



**SECTION 16**

**ASBESTOS WORK PROVISIONS**



## 1. ASBESTOS WORK PROVISIONS

- A. **OSHA REFERENCE:** 1910.1001
- B. **Application:** This policy shall apply to all contractors and their subcontractors working with Asbestos Containing Material (ACM) at company project sites. ACM is defined as any material containing greater than 1-% asbestos. These requirements shall be in addition to any requirements specified in the Site Safety Manual, Client Safety Manual, or Contractor Safety Manual.
- Note: Any material suspected to be asbestos must be reported to the owner. The owner will then make a determination as to the asbestos content and make arrangements to have it removed if positive.**
- C. **Definitions:** “Asbestos” includes chrysotile, amosite, crocidolite, tremolite asbestos, anthophyllite asbestos, actinolite asbestos, and any of these minerals that have been chemically treated and/or altered.
1. “Surfacing materials” means materials that is sprayed, troweled-on or otherwise applied to surfaces (such as acoustical plaster on ceilings and fireproofing materials on structural members, and other purposes).
  2. “Presumed asbestos containing material” means thermal system insulation and surfacing material found in buildings constructed no later than 1980.
  3. “Friable” means that the material can be crumbled with hand pressure and is therefore likely to emit fibers. The fibrous or fluffy sprayed-on materials used for fireproofing, insulation, or sound proofing are considered to be friable, and they readily release airborne fibers if disturbed.
  4. “Non-Friable” means that materials do not emit airborne fibers unless subjected to sanding or sawing operations. Asbestos-cement pipe or sheet can emit airborne fibers if the materials are cut, abraded or sawed, or if they are broken during demolition operations. Materials such as vinyl-asbestos floor tile or roofing felts are considered non-friable.
- D. **Scope:** Regulated asbestos work includes but is not limited to the following:
1. Demolition or salvage of structures where ACM is present.
  2. Removal or encapsulation of ACM
  3. Construction, alteration, repair, maintenance, or renovation of structures, substrates, or portions thereof that contains ACM.



4. Installation of ACM products
5. Asbestos spill/emergency cleanup
6. Transportation, disposal, storage, containment of, and housekeeping activities involving asbestos or products containing asbestos, on the site or location at which the construction activities are performed.

### **E. Regulations:**

1. All Federal, State, or Local Occupational Safety and Health Standards.
2. All Federal, State, or Local Environmental Regulations for air quality and disposal.
3. All Federal, State, or Local Transportation of Hazardous Waste Requirements.
4. All Federal, State, or Local Asbestos Worker licensing requirements.
5. All client specified Safety, Health, and Environmental Regulations.

### **F. Time Weighted Average:**

1. The employer shall ensure that no employee is exposed to an airborne concentration of asbestos in excess of 0.1 fiber per cubic centimeter of air as an eight (8)-hour time-weighted average.
  - a) Determinations of employee exposure shall be made from breathing zone air samples that are representative of the 8-hour TWA and 30-minute short-term exposure of each employee.
  - b) The employer is responsible for setting up initial monitoring for all employees who are exposed to airborne concentrations at or above the TWA permissible exposure limits.
  - c) Additional monitoring shall take place and a written program developed whenever there has been a change in the production, process, control equipment, personnel or work practices that may result in new or additional exposures above the TWA permissible exposure limit and/or excursion limit or when the employer has any reason to suspect that a change may result in new or additional exposure above the PEL.
  - d) All employee monitoring shall be in accordance with 1910.1001 Appendix A.



**G. Documents Submission:**

1. **The following documentation shall be provided prior to the award of contract for all asbestos contractors and lower tier subcontractors. These documents will be reviewed periodically, as required, and during the performance of work.**
  - a) Contractor Qualification Questionnaire and associated documents.
  - b) Certificate of Insurance for General Liability, Auto and Workers Compensation with any applicable asbestos removal endorsements. Certificates must include Maul Electric, Inc, and the client as additionally insured.
  - c) Designation of Competent Person responsible for daily supervision of asbestos work and documentation of qualification.
  - d) Safety Manual to include:
    - (1) Medically approved respiratory protection program with copy of medical certification.
    - (2) Site specific asbestos work practice and plan.
    - (3) Specific training program for asbestos workers.
    - (4) A copy of all citation issued for asbestos work or disposal violations for the past three years.
    - (5) A copy of the Contractor Substance Abuse Program and, if applicable, the DOT mandated Employee Drug Abuse Program and Employee Alcohol Misuse Prevention Plan.
  - e) Environmental Monitoring firm and testing lab information to include:
    - (1) Name of selected Environmental Monitoring Firm.
    - (2) Sampling Protocol.
    - (3) Certificate of Qualification for Certified Industrial Hygienist of Industrial Hygienist conducting sampling.
    - (4) Name of selected certified sampling testing facility.
    - (5) Copy of current testing facility certifications.
    - (6) Statement of guaranteed test result turn-around time for personal monitoring and perimeter monitoring.
    - (7) A copy of testing facility sample protocol.
2. **The following documents will be provided post contract award and prior to beginning any work.**



- a) All Federal, State, or Local permits for work, removal, and/or disposal.
- b) By name certification that all employees on site have completed substance abuse testing with negative results.
- c) Written certification, by name and social security number, that all employees have completed medical evaluation and qualification for asbestos work and respiratory protective equipment use.
- d) Written certification, by name and social security number, indicating the date and method used to determine qualification of employees for asbestos work.
- e) Photocopies of current Federal, State, or Local asbestos worker licensing.
- f) Approved Site Safety Plan and signed documentation of employee site safety orientation.

### **H. PROVISION OF MEDICAL EVALUATION/EXAMINATION AND PERSONAL PROTECTIVE EQUIPMENT:**

1. The contractor will provide, free of cost to employees, all required medical evaluations, examinations, and personal protective equipment.

### **I. RECORDS REVIEW AND RETENTION:**

1. The following documents will be made available for review and/or inspection to any Federal, State, and/or Local regulatory agency; the Client Designated Representative; Maul Electric's Safety Director; contractor employees or designated employee, representative; subcontractors and their employees or designated employee representative.

- g) All Industrial Hygiene and Environmental Monitoring Data.
- h) All Manifests and Hazardous Waste Disposal Documents.

2. All records will be retained in accordance with Federal, State, and/or, Local regulation. In the event of conflicting retention time requirements, the longest duration specified shall be followed.

### **J. Regulated Areas:**

1. Regulated areas shall be demarcated from the rest of the workplace in any manner that minimizes the number of persons who will be exposed to asbestos.
2. Only authorized persons shall be allowed to enter area.
3. If employees working immediately adjacent to a Class I asbestos jobs are exposed to asbestos due to the inadequate containment



of such job, their employer shall either remove the employees from the area until the enclosure breach is repaired; or perform an initial exposure assessment pursuant to 1926.1101(f).

### K. Controls:

1. It is the responsibility of the employer to institute engineering controls to bring employee exposure below the TWA.
2. Each employee entering a regulated area shall be furnished with but limited to and be required to use full face respirator with appropriate cartridges, tyvek suit with head covering, and gloves.
3. Employees will be prohibited from eating, drinking, or chewing tobacco in designated areas.
4. All hand-operated and power-operated tools which would produce or release fibers of asbestos shall be provided with local exhaust ventilation systems.
5. ACM shall be worked in a wet state sufficient to prevent the emission of airborne fibers so as to expose employees to levels in excess of the TWA.
6. ACM shall not be removed from the designated area without being either wetted, or enclosed, or ventilated so as to prevent effectively the release of airborne fibers.
7. Compressed air shall not be used in the removal of ACM.
8. Shower facilities shall be provided for employees who work in areas above the TWA.
9. No clothing wore in designated areas is to be brought off site to be laundered.
10. Signs – Each regulated area must be posted with the following words:

**DANGER  
ASBESTOS  
CANCER AND LUNG DISEASE HAZARD  
AUTHORIZED PERSONNEL ONLY  
RESPIRATORS AND PROTECTIVE CLOTHING REQUIRED IN  
THIS AREA**

11. Warning labels shall be placed on all debris and raw materials that are in or leave designated areas.
12. The training provided for all employees that work with ACM:



## Health & Safety Policy and Procedures Manual

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- a) Training shall be provided before initial assignment and at least annually.
- b) Training to be in accordance with 1910.1001(j)(7)(iii).