

Orangeburg County

Request for BID FY12-0625 Removal of Asbestos Council on Aging

Addendum No. 3 (herein referred to as "Addendum")

This Addendum revises the above-described procurement, and is hereby incorporated and made a part of the above-described procurement as if the Addendum had been included in the original procurement documents. Addendum posted on website at www.orangeburgcounty.org-Purchasing/Bids-Solicitations

The addendum is as follows: Project Design Report - July 5, 2012

**Asbestos Removal Project Design
(Black Mastic and Leveling Compound – Kitchen Area)
Council on Aging Building
Orangeburg County
2570 Saint Matthews Road
Orangeburg, South Carolina 29118**

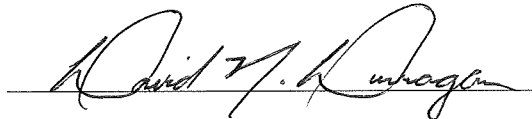
July 5, 2012

Prepared For:

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**Asbestos Removal Project Design
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Council on Aging Building
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2570 Saint Matthews Road
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1.0 INTRODUCTION

This asbestos project design has been done for the Council on Aging building (kitchen area only) located at 2570 Saint Matthews Road in Orangeburg, South Carolina.

A limited asbestos survey of the kitchen and social hall flooring revealed that all of the black mastics / leveling compound are ACMs. They are being abated so the building can be renovated (kitchen area only). All of these materials are considered friable (regulated) and should be removed accordingly. This project design has been completed at the request of the County of Orangeburg Division of Public Services.

Note that this project design addresses only the flooring in the kitchen area (to include an office and several storage rooms). The ACMs in the social hall are not being abated at this time.

2.0 SUMMARY OF WORK

2.1 General

The work consists of the removal and disposal of the asbestos-containing flooring materials (mastic / leveling compound). Please refer to the limited asbestos survey of the kitchen and social hall areas recently done by Compliance Centre in Appendix A. The flooring materials are in a damaged / disturbed condition and are considered friable ACMs.

2.2 Friable Asbestos-Containing Materials

The damaged / disturbed flooring materials are considered friable ACMs and must be removed and disposed of in accordance with the South Carolina Department of Health and Environmental Control's (SCDHEC) Asbestos Standard (Regulation 61-86.1), United States Environmental Protection Agency (EPA) National Emission Standard for Hazardous Air Pollutants (NESHAP) (40 CFR Part 61), and the Occupational Safety and Health Administration (OSHA) Asbestos Standard for the Construction Industry 29 CFR 1926.1101. The kitchen area will need to be put in containment covering the walls and ceilings with poly. Any criticals will need to be covered with two layers of 6-mil poly. The flooring materials should be removed in containment. (The mastic can be removed in containment or removed in a nonfriable manner after the containment has been cleared by way of TEM air monitoring results and broken down.) A five-stage decontamination unit should be set in front of the containment in the area deemed best by the asbestos supervisor. Standard air monitoring with a TEM clearance in accordance with SCDHEC Regulation 61-86.1 will be required.

Asbestos-Containing Flooring Mastic / Leveling Compound

The regulated materials will be removed by a method deemed best by the asbestos supervisor once containment has been established. All flooring materials will be contaminated with asbestos-containing mastic / leveling compound, so they should be treated as ACMs and handled / disposed of accordingly. Once the flooring materials are removed leveling only the mastic, the mastic should be removed using a solvent (mastic remover). Background, daily, and TEM post-abatement air monitoring will be necessary before, during, and after abatement. (Personnel air sampling in the worker's breathing zone is recommended as well.)

In accordance with SCDHEC Regulation 61-86.1, EPA NESHAP 40 CFR Part 61, and OSHA 29 CFR 1926.1101, these guidelines should be followed:

- Sufficient amended water will be used on the regulated materials to minimize the fiber count. Adequate water will be included in the disposal bags and drums.
- Air monitoring will be required. Phase contrast microscopy (PCM) is acceptable for background and area samples. Transmission electron microscopy (TEM) should be utilized for clearance samples.

- Appropriate asbestos warning signs and tape will be posted outside the regulated areas.
- Completed asbestos shipping labels should be applied to all bags before they are placed in the box truck or onsite storage trailer. An asbestos warning sign should be attached to the box truck or onsite storage trailer (where asbestos wastes are stored) and it should be locked during the time it is not in use.
- A five-stage decontamination unit should be constructed and attached to the entrance of the containment area.
- A waste loadout should be constructed and attached to the containment as well.
- The containment should be equipped with enough negative air machines to allow the air in the containment to turnover a minimum of four times per hour. Back-up negative air machines should be available to the abatement contractor in the event that a machine in use malfunctions.

2.3 Nonfriable Asbestos-Containing Materials

The mastic can be removed in containment (in a friable / regulated manner and disposed of as such) or removed in a nonfriable manner after the containment has been cleared by way of TEM air monitoring results and broken down (and disposed of as such). This is the contractor's decision, but it must be permitted properly by the abatement contractor with SCDHEC either way.

3.0 CONTRACTOR RESPONSIBILITIES

The contractor and building owner are bound by the conditions outlined in the contract. This includes the contractor meeting appropriate insurance requirements as specified in the contract prior to commencement of work.

The contractor is responsible for verifying the quantities and locations of the ACMs to be abated. This should be done prior to providing a bid to do the work.

In the event Contractor fails to complete work for this project, the owner may provide a partial payment. The applied unit cost for areas completed will be used to determine a partial payment amount.

The contractor should perform the work in compliance with all SCDHEC, EPA, and OSHA regulations. The contractor agrees to pay any fines assessed by any federal, state, or local agency against the Orangeburg County for any violations by the contractor or the contractor's personnel.

3.1 Permitting and Disposal of ACMs

Permitting: Permitting of this friable abatement project is the responsibility of the contractor. SCDHEC Form 3430 can be used. It is found in Appendix B. SCDHEC Form 3430 (friable work) should be submitted to the SCDHEC – Asbestos Section. The project will have a SCDHEC notification period of at least 10 business days prior to beginning the abatement. The fees associated with the permitting will be \$0.10 per square / linear / cubic foot. The contractor's bid should include this fee. A copy of the permit license from SCDHEC should be posted on the job site at all times during the project. The owner will be provided with a copy of the license after completion of the job.

Disposal: The contractor is responsible for transporting and disposing of all ACMs. The contractor is responsible for coordinating these activities and retaining all disposal manifests. Transportation and disposal costs should be included in the contractor's price to perform the job. An SCDHEC-approved landfill (approved to accept friable ACMs) should be denoted on the permit form(s) and used to dispose of the ACMs. A copy of the project license(s) must be presented at the landfill gate to dispose of the material. SCDHEC Form 3688 (Asbestos Waste Shipment Record) can be used by the contractor as a manifest. The contractor will supply copies of the disposal manifests to SCDHEC (as required by the permit) and to the owner.

3.2 Air Monitoring

Background, daily, and post-abatement area air monitoring will be required. The clearance samples should be analyzed utilizing TEM.

The person performing the monitoring will be a SCDHEC-licensed air sampler. If a laboratory is used to read the PCM samples, the laboratory performing the analyses will be independent from the contractor and NVLAP certified. Copies of the all background, daily, and post-abatement air monitoring results will be submitted to the owner and SCDHEC (if requested).

The contractor should have available OSHA Compliance (in accordance with 29 CFR 1926.1101) personal air monitoring for all work-related activities. Negative exposure assessments can be established / utilized for each different job type (when applicable – not applicable for surfacing and tsi materials).

3.3 Timely Completion of Project

The contractor must complete all removal, cleaning, and disposal within the time allotted by the contract. Failure to complete the work in the scheduled interval may result in dismissal of the contractor from the site.

3.4 Qualifications / Training of Personnel

All work will be performed by SCDHEC-licensed and AHERA-certified asbestos abatement personnel (workers and supervisors). No asbestos work will be performed by personnel not SCDHEC-licensed and AHERA-certified. The company performing the abatement work should be SCDHEC-licensed as well. Daily Sign-In Sheets (with printed names and signatures of all employees or individuals entering work areas suggested) indicating times and specific work areas for each employee and daily project logs (written by job superintendent detailing work activities, visitors, problems, accidents, and other pertinent information) should be created and maintained. Copies of licenses for all personnel working on this project, daily sign-in sheets, and daily project logs should be available at the job site for review by regulators and / or the owner.

3.5 Project Security

The contractor will ensure that the regulated areas of this project are secure and that no unauthorized personnel are allowed inside these areas while the work is in progress. Also, the asbestos wastes (inside box truck, trailer, and / or building) must be secured (locked) such that no unauthorized personnel can come in contact with it.

3.6 Submittals Required Before Project Begins

The following items should be submitted (or be available for review) to the owner's representative at least three days prior to beginning work on the project:

- Work Plan (brief) – describing approach to project, a projected schedule, packaging of ACMs, method of transportation of ACMs to landfill, and Material Safety Data Sheets (MSDS) sheets for all chemicals to be used
- SCDHEC license, *AHERA* Training Certificate, *and other pertinent information* for each worker or supervisor
- Resume of general superintendent - reference all relevant licenses, training, and experience for the past three years; provide contact telephone numbers
- Documentation for person performing area and OSHA compliance air sampling activities – SCDHEC license and training certificate
- Name of independent SCDHEC-licensed air sampler or independent NVLAP-certified laboratory (if applicable) who will analyze the air monitoring samples. Provide SCDHEC license and / or NVLAP certification for the individual and / or laboratory.
- SCDHEC Contractor Abatement license
- Name, address and phone number of any subcontractor to be utilized for any portion of the work on this project. Attach any required documentation (SCDHEC licenses, certificates, etc.) and describe subcontractor's duties and activities in the Work Plan.
- Copies of SCDHEC notification and SCDHEC Project License. Include a copy of the SCDHEC Notification of Asbestos Removal Project (Form 3430) and evidence that the permit fee has been paid to SCDHEC.
- Name and address of landfill to be utilized (should be indicated on SCDHEC notification) for disposal of the asbestos-containing wastes.
- Examples of forms to be utilized including Daily Sign-In Sheets, Daily Project Logs, Air Monitoring Collection Data Sheets, and all other forms to be used during the project and disposal activities

3.7 Miscellaneous

Conduct of Workers: No alcoholic beverages will be allowed on the Orangeburg County Council on Aging property. No employee or subcontractor of the contractor will be allowed on the property while impaired by the use of alcohol or drugs. Trash generated by contractor personnel (drink bottles, wrappers, etc.) is to be removed from the property at the end of each work day. Unacceptable conduct will be grounds for the worker to be dismissed from the job site.

Hold Harmless Agreement: The contractor shall indemnify (hold harmless) and defend Orangeburg County and any of their agents, employees, or officers from, and against, any and all losses, claims, judgments, including legal fees and expenses of any, and every, nature and description brought or recoverable against the abatement contractor or releases by reason of any act, intentional or otherwise, or employees, arising directly, or indirectly, from the nature of the work covered by this agreement, including but not limited to the removal.

Damage: The contractor is responsible for all damages (that are the fault of the contractor) rendered to the owner's property by the contractor's personnel, suppliers, and / or subcontractors. The contractor will repair or replace any damaged property before the owner will accept the work (and make payment).

4.0 PROJECT COMPLETION

Upon completion of the project, the contractor will submit copies of the following documentation to the owner:

- Landfill disposal manifests
- Landfill gate payment receipts
- Air monitoring results
- Contractor and key personnel SCDHEC licenses
- SCDHEC project license(s) and notification(s)

The contractor is to contact the owner once work has been completed. The owner or owner's representative will examine the work area in order to confirm that the identified ACMs have been removed and that the work has been completed in a satisfactory manner.

The contractor is responsible for notifying SCDHEC – Asbestos Section that the project has been completed. This notification should be done in writing. The contractor will provide SCDHEC – Asbestos Section with copies of the landfill disposal manifests, landfill gate payment receipts, air monitoring results (if requested), and SCDHEC project license(s). Orangeburg County (building owner) will be copied on this submittal and provided a complete copy for their records.

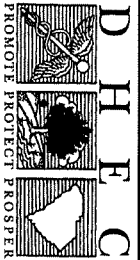
5.0 APPENDICES

APPENDIX A

Asbestos Inspection & Assessment Report

APPENDIX B

SCDHEC FORMS – 3430 & 3688



ASBESTOS ABATEMENT PROJECT LICENSE APPLICATION
BUREAU OF AIR QUALITY • ASBESTOS SECTION • 2600 BULL STREET • COLUMBIA • SC • 29201

TYPE OF OPERATION: Standard Removal Emergency Removal Enclosure Encapsulation Cleanup Disposal

FOR OFFICE USE
Postmark/Received:

Original / Revised / Cancellation (check one)

Project License I.D. (For Revisions/Cancellations):

I. FACILITY OWNER: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (____) _____

II. REMOVAL CONTRACTOR: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (____) _____

E-MAIL ADDRESS: _____ E-MAIL PERMIT OR MAIL PERMIT

FEDERAL I.D. NUMBER: _____

DHEC CONTRACTOR LICENSE NO. (if applicable): _____ EXPIRATION DATE: _____

III. FACILITY NAME: _____

STREET ADDRESS: _____

CITY: _____ STATE: _____ COUNTY: _____

SITE (ROOM, FLOOR, WING, UNIT, MACHINE, ETC.): _____

BUILDING SIZE: _____ NO. OF FLOORS: _____ AGE IN YEARS: _____

PRESENT USE: _____ PRIORITY USE: _____ FUTURE USE: _____

IV. PROCEDURES, INCLUDING ANALYTICAL METHOD IF APPROPRIATE, USED TO DETECT THE PRESENCE OF ASBESTOS MATERIAL:

FACILITY OR FACILITY COMPONENT SURVEYED BY (INSPECTOR NAME): _____

COMPANY: _____ PHONE: (____) _____

DHEC LICENSE NUMBER: _____ EXPIRATION DATE: _____

V. PROJECT DESIGN PERFORMED BY (IF APPLICABLE): _____

COMPANY: _____ PHONE: (____) _____

DHEC LICENSE NUMBER: _____ EXPIRATION DATE: _____

VI. ASBESTOS-CONTAINING MATERIALS (ACM) TO BE REMOVED ONLY:

TYPE (TSI, SURFACING, FLOORING, ROOFING, ETC.)	AMOUNT (SQUARE FEET, LINEAR FEET, CUBIC FEET)	CONDITION (CIRCLE ONE)
		<input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE
		<input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE
		<input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE
		<input type="checkbox"/> FRIABLE <input type="checkbox"/> NON-FRIABLE

VII. SCHEDULED DATES OF REMOVAL: START DATE: _____ COMPLETION DATE: _____

WORK DAYS: _____ WORK HOURS: _____

APPLICATIONS MUST BE SUBMITTED WITH FEES

PRIOR TO THE SCHEDULED START DATE AS FOLLOWS:

NESHAP PROJECTS: 10 WORKING DAYS **FEE SCHEDULE FOR FRIABLE ASBESTOS-CONTAINING**

SMALL PROJECTS: 4 WORKING DAYS **MATERIALS:**

MINOR PROJECTS: 2 WORKING DAYS 10 CENTS PER SQUARE FOOT OR LINEAR FOOT

Non-Friable (NESHAP-sized) Projects: 4 working days. No fee for non-friable ACM. MINIMUM FEE OF \$25.00

For additional information concerning regulatory requirements call or visit our Web site at <http://www.scdhec.gov/environment/baq/asbestos.aspx> MAXIMUM FEE OF \$1000.00

VIII. DESCRIPTION OF PLANNED ABATEMENT WORK & METHOD(S) TO BE USED:

IX. DESCRIPTION OF WORK PRACTICES & ENGINEERING CONTROLS TO BE USED TO PREVENT EMISSIONS OF ASBESTOS AT THE RENOVATION SITE:

X. WASTE TRANSPORTER #1: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (____) _____

WASTE TRANSPORTER #2: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (____) _____

XI. WASTE DISPOSAL SITE: _____

MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT PERSON: _____ PHONE: (____) _____

TEMPORARY ASBESTOS STORAGE CONTAINMENT AREA LICENSE NUMBER (IF APPLICABLE): _____

XII. DESCRIPTION OF EMERGENCY REMOVAL (PLEASE ATTACH A LETTER FROM THE FACILITY OWNER EXPLAINING THE NATURE OF THE EMERGENCY)

DATE & HOUR OF EMERGENCY (MM/DD/YY): _____

DESCRIPTION OF SUDDEN, UNEXPECTED EVENT:

EXPLANATION OF HOW THE EVENT CAUSED UNSAFE CONDITIONS AND/OR WOULD CAUSE EQUIPMENT DAMAGE AND/OR AN UNREASONABLE FINANCIAL BURDEN:

XIII. DESCRIPTION OF PROCEDURES TO BE FOLLOWED IN THE EVENT THAT UNEXPECTED ASBESTOS IS FOUND OR PREVIOUSLY NON-FRIABLE ASBESTOS MATERIAL BECOMES CRUMBLED, PULVERIZED OR REDUCED TO POWDER:

XIV. I CERTIFY THAT AN INDIVIDUAL TRAINED IN THE PROVISIONS OF REGULATION (40 CFR PART 61, SUBPART M) WILL BE ON-SITE DURING THE RENOVATION AND EVIDENCE THAT THE REQUIRED TRAINING HAS BEEN ACCOMPLISHED BY THIS PERSON WILL BE AVAILABLE FOR INSPECTION DURING NORMAL BUSINESS HOURS.

(SIGNATURE OF OWNER/OPERATOR)

(DATE)

XIV. I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT.

(SIGNATURE OF OWNER/OPERATOR)

(DATE)



Asbestos Waste Shipment Record

1. SCDHEC ASBESTOS ABATEMENT PROJECT LICENSE:

Generator Information

2. Waste Generator/Owner Name & Address:	Work Site Name & Physical Address:	Waste Generator/Owner Telephone Number ()
3. Abatement Contractor Name & Address:		Abatement Contractor Telephone Number ()

4. Name of waste disposal site (WDS), mailing address, and physical site location:	WDS Telephone Number: ()
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5. Description of Waste Materials (please circle): Friable (Regulated) / Nonfriable (Nonregulated)	6. Bags of Containers: No. Type Drums _____ Bags _____ Bulk Load	7. Total Quantity: m3 (yd ³)

8. Special handling instructions & additional information:

9. Generator/s/Contractor's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled. The contents are in all respects in proper condition for transport by highway according to applicable international and government regulations.

Print Name:	Signature:	Date:
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Transporter Information (Acknowledgment of Receipt of Materials):

10. Name, title, address, telephone number:	Signature:	Date:
11. Name, title, address, telephone number:	Signature:	Date:

Disposal Site Operator

12. Discrepancy:	Bags or Containers	Total Quantity
13. Waste Disposal Site Owner or Operator certification of receipt of asbestos materials covered by this manifest except as noted in item 11.		

Print Name:	Signature:	Date:
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Please forward a completed copy of this record to: SCDHEC, Bureau of Air Quality, Asbestos Section, 2600 Bull Street, Columbia, SC 29201
(803) 898-4389 office. (803) 898-4281 fax.

APPENDIX C

SCDHEC REGULATION 61-86.1