

# **APPENDIX K - SECTION 13350 - WORKING ABOVE A CEILING WHERE FRIABLE ASBESTOS CONTAINING MATERIALS ARE PRESENT**

## **PART 1 - GENERAL**

### **1. Description of Work**

1.1. This section covers methods for entering and conducting work above a ceiling where friable asbestos-containing materials are present.

1.2. Work under this section shall be performed by or under the direction of the contractor providing work under other sections.

1.3. The contractor shall have a competent person on site during all asbestos-related work as defined by MN OSHA Regulation 29 CFR 1926.1101. The competent person training is equivalent to 16 hours in a manner consistent with EPA requirements for training of local education agency maintenance and custodial staff. All workers shall be trained according to OSHA regulations.

1.4. OSHA 29 CFR 1926.1101 shall be adhered to during the project. This regulation contains information concerning training requirements, personal protective equipment, methodologies, medical surveillance and personal air-monitoring measures.

1.5. EPA 440 CFR, National Emissions Standard for Hazardous Air Pollutants (NESHAPS) as revised in November 1990 shall be adhered to during work under this section. Special attention shall be placed on Part 61, Subpart M, Section 61.145 and Section 61.150. This regulation contains information concerning training requirements, notification, removal procedures and disposal.

**2. Related Work Specified Elsewhere:** Refer to Appendix K - Section 13280 - Hazardous Materials Procedures.

**3. Submittals:** The contractor shall submit the following to the project architect:

- A. Name, experience and training of the person to be designated the competent person as defined by OSHA
- B. Evidence of training for all employees providing work under this section
- C. Copies of personal sampling results, adhering to OSHA rules and regulations intending to be used as a negative exposure assessment
- D. A physician's written opinion that indicates the worker's ability to don a respirator and work with asbestos-containing materials
- E. A certificate of disposal using an approved waste manifest

## **PART 2 - PRODUCTS**

There are no products specified.

## **PART 3 - EXECUTION**

### **1. Performing Work Activities above a Ceiling Where Friable Asbestos Containing Materials are Present and Disposal of Waste Generated**

- 1.1. Isolate and lock out HVAC supply and return fans where feasible.
- 1.2. Isolate work area with either OSHA-approved barrier tape or signs.
- 1.3. Place a 6-mil polyethylene drop cloth below the ceiling entrance point.
- 1.4. Gently lift one edge of the tile while using a HEPA vacuum around the area being lifted. Continue this procedure until the tile is totally displaced. Access ceiling space and HEPA vacuum as far as you can safely reach.
- 1.5. Upon completion of work activity, replace the tile while continually using a HEPA vacuum around grid work and the tile itself. Once the tile is returned to its original position, HEPA-vacuum the face of the tile and the supporting grid.
- 1.6. HEPA-vacuum the stepladder as you come down. Once on the ground, set the ladder off to one side of the polyethylene drop cloth.
- 1.7. The contractor shall dispose of asbestos-contaminated materials at an approved landfill site. The truck used to dispose of the materials must have appropriate DOT labeling (during loading and unloading), and be covered daily and during transportation.
- 1.8. Approved landfills in Minnesota for asbestos-containing materials are Elk River Landfill, Inc., 22460 Highway 169, Elk River, (612) 441-2464; and Pine Bend Sanitary Landfill, 2495 East 117th Street, Inver Grove Heights, (612) 457-8655. Alternate landfills may be approved upon submittal of request to the Facilities Management Hazardous Material program manager.

**End of Appendix K - Section 13350 - Working Above a Ceiling  
Where Friable Asbestos Containing Materials are Present  
University of Minnesota Facilities Management  
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