

# **APPENDIX K - SECTION 13310 - REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING ROOFING MATERIALS**

## **PART 1 - GENERAL**

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

**1.1. PROHIBITED:** Cutting roof materials using a rotating blade.

**1.2. PROHIBITED:** Rendering roof materials friable: sawing, sanding, grinding or other removal methods that cause friability.

1.3. This section covers the handling of non-friable asbestos-containing roofing materials and the disposal of such materials at a demolition debris landfill that accepts Category I non-friable materials.

1.4. The roofing contractor shall perform work or give direction of work under this section and under other sections.

1.5. EPA Regulations 40 CFR, National Emissions Standard for Hazardous Air Pollutants (NESHAPS) as revised November 1990 shall be adhered to under this section. Special attention shall be given to Part 61, Subpart M (amended), dated May 31, 1994, as published in Federal Register, Volume 59, No. 116/FRR, June 17, 1994. This regulation contains information concerning non-regulated removal and disposal methods.

1.6. Work shall be conducted using equipment with blades that have sharp or tapered edges, and that slice the material.

1.7. Do not damage or contaminate adjacent areas when performing removal work. If damage or contamination occurs, the work shall be restored to its original condition.

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

**3. Submittals:** The contractor shall submit a certificate of disposal using an approved waste manifest to the project architect.

## **PART 2 - PRODUCTS**

There are no products specified.

## **PART 3 - EXECUTION**

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

1.1. Asbestos-containing materials shall be removed wet using a sheering method such as hatchets, axes, knives, spud bites, pry bars, shovels, power removers and tear-off removers that slice materials, or other approved means. The Facilities Management Asbestos coordinator shall approve of alternative methods prior to commencement.

1.2. Removed, wetted asbestos-containing materials shall be carefully placed into a covered truck or container by a hoist or a chute.

1.3. The contractor shall notify the approved landfill site at least 48 hours in advance of each delivery. The contractor also shall verify and conform to requirements of the specific landfill site regarding delivery of asbestos-containing roofing 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. Alternative 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 for transporting the materials must have appropriate DOT labeling (during loading and unloading) and be covered daily and during transportation.

### **End of Appendix K - Section 13310 - Removal and Disposal of Asbestos Containing Roofing Materials**

**University of Minnesota Facilities Management**

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