Sleeth, Industrial Hygienist

Attachment(s)

TIDEWATER, Inc.

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

FAX COVER SHEET

DATE: 5/1/00

No. of Pages (Including Cover Sheet) 4

TO (FIRM'S NAME): GSA-NCR

FAX NUMBER: 202-708-6618

ATTENTION: Tim Sketh

FROM: Richard Yim

PROJECT NAME: NEOB TEMs

PROJECT NO.:

MESSAGE:

OPERATOR:

Hard copy to follow by Mail: YES _____ NO _____

EMSL Analytical, Inc.

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

EMSL

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

Friday, April 28, 2000

Ref Number: MD001798

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

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5μ - < 5μ	≥ 5μ	Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	(S/cc)
042700-01	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047
042700-02	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047
042700-03	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047
042700-04	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047
042700-05	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047
042700-06	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047

Brett Macey
Analyst

Approved Signatory

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

Accredited for NVLAP RLM/TEM #200283, WV Lic # LT000053

EMSL Analytical, Inc.

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

EMSL

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

Friday, April 28, 2000

Ref Number: MD001798

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

Sample ID	Volume (liters)	Asbestos Type(s)	# STRUCTURES ≥ 0.5μ - < 5μ	≥ 5μ	Non-Asbestos	Area Analyzed (mm²)	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	(S/cc)
042700-07	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047
042700-08	1260.00	None Detected			0	0.0645	0.0047	<15.50	<0.0047

Brett Macey
Analyst

Approved Signatory

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

...edited for NVLAP PLM/TEM #200283 WV Lic #LT000053