**ASBESTOS Response Action AND ABATEMENT PLAN**

**for**

**lake county health department administration building**

**16410 U.S. Highway 441**

**eustis, lake County, florida**

Any regulated asbestos-containing material (RACM) must be abated, prior to demolition or renovation, in accordance with EPA NESHAP 40 CFR, Subpart M, Part 61.135 and with the engineering controls and work practices described in the OSHA Construction Standard 1926.1101. The abatement must be performed utilizing trained persons licensed in accordance with Chapter 469, Florida Statutes (FS).

RACM is identified as follows:

* Friable ACM
* Category I nonfriable ACM that has become friable
* Category I nonfriable ACM that will be or has been subject to sanding, grinding, cutting, or abrading
* Category II nonfriable ACM that has a high probability of becoming, or has become, crumbled, pulverized, or reduced to powder by the forces expected to act on such material

**1. Introduction**

* 1. This plan is an abbreviated description of required tasks to prepare for the removal of asbestos-containing materials (ACM) from the Lake County Health Department Administration Building, located at 16410 U.S. Highway 441, Eustis, Lake County, Florida; Lake County PO 20220239, Health Administration Asbestos Remediation Project.
	2. All work shall be performed in strict compliance with all federal, state, and local regulations and ordinances, and in a manner which conforms to the intent of all health and safety laws.

**2. Scope of Work**

2.1 A brief description of the work is as follows:

Lake County Health Department Administration Building – Removal of the following materials:

| **Material Description** | **Location** | **Percent/Type Asbestos** | **Condition** | **Amount - Square Feet (SF)** |
| --- | --- | --- | --- | --- |
| Spray-On Texturing Material (Popcorn Ceiling) | Throughout the facility | 2% Chrysotile | Fair | 9,995 SF |
| Black Duct Mastic | AHR 2, Receiving, and attic | 10% Chrysotile | Good | 100 SF\* |
| Wallboard/Joint Compound | Ceilings throughout the facility | 2% Chrysotile | Good | 10,000 SF |
| Ceiling Tiles | Ceilings throughout the facility | Not sampled - ACM debris impacted by Spray-On Texturing Material | Good | 9,320 SF |
| Debris from Spray-On Texturing Material | AHR 1 | Not sampled - material identified during inspection | -- | 8 SF |
| Wallboard/Joint Compound | Interior walls located throughout the facility | <0.25% Chrysotile | Good | 19,968 SF |
|  |  |  |  |  |

\* Additional black HVAC mastic may exist above the wallboard ceiling; however, this material was not accessible at the time of inspection.

Proper personal protective equipment (PPE) should be used, and containment and air monitoring should be performed to assure that fibers are not released to the environment. Interior isolation criteria will be required for work inside the structure and exterior containment criteria will be required for work outside the structure.

**3. General Requirements**

* 1. Existing conditions are reflected correctly to the best of the County Representative’s knowledge.
	2. In the event that conditions are encountered in the field which were not identified in the Work Plan, the County’s Representative shall be notified immediately.
	3. In the event that additional black HVAC mastic is identified during abatement activities above the wallboard ceiling, work shall stop and the additional quantities shall be verified by the Contractor and the County’s Representative. The Contractor shall submit a change order to the County for the abatement of the additional materials.
	4. Modifications to the Work Plan can be made in writing by the County’s Representative.
	5. If the Contractor proceeds, without written notification from the County’s Representative, the Contractor shall be solely and completely responsible for those efforts.

**4. Project Coordination**

4.1 The project will be coordinated with the County’s Asbestos Program Manager (APM) in conjunction with the County’s Representative. The Contractor shall perform no work unless approval by the County or the County’s Representative has been received. Under no circumstances shall a Contractor disrupt the daily activities of any facility/building without the prior approval of the County.

4.2 Power and water service is available at the site. The Contractor may, at their discretion, make provisions for additional services as deemed necessary.

4.3 The Contractor shall not perform any work in the absence of the County’s Representative, who shall decide, in absolute discretion, as to the meaning and applicability of any part of the Work Plan for the Asbestos Abatement.

4.4 All project related documentation including Pre-job Submittals, Project Quotes, FDEP Notifications, Post-Job Submittals, application for final payment, etc., shall include the County’s Project Number as specified in Section 1.1 of this Work Plan.

4.5 Prior to commencement of work, the Contractor shall submit one copy of the required information to the County’s Representative. No work will be allowed to commence without the required submittals.

4.6 Notifications for abatement or demolition shall be sent to the proper authorities via certified mail – return receipt requested. A copy of the signed return receipt shall be included as part of the project file.

**5. Asbestos Abatement Requirements**

5.1 Personnel and Respiratory Protection. During isolation and preparation of the Work Area(s), a half-face negative pressure air-purifying respirator (APR) shall be the minimum required protection. Additional respiratory protection during abatement activities may be required as determined by the County’s Representative.

5.2 Personal Protection Equipment (PPE). PPE shall consist of hoods, gloves, boots, and disposable coveralls during all isolation, preparation, and abatement activities.

5.3 All abatement methods shall conform to the requirements as specified in the Work Plan.

5.4 No asbestos abatement activities shall be performed without prior approval of the County’s Representative.

**6. Air Sampling Protocol**

The following air sampling strategy shall be complied with during the project delineated in the SOW of this Work Plan.

6.1 Air sampling protocol before, during, and after the removal of all asbestos work areas shall include pre‑abatement air sampling, post-abatement air sampling (in those areas subject to negative pressure during removal for clearance sampling), and daily air samples to be completed by the County’s Asbestos Consultant. All air samples shall be analyzed using phase contrast microscopy (PCM) in accordance with the NIOSH 7400 Analytical Method. All air pumps shall be fitted with 25 mm ester cellulose filter cassettes.

6.2 Personnel air monitoring:  A minimum of three personnel air samples shall be collected for the purposes of determining time weighted averages (TWA) and excursion limit (EL). Personnel air samples shall be collected from the breathing zone of a minimum of 25 percent of the abatement workers performing asbestos removal activities. Personnel samples are the responsibility of the Contractor and will not be supplied by the County’s Representative as a means of meeting OSHA requirements.

**7. Disposal of Asbestos-Containing Material Waste**

7.1 Disposal of ACM waste shall be in strict compliance with State and Federal Regulations.  All material shall be placed in a closed top pushcart, or equal, before being taken outside the Work Area. In no case shall asbestos waste containers be carried unprotected from the Work Area where the distance to the dumpster or transport is more than a 50‑foot distance.

**8. Post-Job Submittals**

8.1 After successful completion of the project, submit one copy of the required documentation to the County’s Representative.  Final payment to the Contractor will not be made until the required Post-Job Submittals have been received and approved by the County’s Representative.  All submittals must be received by the County’s Representative within 10 calendar days of the project completion.

**End of Work Plan**