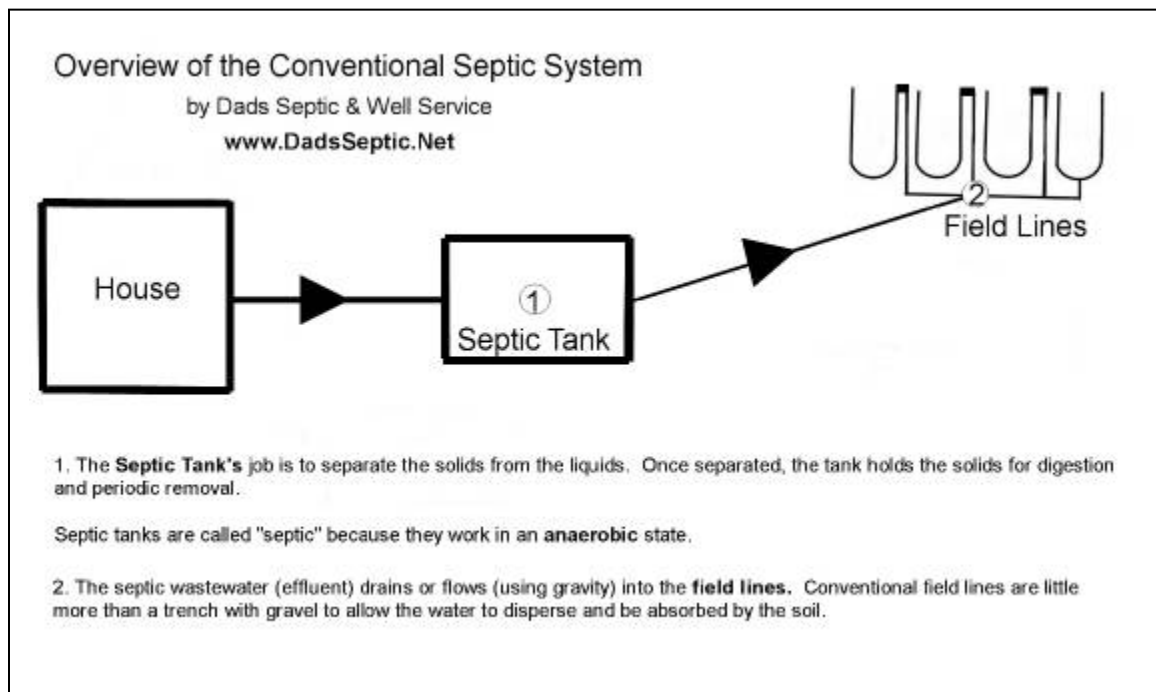


Septic 101



[On-Site Sewage Treatment](#) - is necessary when you operate outside the P.O.T.W. (Publicly Operated Treatment Works).

This means that you need to treat your own sewage. In order understand how to do this one needs to understand how a septic system generally works.

[The Conventional Septic System:](#)

The Septic Tank's job is to separate the solids from the liquids. Once separated, the tank holds the solids for digestion and periodic removal.

Septic tanks are called "[septic](#)" because they work in an [anaerobic state](#).

The septic wastewater ([effluent](#)) drains or flows into the field lines. Conventional **field lines** are little more than a trench with gravel to allow the water to disperse and be absorbed by the soil.

[Field Line Problems](#) - can develop due to the forming of a bio-mat. The bio-mat forms in the field lines where the anaerobic water makes contact with the aerobic soil.

The majority of field line problems occur due to the bio-mat and the bio-mat can be easily and inexpensively prevented by adding an Aerobic Treatment Unit to your septic system.

[Un-Conventional Septic Systems](#)

The **Aerobic Treatment Unit** adds air to the anaerobic effluent - turning the effluent aerobic so that it is more easily absorbed into the soil. This also prevents the forming of the bio-mat, which is the cause of most field line problems.

[Chambers Systems](#) - The new technology of "chambers" replaces conventional field lines. Chambers allow bottom and side-wall exposure without the hindrance of aggregate fill. "[Click here](#)" for pictures of a [chamber system](#).

Mound Systems - are used when you need your field lines above ground in order to keep the proper distance from the water table. These lines are generally laid on top of the ground and covered with soil and appropriate landscaping.

[Peat Moss Systems](#) - in place of conventional field lines, Peat Moss, contained in containers above or below ground, can be used to filter and disperse the effluent naturally.

Please Note: All of the above systems require gravity.

[Drip-Emitter Systems](#)

The Drip-Emitter System is used when the conventional gravity system cannot be used due to poor absorption rates, proximity to subsurface restrictive layers or high water tables.

These systems force the waste water into the soil using pressure!

[The Perc-Rite System](#) is such a system and Dad's professionally installs these systems.