



RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Onsite Wastewater Treatment Program

Office of Water Resources, Room 260

235 Promenade Street, Providence, RI 02908-5767



TANK SPECIFICATION CHECKLIST

Manufacturer _____
 Address _____

Tank Model _____
 Contact Name _____
 Phone _____
 Fax _____
 E-mail _____

INSTRUCTIONS: Check all the criteria that apply to the subject tank (indicate applicable model number above). Complete a separate checklist and attach the applicable certification for each tank model. **BOLDED CAPITALIZED INSTRUCTIONS** in the table of criteria below indicate where a) all criteria in the section are required to be satisfied, b) selected criteria in the section are required and c) where a choice may be made.

| | |
|---------------|---|
| 26.2 | Construction and Materials |
| 26.2 | <input type="checkbox"/> Watertight (Rule 26.11 requires watertightness to be either certified by the manufacturer or demonstrated by onsite testing at installation) |
| 26.2 | <input type="checkbox"/> Composed of sound and durable materials not subject to excessive corrosion, decay or frost damage or to cracking or buckling due to settlement or soil pressures - REQUIRED |
| 26.2.1 | <input type="checkbox"/> Precast Reinforced concrete septic tanks conform to the American Society for Testing and Materials "Standard Specification for Precast Concrete Septic Tanks C-1227-02" and any updates thereto. ATTACH DOCUMENTATION |
| 26.2.1 | <input type="checkbox"/> Weep holes in the precast reinforced concrete septic tank are placed on the side of the tank bottom - IF CONCRETE: REQUIRED |
| 26.2.2 | <input type="checkbox"/> Fiberglass septic tank conforms to the International Association of Plumbing and Mechanical Officials "Material and Property Standard for Prefabricated Septic Tanks IAPMO PS 1-2004e1" and any updates thereto. PRODUCT CERTIFICATION ATTACHED. |
| 26.2.2 | <input type="checkbox"/> Polyethylene septic tank conforms to the International Association of Plumbing and Mechanical Officials "Material and Property Standard for Prefabricated Septic Tanks IAPMO PS 1-2004e1" and any updates thereto. PRODUCT CERTIFICATION ATTACHED. |
| 26.2.2 | <input type="checkbox"/> Other |
| 26.2.3 | Each tank is clearly and permanently marked at the inlet end of the tank with all of the following - ALL FOUR CRITERIA MUST BE SATISFIED <input type="checkbox"/> Date of manufacture <input type="checkbox"/> Name or trademark of the manufacturer <input type="checkbox"/> Septic tank capacity <input type="checkbox"/> Indication of external loads for which the septic tank is designed to resist. |
| 26.3 | Shape - ALL FOUR CRITERIA MUST BE SATISFIED |
| | <input type="checkbox"/> No less than twenty-five (25) square feet of surface liquid area. <input type="checkbox"/> Distance between the inlet wall of the tank and the outlet wall no less than six (6) feet. <input type="checkbox"/> Depth of the tank below the flow line no less than four (4) feet or more than eight (8) feet. <input type="checkbox"/> At least nine (9) inches of air space between the surface of the liquid and the interior roof of the septic tank. |
| 26.4 | Compartments (Two-compartment tanks) - IF THIS SECTION APPLIES, ALL THREE CRITERIA MUST BE SATISFIED |
| 26.4 | <input type="checkbox"/> Septic tank has two (2) compartments with adequate connection at mid-depth; |
| 26.4.1 | <input type="checkbox"/> The first compartment liquid volume is approximately two-thirds (2/3) of the required liquid volume for the entire tank. |
| 26.4.2 | <input type="checkbox"/> The interior compartment wall, if extended to the interior roof, provides for venting equivalent to the cross sectional area of at least a four (4) inch diameter pipe. |
| 26.10 | Tanks in Series (Single compartment) - IF THIS SECTION APPLIES, ALL THREE CRITERIA MUST BE SATISFIED |
| 26.10.1 | <input type="checkbox"/> The volume of the first tank is at least two-thirds (2/3) the required tank size; |
| 26.10.2 | <input type="checkbox"/> The outlet tee on the first tank extends down to the mid-depth of the liquid volume; and |
| 26.10.3 | <input type="checkbox"/> An effluent screen that meets the requirements of Rule 26.6.2 is provided on the outlet tee of the second tank. |
| 26.5 | Inlet and Outlet - ONE CRITERION MUST BE SATISFIED - IF MORE THAN ONE INLET BOTH CRITERIA MUST BE SATISFIED |
| 26.5.1 | <input type="checkbox"/> At least one (1) inlet and one (1) outlet are provided through the appropriate end or side wall of each tank. <input type="checkbox"/> Where more than one (1) inlet is required for multiple building sewers, the tank is manufactured with the appropriate number of inlets. |
| 26.5.2 | <input type="checkbox"/> The invert elevation of the outlet is at least three (3) inches below the invert elevation of the inlet. REQUIRED |
| 26.5.3 | <input type="checkbox"/> The inlet and outlet pipes are connected to the tank with a watertight sealed flexible joint. REQUIRED <input type="checkbox"/> The pipe gasket is an integral part of the tank and the pipe gasket is fastened to the pipe with a stainless steel retractable clamp. <input type="checkbox"/> A friction fit connection is only allowed if the tank is performance tested in accordance with Rule 26.11 (Vacuum Test and Water-Pressure Test) |
| 26.6 | Inlet and Outlet Tees |
| | <input type="checkbox"/> Septic tank includes an inlet sanitary tee and outlet tee - IF THIS APPLIES, ALL SIX INDENTED CRITERIA BELOW MUST BE SATISFIED <input type="checkbox"/> The inlet and outlet tees composed of minimum SDR 35 PVC solvent welded. <input type="checkbox"/> The tops of the tees extend a minimum of six (6) inches above the flow line. <input type="checkbox"/> The tops of the tees are left open to provide ventilation. |
| 26.6.1 | <input type="checkbox"/> Air space of at least three (3) inches between the tops of the tees and the top interior of the tank. (26.6.1) |
| 26.6.2 | <input type="checkbox"/> The inlet sanitary tee extends downward at least one (1) foot below the flow line. (26.6.2) <input type="checkbox"/> The outlet tee shall extend downward one-third of the depth below the flow line. All outlet tees or other approved outlet devices shall be equipped with an effluent screen approved by the Department pursuant to Rule 37. <input type="checkbox"/> Other non-corroding equivalent device approved by the Director (specify). |
| 26.6.3 | Specifications for inlet tees and outlet tees are for normal, low-flow conditions. High-flow conditions, created when liquid is pumped from another tank, may require other dimensions and considerations. |
| 26.7 | Access Openings - BOTH CRITERIA MUST BE SATISFIED |
| 26.7 | <input type="checkbox"/> Access opening over both the inlet tee and outlet tee, minimum of twenty (20) inch inside diameter. |
| 26.7.3 | <input type="checkbox"/> The septic tank manufacturers shall provide a label of noncorrosive material for attachment at time of installation, in a prominent location at each access opening to warn that "Entrance Into the Tank Could Be Fatal" |