

15A NCAC 18E .1503 DESIGN AND CONSTRUCTION STANDARDS

RWTS shall meet the following design and construction standards:

- (1) No blockouts or openings shall be permitted below the liquid level of the RWTS.
- (2) RWTS shall be watertight, corrosion resistant structures, with all components requiring maintenance accessible to the Management Entity. Access openings shall be provided in the RWTS top. Access shall be provided for:
 - (a) cleaning or rodding out the inlet pipe;
 - (b) cleaning or clearing the air or gas passage space above any partition;
 - (c) pumping of each compartment required to be pumped;
 - (d) sampling the effluent; and
 - (e) repairing and maintaining any system components.
- (3) Tanks used in RWTS designed to hold sewage or effluent shall comply with all tank requirements in accordance with Section .1400 of this Subchapter.
- (4) RWTS shall bear an imprint identifying the manufacturer, the RWTS serial number assigned to the manufacturer's model approved by the Department, and the liquid or working capacity of the unit. The imprint shall be located on the outlet end of the tank within 24 inches of the top of the tank.
- (5) The design, construction, and operation of RWTS shall prevent bypass of wastewater.
- (6) The manufacturer shall ensure that the system can be sampled in compliance with 40 CFR 136 and shall specify the recommended method for effluent sampling.
- (7) Control panels provided by the manufacturer shall comply with the requirements for control panels in accordance with Rule .1103 of this Subchapter.
- (8) The RWTS shall have an alarm device or devices to warn the user or Management Entity of a unit malfunction or a high-water condition in accordance with Rule .1103 of this Subchapter.
- (9) The control panel shall include a method to automatically measure and record daily wastewater flow dispersed to the dispersal field in accordance with Rule .1702(a)(2)(I) of this Subchapter.
- (10) The blower location shall be shown on the plans and detail proposed corrosion-resistant blower enclosures, if applicable.
- (11) A settling tank shall be required prior to or as an integral part of the design of the RWTS. The liquid capacity of the settling tank shall be a minimum of half of the DDF of the RWTS, or as otherwise specified by the manufacturer, whichever is larger. The settling tank may either be an integral chamber of the RWTS tank, a septic tank approved in accordance with Section .1400 of this Subchapter, or another tank designed for an individual system and approved by the Department as a part of the plans for the RWTS.

History Note: Authority G.S. 130A-342;
Eff. January 1, 2024.