

# APPENDIX K - SECTION 13330 - REMOVAL AND DISPOSAL OF CEMENT ASBESTOS MATERIALS

## PART 1 - GENERAL

### 1. Description of Work

**1.1. PROHIBITED:** Rendering cement asbestos materials friable.

**1.2. PROHIBITED:** Causing friability or damage to materials during removal.

1.3. This section covers the handling of non-friable cement asbestos materials, and the disposal of the removed asbestos-containing materials at an approved asbestos landfill.

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

1.5. 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 the 40-hour MDH asbestos site supervisor training. All workers shall be trained according to OSHA regulations.

1.6. OSHA 29 CFR 1926.1101 shall be adhered to during the project. These regulations contain information concerning training requirements, personal protective equipment, methodologies, medical surveillance and personal air-monitoring measures.

1.7. EPA Regulation 40 CFR, National Emissions Standard of Hazardous Air Pollutants (NESHAPS) as revised 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 regarding training requirements, notification, removal procedures and disposal.

1.8. Do not damage or contaminate adjacent areas when removing said materials. If damage or contamination occurs, the area shall be restored to its original condition.

**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. The name, experience and training of the person to be designated the competent person as defined by OSHA

- B. Copies of personal sampling results, adhering to OSHA rules and regulations intending to be used as a negative exposure assessment
- C. A physician's written opinion that verifies the worker's ability to don a respirator and work with asbestos-containing materials
- D. A certificate of disposal using an approved waste manifest

## **PART 2 - PRODUCTS**

There are no products specified.

## **PART 3 - EXECUTION**

### **1. Removal and Disposal**

1.1. Asbestos-containing materials shall be removed whole and wet with no visible emissions. All wetted asbestos materials must be wrapped in two separate and distinct layers of 6-mil polyethylene sheeting. The sheeting shall be of manageable size and labeled for disposal independent of other materials. Provide a separate and secure staging area for storing and disposing asbestos-containing materials. Dispose of such material no later than the end of each work shift.

1.2. Removed, wetted asbestos-containing materials shall be carefully placed in a covered truck or dumpster. Do not drop or throw asbestos-containing materials.

1.3. The contractor shall notify the approved landfill site at least 48 hours in advance of each delivery. He or she also shall verify and conform to the requirements of the landfill site regarding delivery of non-friable asbestos-containing materials.

1.4. 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.

1.5. The contractor shall dispose of asbestos-containing materials on a regular basis 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.

**End of Appendix K - Section 13330 - Removal and Disposal of Cement Asbestos Materials  
University of Minnesota Facilities Management  
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