

4.21 Recreational Vehicle Dump Station

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4.21.1 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.

4.21.2 Conditions for Approval

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.

4.21.3 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
4. A manhole extension shall be brought to finished grade that allows pumping access to the RV dump station tank.
5. An emergency warning system shall be required to be installed to indicate when the RV dump station tank is two-thirds full.
6. The RV dump station tank shall meet the volume requirements of a septic tank, except that no RV dump station tank shall be less than 1,500 gallons.
7. Any permit issued for a subsurface sewage disposal system serving RV spaces should include a requirement to install an RV dump station tank that allows RVs to discharge their preserved waste prior to discharging of waste to the subsurface sewage disposal system.

4.21.4 Recreational Vehicle Dump Station Waste Disposal

1. RV dump station tank waste shall be pumped and removed by a permitted septic tank pumper.
2. Wastewater from an RV dump may be disposed of at the following locations:
 - a. Municipal treatment plant
 - b. Approved septage land application site
 - c. Approved discharge to public sewer