

# **APPENDIX K - SECTION 13290 - PREPARATION/REMOVAL/DISPOSAL OF LEAD CONTAINING PAINTED MATERIALS**

## **PART 1 - GENERAL**

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

1.1. This section covers the handling, waste disposal and training requirements of working with materials coated with lead-containing paint.

1.2. The scope of work generally includes preparing and repainting existing details or decontaminating existing surfaces that are coated with lead-containing paint. This work does not include removing lead-containing paint from steel structures. Refer to Appendix K - Section 13305 - Removal of Lead Paint from Steel Structures for specific requirements.

1.3. All work shall be performed in accordance with applicable local, state and federal guidelines for impacting lead-containing paint. The contractor performing the work shall provide direction under other specification sections. The intent of this project is not to reduce or abate the hazards of lead that the Minnesota Department of Health defines as hazards.

1.4. OSHA Standard 28 CFR 1926.62 “Lead Exposure in Construction” shall be adhered prior to and following initial exposure assessments. The contractor shall be responsible for all personnel sampling in compliance with the standard.

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

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

- A. Evidence that all personnel have been trained in accordance with OSHA Standard 29 CFR 1926.62
- B. A copy of the plan that indicates it complies with state, federal and university requirements for removing and disposing lead-containing materials during renovation or demolition activities. The plan shall include engineering controls, personal protective equipment, air-monitoring methods, signage, location of hand-washing facilities, work practices, waste handling and disposal, and any other pertinent information.
- C. Copies of OSHA compliance monitoring results or current objective data that indicates such tasks do not cause exposure above the PEL
- D. Copies of Material Safety Data Sheets for products used when lead paint or lead-containing materials are affected

- E. Copies of Toxicity Characteristic Leaching Procedure (TCLP) test results
- F. Proof of disposal through copies of waste manifests or other form of receipt

## **PART 2 - PRODUCTS**

There are no products specified.

## **PART 3 - EXECUTION**

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

#### 1.1. Procedures

1.1.1. Paint Chip Decontamination: Any visible paint chips on the existing surfaces shall be HEPA-vacuumed prior to commencement of other work.

#### 1.1.2. Preparation and Repainting of Materials with Lead Containing Paint

1.1.2.1. Pre-clean work area of all visible paint debris using HEPA-vacuum or wet-wiping techniques.

1.1.2.2. Place a sheet of 6-mil polyethylene, 12-foot wide, beneath the work area prior to preparation. Cover and protect ground cover and other immovable objects.

1.1.2.3. Appropriate respiratory protection shall be used until an exposure assessment can be done to ensure that lead exposure for similar tasks are less than the PEL.

1.1.2.4. Other personal protective clothing shall be used to prevent the worker from being contaminated, including disposable coveralls/apron, gloves, shoes or shoe coverlets.

1.1.2.5. Hand-washing stations as described in 26 CFR 1926.62 shall be provided for the workers who handle lead-containing materials.

1.1.2.6. Surfaces shall be prepared by wet-scraping, wet-sanding, wet-wire brushing or by using an approved chemical stripper.

1.1.2.7. All debris shall be gathered from the job site on a daily basis and placed in a locked dumpster or other secured area for disposal.

1.1.2.8. After the work is finished, decontaminate any surfaces that contain visible debris using a HEPA-filtered vacuum or wet-wiping techniques.

## 1.2. Waste Disposal

1.2.1. All waste shall be accumulated and stored on a daily basis in a secured area.

1.2.2. The university encourages recycling paint chips without any chemical paint strippers or free liquids. However, the contractor may dispose of chips and other waste as outlined below.

1.2.2.1. Paint chips generated at a residential facility must be disposed of in a lined mixed municipal solid waste landfill. The contractor must conduct a Toxicity Characteristic Leaching Procedure (TCLP) test for paint chips that come from chemical strippers or that contain free liquids, as well as other waste. If the material passes the TCLP test, it shall be disposed of at an industrial solid waste landfill. If the material fails the TCLP test, it shall be disposed of at a hazardous waste facility.

1.2.2.2. The contractor must conduct a TCLP test for sweepings and loose paint chips generated at a non-residential facility. If the material passes the TCLP test, it shall be disposed of at an industrial solid waste landfill. If the material fails the TCLP test, it shall be disposed of at a hazardous waste facility.

1.2.3. Demolition debris with lead-based paint attached shall be disposed of at a permitted demolition debris landfill.

## 1.3. Training

1.3.1. All Workers shall receive training (29 CFR 1926.21) that includes the following:

- A. Information about the potential adverse effects of lead exposure
- B. Information about the early recognition of lead intoxication
- C. Instruction about heeding signs that mark the boundaries of lead-contaminated work areas
- D. Discussion of the importance of personal hygiene in reducing lead exposure
- E. Instruction about the use and care of appropriate protective equipment (including protective clothing and respiratory protection)

- F. Information about specific work practices for working safely with lead-based paints
- G. Information on the OSHA “Lead in Construction” Standard 29 CFR 1926.62 and an employee's right to access 29 CFR 1910.20
- H. Contents of the compliance plan in effect

**End of Appendix K, Section 13290 - Preparation/Removal/Disposal of Lead  
Containing Painted Materials  
University of Minnesota Facilities Management  
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