

REQUISITION NUMBER: 509-950885

6000 GALLON EMULSION STORAGE TANK

SPECIFICATIONS

- 6,000 gallon tank shall be manufactured of ¼" carbon steel oriented to be mounted vertically.
- Tank to be insulated with 3" thick foil backed foam, and then covered with aluminum sheeting for weather protection and secondary containment. Bottom of tank to be flat. Tank shall include a 24" insulated manway in the side of the tank at the bottom to provide safe access into the tank if necessary.
- Tank shall be attached to a steel support stand, which shall be included, that places the tank loading valves at the proper height (5'5" for trailer unit or 8' for truck mounted unit) above the concrete pad for gravity flow loading of the emulsion.
- Tank to have a caged access ladder which will give safe easy access to the top of the tank. The top of the tank shall be fitted with an inspection door. The tank shall have safety railing around the top.
- Tank to be equipped with 4-1000 watt, 240 volt single phase heater blankets, which shall be controlled by an adjustable thermostat that shall be accessible from ground level. All electrical components shall be compatible for indoor or outdoor service. Tank shall have a removable panel that is insulated to allow safe easy access to service the heater blankets.
- Tank to be equipped with two 3" ball valves for loading and unloading the tank. The valves are to be wrapped with 240 volt heat tape and then insulated to aid in heat retention during cold weather operations. Tank shall have a 3" insulated ball valve in the bottom of the tank to aid in cleanout. The valves shall have provisions to accept a padlock for added security.
- Tank to include a minimum 7' long 3" diameter heavy duty rubber loader hose fitted on one end with a quick coupler which mates to the loading/unloading valves, and the other end to be fitted with a steel 90 degree elbow fitting.

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- Tank shall include a top mounted mechanical paddle type agitation system which shall be automatically controlled by a programmable agitation timer. The timer shall be pre-programmed at the factory. The agitator speed shall not exceed 6 rpm's to avoid whipping the emulsion and causing separation.
- Tank shall include a material quantity gauge that can be easily viewed from ground level. The gauge to be calibrated in no more than 100 gallon increments.
- Tank and its components to have no less than a one year warranty; excluding the concrete pad, incoming electrical service installation, and components which will be supplied by Alabama Department of Transportation or contracted by Alabama Department of Transportation
- Successful vendor shall provide a factory trained representative to assist in the installation and final operational preparations to ready the tank for operation. The representative shall also provide complete operation and maintenance training to Alabama Department of Transportation personnel.
- Job site and foundation preparation will be the responsibility of Alabama Department of Transportation. Successful bidder shall furnish Alabama Department of Transportation with complete foundation description including diagram. Any requirements necessary to meet ADEM or EPA regulations shall be the responsibility of Alabama Department of Transportation.
- The electrical service line or cable installed and run to the tank will be the responsibility of Alabama Department of Transportation. Successful bidder will be required to connect all wiring to the tank's electrical control systems by a certified electrician.
- Mobile crane or other lifting device(s) to unload, and position on the foundation pad shall be the responsibility of the successful bidder.

All material and labor to be guaranteed as specified. All workmanship shall be done in a manner according to standard practice. On site storage of job material and equipment will be coordinated through Larry Cunningham. The security of materials, tools, and/or equipment used on the job site will be the responsibility of the vendor.

Job Site: Alabama Department of Transportation
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Tuscaloosa, AL 35405
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