

4.29 Vault Privy

Revision: ~~April 21, 2000~~ December 10, 2014

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 ~~a secondary treatment site~~.

4.29.2 Approval Conditions

1. Surface water will be excluded.
2. Vault Privies shall 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. ~~Dwelling Structures on the property shall~~ is not be served by water under ~~pressure or a standard system could otherwise be constructed.~~
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 should be oriented to the south.
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 4.18).

4.29.3 Vault Requirements

~~1. Privy must meet the distance limitations of a septic tank.~~

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 extending 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 of 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.
 - b. Shall be at least 12 inches above the highest ground elevation as measured 18 inches from the sides of the building.
 - c. Shall be graded at a maximum slope of 3:1 starting 18 inches from the sides of the top of the vault.

4.29.4 Sizing

~~The volume of the tank must be 375 gallons for each toilet, except that no tank may be less than 500 gallons.~~

4.29.5 Other Requirements

- ~~1. Toilet structures over holding tanks must meet the requirements of structures over pit privies.~~
- ~~2. Access and pumping port should be located outside of any structure and should have a diameter of at least 8 inches.~~
- ~~3. Tank shall be pumped by a Idaho-licensed septic tank pumper.~~