

**Part 1 General**

**1.1 RELATED REQUIREMENTS**

- .1 Section 01 33 00 - Submittal Procedures
- .2 Section 01 35 33 - Health and Safety Requirements
- .3 Section 01 35 43 - Environmental Procedures
- .4 Section 01 74 11 - Cleaning
- .5 Section 01 74 21 - Construction Demolition Waste Mgt and Disposal
- .6 Section 02 41 13 - Selective Site Demolition
- .7 Section 02 81 01 - Hazardous Materials
- .8 Section 02 82 00.01 - Asbestos Abatement Minimum Precautions
- .9 Section 02 83 10 - Lead-Based Paint Abatement – Minimum Precautions

**1.2 WORK COVERED BY CONTRACT DOCUMENTS**

- .1 Work of this portion of the Contract is comprised of:
  - .1 a mercury abatement program;
  - .2 lead paint removal from the interior and exterior of the lightstation, surface patching, and repainting of the lightstation; and,
  - .3 an asbestos-containing materials abatement program (if disturbing such materials).

**1.3 WORK SEQUENCE**

- .1 Co-ordinate Progress Schedule with Departmental Representative.
- .2 Required stages:
  - .1 Mercury abatement - Vacuum all walls, floors, and other surfaces (e.g. stairs, windowsills, etc.) using a mercury recovery vacuum system to adsorb mercury vapours; wet wipe all surfaces.
  - .2 It is anticipated that material collected from the walls, floors and other surfaces during the mercury abatement will concurrently collect loose, flaking and peeling paint from many of the interior surfaces. The paint is also a lead leachate toxic material.
  - .3 Interior loose, flaking or peeling paint areas not abated concurrently with the mercury abatement process shall be abated separately per the lead abatement specifications (Section 02 83 10). Removal of loose, flaking, peeling paint from all interior surfaces is required within the lightstation for preparation of surfaces suitable for repainting. For the purposes of the specification interior paint is to be considered lead leachate toxic.
  - .4 Application of a fast-dry lacquer (with grit) to the walls and floors of the interior of the lightstation to seal residual mercury to the surfaces.

- .5 Post remediation mercury monitoring to be coordinated by Departmental Representative (e.g. independent party).
- .6 If item fails, repeat mercury abatement.
- .7 Exterior loose, flaking or peeling paint areas shall be abated per the lead abatement specifications (Section 02 83 10). The contractor is responsible for the removal of paint such that residual paint is not left on-site to affect the ground surface. Exterior paint is not lead leachate toxic but does contain lead in concentrations greater than 1,000 mg/kg.
- .8 Disposal of the collected mercury/ paint waste materials at approved disposal locations.
- .9 Surface preparation and patching. This includes minor repair of damaged walls along with proper cleaning of surfaces before repainting. Any surface preparation (sanding, chipping, etc.) must conform to the lead abatement specifications.
- .10 Repainting all painted surfaces involving use of appropriate primers and topcoats.
- .3 Maintain fire access/control.

#### **1.4 CONTRACTOR USE OF PREMISES**

- .1 Unrestricted use of site until Substantial Performance.
- .2 Co-ordinate use of premises under direction of Departmental Representative.
- .3 Obtain and pay for use of additional storage or work areas needed for operations under this Contract.
- .4 Remove or alter existing work to prevent injury or damage to portions of existing work which remain.
- .5 Repair or replace portions of existing work which have been altered during construction operations to match existing or adjoining work, as directed by Departmental Representative.
- .6 At completion of operations condition of existing work: equal to or better than that which existed before new work started.

#### **1.5 PARTIAL OWNER OCCUPANCY**

- .1 Owner will occupy designated areas for purpose of intermittent maintenance of equipment.

#### **1.6 ALTERATIONS, ADDITIONS OR REPAIRS TO EXISTING BUILDING**

- .1 Accept liability for damage, safety of equipment and overloading of existing equipment.

#### **1.7 EXISTING SERVICES**

- .1 Establish location and extent of service lines in area of work before starting Work. Notify Departmental Representative of findings.
- .2 There shall be no alteration to existing services. Layout work to work around existing services.

**1.8 DOCUMENTS REQUIRED**

- .1 Maintain at job site, one copy each document as follows:
  - .1 Contract Drawings.
  - .2 Specifications.
  - .3 Addenda.
  - .4 Change Orders.
  - .5 Other Modifications to Contract.
  - .6 Field Test Reports.
  - .7 Copy of Approved Work Schedule.
  - .8 Health and Safety Plan and Other Safety Related Documents.
  - .9 Other documents as specified.

**END OF SECTION**