

4.20 Recreational Vehicle Dump Station

Revision: April 19, 2013

Installer registration permit: Property owner or standard and basic

Licensed professional engineer required: No

4.20.1 Description

Recreational vehicle (RV) dump stations are sealed septic tanks for the disposal of RV-generated wastewater. RV dump stations pose a unique problem for subsurface sewage disposal systems because the recirculating fluid used in RV tanks contains formaldehyde and/or paraformaldehyde. The presence of these chemicals inhibits bacterial action inside of a septic tank, which leads to solids carry over and premature failure of the drainfield. Compounding the problem is that RV units recirculate the fluid several times before it is dumped. The fluid disposed in the dump station then is both *strong* and preserved. Because of these issues with RV-generated wastewater, RV dump stations should not be connected to subsurface sewage disposal systems.

4.20.2 Approval Conditions

1. A management entity or arrangement to provide maintenance and pumping of the dump station tank by a permitted septic tank pumper should be provided prior to permit issuance.
2. An RV dump station tank shall not have wastewater conveyed to it through a collection system.
3. RV wastewater shall be discharged into the dump station vault directly from the RV's wastewater storage tanks.
4. If the RV dump station tank is a modified septic tank, the inlet and outlet openings shall be sealed.
5. RV dump stations may not be located in a floodway.
6. The RV dump station tank lid shall be sloped to the dump point and have a wastewater spill containment rim.
7. A source for dump station wash-down water shall be provided to the RV dump station location.
8. The water source shall meet the same separation distances from the RV dump station tank as required by IDAPA 58.01.03.007.17.

4.20.3 Requirements

1. The RV dump station tank must meet the distance limitations of a septic tank (IDAPA 58.01.03.007.17).
2. The RV dump station tank must meet the septic tank design and construction standards as described in IDAPA 58.01.03.007. Requirements of IDAPA 58.01.03.007.07, 58.01.03.007.08, 58.01.03.007.09-10, 58.01.03.007.19, and 58.01.03.007.22 are exempt.
3. If the RV dump station tank is a modified septic tank, the inlet and outlet opening shall be sealed