SECTION 02085 - ASBESTOS ABATEMENT PROCEDURES

PART 1 - GENERAL

1.01 DESCRIPTION OF WORK:

A. General: This section includes all work necessary to reduce air concentrations of asbestos to the specified level and maintain the specified asbestos control limits during the life of the contract. It also includes removal, containment, and disposal of asbestos containing materials.

1. Work Area: The work areas include the following:
List areas or refer to specific Drawings that depict the asbestos scope of work

2. The following asbestos containing materials are to be removed:
List materials or refer to specific Drawings that depict the asbestos scope of work

3. The following asbestos containing materials are to be encapsulated:
Omit as appropriate, list materials or refer to specific Drawings that depict the asbestos scope of work

B. Related Work Specified in Other Sections: Section 01546, "Safety and Health," applies to all work covered by this section.

1.02 QUALITY ASSURANCE:

A. Contractor Qualifications: The Contractor shall be a firm of established reputation (or if newly organized, whose personnel have previously established a reputation in the same field), which is regularly engaged in, and which maintains a regular force of workmen skilled in asbestos abatement, and shall have performed this work on previous projects.

1. Contractors performing asbestos abatement work for GSA in the District of Columbia are required to be licensed to do asbestos work in the District of Columbia. The contractor shall comply with the licensing regulations of:

District Department of the Environment
Air Quality Division
51 N Street, NE
Washington, DC 20002

2. Contractors performing work for GSA in the State of Maryland are required to be licensed to do asbestos work in Maryland. The contractor shall comply with the licensing regulations of:

Maryland Department of the Environment
Division of Asbestos Licensing and Enforcement
1800 Washington Boulevard, STE 725
Baltimore, MD 21230

3. Contractors performing work for GSA in the Commonwealth of Virginia must be licensed to perform asbestos work in Virginia. Licensing requirements may be obtained from:

Virginia Department of Professional and Occupational Regulation
Board for Contractors
3600 West Broad Street
Richmond, Virginia 23230

4. Contractor employees assigned to active asbestos work areas in the District of Columbia must be licensed in the District of Columbia as trained asbestos worker. Workers performing work for GSA in the State of Maryland must be licensed in Maryland and workers performing work in Virginia must be licensed in Virginia.

5. Pursuant to NESHAP requirements the contractor should provide appropriate written notification at least 10 days prior to the start of asbestos abatement work to:

Asbestos Program Coordinator, Code 3LC62
U. S. Environmental Protection Agency Region III
1650 Arch Street
Philadelphia, PA 19103

and to the appropriate local jurisdiction:

a. District Department of the Environment
Air Quality Division
51 N Street, NE
Washington, DC 20002

Phone: (202) 535-2250

b. Asbestos Program
Virginia Department of Labor and Industry
Powers-Taylor Building
13 South Thirteenth Street
Richmond, VA 23219

FAX NUMBER (804) 371-7634

c. Maryland Department of the Environment
Division of Asbestos Licensing and Enforcement
1800 Washington Blvd., STE 725
Baltimore, MD 21224

FAX NUMBER (410) 537-3924

B. Laboratory Qualifications: Laboratory shall be regularly engaged in asbestos testing, and personnel used for monitoring airborne concentrations of asbestos fibers shall be proficient in this field. See "Submittals" paragraph for the specific information, which must be submitted for approval of the laboratory.

C. Asbestos Control Limits: The enclosed work areas shall be defined as a regulated area in accordance with 29 CFR 1910.1001 and 29 CFR 1926.1101.

1. Inside Asbestos Work Area: For personnel wearing negative-pressure respirators, air concentrations of asbestos shall not exceed an 8-hour time weighted average of 0.1 fibers (longer than 5 microns), per cubic centimeter of air. Regardless of respiratory protection worn, air concentrations inside the work area will not exceed an 8-hour time weighted average of 0.1 fibers per cubic centimeter. It is the responsibility of the contractor to provide an independent industrial hygiene consultant to provide the required personal air monitoring and to assure that all safety and health procedures are followed.

2. Outside Asbestos Work Area: Air concentrations of asbestos shall be maintained at the lowest attainable level and shall not exceed an 8-hour time weighted average of 0.01 fibers (longer than 5 microns) per cubic centimeter of air. This applies to all areas in the building while work is in progress except for the asbestos work area, and to the entire building, including the former work area, after final cleanup. To assure compliance with these standards, the government will provide the required air monitoring outside the contractor's work area and the government's industrial hygienist will have unrestricted access to the contractor's worksite. The asbestos abatement contractor may perform any air sampling he wishes to assure compliance and for comparison with this standard.

1.03 REFERENCES:

A. American National Standards Institute (ANSI) Publication:

Z9.2-79 Fundamentals Governing the Design and Operation of Local Exhaust Systems

B. American Society for Testing and Materials (ASTM) Publication:

E 849-82 Safety and Health Requirements relating to Occupational Exposure to Asbestos

C. Code of Federal Regulations (CFR):

29 CFR 1910.1001, Occupational Safety and Health Act (OSHA), INCLUDING Appendix A through I.

29 CFR 1910.20, Subpart C, General Safety and Health Provisions.

29 CFR 1910.134, OSHA General Industry Respirator Requirements.

29 CFR 1926.1101. Occupational Exposure to Asbestos, Construction Industry Standard, INCLUDING Appendix A through K.

40 CFR Part 61, Subpart M: U.S. Environmental Protection Agency, National Emission Standards for Hazardous Air Pollutants (NESHAP) Asbestos.

D. State and Local Regulations:

1. Applicable state and local regulations shall apply.

1.04 SUBMITTALS:

A. Initial Submittals of Asbestos Abatement Contractor or Subcontractor Qualification Information: Items 1.04.A.1. th000rough 1.04.A.5 below are to be submitted after the bid receipt, but are required to be approved by the contracting officer prior to award.

1. Five Projects: Name and location of at least 5 asbestos abatement projects performed by the Contractor, including name and telephone number of contract representative.

2. Five Air Tests: Copy of daily log and air monitoring reports including final decontamination levels of last five abatement projects.

3. Experience and Qualifications of Supervision: Name of and experience record of superintendent and foreman. Include evidence of knowledge of applicable regulations; evidence of participation and successful completion of EPA approved training course in asbestos removal and/or supervision of asbestos related work; and experience with asbestos related work in a supervisory position as evidenced through supervision of at least two asbestos abatement contracts.

4. Experience and Qualifications of Workers: Name and experience record, if any, of workmen who will be assigned to this project. Include for each person evidence of successful completion of State of Maryland or Commonwealth of Virginia training given

by qualified personnel. Provide certification that employees meet the medical surveillance requirements of the state for which they are licensed.

5. License Information: Provide a copy of a current District of Columbia Asbestos Contractor's License for projects in the District of Columbia, a current Maryland License for Asbestos Removal or Encapsulation for projects in Maryland, or a copy of the Virginia Asbestos Contractor's License for projects in the Commonwealth of Virginia

B. Post-Award Asbestos Abatement Submittals: Items 1.04.B.1. through 1.04.B.8 below are to be submitted after the award, but are required to be approved by the contracting officer or his designated representative prior to starting work.

1. Plan of Action: Submit a detailed plan of the procedures proposed for use in complying with the requirement and regulations included in this specification. The plan shall include the location and layout of decontamination areas, the sequencing of asbestos work, the interface of trades involved in the performance of work, methods to be used to assure the safety of building occupants and visitors to the site. Expand upon the use of portable HEPA ventilation system, closing out of the building's HVAC system during removal, method of removal to prohibit emissions in work area, and packaging of removed asbestos debris.

2. Disposal Plan: A disposal plan including location of approved disposal site and the contractors' method for documenting proper asbestos disposal to the contracting officer or his designated representative.

3. Environmental Protection Agency (EPA) Notification: Provide a copy of the NESHAPS Notification of Demolition Renovation Form sent to the Regional EPA Asbestos Regulation Office. (Paragraph 1.02)

4. Local Government Notification: Provide a copy of the notification sent to the appropriate State or Local Governmental Asbestos Regulation Office. (Paragraph 1.02)

5. GSA Asbestos Control Permit: Submit a GSA National Capital Region Asbestos Control Permit with lines one through nine filled out. Start and Finish dates may be left blank until project schedule is determined.
(A copy is attached to Page 02085-11)

6. Certificates of Compliance: Submit certification that vacuums, ventilation equipment, and other equipment required to contain airborne asbestos fibers conform to ANSI Z9.2.

7. Information on Encapsulating Material: Submit written evidence that material meets the latest requirements of the Environmental Protection Agency (EPA) and possesses the specified characteristics.

8. Laboratory Qualification Information: Submit proof of qualifications of testing laboratory and personnel. Accreditation by the American Industrial Hygiene Association (AIHA) for asbestos analysis and two most recent consecutive quarterly reports showing that the laboratory analyzing the samples has been judged proficient by successful participation in the National Institute for Occupational Safety and Health (NIOSH) Proficiency Analytical Testing (PAT) Program, shall be considered sufficient proof of compliance. In addition to microscopists employed by AIHA accredited laboratories, microscopists who provide similar evidence of successful participation in the AIHA Asbestos Analyst's Registry may analyze the fibers-in-air on site, however, any samples which are sent to a laboratory for analysis must be analyzed by an AIHA accredited laboratory. This submittal must be approved by the Contracting Officer prior to beginning any testing.

C. During-Work Asbestos Abatement Submittals: Items 1.04.C.1. through 1.04.C.2. below are to be submitted to the contracting officer or his designated representative as work progresses at the time specified.

1. Air Monitoring and Work Area Information:

a. Air Monitoring Results: Results of all air monitoring conducted by the contractor shall be posted within 72 hours of collection and within 24 hours of analysis for all workers to see. A copy of the results shall be given to the contracting officer.

b. Differential Air Pressure Readings: Starting when a negative pressure containment is erected and approved by the contracting officer, a copy of the strip chart record of the work area relative pressure shall be submitted within 24 hours after the recording was made.

c. Work Area Inspections: The contracting officer's representative will perform visual inspections of the work area for the pre-removal, pre-final, and reoccupancy stages of the work. The contractor shall notify the contracting officer at least 14 hours in advance of each required inspection.

2. Transporting and Disposing of Asbestos Containing Materials (ACM):

a. Disposal Receipts: Receipts from the transporter, which acknowledge the contractor's shipment of ACM from the site (NESHAPS Waste Shipment Records) shall be submitted three days following removal of ACM from the premises. Each receipt shall provide date, quantity of material removed, and signature of an authorized representative of the transporter. A signed and dated copy to the Waste Shipment Record showing receipt at an authorized landfill must be received by GSA's designated representative within 30 calendar days of the date of the shipping receipt.

b. Transportation Vehicles: Transportation shall be in vehicles dedicated to asbestos transportation. Vehicles shall be marked in accordance with DOT and NESHAPS regulations.

c. Shipping Manifest Forms: Signed and completed Shipping Manifest Forms (NESHAPS Waste Shipment Records) shall be used for the transportation of ACM. This form shall be signed by each party who has control over the asbestos waste, and a copy retained by each party as responsibility for the waste is transferred to the next party. An example Shipping Manifest Form is attached directly behind the GSA Asbestos Control Permit on Page 02085-12.

D. Final Submittals: Items 1.04.D.1. and 1.04.D.2. below are to be submitted to the contracting officer's designated representative at the completion of work for each containment.

1. Daily Log: Copies of a daily log showing the date(s) and time(s) of entrance to and exit from the work area(s) for all persons.

2. Reestablish Systems: Submit written certification:

a. Describing the type, application, and quantity of asbestos containing materials removed by the contractor.

b. That final inspection items were completed.

c. That mechanical and electrical systems disturbed by the contractor during work under the contract have been reinstalled and are in working order.

1.05 CONTRACTOR RESPONSIBILITY: The Contractor shall assume full responsibility and liability for compliance with all applicable Federal, State, and local regulations pertaining to the protection of workers, visitors to the site, and persons occupying areas adjacent to the site. The Contractor is responsible for providing medical examinations and maintaining medical records of personnel as required by the applicable Federal, State, and local regulations, and shall hold the government harmless for failure to comply with any applicable safety or health regulation on the part of himself, his employees, or his subcontractors.

1.06 PROJECT/SITE CONDITIONS:

A. Means of Egress: Establish and maintain emergency and fire exits from the work area.

B. Use of Existing Facilities: Use of existing toilets, showers, and/or other similar facilities as decontamination areas is prohibited.

C. Maintenance of Existing Equipment: See contract drawings for requirements.

D. Environmental Conditions to be Maintained: Normal environmental conditions (heat, light, air conditioning) must be maintained outside of the work area.

E. Decontamination Facility: Throughout the time that asbestos removal is taking place, the abatement contractor will maintain a working **three**-stage decontamination facility at the point of access to the containment. As a minimum, the decontamination facility will consist of a clean changing area, an air space, a shower, another air space, and a contaminated changing area. The size and location of this facility shall be approved by the contracting officer.

F. Access to Work Area: Access to work areas shall be through decontamination areas. The following shall have access to work area:

1) GSA Contracting Officer or Designated Representative
2) GSA Safety & Environment Personnel
3) GSA Contract Monitoring Personnel
4) GSA Authorized Inspection Personnel
5) OSHA Inspectors
6) EPA Inspectors
7) Local Building or Health Officials

1.07 SEQUENCING/SCHEDULING: Asbestos abatement work will be performed after normal working hours. Any exceptions will be noted on the contract drawings.

PART 2 - PRODUCTS

2.01 EQUIPMENT: Equipment, including protective clothing and respirators, used in the execution of this contract and provided to visitors to the site, shall comply with ASTM E 849 and with the applicable Federal, State, and local regulations. Respirators shall conform to the OSHA requirements in 29 CFR 1910.134 and 29 CFR 1926.1101, except that single use and disposable respirators shall not be used. Type of respirators required shall be as specified in 29 CFR 1926.1101. If any air sampling indicates levels above 0.1 fibers per cubic centimeter or "too dirty to count," powered air or supplied air (type "C") respirators will be required during actual removal operations.

2.02 ENCAPSULATING MATERIALS:

A. Encapsulating materials (sealants) shall meet the latest requirements of the Environmental Protection Agency (EPA) and shall possess the following characteristics:

1. Adherence. The sealant eliminates fiber dispersal by adhering to the fibrous substrate with sufficient penetration to prevent separation of the sealant from the sprayed asbestos material.

2. Impact Penetration. It withstands impact and penetration, protects the enclosed sprayed asbestos material, and it must not cause separation of sprayed asbestos material from its original substrate.

3. Flexibility. It possesses enough flexibility to accommodate atmospheric changes and settling of the structure over time.

4. Resistance to Smoke and Flame. It shall have high flame retardant characteristics and a low toxic fume and smoke emission rating.

5. Ease of Application. It must be easily applied with relative insensitivity to errors in preparation or application. Ease of repair by routine maintenance personnel is desirable.

6. Toxicity. The sealant must be neither noxious nor toxic to application workers and structure users thereafter.

7. Permeability. It should have some permeability to water vapor to prevent condensation accumulation be resistant to common cleaning agents.

8. Stability. It should have suitable stability to weathering and aging.

B. Guarantee. Guarantee encapsulating materials to perform for a period of 1 year, in accordance with "Guarantee" clause of the General Conditions.

PART 3 - EXECUTION

3.01 PREPARATION:

A. Isolate the work area for the duration of the work by completely sealing off all openings and fixtures in the work area, including but not limited to, heating and ventilation ducts, doorways, corridors, windows, and lighting with plastic sheeting taped securely in place.

B. Build double barriers of plastic sheeting at all entrances and exits to the work area so that the work area is always closed off by one barrier when workers enter or exit.

C. Cover all floor and wall surfaces in the work area with plastic sheeting taped securely in place to protect from damage. Assure that two layers cover all floor areas.

D. Before the work is begun, clean all removable items and equipment. Remove them from the work area and store as directed.

E. Cover all nonremovable items and equipment in the work area with plastic sheeting taped securely in place.

F. Remove all heating, ventilation, and air conditioning system filters, pack them in sealable plastic bags (6-mil minimum) for disposal in the approved waste disposal site and replace them with new filters upon completion of abatement. Openings created by the removal of HVAC filters shall be sealed using 6 mil plastic sheeting taped securely in place, prior to start of work.

G. Post warning signs on the primary containment as required by 29 CFR 1910.1001, 29 CFR 1926.1101, ASTM E 849, and as directed by the Contracting Officer.

H. Obtain Written Approval of the Finished Primary Containment from the GSA Contracting Officer's Representative or a GSA Safety and Environmental Management representative prior to starting any actual asbestos removal work. (This approval authority may be delegated in writing to the Government's contract independent industrial hygienist.)

3.02 WORK PROCEDURE:

A. General Procedures: The enclosed work areas shall be defined as an asbestos regulated area and all asbestos worker protection and work practices not addressed in this specification shall be performed in conformance with the general safety and health provisions of 29 CFR 1910.1001, 29 CFR 1910.20, and 29 CFR 1926.1101, respectively. For asbestos abatement work, use general work practices, work practices for removal, and work practices for encapsulation as specified in ASTM E 849, and other appropriate work procedures approved by the Environmental Protection Agency (EPA). If a conflict arises, the more stringent application shall apply until a determination is made by the contracting officer or his designated representative.

B. Local Exhaust System: Provide a local exhaust system in the asbestos control area as required to meet the asbestos control limit and ceiling concentration. The local exhaust system shall be vented to the outside of the building. Equip exhaust openings with the necessary filters required to reduce the airborne asbestos concentration to below the asbestos control limit. Local exhaust equipment must be sufficient to maintain a negative air pressure of 0.02 inches of water in the asbestos control area. In no case shall the building ventilation system be used as the local exhaust system for asbestos control. Filtering in vacuums and exhaust equipment shall conform to ANSI Z9.2; HEPA filters shall be used in all vacuums and exhaust equipment. If the local exhaust system does not exhaust directly to the outside, the exhaust equipment shall be tested for integrity with a Dioctylphthalate (DOP) or Dioctylsubacate (DOS) smoke generator and particle counter each time a containment is erected.

C. Coordination of Work of all Trades: Coordinate the work of all trades to assure that their work is performed in accordance with the applicable regulations and that the asbestos control limits are maintained at all times both inside and outside the asbestos work area.

3.03 NEGATIVE PRESSURE GLOVEBAG METHOD OF ASBESTOS REMOVAL:

A. General: If the contract drawings specifically permit the glovebag method for removing pipe insulation, personnel decontamination procedures may not be required. However, respiratory protection and disposable clothing will be required. Discard the clothing in accordance with paragraph "Disposal of friable asbestos."

B. Procedure: Install the glovebag and negative pressure equipment according to manufacturer's recommendations. Cut covering on the insulation along the top seam to allow wetting of the insulation, and cut cover all around section to be removed. Remove in small sections. Lower the insulation material carefully inside the glovebag. Do not permit it to drop.

C. Removal of Glovebag and Disposal: Following removal of insulation, ensure that all visible material is inside the bag. Spray all tools in glovebag with amended water while it is still attached. Evacuate bag with portable HEPA vacuum and while the bag is collapsed, squeeze bag below tool pouch, and twist bag. Seal bag with tape or locking ties, separating the waste from the removal area. Vacuum the inside of the top of the glovebag and unsealed portion of the glovebag below. Keep HEPA vacuum connected until the glovebag is removed. Replace HEPA filters as recommended by manufacturer. Cut the glovebag along the top and sides, then remove it from the pipe. Wet wipe and wash all tools and removal area thoroughly. Dispose of glovebag, material, and contaminated equipment in accordance with paragraph "Disposal of Friable Asbestos."

3.04 QUALITY CONTROL:

A. Monitoring: Monitoring of airborne concentrations of asbestos shall be in accordance with 29 CFR 1910.1001, 29 CFR 1926.1101, and ASTM E 849. Monitor the airborne concentration of asbestos before starting work to obtain a baseline fiber concentration in the affected areas. Then monitor once every four hours, continuously during the course of the work inside the asbestos work area; one time daily outside the entrance to the asbestos work area and at the exhaust opening of the local exhaust system. If monitoring shows airborne concentrations greater than the asbestos control limits, stop all work, correct the conditions causing the excessive levels, and notify the Contracting Officer immediately. In addition, monitor the airborne concentrations of asbestos after final cleanup and removal of the enclosure of the asbestos control area in accordance with paragraph "Final cleanup and removal of enclosures."

B. Site Inspection and Stop Work Orders: While performing asbestos abatement work, the Contractor shall be subject to on site inspection by agency officials or agency contracted inspection services. Work shall also be subject to inspection by OSHA and EPA inspectors and/or local building or health officials. If found to be in violation by one of these officials, the Contractor shall cease all work immediately. Until the violation is resolved, standby time required to resolve the violation shall be at the Contractor's expense. One complete set of equipment (such as respirators and disposable clothing) required for entry to the asbestos control area shall be made available within 2 hours of request by the Contracting Officer for inspection of the asbestos control area. Such requests will only be made during the contractor's working hours.

3.05 CLEANUP AND DISPOSAL:

A. Permits and Notifications: Secure necessary permits in conjunction with asbestos removal, hauling and disposition and provide timely notification of such actions, as may be required by federal, state, regional, and local authorities. Notify the Regional Office of the United States Environmental Protection Agency and provide copies of the notification to the Contracting Officer 10 days prior to the commencement of the work. Provide notification in accordance with 40 CFR 61.22(d)(1). (See Paragraph 1.01)

B. Housekeeping: Essential parts of asbestos dust control are housekeeping and cleanup procedures. Maintain all surfaces throughout the building free of accumulations of asbestos fibers to prevent further dispersion. Give meticulous attention to restricting the spread of dust and debris, keep waste from being distributed over the general area or to lower floors. Use approved industrial vacuum cleaners with a HEPA filter to collect dust and small scrap. The blowing down of the space with compressed air is forbidden. Post appropriate asbestos hazard warning signs. In all possible instances workmen shall cleanup their own areas. Equip personnel engaged in cleaning up asbestos scrap and waste with necessary respiratory equipment and protective clothing.

C. Disposal of Friable Asbestos: Collect and dispose of friable asbestos waste, scrap, debris, bags, containers, equipment, and asbestos contaminated clothing which may produce airborne concentrations of asbestos fibers in sealed impermeable bags. Prior to placing in bags, or containers, wet down asbestos wastes to reduce airborne concentrations. Waste asbestos material shall be disposed of in accordance with all Federal regulations at a sanitary landfill that meets EPA requirements. The contractor will provide the Contracting Officer or his designated representative with a copy of all hazardous waste manifests, haulers receipts or landfill receiving tickets resulting from the disposal of the asbestos waste. Establishment of any on-site temporary holding area for properly packaged asbestos waste must be approved by the Contracting Officer or his designated representative.

D. Final Cleanup and Removal of Enclosure: The Contractor must notify the Contracting Officer that the work area is ready for final inspection. The Contracting Officer or his designated representative will inspect the work area prior to decontamination and removal of enclosure. Visual observation of asbestos materials, dust or debris is not permitted on any surface in or around the work area. Clean work area in accordance with EPA approved methods. The Contracting Officer's independent industrial hygienist will perform air sampling for clearance purposes. Perform sampling in an aggressive manner, using fans or similar equipment to create exaggerated air movement during the clearance air sampling. Repeat the decontamination and testing process until fiber concentration level reaches 0.01 f/cc or the level recommended by EPA. If fiber concentration does not exceed 0.01 f/cc or the level recommended by EPA, the Contracting Officer or a designated representative may authorize removal of the **decontamination unit**, enclosure, **and critical barriers**. Contracting Officer approval of final cleaning and restoration of the work area is required.

PERMIT NUMBER_____

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

(1) BUILDING NAME: _____
GSA BUILDING NUMBER: _____
BUILDING STREET ADDRESS: _____
CITY, STATE, AND ZIP CODE: _____

(2) A. BRIEF DESCRIPTION (ATTACH DESCRIPTION OR FLOOR PLAN, AS NECESSARY AND AVAILABLE)_____
_____
_____
B.OSHA ACM ACTIVITY: CLASS I_____CLASS II_____CLASS III_____CLASS IV_____
C. ENVIRONMENTAL CONTROL METHOD? GLOVEBAG_____CONTAINMENT_____
D. 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:_____
CONTRACT NUMBER:_____PHONE:_____
(6) ESTIMATED OR ACTUAL COST OF THIS ABATEMENT $_____
(7) CONTRACTORS:
GENERAL:_____ ASBESTOS:_____
ADDRESS:_____ ADDRESS:_____
_____ _____
PHONE:_____ PHONE:_____
SUPERVISOR:_____ SUPERVISOR:_____

(8) DEBRIS HAULED BY:_____ TO:_____
ADDRESS:_____ ADDRESS:_____
PHONE: _____ PHONE:_____
(9) AIR MONITORING

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

(10) TENANT CONTACT'S NAME:_____
AGENCY:_____PHONE:_____

(11) ASBESTOS PROGRAM MANAGER (APM) REVIEW:

EMERGENCY (INITIAL):_____ PHONE:_____

SIGNATURE:_____DATE:_____

(12) GSA SAFETY, ENVIRONMENT AND FIRE PROTECTION BRANCH REVIEW (WPYG):

SIGNATURE:_____DATE:_____

RETURN TO: GSA Safety, Environment and
Fire Protection Branch (WPYG)
ROB RM 2080
Washington, DC 20407

NOTIFICATION: EPA:_____
DEMO:_____ DC:_____
RENO: _____ MD:_____
LF____SF____ VA:_____

(FOR INFORMATION PHONE: 708-5236/FAX 708-6207 OR AFTER HOURS 708-1111)

SHIPPING MANIFEST

REPORTABLE QUANTITY, HAZARDOUS SUBSTANCE, SOLID, N.O.S.
ORM-E NA 9188 (ASBESTOS)

Total Quantity of Hazardous Substance:

_____ Bags
_____ Drums
_____ Cubic Yards
_____ _____(Other Unit)

Waste Generator:
(Building Name)
BLDG NO:_____
GSA Contract #:

Name:_____

Address:_____

_____

Waste Pickup Site:

Name:_____

Address:_____

_____

Waste Transporter:
(Prime Contractor)

Name:_____

Address:_____

_____

Disposal Facility:

Contact:_____

Phone:_____

Landfill Name:_____

Address:_____

_____ZIP_____

NOTE: THIS FORM SHALL BE SIGNED BY EACH PARTY AS CONTROL OF THE HAZARDOUS SUBSTANCE IS RELINQUISHED TO THE NEXT PARTY.

	RECEIVED FROM Name, Representing	DATE	RECEIVED BY Name, Representing	DATE
1.	_____	_____	_____	_____
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

APPENDIX A GSA ASBESTOS ABATEMENT PROJECT CONTROL CHECKLIST
02085 Asbestos Contractor Submittal Punch List

PROJECT_____
PROJECT NUMBER_____
DATE REVIEWED_____
REVIEWER_____

_____ABATEMENT___FLOORTILE__ROOFING__OTHER

A. Pre-Award Submittals**:** Items Submitted After Bid Receipt But Prior to Award:

Asbestos Contractor Qualification Information

	REVIEWED	APPROVED	IN FILE
*1. Record of firms' experience, including names and addresses of purchasers of service, location of work, and dates of performance (Section 1.04.A.1.)	_____	_____	____
*2. Copy of daily log and air monitoring reports for last five jobs, (Section 1.04.A.2.)	_____	_____	____
*3. Name of Superintendent: (Section 1.04.A.3.)			
a. Record of experience	_____	_____	____
b. Record of training	_____	_____	____
*4. Names and experience record of employees: (Section 1.04.A.4.)			
a. Record of experience	_____	_____	____
b. Copy of successful completion record for required training.	_____	_____	____
*5. Current State License: (Section 1.04.A.5.)			
a. Maryland	_____	_____	_____
b. Virginia	_____	_____	_____
c. District of Columbia	_____	_____	_____
d. Other Jurisdiction	_____	_____	_____

B. Post-Award Asbestos Abatement Submittals: Items to be submitted after award, but prior to beginning work:

	REVIEWED	APPROVED	IN FILE
1. Plan of Action: (Section 1.04.B.1.)			
a. Work plan showing location and layout of decontamination areas	_____	_____	____
b. Notification of EPA (Section 1.04.B.3.)	_____	_____	____
c. Notification of Local jurisdiction (Section 1.04.B.4.) DC/VA/MD	_____	_____	____
d. Scheduling/sequencing of work	_____	_____	____
e. Interface of other trades in work schedule	_____	_____	____
f. Methods used to ensure safety of building occupants and visitors	_____	_____	____
>>>> Air to be monitored by GSA /Tenant /Contractor	_____	_____	____
g. Disposal of waste, location of site, and permit from Owner and regulatory authority (1.04.B.2.)	_____	_____	____
h. Type of HEPA ventilation system	_____	_____	____
i. How will contractor close off and ensure that there are no leaks in building's HVAC system in contractor's work area	_____	_____	____
j. Methods of removal to be utilized	_____	_____	____
k. GSA ASBESTOS CONTROL PERMIT (1.04.B.5.)	_____	_____	____
2. Certificates of Compliance: (Section 1.04.B.6.)			
a. HEPA Vacuums	_____	_____	____
b. HEPA Ventilation equipment	_____	_____	____
c. Respirators	_____	_____	____
d. Other information	_____	_____	____

3. Information on Encapsulants: (Section 1.04.B.7.)

Compliance with Specification
EPA requirements _____ _____ ____

USED AS ENCAPSULANT ___, FLAMMABLE _____

SPRAYBACK ___, OR COMBUSTIBLE _____

WETTING AGENT ___, NONCOMBUSTIBLE _____

4. Laboratory Qualification Information: (Section 1.04.B.8.)

a. Name and location of firm _____ _____ ____

b. Proof of current accreditation _____ _____ ____

c. Certification of Microscopist _____ _____ ____

C. During-Work Asbestos Abatement Submittals: Items 1.04.C.1. through 1.04.C.2. below are to be submitted to the contracting officer or his designated representative as work progresses at the time specified:

	REVIEWED	APPROVED	IN FILE
1. Air Monitoring Results.(1.04.C.1.a.)	_____	_____	_____
2. Differential Air Pressure Readings. (Strip Charts) (1.04.1.b.)	_____	_____	_____
3. Work Area Inspections. (1.04.C.1.c.)	_____	_____	_____
4. Disposal Receipts. (1.04.C.2.a.) (NESHAPS Waste Shipment Records)	_____	_____	_____
a. Quantity of material listed.			
b. Receipt signed and dated.			
5. Transportation Vehicles(1.04.C.2.b.)	_____	_____	_____
a. Dedicated Asbestos Vehicle.			
b. Marked In Accordance With DOT and NESHAPS regulations.			
6. NESHAPS Waste Shipment Records.(1.04.C.2.c.)	_____	_____	_____
a. Quantity of material listed			
b. Receipt dated			
c. Receipt signed by authorized representative of landfill			

D. Final Submittals: Items 1.04.D.1. and 1.04.D.2. below are to be submitted to the contracting officer's designated representative at the completion of work for each containment.

	REVIEWED	APPROVED	IN FILE
1. Daily Log (1.04.D.1.)	_____	_____	____
2. Removal and Reestablish Systems Certification. (1.04.D.2.)	_____	_____	____
a. Description of Materials Removed. (1.04.D.2.a.)	_____	_____	____
b. Final Inspection Completed. (1.04.D.2.b.)	_____	_____	____
c. Restoration of Systems. (1.04.D.2.c.)	_____	_____	____

E. GSA Asbestos Abatement Project Control and Close Out

	REVIEWED	APPROVED	IN FILE
a. COPY COMPLETED GSA ASBESTOS CONTROL PERMIT (1.04.B.5.)	_____	_____	____
b. Copy of EPA and Local Notifications	_____	_____	____
c. Copy of Project Specifications.	_____	_____	____
d. Independent Air Monitoring Report.	_____	_____	____

F. **Notes**: _____

_____

_____

_____

WPMOX: Air Monitoring Ordered.	_____	_____	____
WPMOX: Length of Job. (Scheduling)	_____	_____	____

Revised 06/2004

END OF SECTION 02085