

**Asbestos Abatement Work Plan  
Project: 164 and 165 Diego Circle  
SESI Project Number: M22-496**

**Southern Earth Sciences, Inc.** is the Florida Licensed Asbestos Consultant for developing project specifications at the project site referenced above. This project calls for abatement of the following materials:

**164 Diego Circle**

Material	Location	Estimated Quantity
White Popcorn Ceiling Texture	Ceiling Throughout the Structure ( <i>Except Back Room on 1<sup>st</sup> Floor</i> )	1,300 SF
Black Flooring Mastic	Kitchen Floor	65 SF
Drywall System <sup>1</sup>	Walls and Ceiling Throughout the Structure	Not Quantified <sup>2</sup>
<sup>1</sup> = The composite point count of the drywall system indicated <1% asbestos present, however, OSHA does not allow composite samples. The point count of the joint compound by itself indicated 1.8% to 2.5% asbestos present. <sup>2</sup> = It is the contractors' responsibility to determine quantity of the drywall system.		

**165 Diego Circle**

Material	Location	Estimated Quantity
Drywall System <sup>1</sup>	Walls and Ceiling Throughout the Structure	Not Quantified <sup>2</sup>
<sup>1</sup> = The composite point count of the drywall system indicated <1% asbestos present, however, OSHA does not allow composite samples. The point count of the joint compound by itself indicated 1.3% to 1.5% asbestos present. <sup>2</sup> = It is the contractors' responsibility to determine quantity of the drywall system.		

Asbestos abatement must be performed by a Florida Licensed Asbestos Abatement Contractor with Florida trained personnel. ACM abatement must comply with the State of Florida Department of Business and Professional Regulation, Chapter 469, licensing, and training; Chapter 62-701.520, Waste Disposal Rules; Chapter 62-257, DEP 1999, Asbestos Program and OSHA 29 CFR 1926.1100 (Construction Industry Standard).

The abatement contractor will supply to the client the following submittals:

- 1) Current Florida Asbestos Abatement License
- 2) Current Florida Asbestos Worker and Supervisor Training certificates
- 3) Current Medical Statement showing Physician's recommendation for wearing respirators

- 4) Current Respiratory Fit test
- 5) Daily Containment Sign in sheet/log
- 6) Landfill Waste Manifest

All EPA (40CFR Part 61), OSHA (29CFR 1926.1101), state and local requirements shall be followed by the abatement contractor. Asbestos abatement industry standard practices shall be followed. The steps below should be considered the minimum allowed for performance of this work.

**Popcorn Ceiling Texture, Flooring Mastic & Drywall Abatement:**

All EPA (40CFR Part 61), OSHA (29CFR 1926.1101), state and local requirements shall be followed by the abatement contractor. Asbestos abatement industry standard practices shall be followed. The steps below should be considered the minimum allowed for performance of this work. All abatement work shall be performed within a negative pressure enclosure and under wet conditions. A decontamination chamber is required on this project. Minimum personnel protection required includes the use of positive air purifying respirators (PAPR) for the removal of the friable popcorn ceiling texture (*unless the contractor has a negative exposure assessment*) and at least negative pressure half-mask respirators and disposable clothing for the removal of the non-friable asbestos containing materials.

- 1) Establish a regulated area with barrier tape and asbestos signage. Limit access into the regulated area. Minimum PPE is required while working in the regulated area. The abatement contractor is responsible for controlling access to the regulated area. All personnel entering the containment are to sign release forms. The abatement contractor shall notify the owner's representatives and staff onsite as well as other contractors working on-site of the scope, duration and impact of work on the site.
- 2) Setup a decontamination enclosure with a clean room and equipment room. The decontamination enclosure will be used for access into the regulated areas, it can also be used for waste-out if needed, consisting of double layers of 6-mil polyethylene sheeting.
- 3) Ventilate the containment to move contaminated air away from the workers using an adequate number of NAMs provided with HEPA filtration to maintain the containment at -0.02"H<sub>2</sub>O with respect to the outside.
- 4) All containment penetrations shall be isolated by critical barriers; consisting of single layers of 6-mil poly (including doors, operable windows, ceiling penetrations, and vents).
- 5) Ensure that the HVAC systems are shut-down and locked-out.
- 6) All workers/supervisors shall wear appropriate personal protective equipment inside the

containment including, as a minimum, powered air purifying respirators (*for friable ACMs*), half-mask negative pressure respirators (*for non-friable ACMs*). The abatement contractor shall provide documentation of physicals and fit tests to the owner as part of the abatement package.

- 7) Appropriate signage shall be employed to prevent inadvertent exposure of non-abatement workers.
- 8) Materials and equipment that will not be removed from the area prior to abatement shall be cleaned and covered by 6-mil poly. Only HEPA equipped vacuums are to be used when vacuuming up debris.
- 9) All asbestos waste shall be double bagged in appropriately marked and labeled containers. The waste bags shall be removed from the containment and placed in a locking dumpster/box truck. The dumpster/box truck shall be appropriately marked while being used to store asbestos waste on site.
- 10) Proper safety precautions for worker protection shall be taken according to the manufacturer's MSDS / SDS for the product used.
- 11) The work area shall be inspected by the contractor's supervisor for adequacy of work and cleanliness.

### **Clearance Criteria**

Due to this being a demolition project and the buildings not being reoccupied, clearance air sampling may not be warranted. Escambia County may wish to have a third party such as SESI verify that the materials have been removed.

### **Disposal of Asbestos Waste**

Asbestos waste shall be sealed in leak-proof bags and drums labeled in accordance with Title 29, Code of Federal Regulations, Section 1926.1101 and CFR Parts 171 and 172, Hazardous Substances: Final Rule. Such bags and drums shall be removed daily from the buildings where work is in progress or shall be stored in approved locked van or truck. These containers must remain under the positive control of the Contractor and must never be left unattended or unsecured where unauthorized personnel could gain access.

Trucks hauling bags and drums shall be enclosed to prevent loss or damage to containers in route to approved landfill. Receipts including date, quantity of material and signature from authorized representative of landfill operator for all deliveries of waste material shall be delivered to the owner/general contractor. Contractor shall post warning signs on truck during loading and unloading operations.

Bags shall be labeled with the Owner's name and the city and state of origin.

**Regulations, Codes, and Standards:**

The current issue of each document shall govern. Where conflict among requirements or with these specifications exists, the more stringent requirements shall apply.

Title 29, Code of Federal Regulations, Section 1926.1101, Section 1910.145 and Section 1910.134. Occupational Safety and Health Administration (OSHA), US Department of Labor.

Title 40, Code of Federal Regulations, Part 61, Sub-parts A and M (revised Sub-part B), National Emission Standards for Hazardous Air Pollutants. US Environmental Protection Agency (EPA). 49 CFR Parts 171 and 172, Hazardous Substances: Final Rule.

END OF SPECIFICATION



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