

## ITEM 951

### CONTAINMENT SYSTEM

- 951.1 The contractor shall provide a 100% containment system which allows for the containment of the environmentally sensitive waste, dust and paint over spray that will be generated during the blasting and paint operations.
- 951.2 When a tank is to be rehabilitated and/or the coatings to be removed contain lead, containment shall at a minimum, conform to the requirements of TCEQ's Texas Air Control Board Regulation I, 31 TAC Chapter 111 Sections 131 through 139, and meet the performance requirements of Section II "Environmental Safety and Worker Protection" of this Specification.
- 951.3 When chemical stripping agents are used, contractor shall provide for containment of debris, aerosols, strippings and other emissions or releases. In addition, the contractor shall manage contained waste in accordance with Section III "Waste Material Handling and Disposal" and his hazardous waste handling procedure.
- 951.4 If the contractor elects to wet abrasive blast or vacuum abrasive blast and roller apply or brush-on coatings the containment system requirements, if any, shall be determined by the Engineer.
- 951.5 Containment system proposed by the contractor must assure the protection of the surrounding environment and must provide sufficient protection to meet: TCEQ Texas Air Control Board regulations for the Control of Air Pollution and Visible Emissions of Particulate Matter; Texas Water Commission regulations applicable to protection of the soil and water, and Section III "Material Disposal" and Section IV "Disposal of Hazardous Materials" of this Specification.
- 951.6 Construct containment system with windscreens of a minimal shade factor as required below, with no emission from edges, rips or tears. The containment system must be designed for the purpose of containing and controlling emissions, debris and protecting the air, ground and soil from contaminants resulting from lead paint removal (if applicable), surface preparation and painting operations.
1. The containment system shall provide a safe working environment and provide for control of emissions.
  2. For rehabilitating an existing tank, a Containment System meeting the requirements of an SSPC Class 2 containment, per SSPC Guide 61 (CON), shall be employed when lead-containing paint is to be removed by abrasive blast-cleaning methods.
  3. The containment materials must provide for performance which will comply with the following:

- a. Protection of the environment, including air, water and soil, from abrasive blast media, process water, dust particles and paint debris.
  - b. Air movement within containment.
  - c. Secure edges and seams.
  - d. Permeable to natural lighting, unless alternate lighting is to be provided.
4. Tarp overlap to provide for maximum containment of spent debris through the course of the project. In the event that emissions or releases occur, work shall be stopped until all defects are repaired.
  5. Prior to installation, the containment system design must be submitted and reviewed by the Engineer. In addition, for work on elevated water storage tanks, the containment enclosure shall be designed to be raised and lowered within 15 minutes to prevent damage to the enclosure, the tank, personnel and excessive loading to the tank appurtenances in the event of high winds and foul weather.
  6. Membranes that are impervious to the abrasive blast media, paint debris dusts and process water shall be placed on the ground around the tank to prevent contamination of the ground storm waters and surface waters due to run-off. Chemically resistant membranes shall be used when chemical stripping is employed. The debris must be contained within 30 feet of the base of the tank.
  7. Prior to any changes or modifications in the containment system during the course of the work, proposed changes and modifications must be submitted in writing and reviewed by the Engineer. The submittal shall address the operations and technical reasons for containment modifications.

951.7 The containment system shall be maintained free of debris and defects.

END OF ITEM 951