

4.29 Vault Privy

Revision: March 20, 2015

Installer registration permit: Property owner or standard and basic

Licensed professional engineer required: No

4.29.1 Description

A vault privy is a sealed underground vault for the temporary storage of nonwater-carried sewage. The vault is pumped periodically by a permitted pumper and the sewage disposed of at an approved disposal site.

4.29.2 Approval Conditions

1. Surface water will be excluded.
2. Vault privies should not be located in floodways.
3. The privy vault must meet the separation distance requirements of a septic tank (IDAPA 58.01.03.007.17).
4. Structures on the property served by water under pressure shall install a subsurface sewage disposal system, and the structure shall not discharge to the vault.
5. Vault privy must be accessible for maintenance.
6. The vault must be an approved septic tank (section 5.2) or vault toilet (section 5.11).
7. The vault vent stack is recommended to be on the south side of the roof where practical.
8. The vault must be pumped by an Idaho-permitted septic tank pumper.
9. The building and toilet structures over the privy vault shall meet the same requirements of structures and toilets over pit privies (section 4.17) except the vent stack shall be on the outside of the vault structure.

4.29.3 Design Requirements

1. Privy vault must be watertight, constructed of durable materials, and not subject to excessive corrosion, decay, frost damage, or cracking.
2. Vault may be a modified septic tank with inlet and outlet openings sealed or a preapproved vault unit.
3. The volume of the vault tank must be 375 gallons for each toilet, except that no tank may be less than 500 gallons.
4. The vault shall be vented to the outside of the building with a black, screened (maximum screen size of 16-mesh) vent stack that has a minimum diameter of 3 inches per seat and extends at least 12 inches above the roof of the building.
5. An access pumping port (manhole) shall be located outside of any vault structure, have a minimum diameter equivalent to the diameter of the toilet opening, and have a secured cover that prevents the escape to gases, odors, and prevents unauthorized access.
6. The area where the vault is placed must be
 - a. Firm and level for at least 12 inches from the sides of the top of the vault.