
Special Specification 5061

Mobile Water Storage Tank



1. DESCRIPTION

Furnish and operate one or more steel or polyethylene mobile water storage tanks as necessary to provide adequate temporary storage for leachate, groundwater and intrusion water encountered during construction activities within the Special Specification Waste Management and Stormwater Pollution Prevention. Tanks shall be placed within the project limits, as approved by the Engineer. Tanks shall be certified clean upon delivery. Locks for all intake and discharge points shall be supplied with keys. All intake and discharge points shall be closed and locked when not in use.

2. MATERIALS

- 2.1. **Type I.** A Type I tank shall be a 21,000 gallon steel water tank not to exceed 8.5 ft. in width and shall not exceed the tank towering height of 13.5 ft. and the overall length shall not exceed 41 ft. The walls and roof shall be corrugated or externally reinforced. The floors shall be "V" shaped. The tanks shall include a minimum of a 2 ft. man way to access the tank for sampling, gauging and inspection. A minimum 3 in. overflow line is required. The topfill nozzle shall be at least 3 in. in diameter. A minimum 4 in. drain valve shall be located at the tank rear and shall have a maximum 4 in. suction valve at the front center of the tank. The tank shall also be equipped with a minimum 2 ft. steel stairway containing a steel handrail.
- 2.2. **Type II.** A Type II tank shall be a 6,500 gallon polyethylene water storage tank and shall have a diameter not to exceed 12 ft., height not to exceed 14 ft. and equipped with a minimum 2 ft. man way. The top nozzle shall not exceed 4 in. in diameter and shall be equipped with a 50 mm PVC air vent.
- 2.3. **Spill and leak prevention.** Contractor must provide for each tank a liner of PVC, LLPDE, HDPE or a product approved by the Engineer, to prevent spills from making contact with soils. Tank leaks shall be repaired immediately. The secured temporary storage tank area will require a management plan to prevent surface water from entering the tank area and to contain any minor spills. This Plan must be submitted to the Engineer in writing, and approved by the Department. Contractor shall notify the Department when the capacity of the tank is estimated at 75% of capacity.

3. MEASUREMENT

This Item will be measured by each tank delivered on-site for use in the designated contamination areas on the project.

4. PAYMENT

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Mobile Water Storage Tank (Ty I)" or "Mobile Water Storage Tank (Ty II)". This price shall be full compensation for furnishing all equipment, delivery, setup, labor, tools and incidentals necessary to complete the work. TxDOT shall be responsible for the disposal of any leachate, groundwater and intrusion water that is found to be contaminated.