

Project Detail

Date Initiated Date Completed Active

07-Jul-2008

07-Jul-2008



Close Out Project



Tracking Number 2008-0174

Assigned DLH

POC

Enter New Update

Bldg. No. MO0613 FEDERAL CENTER, BLDG. #103F (CAFETERIA)
4300 GOODFELLOW BLVD.
ST. LOUIS MO

Title: LEAD CONTAMINATION SAMPLING, FEDERAL CENTER, 4300 GOODFELLOW, ST. LOUIS, MO

Scope: LEAD CONTAMINATION HAS BEEN FOUND IN CRAWLSPACE; BLDG WAS USED IN WWII AS LEAD HOUSE. THIS WILL DETERMINE IF LEAD CONTAMINATION EXISTS IN CAFETERIA HIGHER THAN STANDARD OF 200 UG/FT2.

Project Category: HAZ-MAT

Is this Project a Result of a Complaint?

NO

Click Here to Hyperlink to a Document

Is Project a Result of an OSHA Inquiry?

No

[..\SafetyProjectFiles\2008_0174_MO0616_Lead.ZIP](#)

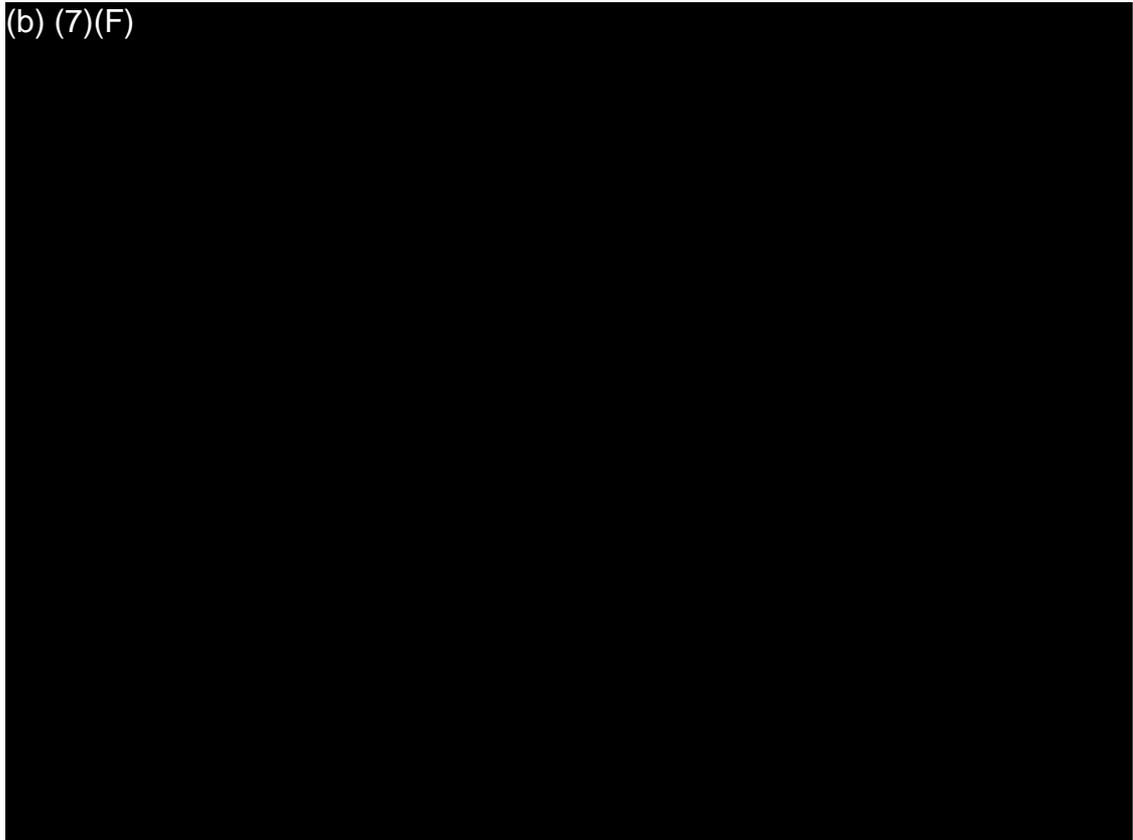
07-Jul-2008

1 OCCU-TEC CONDUCTED SAMPLING AND FOUND LEAD SURFACE CONTAMINATION IN CAFETERIA WELL BELOW 200 UG/FT2. SPECS CREATED FOR DEALING WITH LEAD IN CRAWLSPACE RELEVANT TO MAINTENANCE WORKER EXPOSURES.

Appendix A
Goodfellow Bldg. 103F Crawlspace

Photograph #1 was shot from a point inside the crawlspace looking towards the access door. The access path will extend from the access door to the wall behind from where the photo was shot, and will extend be the width of the area between the columns (arrow).

(b) (7)(F)



Photograph #2 shows the work area. The pad will extend from the wall on the right to the column on the left, and from a point approx. 15 feet beyond the sump pit shown in the foreground to connect to the access route (behind from where the cameraman is standing) shown in the Photograph #1.

(b) (7)(F)

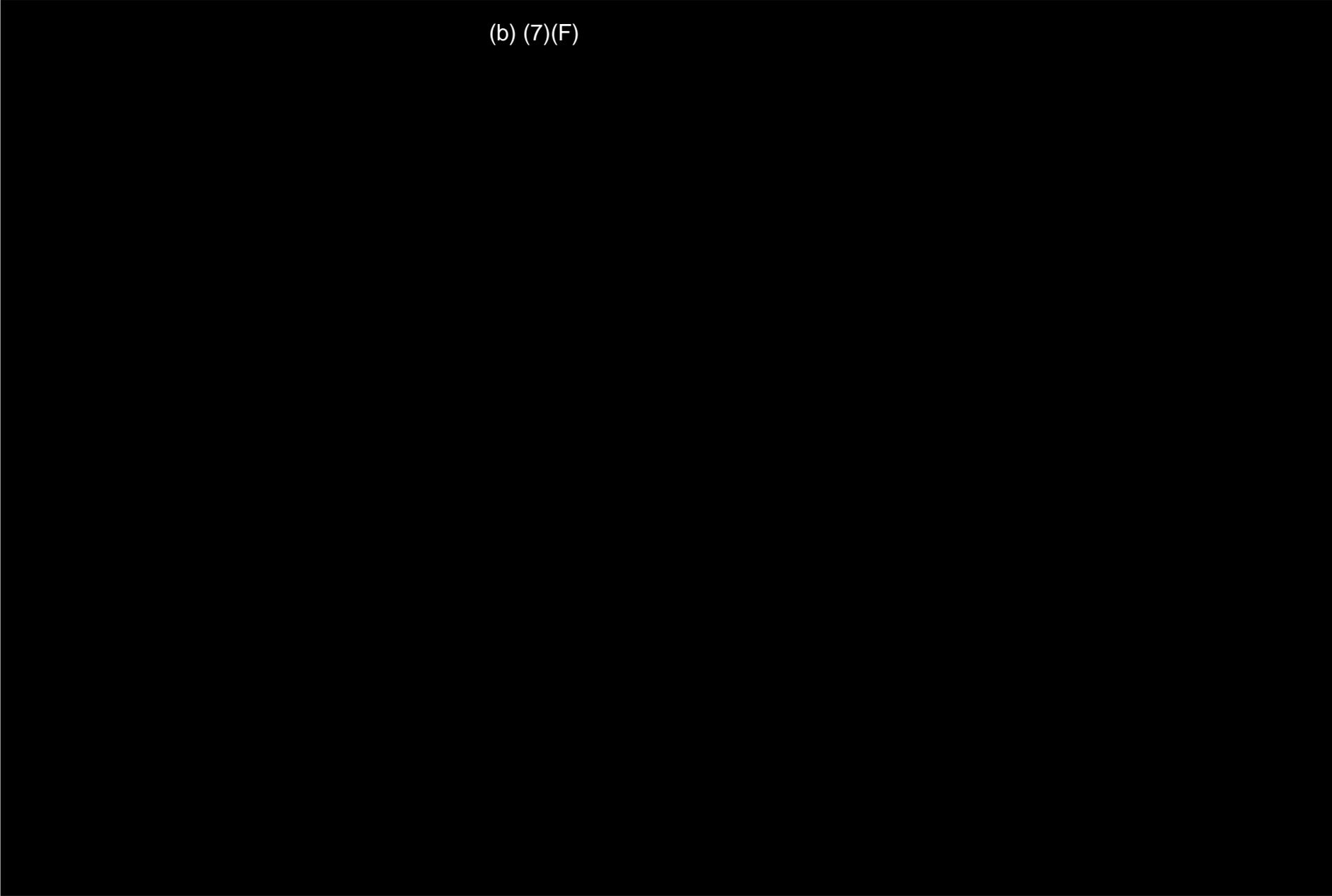


GOODFELLOW FEDERAL CENTER, BLDG. 103F (Cafeteria), Crawlspace



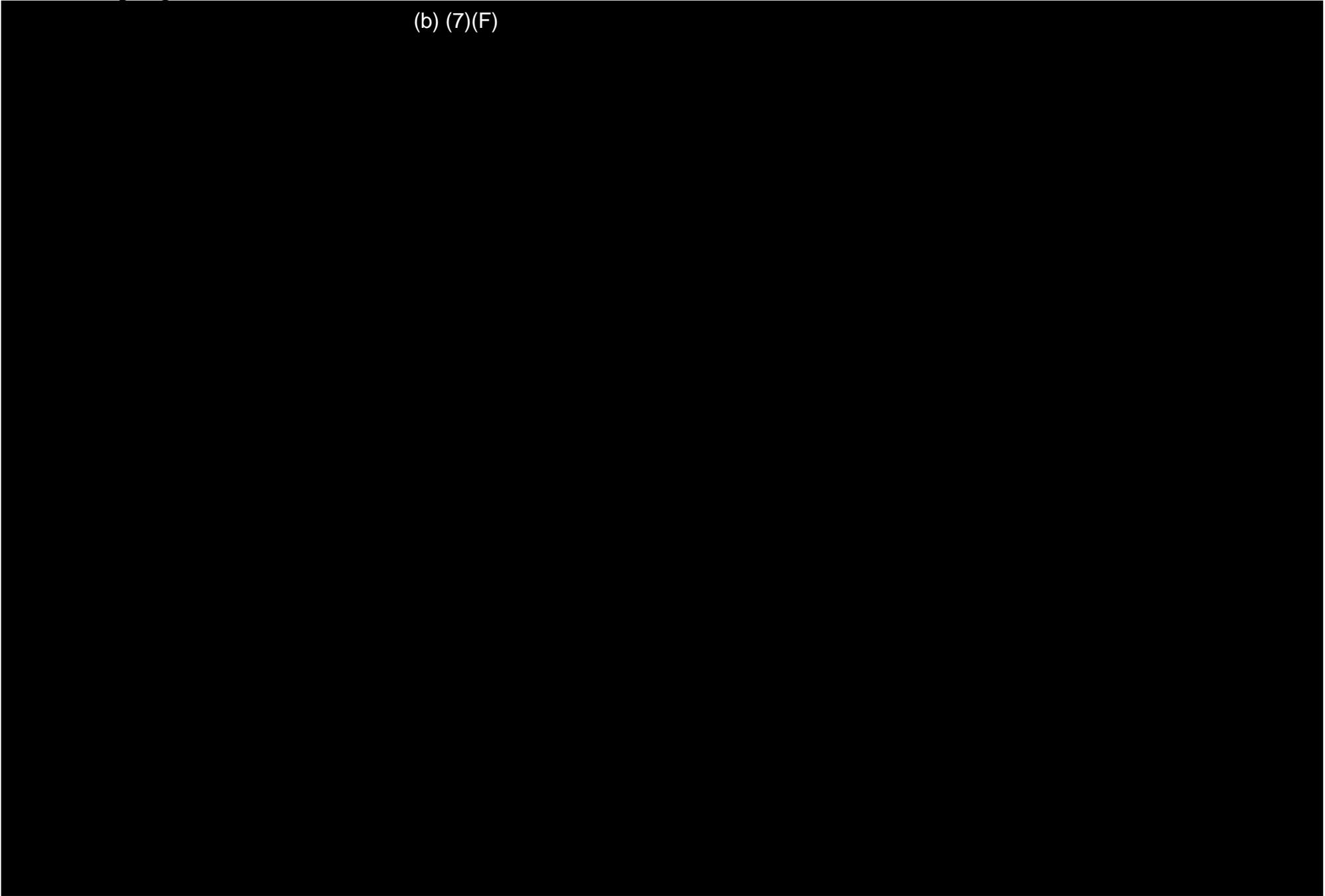
Wi e Sam lin Locations

(b) (7)(F)



Soil Sampling Locations

(b) (7)(F)





June 11, 2008

Mr. David Hartshorn
GSA Heartland Region
Safety & Environmental Team Leader
Facilities Management Division 6PF
1500 East Bannister Road Room 2101
Kansas City, Missouri 64131-3088

**RE: St. Louis Federal Center –Building #103F – Lead Dust Investigation
Project No. 98081**

Dear Mr. Hartshorn:

Thank you for the opportunity to provide the General Services Administration (GSA) with the subject survey. The following is our report.

On June 4, 2008, Mr. Jeff Smith of OCCU-TEC conducted surface dust sampling for the presence of lead on the interior of Building #103F at the St. Louis Federal Center, located at 4300 Goodfellow Blvd. in St. Louis, Missouri. The inspection included the collection of interior lead wipe samples from the Cafeteria and surrounding area.

The interior lead wipe samples have been placed in the following table;

Interior Lead Wipe Samples

Sample #	Location	Result
01	Kitchen Dishwasher Area – above ceiling, top of ceiling tile	110 ug/ft2
02	Dining Area – west side, top of divider wall	<12 ug/ft2
03	Dining Area – north side, top of divider wall	<12 ug/ft2
04	Dining Area – east side, top of divider wall	<12 ug/ft2
05	Dining Area – north wall window sill	<12 ug/ft2
06	Dining Area – east wall window sill	<12 ug/ft2

Sample #	Location	Result
07	Dining Area – east wall, brick window sill	<12 ug/ft2
08	Private Dining – west wall, brick window sill	<12 ug/ft2
09	West Hallway – window sill	<12 ug/ft2
10	Dining Area – top of shelf in coat closet area	<12 ug/ft2
11	Dining Area – top of trash container	<12 ug/ft2
12	Southwest Hallway – top of trophy case	16 ug/ft2

Although not applicable in a federal office facility, HUD clearance standards may be used as a reference in evaluating the results. As shown above, eleven of the twelve wipe samples were well below the HUD clearance standards. As per 24 CFR Part 35, the HUD mandated clearance levels are 40 micrograms per square foot for floors, 400 micrograms per square foot for window wells and 250 micrograms per square foot for window sills.

OCCU-TEC appreciates the opportunity to work with GSA on this project. If you have any questions concerning this report, or if we may be of any additional service, please feel free to contact us.

Sincerely,



Jeff T. Smith
Project Manager
Missouri Lead Risk Assessor

Enclosure



June 11, 2008

Jeff Smith
Occu-Tec Inc.
6501 E. Commerce
Suite 230
Kansas City, MO 64120-

Bureau Veritas Work Order 08060264

Reference: 98081

Dear Jeff Smith:

Bureau Veritas North America, Inc. received 12 samples on 6/6/2008 for the analyses presented in the following report.

Enclosed is a copy of the Chain-of-Custody record, acknowledging receipt of these samples. Please note that any unused portion of the samples will be discarded 30 days after the date of this report, unless you have requested otherwise.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number provided below.

We appreciate the opportunity to assist you. If you have any questions concerning this report, please contact a Client Services Representative at (800) 806-5887.

Sincerely,

(b) (7)(F)

Ellen Coffman
Client Services Representative

cc:

CASE NARRATIVE

Date: 11-Jun-08

Client: GENERAL SERVICES ADMINISTRATION

Project: 98081

Work Order No 08060264

Unless otherwise noted below, all quality control results associated with this sample set were within acceptable limits and/or do not adversely affect the reported results.

Unless otherwise indicated below, the industrial hygiene results have not been blank corrected.

ANALYTICAL RESULTS

Date: 11-Jun-08

Client: GENERAL SERVICES ADMINISTRATION

Project: 98081

Work Order No: 08060264

Client ID: 01-DISHWASHER AREA, ABOVE CEILING

Date Sampled: 6/4/2008

Lab ID: 001A

Date Received: 6/6/2008

Matrix: Wipe

Air Vol.(L): NA

Analyte	Concentration		Reporting Limit (µg)	Test Method	Date Analyzed / Analyst
	(µg)	(mg/m³)			
Lead	110	--	12	OSHA ID-125G	06/09/2008 DH

Client ID: 02-DINING-DIVIDER WALL TOP

Date Sampled: 6/4/2008

Lab ID: 002A

Date Received: 6/6/2008

Matrix: Wipe

Air Vol.(L): NA

Analyte	Concentration		Reporting Limit (µg)	Test Method	Date Analyzed / Analyst
	(µg)	(mg/m³)			
Lead	<12	--	12	OSHA ID-125G	06/10/2008 DH

Client ID: 03-DINING-DIVIDER WALL TOP

Date Sampled: 6/4/2008

Lab ID: 003A

Date Received: 6/6/2008

Matrix: Wipe

Air Vol.(L): NA

Analyte	Concentration		Reporting Limit (µg)	Test Method	Date Analyzed / Analyst
	(µg)	(mg/m³)			
Lead	<12	--	12	OSHA ID-125G	06/10/2008 DH

Client ID: 04-DINING-DIVIDER WALL TOP

Date Sampled: 6/4/2008

Lab ID: 004A

Date Received: 6/6/2008

Matrix: Wipe

Air Vol.(L): NA

Analyte	Concentration		Reporting Limit (µg)	Test Method	Date Analyzed / Analyst
	(µg)	(mg/m³)			
Lead	<12	--	12	OSHA ID-125G	06/10/2008 DH

ANALYTICAL RESULTS

Date: 11-Jun-08

Client: GENERAL SERVICES ADMINISTRATION

Project: 98081

Work Order No: 08060264

Client ID: 05-DINING-WINDOW SILL

Date Sampled: 6/4/2008

Lab ID: 005A

Date Received: 6/6/2008

Matrix: Wipe

Air Vol.(L): NA

Analyte	Concentration		Reporting Limit (µg)	Test Method	Date Analyzed / Analyst
	(µg)	(mg/m ³)			
Lead	<12	--	12	OSHA ID-125G	06/10/2008 DH

Client ID: 06-DINING-WINDOW SILL

Date Sampled: 6/4/2008

Lab ID: 006A

Date Received: 6/6/2008

Matrix: Wipe

Air Vol.(L): NA

Analyte	Concentration		Reporting Limit (µg)	Test Method	Date Analyzed / Analyst
	(µg)	(mg/m ³)			
Lead	<12	--	12	OSHA ID-125G	06/10/2008 DH

Client ID: 07-DINING-WINDOW SILL

Date Sampled: 6/4/2008

Lab ID: 007A

Date Received: 6/6/2008

Matrix: Wipe

Air Vol.(L): NA

Analyte	Concentration		Reporting Limit (µg)	Test Method	Date Analyzed / Analyst
	(µg)	(mg/m ³)			
Lead	<12	--	12	OSHA ID-125G	06/10/2008 DH

Client ID: 08-PRIVATE DINING SILL

Date Sampled: 6/4/2008

Lab ID: 008A

Date Received: 6/6/2008

Matrix: Wipe

Air Vol.(L): NA

Analyte	Concentration		Reporting Limit (µg)	Test Method	Date Analyzed / Analyst
	(µg)	(mg/m ³)			
Lead	<12	--	12	OSHA ID-125G	06/10/2008 DH

ANALYTICAL RESULTS

Date: 11-Jun-08

Client: GENERAL SERVICES ADMINISTRATION

Project: 98081

Work Order No: 08060264

Client ID: 09-W HALL WINDOW SILL

Date Sampled: 6/4/2008

Lab ID: 009A

Date Received: 6/6/2008

Matrix: Wipe

Air Vol.(L): NA

Analyte	Concentration		Reporting Limit (µg)	Test Method	Date Analyzed / Analyst
	(µg)	(mg/m³)			
Lead	<12	--	12	OSHA ID-125G	06/10/2008 DH

Client ID: 10-DINING-CLOSET SHELF

Date Sampled: 6/4/2008

Lab ID: 010A

Date Received: 6/6/2008

Matrix: Wipe

Air Vol.(L): NA

Analyte	Concentration		Reporting Limit (µg)	Test Method	Date Analyzed / Analyst
	(µg)	(mg/m³)			
Lead	<12	--	12	OSHA ID-125G	06/10/2008 DH

Client ID: 11-DINING-TOP OF TRASH

Date Sampled: 6/4/2008

Lab ID: 011A

Date Received: 6/6/2008

Matrix: Wipe

Air Vol.(L): NA

Analyte	Concentration		Reporting Limit (µg)	Test Method	Date Analyzed / Analyst
	(µg)	(mg/m³)			
Lead	<12	--	12	OSHA ID-125G	06/10/2008 DH

Client ID: 12-SW HALL-TOP OF CASE

Date Sampled: 6/4/2008

Lab ID: 012A

Date Received: 6/6/2008

Matrix: Wipe

Air Vol.(L): NA

Analyte	Concentration		Reporting Limit (µg)	Test Method	Date Analyzed / Analyst
	(µg)	(mg/m³)			
Lead	16	--	12	OSHA ID-125G	06/10/2008 DH

General Notes:

<: Less than the indicated reporting limit (RL).

--: Information not available or not applicable.



Bureau Veritas North America, Inc.
REQUEST FOR LABORATORY ANALYTICAL SERVICES



REPORT TO: Name Jeff Smith Client Job No. 98081
 Company Occu-Tec Inc Dept. _____
 Mailing Address 6501 E Commerce Suite 230
 City, State, Zip Kansas City, MO 64120
 Telephone No. 816-231-5580 x229 FAX No. 816-231-5641

Special instructions and/or specific regulatory requirements: (method, limit of detection, etc.)
St. Louis Federal Center
Bldg 103F - Cafeteria

* Explanation of Preservative
 CLIENT SAMPLE IDENTIFICATION

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/MEDIA	AIR VOLUME (specify units)	Number of Containers
01- Dishwasher Area above ceiling	6-4-08		wipe	1 SF	
02- Dining - Divider Wall Top					
03- Dining - Divider Wall Top					
04- Dining - Divider Wall Top					
05- Dining - Window Sill					
06- Dining - Window Sill					
07- Dining - Window Sill					
08- Private Dining Sill					
09- W Hall Window Sill					
10- Dining - Closet Shelf					

CHAIN OF CUSTODY
 Collected by: Jeff Smith (print)
 Relinquished by: [Signature] Date/Time 6-5-08
 Relinquished by: _____ Date/Time _____
 Method of Shipment: FedEx
 Authorized by: [Signature] Date 6-5-08
 (by Request)

Number of Containers: _____
 ANALYSIS REQUESTED (Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.)
 Collector's Signature: _____
 Received by: _____ Date/Time _____
 Received by: _____ Date/Time _____
 Received at Lab by: _____ Date/Time _____
 Sample Condition Upon Receipt: Acceptable Other (explain) _____

DISTRIBUTION:
 White = Bureau Veritas Laboratory
 Yellow = Bureau Veritas Accounting
 Pink = Client Copy

Page 1 of 2
 For Bureau Veritas Use Only
 Bureau Veritas Lab Project No. _____

IMPORTANT
 Date Results Requested: 6-13-08
 Rush Charges Authorized? Yes No
 Fax or E-mail Results
 E-mail address: J.Smith@occutec.com

Purchase Order No. _____
 Name Dave Hartshorn
 Company GSA
 Address 1500 E Bannister Rd
 City, State, Zip Kansas City MO 64131
 Dept. Loss Ctrl. _____

SEND INVOICE TO _____

Please return completed form and samples to one of the Bureau Veritas North America, Inc. labs listed below:
 Detroit Lab
 22345 Roethel Drive
 Novi, MI 48375
 (800) 806-5887
 (248) 344-1770
 FAX (248) 344-2655
 Atlanta Lab
 3380 Chastain Meadows Parkway, Suite 300
 Kennesaw, GA 30144
 (800) 252-9919
 (770) 499-7500
 FAX (770) 499-7511

STATE OF MISSOURI
ENVIRONMENTAL REGULATION & LICENSURE

LEAD OCCUPATION LICENSE REGISTRATION

Issued to:

Jeffrey T Smith

The person, firm or corporation whose name appears on this certificate has fulfilled the requirements for licensure as set forth in the Missouri Revised Statutes 701.300-701.338, as long as not suspended or revoked, and is hereby authorized to engage in the activity listed below.

Risk Assessor
Category of License

Issuance Date: **March 16, 2007**
Expiration Date: **March 16, 2009**
License Number: **010316-200089640**

(b) (6)



Jane Drummond
Director
Department of Health and Senior Services

Lead Abatement Specifications
Federal Center
Building 103F (Cafeteria) Crawlspace
4300 Goodfellow Ave., St. Louis, Missouri

SECTION 01595 - SAFETY AND HEALTH

PART 1 - GENERAL

1.1 SUMMARY

A. References: In addition to publications referenced in the Construction Contract Clauses, the following form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

1. Title 29, Code of Federal Regulations, Part 1910 (29 CFR 1910), OSHA General Industry Safety and Health Standards;
2. 29 CFR 1926, OSHA Construction Industry Standards;
3. 40 CFR 261, EPA Characteristics of Hazardous Waste;
4. National Fire Protection Association (NFPA) 70E (National Electric Code).

B. Hazardous Materials: Hazardous and toxic materials/substances defined in Subparts H and Z of 29 CFR 1910 and in 40 CFR 261.

C. Acquisition of Publications: Referenced publications may be purchased from:

1. Codes of Federal Regulations may be purchased from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.
2. NFPA publications may be purchased from the National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101.

1.2 SAFETY MEETING

Prior to commencing on-site work, representatives of the Contractor, including the principal on-site project representative and one or more safety representatives, shall meet with the designated representative of the Contracting Officer for the purpose of reviewing the Contractor's safety and health programs and discussing implementation of all safety and health provisions pertinent to the work to be performed under the contract. The Contractor shall be prepared to discuss, in detail, the measures he/she intends to take in order to control any unsafe or unhealthy conditions associated with the work to be performed under the contract.

1.3 CONTRACTOR RESPONSIBILITY

- A. General. The Contractor shall assume full responsibility and liability for compliance with all applicable regulations listed under Paragraph 1.1.A of this section, pertaining to the health and safety of personnel during the execution of work, and shall hold the Government harmless for any action on his/her part or that of his/her employees or subcontractors, which results in illness, injury or death.
- B. All work, including contact with and handling of hazardous materials, the disturbance or dismantling of structures containing hazardous materials, and/or the disposal of hazardous materials shall comply with the applicable requirements listed in publications found under Paragraph 1.1.A of this section.
1. Work involving the disturbance or dismantling of asbestos or asbestos-containing materials, demolition of structures containing asbestos, and removal of asbestos shall comply with 40 CFR 61, Subparts A and M, and with 40 CFR 763, as applicable.
 2. Additionally, all work shall comply with applicable state and local safety and health requirements.
 3. Where there is a conflict between applicable regulations, the most stringent shall apply.
- C. First Aid and Emergency Response Requirements: The Contractor shall provide for appropriate emergency first aid equipment. Additionally, a 20-pound ABC-rated fire extinguisher shall be maintained on-site as well as absorbent material of sufficient quantity to collect any spill of hazardous materials which might occur during this project. A listing of emergency phone numbers and points of contact for fire, hospital, police, ambulance, and other necessary contacts shall be posted at the Contractor's site.
- D. Safety and Accident Prevention Plan. The Contractor shall develop and implement a Safety and Accident Prevention Plan specifically for this project in accordance the following:
- f) The Safety and Accident Prevention Plan will be developed by qualified personnel and will be signed by a competent person and a representative of the prime contractor's project management team.
 - g) The Safety and Accident Prevention Plan will provide for frequent (at least daily) safety inspections, conducted by competent persons, of the work sites, material, and equipment to ensure compliance with the Plan, these specifications, and with applicable OSHA regulations.

- a) Identified safety and health issues and deficiencies will be corrected as soon as possible; items determined to be immediately dangerous to life or health (IDLH) will be corrected before operations are allowed to proceed. For non-IDLH conditions which cannot be corrected on-the-spot, and the actions, timetable, and responsibility for correcting the deficiencies will be noted in the inspection log.
 - b) Follow-up inspections, for conditions which cannot be corrected on-the-spot, will be performed no less than daily until the condition(s) is/are corrected.
- h) The following specific elements shall be addressed in the Safety and Accident Prevention Plan:
- a) Background information, including contractor name, project name, brief description of the project, and the work to be performed.
 - b) Statement of Safety and Health Policy. A copy of the corporate safety program may provide a significant portion of the information required by the Accident Prevention Plan.
 - c) Identification of personnel responsible for safety, both at corporate level and on this project; include names and phone numbers.
 - d) Accident Reporting. Describe how Contractor shall comply with paragraph 1.3.E of this Section.
 - e) Medical Support:
 - i. Describe medical surveillance requirements for personnel assigned to this project based upon the personal protective equipment they will be using and hazards to which they may be exposed.
 - ii. Outline on-site medical support and off-site medical arrangements (including telephone numbers, addresses, and maps from the site to the medical facility).
 - f) Number, type, and experience of employees to be used for each type of work to be performed under this contract.
 - g) Description of how applicable safety and health regulations and standards are to be met, including:
 - i. Electrical protection.
 - ii. Fall protection.
 - iii. Fire prevention.
 - iv. Housekeeping.

- h) Personal Protective Equipment. Outline procedures (what, who, when, how) for conducting hazard assessments and written certifications for use of the personal protective equipment (head, hand, foot, eye/face, hearing, respiratory, etc.) to be used on this project. Where OSHA requires a specific plan to be developed (e.g., Respiratory Protection Program, Confined Space Entry Program, etc.), include a copy of that plan as an appendix to the plan.
- i) Procedures for storing and disposing of the hazardous materials and wastes used, handled, stored, or generated on the site.
- j) Emergency procedures for accidental spills of or exposures to hazardous materials on-site.
- k) Identification of possible hazards, problems, and proposed control mechanisms.
- l) Protection of public or others not related to the work performed under this contract.
- m) Interfacing and control of subcontractors, if any.
- n) Identification of any required analyses, demonstrations, and validation requirements.
- o) Method of certification for compliance.
- p) Designation letter appointing the Contractor's Site Safety and Health Officer(s).
- q) Material Safety Data Sheets (MSDS) for all hazardous materials (as defined by OSHA 29 CFR 1910.1200) brought, used, handled, or stored on-site by the Contractor or sub-contractors.

E. Accident Reporting:

1. Every accident or illness experienced on-site which will require reporting to the contractor's or sub-contractor's insurance carrier(s) and/or to the Occupational Safety and Health Administration (OSHA) shall also be reported to the General Services Administration Region 6 Safety and Environmental Management Team (telephone 816-823-2219, fax 816-926-1779) **NO LATER THAN** 72 hours following the accident or incident. The GSA 'Report of Injury/Illness or Accident' form shall be used for this reporting requirement; it shall be the responsibility of the contractor to ensure the form is completed properly (available on-line at <http://safety.gsa.gov/gsa/heartland/accident.htm>). If on-line reporting is not available to the contractor, the form

is available from the Region 6 Safety and Environmental Management Office; they may be reproduced by the contractor to ensure an adequate supply is maintained on-site.

2. A copy of each accident report the Contractor or subcontractors submit to their insurance carriers shall be forwarded through the Construction Engineer to the Contracting Officer as soon as possible, but in no event later than seven (7) calendar days after the day the accident occurred.
3. In the event the accident results in hospitalization of more than three (3) individuals or the death of any individual, the Contractor shall verbally notify the Construction Engineer **IMMEDIATELY**. A written report shall be forwarded **NOT LATER THAN** 48 hours following the accident.

F. Unforeseen Hazards. Should any unforeseen or site-specific safety-related factor, hazard, or condition become evident during the performance of work at this site, it shall be the Contractor's responsibility to bring such to the attention of the Contracting Officer, both verbally and in writing, as quickly as possible for resolution. In the interim, the Contractor shall take prudent action to establish and maintain safe working conditions and to safeguard employees, the public, and the environment.

1.4 SUBMITTALS

- A. Safety and Accident Prevention Plan. The Contractor shall submit, for approval, copies of the project's Safety and Accident Prevention Plan, as described in paragraph 1.3 of this section.
- B. Accident Reports. The Contractor shall submit each accident report as detailed in paragraph 1.3.E, of this section.
- C. Permits. If hazardous materials are disposed of off-site, the Contractor shall submit copies of permits from applicable, Federal, state, or municipal authorities and necessary certificates that the material has been disposed of as per regulations.
- D. Material Safety Data Sheets (MSDS). The Contractor shall submit an up-to-date MSDS for all hazardous materials (as defined by OSHA 29 CFR 1910.1200) brought, used, handled, or stored on-site by the Contractor or subcontractors. Copies of these MSDSs shall be maintained on-site throughout the duration of this contract.

PART 2 - PRODUCTS

2.1 PERSONNEL PROTECTIVE EQUIPMENT

- A. Special facilities, devices, equipment, and similar items used by the Contractor in execution of the this contract shall comply with 29 CFR 1910, Subpart I, and other applicable regulations.

2.2 HAZARDOUS MATERIALS

- A. The Contractor shall bring to the attention of the Contracting Officer any materials suspected of being hazardous which he/she encounters during execution of the Work.
- B. The Contracting Officer shall determine who is to perform tests to determine if a material is hazardous.
- C. If the Contracting Officer directs the Contractor to perform tests, and/or if the material is found hazardous and additional protective measures are needed, a change to the Contract price may be provided, subject to applicable provisions of this Contract.

PART 3 - EXECUTION

3.1 EMERGENCY SUSPENSION OF WORK

- A. When the Contractor or his/her subcontractors are notified by the Contracting Officer's representative(s) of any noncompliance with the provisions of the contract and the action(s) to be taken, the Contractor shall **immediately**, if so directed, or otherwise within 48 hours after receipt of a notice of violation correct the unsafe or unhealthy condition.
 - 1. If the Contractor fails to comply promptly, all or any part of the work being performed may be stopped by the Contracting Officer or his/her representative(s) with a "Stop Work Order."
 - 2. When, in the opinion of the Contracting Officer or his/her representative(s), satisfactory corrective action has been taken to correct the unsafe and unhealthy condition, a start order will be given immediately.
 - 3. The Contractor shall not be allowed any extension of time or compensation for damages by reason of, or in connection with, such work stoppage.

3.2 PROTECTION OF PERSONNEL

- A. The Contractor shall take all necessary precautions to prevent injury to the public, building occupants, Contractor/subcontractor personnel, or damage to property of others.

1. Work shall not be performed in any area occupied by the public or building occupants unless specifically permitted by the contract or the Contracting Officer, and unless adequate steps are taken for the protection of the public or building occupants. The public or building occupants shall include all persons not employed by the Contractor or a subcontractor.
 2. Storing, positioning, or use of equipment, tools, materials, scraps, or trash in a manner likely to present a hazard to the public, building occupants, or Contractor/subcontractor personnel by its accidental shifting, ignition, or other hazardous qualities is prohibited.
 3. Obstructions: No corridor, aisle, stairway, door, or exit shall be obstructed or used in such a manner as to encroach upon routes of ingress or egress utilized by the public or building occupants, or to present an unsafe or unhealthy condition to the public or building occupants.
- B. Whenever practicable, the work area shall be fenced, barricaded, or otherwise blocked off from the public or building occupants to prevent unauthorized entry into the work area.
1. Alternate Precautions: When the nature of the work prevents isolation of the work area and the public or building occupants may be in or pass through, under, or over the work area, alternate precautions such as the posting of signs, the use of signal persons, the erection of barricades or similar protection around particularly hazardous operations shall be used, as appropriate.
 2. Fences and barricades shall be removed upon completion of the project, in accordance with local ordinances and to the satisfaction of the Contracting Officer or his/her representative.
- C. Vehicles (scooters, forklifts, scissor lifts, etc.) operated within occupied within the buildings involved in this project should be electrical-powered types.
1. The contractor is advised that the operation of vehicles powered by internal combustion engines (e.g., propane, gasoline, or diesel) is **PROHIBITED AT ANY TIME** within the building, unless the exhaust's of the vehicles are modified as described below.
 - a. Gasoline- or Propane-powered: Use catalytic converters to reduce carbon monoxide (CO) and nitrogen dioxide (NO₂) emissions. These contaminants, in enclosed spaces, constitute a significant safety and health concern. Therefore, in order for internal combustion vehicles powered by gasoline or propane to be operated in a GSA building, catalytic converters are required.

b. Diesel-powered: Use commercial soot traps to help clean the exhaust from diesel-powered forklifts. These forklifts generate significantly less CO and NO₂ when compared to equivalent-sized propane and gasoline forklifts. Unfortunately, diesel soot from the exhaust system can foul products and the work environment; as well as irritate the eyes and nose. Therefore, when diesel-powered forklifts are used in occupied buildings, a commercial soot trap is required on the exhaust.

2. Excluded from this prohibition are parked vehicles at the loading docks. However, these vehicles must have their engines shut off except when entering or exiting the loading docks.

3. In extreme circumstances, the Contracting Officer may be petitioned for an exception to this prohibition; exceptions must be provided in writing to be valid.

3.3 ENVIRONMENTAL PROTECTION

A. The Contractor shall dispose of solid, liquid, or gaseous hazardous materials in accordance with local codes, laws, or ordinances and regulations.

B. The Contractor shall comply with applicable Federal, state, and local noise control laws, ordinances and regulations, including but not limited to 29 CFR 1910.95 and 29 CFR 1926.52.

END OF SECTION 01595

SECTION 02075 - LEAD ABATEMENT

PART 1 GENERAL

- 1.1 This specification covers work to be performed in Building 103F, Federal Center, 4300 Goodfellow Ave., St. Louis, MO. Appendix A provides a graphical depiction of the specific building area concerned.
 - 1.1.1 The contractor shall furnish all labor, materials, services, training, insurance, and equipment as needed to successfully complete the work as indicated below. The contractor shall follow all Federal, State, and local ordinances, regulations, and rules pertaining to lead, including its storage, transportation, and disposal.
- 1.2 SUMMARY OF WORK. The goal of this project is to pour a 4-inch thick slab of concrete in a portion of the building's crawlspace. Prior to installing the slab, debris in the work area will have to be moved to other areas of the crawlspace. Environmental testing has confirmed the presence of lead contamination in the surface soil as well as on various surfaces located within the crawlspace of this building. For this reason, personal protective equipment and procedures, as outlined herein, must be adhered to.
- 1.3 WORKER SAFETY AND HEALTH. Section 01546, "Safety and Health," applies to all work covered by this section.
- 1.4 DOCUMENTS INCORPORATED BY REFERENCE. The current issue of each document shall govern. Where conflict among requirements or with these specifications exists, the more stringent requirements shall apply.
 - 1.4.1 Environmental Protection Agency (EPA) hazardous waste regulations, with special attention to the following:
 - 1.4.1.1 40 CFR 260-299 (Resource Conservation and Recovery Act).
 - 1.4.1.2 40 CFR 300-399 (Comprehensive Environmental Response, Compensation and Liability Act; CERCLA).
 - 1.4.2 Occupational Safety and Health Administration (OSHA) regulations, with special attention to the following:
 - 1.4.2.1 29 CFR 1926.62 (lead in construction).
 - 1.4.2.2 29 CFR 1910 (general industry).
 - 1.4.2.3 29 CFR 1926 (construction).

- 1.4.2.4 OSHA Instruction CPL 2-2.58, 29 CFR 1926.62, Lead Exposure in Construction; Interim Final Rule - Inspection and Compliance Procedures, December 13, 1993.
- 1.4.3 U.S. Department of Transportation (DOT) regulations, with special attention to the Hazardous Materials Regulations, 49 CFR 171-180, in particular:
 - 1.4.3.1 49 CFR 171.14(b) (4) (placarding).
 - 1.4.3.2 49 CFR 172.300-308, 324 (marking).
 - 1.4.3.3 49 CFR 172.400, 466 (labeling).
 - 1.4.3.4 49 CFR 172.500, 504, 560 (placarding).
- 1.4.4 General Services Administration (GSA) - Federal Property Management Regulations, especially 41 CFR Subpart 101-20.3, Conduct on Federal Property.
- 1.4.5 State and local environmental and occupational safety and health regulations, where applicable, with special attention to lead, respiratory protection, construction safety, electrical safety, and hazardous waste regulations.

1.5 SUBMITTALS AND NOTICES BEFORE AWARD

- 1.5.1 Qualifications and experience of contractor to be submitted before award.
 - 1.5.1.1 The contractor shall submit a statement which demonstrates the contractor's qualifications and experience as a firm of established reputation, regularly engaged in, and maintaining a regular force of workers that are trained and skilled in LBP removal, and which has successfully performed LBP abatement work on comparable previous projects. Approval by the Contracting Officer is required of the following submittals required prior to award. A checklist of compliance with these submittal requirements is attached as Appendix B. The statement shall include, as a minimum:
 - 1.5.1.1.1 Years firm has been engaged in LBP abatement. Acceptable experience shall include at least the last 3 years of LBP abatement work.
 - 1.5.1.1.2 A list of projects performed in the last 3 years involving lead abatement. Acceptable experience shall include at least five (5) LBP abatement projects. Include name, address and telephone numbers of the purchaser(s) of services; the industrial hygienist, if any, overseeing the work; location; and type and physical amount of work.

1.5.2 Qualification and experience of supervisors

1.5.2.1 A description of the qualifications and experience of all supervisors (such as project managers, on-site supervisors, foremen, etc.) proposed for this project, including:

1.5.2.1.1 Evidence of current training in LBP abatement by a EPA accredited school, a State program, or equivalent successful completion of LBP worker training, describing the training provider, subject matter, and dates and duration of course, and qualifications of the training provider(s).

1.5.2.1.2 Evidence of previous supervision of at least five LBP abatement projects. Provide the name, address and telephone number of each of the purchasers of services.

1.5.3 Qualification and experience of workforce

1.5.3.1 A statement of the qualifications and experience of the workforce, including a description of the LBP training program for the workforce. This shall include a statement that workers have received worker training by an EPA accredited school or a State program, or equivalent successful completion of LBP worker training (describing the training provider, subject matter, and dates and duration of course, and qualifications of the training provider). Describe any special expertise of any of the workers.

1.5.4 Qualification and experience of industrial hygienist(s) and industrial hygiene technicians

1.5.4.1 A statement of the qualifications and experience of the industrial hygienist(s) and, if used, industrial hygiene technicians, including:

1.5.4.1.1 A record of experience qualifying the industrial hygienist(s) as a professional and specialist in LBP abatement. As a minimum this shall include at least 2 years of industrial hygiene experience in LBP abatement project inspection. Include the name and address of the purchaser of the service, location of the work performed, and a review of the industrial hygiene activities performed for each such project in the last 2 years.

1.5.4.1.2 If an industrial hygiene technician(s) will participate in this project, a description, for each technician, of training in air monitoring and a review of previous air monitoring experience in LBP removal projects. Include the name and address of the purchaser of the service, location

of the work performed and a review of all air monitoring and other inspection activities performed for each such project in the last 2 years.

1.5.5 Personal Protective Equipment Program

1.5.5.1 The contractor's Personal Protective Equipment Program, including its Respiratory Protection Program, shall be submitted. Minimum qualifications are as specified in 29 CFR 1926.62 and, where applicable, State regulations. See this specification for minimum respiratory protective equipment requirements under this contract.

1.5.6 Medical Surveillance Program

1.5.6.1 A description of the contractor's Medical Surveillance Program for persons under the supervisory control of the contractor who may be occupationally exposed to airborne lead dust above the OSHA action level or other hazardous substances under this contract. Minimal qualifications shall be as specified in 29 CFR 1926.62, or, where applicable, State regulations.

1.5.7 (Not Used)

1.5.8 (Not Used)

1.5.9 Statement of regulatory/litigation/work status

1.5.9.1 A statement containing the following information:

1.5.9.1.1 A record of any citations, fines, settlements or confirmed violations issued by any regulatory or legal agency concerning performance on hazardous materials abatement contracts in the last 3 years. For each such occurrence, describe the circumstances, citing the project, persons involved, type of action, stoppage of work, if any, agency involved, and resolution.

1.5.9.1.2 A list of all occasions in the last 3 years in which the contractor has been issued a Stop Work Order due to negligence or noncompliance with LBP or other hazardous materials abatement or related project specifications. Briefly describe the circumstances and outcome of each occurrence, including liquidated damages, overruns in scheduled time limitations, and resolution.

1.5.9.1.3 A description of all situations in the last 3 years in which a hazardous materials-related contract has been terminated, specifying project, dates and reasons for termination.

1.5.9.1.4 Listing of any hazardous materials-related litigation or arbitration in the last 3 years in which the contractor (or any of its employees proposed for work on this project) has participated or is currently involved arising out of performance on an LBP related contract. Include descriptions of role, issue, and resolution to date including any liquidated damages assessed. Note that participation in litigation or arbitration is not in itself a disqualifying factor, since, for example, it may reflect assertion of contractor's rights.

1.5.10 Insurance status

1.5.10.1 A statement regarding the contractor's insurance status, including:

1.5.10.1.1 Proof of coverage under the State Workers Compensation insurance system.

1.5.10.1.2 Certificate of general liability insurance. Such insurance shall provide coverage for lead-related occupational illness or death as well as other occupational illness or death, personal injury and property damage, on either an occurrence basis or a claims-made basis with at least a 10-year tail. Specify coverage limits and identify any exclusions to the coverage. If not currently covered by such insurance, provide a copy of the most recent certificate of such insurance and a statement from an insurer that such insurance will be provided if the contractor is awarded this contract.

1.6 SUBMITTALS AFTER AWARD AND PRIOR TO NOTICE TO PROCEED

1.6.1 **Plan of Action**

1.6.1.1 The contractor shall submit a Plan of Action for handling hazardous materials throughout the project after the award of the contract. Approval of the plan by the Contracting Officer is required prior to notice to proceed. A checklist is provided as Appendix C. This plan shall contain at least:

1.6.1.1.1 Overall statement of procedures proposed for use in complying with the regulations and requirements included in this specification.

1.6.1.1.2 The submittals listed in SECTION 01546, Safety and Health, paragraphs on Submittals.

1.6.2 **Lead Exposure Compliance Program**

- 1.6.2.1 The contractor's Lead Exposure Compliance Program for this contract shall be submitted. Minimum requirements, (such as for equipment, engineering controls, work practices, etc.), shall conform to 29 CFR 1926.62(e)(2), and, where applicable, State and local regulations. The contractor shall base its compliance program on its exposure assessment, using its historic data, objective data, and/or initial and subsequent monitoring.
- 1.6.2.2 (Not Used)
- 1.6.2.3 (Not Used)
- 1.6.2.4 Initial and subsequent monitoring shall conform to 29 CFR 1926.62(d).
- 1.6.2.5 The contractor shall review and update the program at least every six months, and shall submit revisions or a certification that no revisions are necessary to the Contracting Officer.

1.6.3 **Environmental Monitoring Program**

- 1.6.3.1 Submit a statement describing the proposed environmental monitoring program, including:
 - 1.6.3.1.1 The names of the industrial hygienist(s) and, where used, industrial hygiene technician(s) taking samples, the type(s) of sampling equipment and procedures, sampling schedules, analytical method(s) for air, calibration equipment and procedures, chain-of-custody procedures and documentation, laboratory and analyst qualifications, and record keeping program.
 - 1.6.3.1.2 The identification and qualifications of analytical laboratory(ies) and personnel. Each laboratory used shall be accredited by the American Industrial Hygiene Association's (AIHA) Industrial Hygiene Laboratory Accreditation Program for metals on filters for airborne lead samples; wipe and paint scraping samples shall be analyzed by a laboratory qualified by the AIHA's Environmental Lead Proficiency Analysis Testing Program.
 - 1.6.3.1.3 The analytical quality assurance program shall provide that complete explanations shall be given to the Contracting Officer at the time that analytical results are delivered for any samples found to be contaminated or damaged, and for any air samples which are voided or judged to be of uncertain or suspicious quality.

1.6.4 **Certification of medical examination**

1.6.4.1 The contractor shall provide a statement describing the proposed work force, including certification that each person under the supervisory control of the contractor who may be occupationally exposed to airborne lead levels above the OSHA action level under this contract has been examined by a licensed physician within the past year. The physician shall have certified that each such worker has been found to be medically suited to perform LBP abatement work, that the worker's blood leads levels are less than 40 micrograms per deciliter, and that the worker can wear a respirator and impervious garments while performing vigorous physical labor. Minimum qualifications are as specified in 29 CFR 1926.62 and, where applicable, State regulations.

1.6.5 (Not Used)

1.6.6 **Emergencies**

1.6.6.1 The contractor shall develop procedures to be followed in the event of untoward circumstances including, but not limited, to fire, electric shock, life-threatening bodily injury inside or outside of the work area, the detection of airborne lead levels that exceed the OSHA action level outside the work area or of levels in the work area exceeding those for which respiratory protection has been provided, or splitting/spilling of lead waste bags in-route to the waste truck.

1.6.6.2 Contact information, including a list of names and telephone numbers (with area codes) of the contractor's contact persons, the Contracting Officer, the Building Manager, fire department, police department, general emergency number (if used), local hospital or similar emergency care unit, and any other contact persons as designated by the Contracting Officer and/or Building Manager shall be available to the contractor's employees at all times work is performed. A copy of this emergency contact information is to be kept at the job site, available for inspection by the Contracting Officer and/or Authorized Visitors, and updated as required.

1.6.7 **Materials**

1.6.7.1 Submit the Material Safety Data Sheets (MSDSs) for any materials brought to the facility, for which MSDSs are provided.

1.6.8 **Organization of work**

1.6.8.1 Submit a statement describing the proposed organization of the work described in this section, including:

1.6.8.1.1 Sequencing of work.

1.6.8.1.2 Length and projected times of day of work shifts.

1.6.8.1.3 Interface of trades involved in the work.

1.6.9 **Project notifications**

1.6.9.1 (Not Used)

1.6.9.2 (Not Used)

1.6.9.3 Documentation that all required permits, certificates, licenses, and other arrangements for transportation, treatment, storage and disposal and in accordance with applicable regulations in one or more approved sites have been obtained. Proof that hazardous waste treatment, storage, transportation and disposal complies with the Resource Conservation and Recovery Act (RCRA) requirements under 40 CFR 260-299.

1.6.9.4 A statement that all commercial licenses required, if any, have been procured by the contractor, who will comply with their provisions, holding the Government harmless for deficiencies and/or failures thereto.

1.6.9.5 A description of the arrangement for posting the contractor's air monitoring sampling analytical data and updating the posting when necessary. This information shall be available for inspection by the Contracting Officer and/or representatives, Authorized Visitors, and Government building occupants.

1.7 INSPECTIONS AND MONITORING BY THE CONTRACTING OFFICER

1.7.1 Site visits and inspections

1.7.1.1 The Contracting Officer may conduct site visits and inspections. The Contracting Officer may perform worker and/or area air sampling inside and immediately adjacent to the work area during work. The Contracting Officer may take wipe samples to determine if the contractor is maintaining surfaces of hygiene facilities (e.g., change areas, storage facilities, lunchrooms or eating areas) or occupied work areas outside the lead abatement work site free from lead contamination. A level of 200 micrograms per square foot

($\mu\text{g}/\text{ft}^2$) or less will be used as an indication that the area is free of contamination.

1.7.2 Sampling of other building areas

1.7.2.1 The Contracting Officer may sample other building areas during work to assess the potential exposures to Government staff, building tenants, and visitors.

1.7.3 Inspection of work

1.7.3.1 The Contracting Officer may inspect the project including integrity of protective coverings; plumbing; electrical equipment safety and grounding; worker protection program; air monitoring program; performance of abatement measures including work area preparation, removal, and disposal; emergency equipment and procedures; and conformance to EPA, OSHA, DOT, State environmental and occupational safety and health agency (where applicable) and other Government requirements.

1.7.4 Corrective action

1.7.4.1 If, at any time, the Contracting Officer determines that contractor practices or procedures are in violation of the provisions of this contract or are endangering workers, tenants, the general public or the facility, the Contracting Officer will notify the contractor orally that corrective action shall be taken. The contractor shall not be allowed any extension of time or compensation for damages by reason of or in connection with such work stoppages.

1.7.5 Exceeding lead concentrations

1.7.5.1 If worker or work area lead concentrations are measured above the Permissible Exposure Level (PEL) or concentrations outside of the work area are at or above the OSHA action level, all abatement work in that work area shall stop and the contractor shall undertake corrective action as approved by the Contracting Officer. The contractor may resume abatement work in that area only after it receives written authorization from the Contracting Officer. The contractor shall not be allowed any extension of time or compensation for damages by reason of or in connection with such work stoppages.

1.7.6 Certification of completion of work

1.7.6.1 The Contractor shall collect wipe samples of areas described within this section as requiring HEPA-vacuuuming and/or wet-wiping following the cleaning of those surfaces.

1.7.7 Wipe samples

- 1.7.7.1 The Contracting Officer will take post-abatement surface wipes to determine if the contractor has met the clearance criteria. The Contracting Officer will notify the contractor if additional cleaning is required based on sampling results.

PART 2 PRODUCTS

2.1 PRODUCTS - GENERAL

- 2.1.1 All materials shall be delivered in the original packages, containers, or bundles, bearing the name of the manufacturer, the brand name and any Material Safety Data Sheets which pertain to the materials.
- 2.1.2 All materials subject to damage shall be stored off the ground, away from wet or damp surfaces, and under cover sufficient to prevent damage or contamination.
- 2.1.3 Damaged or deteriorating materials shall not be used and shall be removed from the premises. Materials that become contaminated with lead which cannot be decontaminated shall be disposed of in accordance with applicable regulations.
- 2.1.4 No materials, equipment or tools belonging to the Government shall be used by the contractor, except in case of an emergency upon explicit authorization by the Contracting Officer.

2.2 MATERIALS

- 2.2.1 Trisodium Phosphate (TSP), a phosphate-containing detergent, or a phosphate-free lead-dissolving detergent for use in wet-wiping surfaces to be decontaminated.
- 2.2.3 (Not Used)
- 2.2.4 (Not Used)
- 2.2.5 (Not Used)
- 2.2.6 Plastic
 - 2.2.6.1 Plastic bags shall be 6 mil (0.15 mm) minimum polyethylene, or sufficiently thicker for large bags so as to prevent release of lead dust through tearing, separation or other reasonably foreseeable means. Bags shall be labeled with OSHA lead warning and DOT classification or capable of being so labeled (29 CFR 1926.62(1)(1)(i) and 40 CFR 262.31).

2.2.6.2 Plastic sheeting shall be polyethylene sized in lengths and widths to minimize the frequency of joints. The minimum thickness shall be that which prevents release of lead through tearing, separation or other reasonable foreseeable means. Minimum thickness for sheeting is specified for specific operations in this contract.

2.2.7 Packaging

2.2.7.1 Lead-disposal packaging shall be suitable to receive and retain any lead-contaminated materials until disposal or conversion at an approved site. The packaging shall be both air and water tight.

2.2.7.2 Packaging of lead-contaminated material shall be packaged, labeled, and marked, and placarded (if required) in accordance with regulations of EPA (e.g., 40 CFR 262.30-33), and DOT (e.g., 49 CFR 172), and State or local occupational safety and health, or environmental agencies, where applicable, and this contract.

2.3 TOOLS AND EQUIPMENT

2.3.1 (Not Used)

2.3.2 HEPA Negative Air Machines

2.3.2.1 HEPA air filtration equipment to capture any airborne dust or contaminants shall be available.

2.3.3 HEPA vacuum equipment

2.3.3.1 Vacuum equipment used for cleaning shall be HEPA-filtered. At least one wet/dry HEPA vacuum shall be available and equipped with hard surface cleaning attachments.

2.3.4 (Not Used)

2.3.5 Transportation equipment

2.3.5.1 Transportation equipment shall be suitable for loading, temporary storage, transport, and unloading of lead-contaminated materials without exposure to persons or property. Shall be currently registered with the State for transport of hazardous wastes and be currently certified by the State for vehicle inspection.

2.3.6 Other equipment and tools

2.3.6.1 The contractor shall furnish all equipment such as lumber, nails, ladders, HEPA vacuums, and hardware and supplies which may be required to perform the work described in this section. The contractor shall provide other suitable tools for the abatement activities including but not limited to: hand scrapers, wire brushes, sponges, mops, and shovels.

2.3.7 Electrical tools and equipment

2.3.7.1 Electrical tools and equipment shall meet all applicable codes and regulations, including, in particular, 29 CFR 1910.304(f) (5) (v) and 29 CFR 1926.400-449.

2.3.7.2 Ground fault circuit-interrupters shall be used at all times for all electrical equipment, as permitted by the National Electrical Code (Paragraph 215-9 "Ground-Fault Protection for Personnel"); unless an assured equipment grounding conductor program is established.

PART 3 - EXECUTION

3.1 WORK AREA PREPARATION.

3.1.1 Electrical service coordination

3.1.1.1 The contractor shall coordinate all electrical service connections, requirements, and equipment with the Contracting Officer, who shall coordinate this activity with the GSA Building Manager. Service connections and electrical equipment shutdowns shall be coordinated with the Contracting Officer at least 10 days prior to commencement of work in the work area.

3.1.2 HVAC System

3.1.2.1 The contractor shall ensure that the building manager has disabled the HVAC or any other system bringing air into, out of, or through the work area. The contractor shall seal all intake and return vents with 6 mil (0.15 mm) plastic sheeting and tape.

3.1.3 Lighting, heating, and cooling

3.1.3.1 The contractor shall provide for adequate lighting, heating, and cooling of equipment during all phases of the set-up, abatement, and clean-up.

3.1.4 HEPA-filtered negative air

- 3.1.4.1 The contractor shall provide a minimum of three (3) HEPA-filtered negative air machines which will operate during all phases of execution of this project. The work area (Appendix A) will be divided into at least 3 sections with each machine being located to draw air from a different section. Air from the negative air machines shall be exhausted to the exterior of the building and the building's crawlspace.
- 3.1.4.2 The contractor shall monitor the machines and replace filters as advised by the manufacturer of the machine. Filters will be disposed of as lead-contaminated waste.
- 3.1.5 Warning signs
- 3.1.5.1 The contractor shall post adequate warning signs denoting the potential danger of lead at designated entrances to work areas including, as a minimum, those described at 29 CFR 1926.62(m), and State occupational safety and health and fire safety regulations, where applicable. The contractor shall prevent access to posted areas by unauthorized or inadequately protected persons.
- 3.1.6 Existing services
- 3.1.6.1 Existing services, facilities, and functions outside of the work area shall remain in-use throughout the abatement process, unless otherwise specified by the Contracting Officer. The Contracting Officer shall be immediately notified in the event of disruption.
- 3.1.7 Emergency Procedures
- 3.1.7.1 The contractor shall be prepared to administer first aid to injured personnel after decontamination. Seriously injured personnel shall be treated immediately or evacuated without delay for decontamination.
- 3.1.7.2 Adequate emergency lighting shall be available to permit safe egress of personnel from the work area in the event of a power failure.
- 3.1.7.3 The contractor may use Government equipment or materials only in an emergency under the provisions of this Section.
- 3.1.7.4 The contractor shall prepare a plan, train employees in emergency procedures to contain and clean up spills outside the work area, and implement the plan if an emergency occurs.
- 3.1.7.5 The contractor shall establish and maintain emergency exits from the work area.

3.1.7.6 The contractor shall maintain adequate portable fire extinguisher equipment within the work area meeting at least the requirements of 29 CFR 1910.157 and, where applicable, State occupational safety and health regulations and fire safety regulations.

3.2 WORK AREA ISOLATION

3.2.1 The work area shall be isolated from other parts of the building to ensure that airborne concentrations of lead will not reach or exceed the OSHA action level outside of the lead control area.

3.2.3 Decontamination

3.2.3.1 From the time the contractor is ready to begin LBP removal until all lead abatement work is complete, all personnel, equipment, materials, and waste containers leaving the work area shall be decontaminated as per this contract.

3.2.4 Toilet facilities

3.2.4.1 The Government will provide toilet facilities in the building outside of the work area, as coordinated with the Contracting Officer. Contractor workers and Authorized Visitors shall comply with the worker protection procedures of provisions of this contract when leaving the work area to use the toilets, and upon reentry into the work area, and shall comply with the Federal Property Management Regulations, especially 41 CFR Subpart 101-20.3, Conduct on Federal Property.

3.2.5 (Not Used)

3.2.6 Access to Work Area

3.2.6.1 The contractor shall limit access to the work area to its personnel, emergency personnel, applicable regulatory agency personnel, the Contracting Officer, and Authorized Visitors.

3.2.6.2 The contractor shall provide at least 2 sets of personal protective equipment specified under this contract per 8-hour work shift for Authorized Visitors.

3.2.6.3 All Authorized Visitors shall be subject to the worker protection provisions of this contract.

3.3 EMPLOYEE LEAD EXPOSURE ASSESSMENT AND AIR MONITORING REQUIREMENTS BY CONTRACTOR

3.3.1 Employee lead exposure assessment

- 3.3.1.1 The contractor shall perform an employee lead exposure assessment to determine if any employee is exposed to lead at or above the action level, in accordance with 29 CFR 1926.62(d).
- 3.3.1.2 Except as specifically exempted, the contractor shall collect personal samples, in accordance with 29 CFR 1926.62(d), representative of a full shift including at least one sample for the worker(s) with the potentially highest exposure level. Full shift personal samples shall be representative of the monitored employee's regular, daily exposure to lead. Worker samples shall be taken in the breathing zones of workers. Air sampling results shall be provided to the Contracting Officer **within 10 working days after sampling.**
- 3.3.2 (Not Used)
- 3.3.3 (Not Used)
- 3.3.4 Notification of Contracting Officer
- 3.3.4.1 The contractor shall notify the Contracting Officer immediately of exposure to lead at or above the OSHA Action Level outside of the lead control area, or above the OSHA PEL within the lead control. If either of these situations occur, all abatement work in that work area shall stop and the contractor shall undertake corrective action as approved by the Contracting Officer. The contractor may resume abatement work in that area only after it receives written authorization from the Contracting Officer. The contractor shall not be allowed any extension of time or compensation for damages by reason of or in connection with such work stoppages.
- 3.3.5 Air monitoring
- 3.3.5.1 All air monitoring shall be performed under the supervision of an industrial hygienist. Personnel and procedures are subject to approval of the Contracting Officer.
- 3.3.5.2 The contractor shall furnish and maintain all monitoring equipment and shall show calibration records as required by the Contracting Officer. The contractor shall bear all costs of air monitoring, analysis, and reporting required herein.
- 3.3.5.3 Documentation on each sample shall be as specified by the Contracting Officer and shall include at least the date and time, sample number, exact sampling location, printed name and signature of each sampler, a description of work being performed at the time of sampling, sampling rate, sampling volume.

- 3.3.5.4 The method of monitoring and analysis shall have an accuracy (to a confidence level of 95%) of not less than plus or minus 25 percent for airborne concentrations of lead equal to or greater than 30 microgram per cubic meter ($\mu\text{g}/\text{m}^3$).
- 3.3.5.5 Airborne lead samples shall be analyzed by a laboratory qualified by the American Industrial Hygiene Association's Laboratory Accreditation Program for metals on filters. The contractor shall submit signed permanent laboratory records of all analyses to the Contracting Officer within two weeks of the date of each analysis.
- 3.3.5.6 Documentation on each analysis shall be as specified by the Contracting Officer and shall include at least the date and time, sample number, name and signature of each analyst, analytical method, analytical results, limit of detection as per the analytical method, and printed name and signature of a responsible laboratory official.

3.4 PERSONAL PROTECTIVE EQUIPMENT REQUIREMENTS.

3.4.1 Interim procedures and personal protective equipment

3.4.1.1 Until the employee exposure assessment is complete, the following procedures and personal protective equipment shall be worn. The level of protection can be increased or reduced if determined by the employee exposure assessment.

3.4.1.2 Coveralls

3.4.1.2.1 Workers shall wear coveralls or similar full-body work clothing while performing all operations. If the likelihood of heat stress is significant, breathable disposable suits shall be used.

3.4.1.2.2 The contractor shall provide clean and dry protective clothing at least weekly, and daily if airborne lead levels exceed $200 \mu\text{g}/\text{m}^3$ as an 8-hour TWA. The contractor shall repair or replace coveralls as needed.

3.4.1.2.3 All contaminated protective clothing which is to be cleaned, laundered, or disposed of, shall be placed in a closed container, labeled in accordance with 29 CFR 1926.62(g)(2)(vii) in the change area.

3.4.1.2.4 The contractor shall provide for the cleaning, laundering, and disposal of protective clothing. The contractor shall inform in writing any person who cleans or launders protective clothing or equipment of the potentially harmful effects of exposure to lead.

3.4.1.3 Head and hair covering

3.4.1.3.1 Head and hair covering will be used when large amounts of dust, water, or aerosol are generated. Hard hats are required when there is a possible danger of head injury from impact, falling or flying objects, or electrical shock and burns. Head protection used shall comply with 29 CFR 1926.100.

3.4.1.4 Gloves

3.4.1.4.1 Gloves are required at all times.

3.4.1.5 Safety shoes

3.4.1.5.1 Steel-toe, steel-shanked safety boots with non-skid soles shall be worn. Disposable shoe coverlets shall be provided and worn to prevent the tracking of lead dust outside of the work area.

3.4.1.6 Eye and face protection

3.4.1.6.1 Face shields, vented goggles, or other appropriate protective equipment which complies with 29 CFR 1910.133, shall be used if an eye hazard exists.

3.4.1.7 Hearing protection

3.4.1.7.1 Hearing protection shall be required if operations produce noise levels that exceed OSHA permissible noise exposure levels given in 29 CFR 1926.52. Hearing protection selected shall control employee exposures to comply with OSHA permissible noise standards. If noise levels exceed OSHA permissible noise levels, employees shall be enrolled in a hearing conservation program, and trained in the proper fit and care of hearing protection equipment.

3.4.1.8 Respiratory protection

3.4.1.8.1 Appropriate respiratory protection shall be provided in accordance with 29 CFR 1926.62(f). Powered air-purifying respirators, equipped with HEPA/organic vapor cartridges shall be when using heat guns. All workers shall be fit tested according the protocols given in Appendix D of 29 CFR 1926.62.

3.4.1.8.1 The contractor shall select and provide at no cost to its employees the appropriate respirator as specified in 29 CFR 1926.62(f). The respirator selected shall be certified by the National Institute for Occupational Safety and Health.

- 3.4.1.8.2 The contractor shall provide a powered air-purifying respirator in lieu of any negative-pressure respirator whenever the worker chooses to use this type of respirator and the respirator will provide adequate protection to the worker.
- 3.4.1.8.3 As part of the contractor's Respiratory Protective Program, each worker shall be provided by the employer with a personally issued, properly fitted, and marked respirator and shall be trained in its proper use. For negative-pressure respirators, if permitted, each worker shall be provided with a selection of brands and sizes of respirators to be assured of finding one that fits properly. Workers shall check respirator fit each time the respirator is put on or adjusted.
- 3.4.1.8.4 Replacement filter cartridges shall be supplied by the employer as required, such as when filter loading increases breathing resistance to the point of discomfort.

3.5 WORKER PROTECTION PROCEDURES

3.5.1. Interim Controls

- 3.5.1.1 The contractor shall provide workers with the following interim controls until the employee exposure assessment is completed: change areas and hand washing facilities; biological monitoring, to consist of blood sampling and analysis for lead and zinc protoporphyrin (ZPP); and training on lead hazards, in addition to OSHA Hazard Communication Training. The level of controls shall be increased or decreased as determined by the initial or any additional employee exposure assessment.
- 3.5.1.2 In addition to these requirements for the prevention of exposure to lead, all normal safety requirements, including, but not limited to, eye protection, electrical safety and fall protection, shall be enforced.
- 3.5.1.3 Workers shall not eat, drink, smoke, chew tobacco or gum, or apply cosmetics while in the work area.
- 3.5.1.4 All worker protection procedures, including assurance of respirator fit, and decontamination procedures shall apply to all contractor employees and all Authorized Visitors, except in the event of emergency requiring entrance of emergency or security personnel, in which case respiratory protection alone need be provided.

3.6 CONTAMINATED EQUIPMENT, SHOWER, LUNCHROOM AND CLEAN AREAS

3.6.1 Contaminated equipment area

3.6.1.1 The contaminated equipment area shall be separated from the lead control area and shall include storage for contaminated clothing and equipment as needed, disposal facilities for contaminated personal protective equipment and a utility sink for decontamination of equipment.

3.6.2 Washing

3.6.2.1 The contractor shall provide adequate shower and hand/face washing facilities for workers regardless of lead levels. The washing facilities shall be near proximity of the lead work area and be equipped to enable workers to adequately remove harmful contaminants. Workers shall shower whenever they exit the lead abatement area.

3.6.3 Clean area room

3.6.3.1 The contractor shall ensure the secure and sanitary storage of workers' street clothing and valuables in the clean room. Change areas shall have separate storage facilities for street clothes and protective work clothing and equipment to prevent cross-contamination. Workers shall change into work clothes and shoes at the worksite. The clean area shall be kept clean and surface lead levels shall be kept below 200 $\mu\text{g}/\text{ft}^2$.

3.6.4 Eating area

3.6.4.1 The contractor shall provide a lunchroom or eating area if lead levels during the project exceed the OSHA lead PEL. The Contracting Officer will inform the contractor on the siting of the lunchroom or eating area. Lunchroom facilities or eating areas shall be kept clean and surface lead levels shall be maintained to below 200 $\mu\text{g}/\text{ft}^2$. Lunchrooms and eating areas shall be readily accessible to workers.

3.7 ENTRY AND EXITING PROCEDURES

3.7.1 Beginning of shift

3.7.1.1 Workers shall change out of their work clothes in the clean area and don personal protective clothing and equipment at the beginning of their shift.

3.7.2 Exiting procedures during the shift

3.7.2.1 When exiting the lead abatement area during the shift, workers shall vacuum themselves off with a HEPA vacuum. Workers may keep coveralls on, but shall remove other personal protective equipment and shoe coverlets in the contaminated equipment room. Workers shall wash their hands and face.

3.7.3 Exiting procedures at the end of the shift

3.7.3.1 When exiting the lead abatement area at the end of their shift, each worker shall remove lead dust from clothing and equipment before leaving the work area by using a HEPA vacuum. Workers shall proceed to the contaminated equipment room and remove all protective equipment and shoes. Each worker shall proceed to the washing area and remove all protective clothing. Swim trunks may be worn under disposable or other protective clothing, if desired. Workers shall then thoroughly wash and shampoo themselves. Following washing, each worker shall proceed directly to the change area and dry off. Each worker shall dress in the change area.

3.7.4 Contaminated work footwear

3.7.4.1 Contaminated work footwear shall be stored in the contaminated/equipment room when not in use in the work area. Upon completion of LBP abatement, the footwear shall be disposed of as contaminated waste or placed in a sealed and labeled plastic bag and either decontaminated or moved to the next job site if it cannot be decontaminated. If the shoes can be decontaminated, such as non-leather shoes, the shoes shall be thoroughly cleaned inside and out using soap and clean water before removal to the uncontaminated area.

3.8 SURFACE PREPARATION

3.8.1 The Contractor shall remove all debris from a route extending from the access door to the crawlspace on the east wall to the west wall, clearing a path approx. 15 feet wide (from the inside wall of the columns on the south to the inside wall of the columns on the north). At the west wall, clear a path to the south, approx. 15 feet wide, to a point approx. 15 feet beyond the work area. This area, known as the "Work Area," is shown by shading on the drawing in Appendix A. Nothing shall remain in this area which would prevent, preclude, or impede the pouring of a 4-inch (nominal) thick concrete pad.

3.8.2 Debris includes skids / pallets, boards, tubing, cloth, cardboard, boxes, etc. This material has not been tested for surface contamination. Therefore, it must be assumed to be contaminated with lead dust.

- 3.8.3 Contractor personnel moving the debris described above shall wear the appropriate personal protective equipment (PPE) as described in this section.
- 3.8.4 The debris removed from the "Work Area" will be neatly placed in the open area of the crawlspace to the north of the "Work Area."
- 3.8.5 After the debris has been removed from the "Work Area," the dirt floor of the "Work Area" will be leveled to the degree necessary to pour a 4-inch thick concrete pad.

3.9 DECONTAMINATION OF SURFACES

- 3.9.1 After all debris has been removed from the Work Area (Appendix A), all surfaces within the Work Zone, except the floor, shall be cleaned to remove any lead contamination.
- 3.9.1 Cleaning shall start at the ceilings and working down to the floors, by vacuum cleaning using a HEPA vacuum, followed by a wet cleaning with high-phosphate (trisodium phosphate) wash. The contractor may use a garden or similar type low pressure sprayer to wet all surface with a 5% to 10% trisodium phosphate cleaning solution. After wetting a surface, a wet and dry HEPA vacuum shall be used to vacuum the water from the surface. The waste water from clean-up shall be contained and disposed of according to this specification.
- 3.9.2 Surfaces to be cleaned include ceiling, walls, columns, duct work, piping, conduit, and mechanical equipment located within the Work Area (Appendix A).
- 3.10 INSTALLATION OF CEMENT PAD. After the decontamination phase has been completed, the contractor shall install a 4-inch thick, reinforced concrete pad consistent with current construction standards; it is anticipated the concrete will be pumped into the crawlspace. This pad will extend the width and length of the "Work Area." Concrete shall be poured up to the edge of the sump pit, but not in such a manner so as to interfere with removing or replacing the cover to the sump pit. Forms used to contain the concrete shall be constructed so that no part of the form extends above the surface of the concrete pad (constructed as such, the forms will not constitute a tripping hazard which will eliminate the necessity for the forms to be removed after the concrete is set).

3.11 CLEAN-UP

- 3.11.1 Daily cleaning requirements

3.11.1.1 The work site shall be cleaned at the end of each day's abatement activities. All equipment shall be cleaned by HEPA vacuuming and high-phosphate washing before removing from lead abatement area.

3.12.3 HEPA vacuum

3.12.3.1 The contractor's workers that operate the HEPA vacuum shall obtain training in the use of the HEPA vacuum from the manufacturer prior to use. The contractor shall use HEPA vacuum attachments, such as various size brushes, crevice tools, and angular tools for varied application, and service the HEPA vacuum routinely to assure proper operation. Caution shall be used any time the HEPA is opened for filter replacement or debris removal. Operators shall wear a full set of protective clothing and equipment, including respirators, when using the HEPA vacuuming equipment, or changing its bag or filter. The contractor shall bag and seal HEPA vacuum bags and filters in two 4-mil (0.10 mm) or one 6-mil (0.15 mm) plastic bags. Bags shall be labeled with OSHA lead warnings and DOT classification codes.

3.12.6 Liquid waste

3.12.6.1 The contractor shall contain and properly dispose of all liquid waste, including lead-contaminated water used in cleaning the abatement areas.

3.12.7 (Not Used)

3.12.8 (Not Used)

3.12.9 (Not Used)

3.13 DISPOSAL

3.13.1 Contacting regulating authorities

3.13.1.1 The contractor shall contact the regional EPA, State, and local authorities to determine lead-contaminated debris disposal requirements and comply with these requirements.

3.13.2 Uncontained debris

3.13.2.1 The contractor shall not leave uncontained debris outside, incinerate debris, dump waste by the road or in an unauthorized dumpster, or other container, or introduce lead-contaminated water, as determined by Toxicity Characteristic Leaching Procedure (TCLP) into storm or sanitary sewers. Waste water from showers and hand washing facilities do not require testing by TCLP. This waster

shall be filtered through a water filter with pore size of 5 micrometer or smaller, before discharge to the sanitary sewer (use of one or more larger pore sized pre-filters is permitted to minimize final filter clogging and filter changing costs). Any more stringent requirements of Federal, state, regional and local authorities governing the discharge of lead to the sewer system shall be followed.

3.13.3 Testing representative lead abatement wastes

3.13.3.1 The contractor shall test representative lead abatement wastes to determine if materials are regulated under RCRA, 40 CFR Part 261. The contractor shall use TCLP to determine if a lead contaminated material is covered under RCRA. If the TCLP determines that the lead concentration is 5 parts per million or greater, the waste is regulated by RCRA. The Contracting Officer may also take and analyze samples.

3.13.3.2 The following materials shall be tested to determine whether or not they are classified as hazardous waste or shall be presumed to be:

- Dust from HEPA filters and from damp sweeping.
- Rags, sponges, mops, HEPA filters, respirator cartridges, and other materials used for testing, abatement, and clean-up.
- Disposable work clothes and respirator filters.
- Any other items contaminated with lead.

3.13.4 Disposal of non-hazardous solid waste

3.13.4.1 The contractor shall dispose of non-hazardous solid waste (as determined by testing) as follows:

3.13.4.1.1 Solid waste which has been evaluated and determined not to be hazardous can be disposed of in a State-approved landfill. Large debris such as doors, windows, and trim shall be wrapped in 6-mil (0.15 mm) plastic, sealed with tape, and moved to the trash storage area. Small debris, such as disposable clothing, shall be placed in two 4-mil (0.10 mm) or one 6-mil (0.15 mm) plastic bags, sealed, and placed in the trash storage area.

3.13.4.1.2 Non-hazardous waste shall be transported to a state-and/or county-approved landfill in covered vehicles.

3.13.4.1.3 The contractor shall ensure that the waste material is adequately covered to ensure that no dust or debris is

released. Any waste-hauling or disposal subcontractor shall be informed by the contractor of the presence of lead.

3.13.5 Disposal of hazardous solid waste

3.13.5.1 The contractor shall dispose of hazardous solid waste (as determined by testing or presumptions) as follows:

3.13.5.1.1 The contractor shall comply with RCRA and applicable state and local hazardous waste regulations.

3.13.5.1.2 The contractor shall apply for or have an EPA identification number from the appropriate Regional EPA office if 100 kilograms (kg) or more of hazardous waste will be generated from the abatement process during any calendar month. If less than 100 kg in any month, the contractor shall obtain EPA generator numbers from the Contracting Officer for each property address.

3.13.5.1.3 The contractor will comply with EPA and DOT regulations for containers. The contractor shall contact the state and local authorities to determine their criteria for containers. The more stringent regulations shall apply.

3.13.5.1.4 If the contractor is not a certified hazardous waste transporter, it shall become one or enter into a contract with a certified transporter to transport the waste. The contractor shall require the certified hazardous waste transporter to follow RCRA regulations.

3.13.5.1.5 DOT Class 9 shipping labels shall be applied to or be printed on each packaging of lead-contaminated materials which is being shipped by air, exceeds 66 pounds (30 kg), or is smaller but does not have inner packaging up to 11 pounds (5 kg) or less in the strong outer packaging.

3.13.5.1.6 After the sealed double containers have been passed out of the lead abatement area, they shall immediately be placed in a cart approved by the Contracting Officer. When a sufficient number of containers have accumulated, the cart shall be taken to a specified transportation vehicle or a designated holding area and the containers shall be placed therein. Each vehicle transporting lead-contaminated waste shall be marked with Lead Contamination danger signs during loading and unloading of the waste.

3.13.6 Hazardous waste manifests.

3.13.6.1 Upon submitting the hazardous waste manifests for a shipment of lead-contaminated waste to the Contracting Officer for

signature, the contractor shall make available the transport vehicle and the lead-contaminated waste packages for inspection by the Contracting Officer so that the Contracting Officer can check for significant discrepancies in the amount of waste (for example, number of bags or drums, or volume of waste) and its condition (for example, whether the bags or drums appear to be sealed and not leaking).

3.13.6.2 Hazardous waste manifests signed by the Contracting Officer, the contractor, and the initial transporter shall be provided to the Contracting Officer when lead-contaminated wastes are removed from the facility property.

3.13.6.3 Completed waste manifest(s) signed by the contractor, all transporter(s), transferor(s), disposal and/or treatment facility(ies), shall be provided to the Contracting Officer within 30 days of the time at which the lead-contaminated wastes are received at the disposal and/or treatment facility(ies), which shall be no longer than 40 days after the waste was accepted by the initial transporter.

3.13.7 Contractor hazardous waste responsibilities

3.13.7.1 The contractor shall properly transport, treat, store, and dispose of lead-contaminated waste, and other hazardous wastes generated under the contract in accordance with all applicable regulations.

3.13.7.2 The contractor shall notify the National Response Center (800-424-8802) of the release of a reportable quantity of a hazardous substance generated in accordance with the contract (40 CFR 302.4 [Table], 302.6(a), (b)).

3.13.7.3 The contractor shall hold the Government harmless from any release or threat of release following its acceptance of any hazardous substance generated in accordance with the contract (CERCLA sections 101(20)(B)(i), 107(a)(4), (b), (e)).

3.14 RE-ESTABLISHMENT OF OBJECTS AND SYSTEMS

3.14.1 Follow-up work

3.14.1.1 When cleanup is complete the contractor shall perform follow-up work described below.

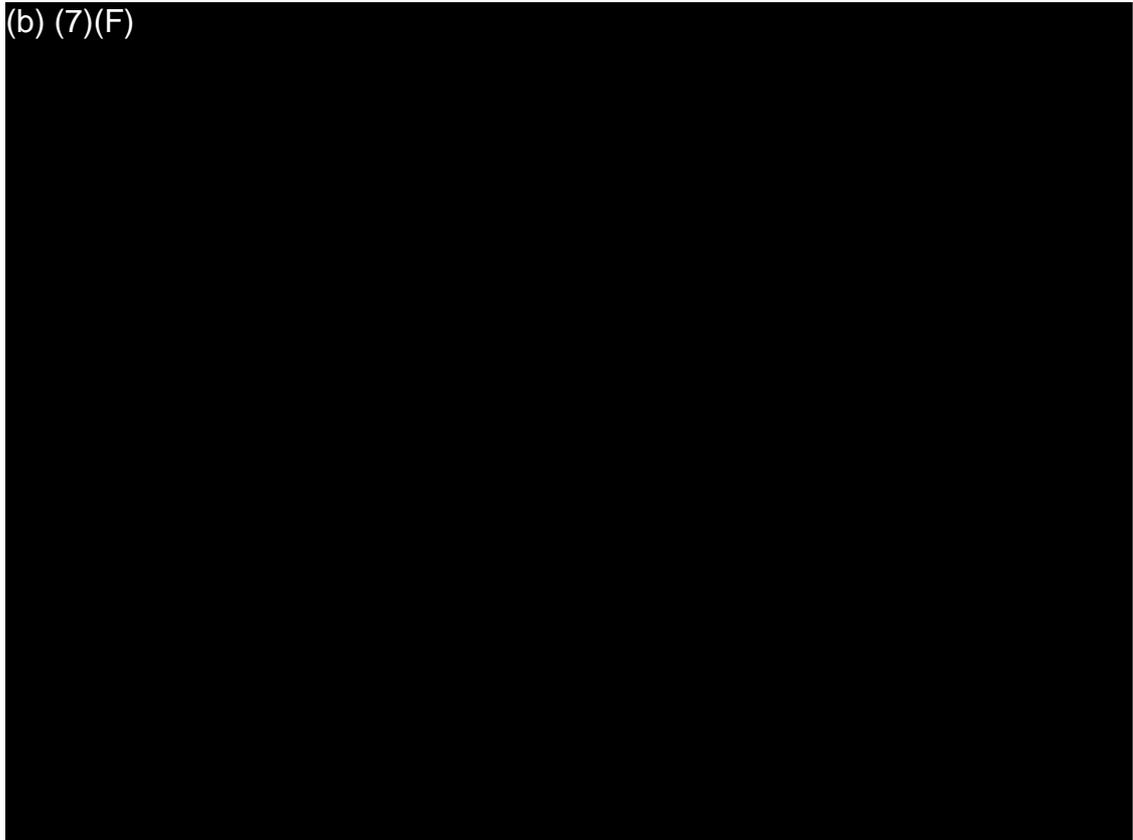
3.14.1.2 Any items moved from the work area in preparation for LBP abatement shall be replaced and reinstalled, with materials, finishes, location and workmanship to match existing conditions before the start of work, or as otherwise specified under this contract.

3.14.1.3 Heating, ventilation, air conditioning, mechanical, and electrical systems shall be reestablished in proper working order, with the coordination of the Contracting Officer.

Appendix A
Goodfellow Bldg. 103F Crawlspace

Photograph #1 was shot from a point inside the crawlspace looking towards the access door. The access path will extend from the access door to the wall behind from where the photo was shot, and will extend be the width of the area between the columns (arrow).

(b) (7)(F)

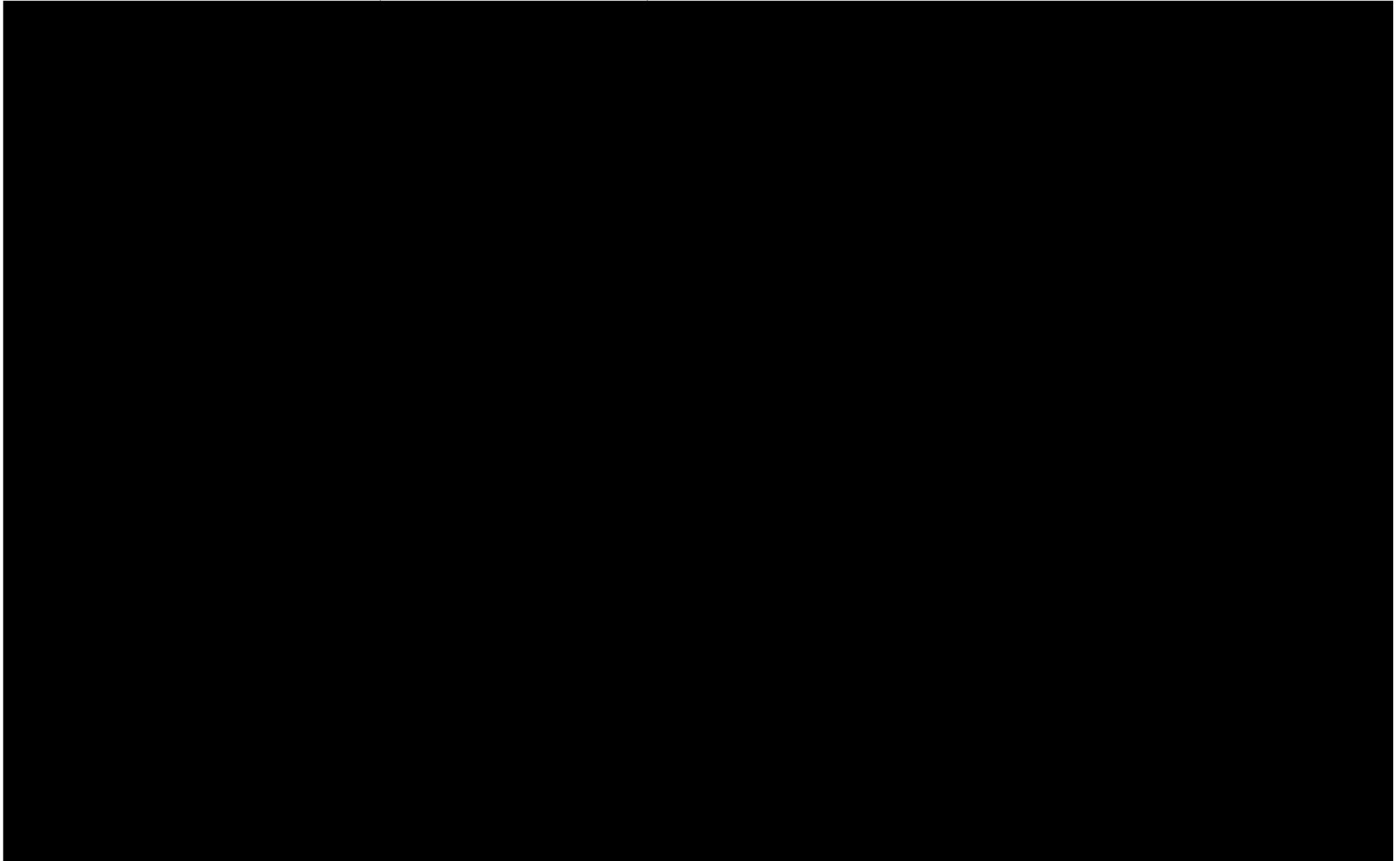


Photograph #2 shows the work area. The pad will extend from the wall on the right to the column on the left, and from a point approx. 15 feet beyond the sump pit shown in the foreground to connect to the access route (behind from where the cameraman is standing) shown in the Photograph #1.

(b) (7)(F)



GOODFELLOW FEDERAL CENTER, BLDG. 103F Cafeteria , Crawls ace

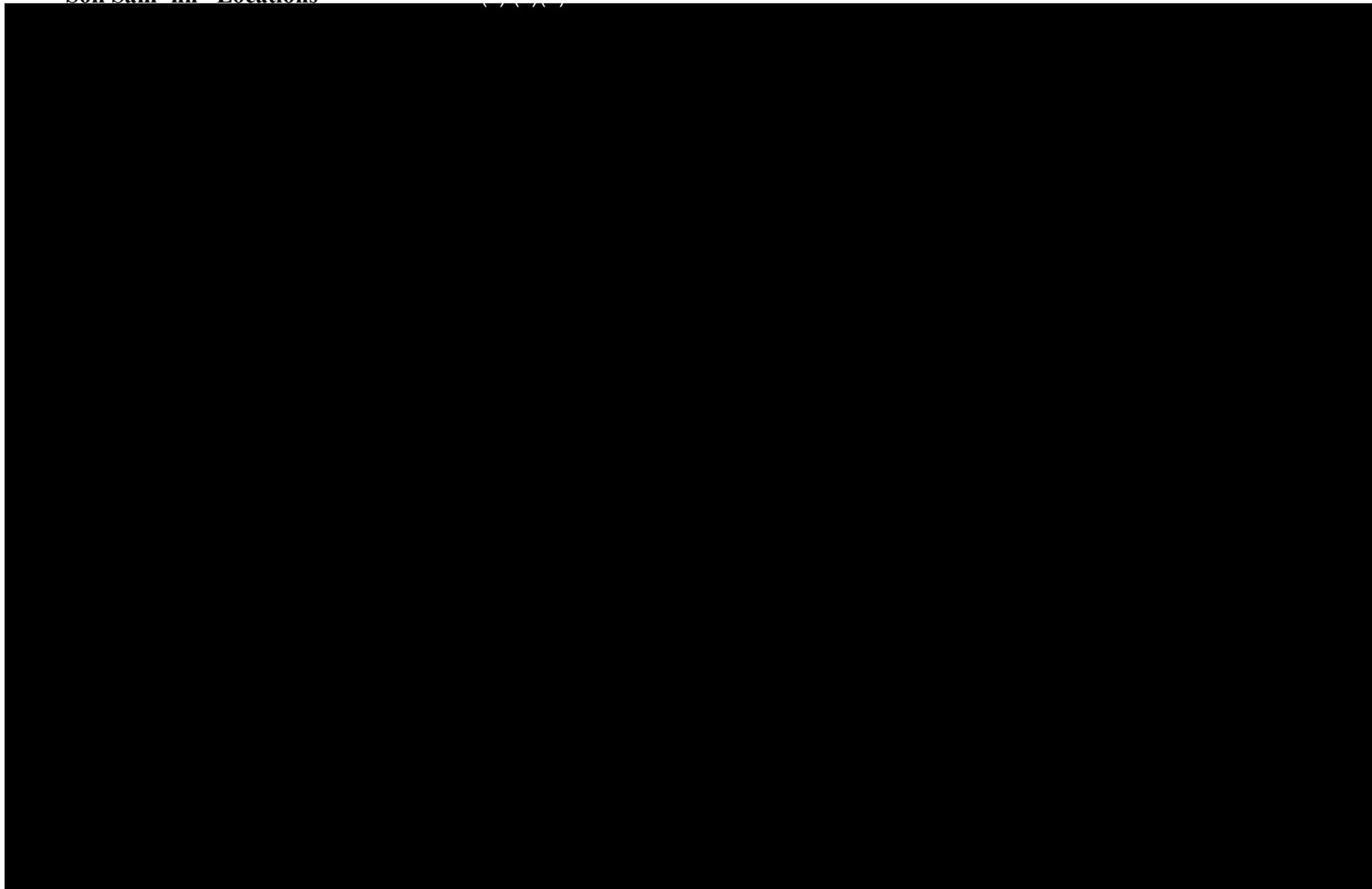


Wipe Sampling Locations

(b) (7)(F)



Soil Sampling Locations



SECTION 02075, APPENDIX B
 CHECKLIST OF BID SUBMITTALS
 FOR LEAD-BASED PAINT ABATEMENT CONTRACT OFFEROR

Cited by paragraph in Section 02075

Initial and date
 when item is received and
 when item is determined to be of acceptable quality.

	<u>Received</u>	<u>Accepted</u>
1.5 SUBMITTALS		
1.5.1.1 Qualification and experience	_____	_____
1.5.1.1.1 Length	_____	_____
1.5.1.1.2 Projects	_____	_____
1.5.2.1 Supervisors	_____	_____
1.5.2.1.1 Supervisory training	_____	_____
1.5.2.1.2 Supervisory experience	_____	_____
1.5.3.1 Workforce training and experience	_____	_____
1.5.4.1 Industrial hygienist(s)/technician	_____	_____
1.5.4.1.1 Industrial hygienist experience	_____	_____
1.5.4.1.2 Technician experience	_____	_____
1.5.5.1 Protective equipment	_____	_____
1.5.6.1 Medical surveillance	_____	_____
1.5.9.1 Regulatory/litigation/work status	_____	_____
1.5.9.1.1 Notices	_____	_____
1.5.9.1.2 Work stoppage	_____	_____
1.5.9.1.3 Termination	_____	_____
1.5.9.1.4 Litigation/arbitration	_____	_____
1.5.10.1 Insurance	_____	_____
1.5.10.1.1 Workers Compensation	_____	_____
1.5.10.1.2 Liability insurance	_____	_____

SECTION 02075, APPENDIX C
CHECKLIST OF PLAN OF ACTION
FOR LEAD-BASED PAINT ABATEMENT CONTRACTOR

Cited by paragraph in Section 02075

Initial and date
when item is received and
when item is determined to be of acceptable quality.

		<u>Received</u>	<u>Accepted</u>
1.6.1.1	Plan of Action	_____	_____
1.6.1.1.1	Overall statement	_____	_____
1.6.1.1.2	Safety and health	_____	_____
1.6.2.1	Lead Exposure Compliance Program	_____	_____
1.6.2.4	Monitoring	_____	_____
1.6.2.5	Review of program	_____	_____
1.6.3.1	Environmental monitoring program	_____	_____
1.6.3.1.1	Industrial hygiene	_____	_____
1.6.3.1.2	Laboratory qualification	_____	_____
1.6.3.1.3	Quality assurance	_____	_____
1.6.4.1	Certification of medical examination	_____	_____
1.6.6.1	Emergency procedures	_____	_____
1.6.6.2	Emergency contact information	_____	_____
1.6.7.1	MSDSs	_____	_____
1.6.8.1	Performance of work	_____	_____
1.6.8.1.1	Sequencing	_____	_____
1.6.8.1.2	Shifts	_____	_____
1.6.8.1.3	Interface of trades	_____	_____
1.6.9	Notifications	_____	_____
1.6.9.3	Commercial licenses	_____	_____
1.6.9.3	Data posting	_____	_____

END OF SECTION 02075