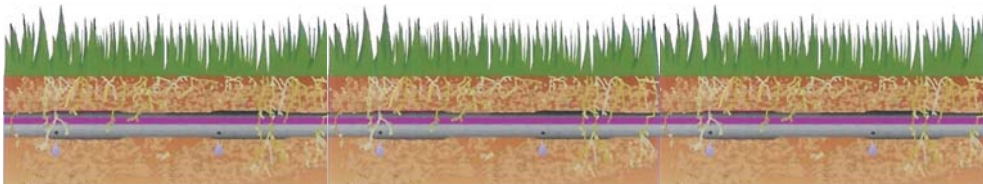


BAYSAVER DRIP™

Earth friendly wastewater systems



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Recycles Wastewater

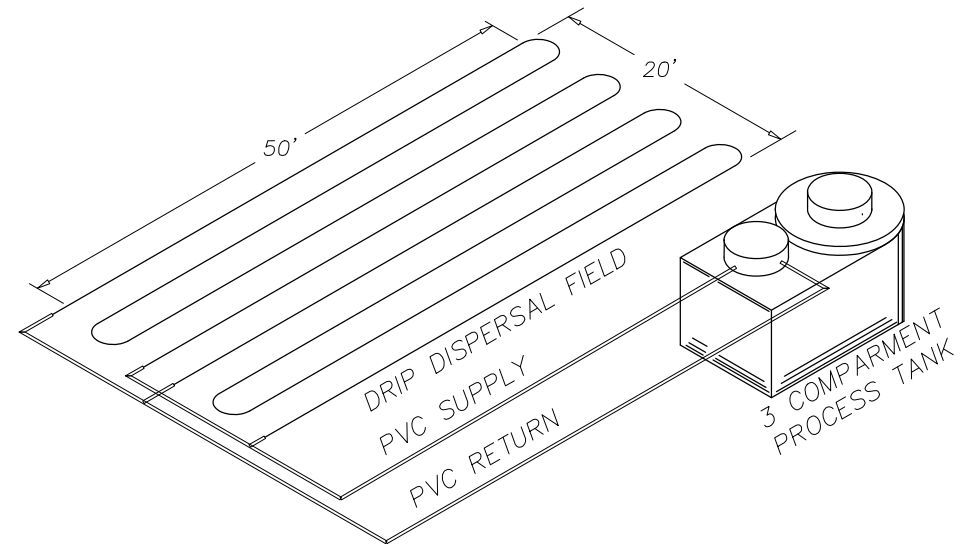
The Baysaver Drip™ wastewater treatment system converts sewage from a residence or business into a clear, odorless liquid. This high degree of treatment is accomplished at a remarkably low operating cost per month. The unique dispersal system disperses treated wastewater through a grid of drip irrigation tubing placed in the most biological active soil zone some six to twelve inches below the soil surface. A small trickle of treated wastewater is pumped through the system every two hours and discharged uniformly over a specified area to facilitate soil absorption of the water and allow maximum uptake of nutrients in the wastewater by lawn and landscape plants. Household wastewater is returned to the environment in a sustainable fashion. The aerobic drip Irrigation system has found its most favorable use on small lots with problem soil conditions such as high water tables, shallow depth to impervious layers, low permeability soils and steep slopes. This now allows the homeowner the availability of a system that can be installed at grade or with a minimum of a few inches of fill and still meet the regulatory standards without the eyesore or cost of construction of a mound system.

Reduces Nutrients by 80%

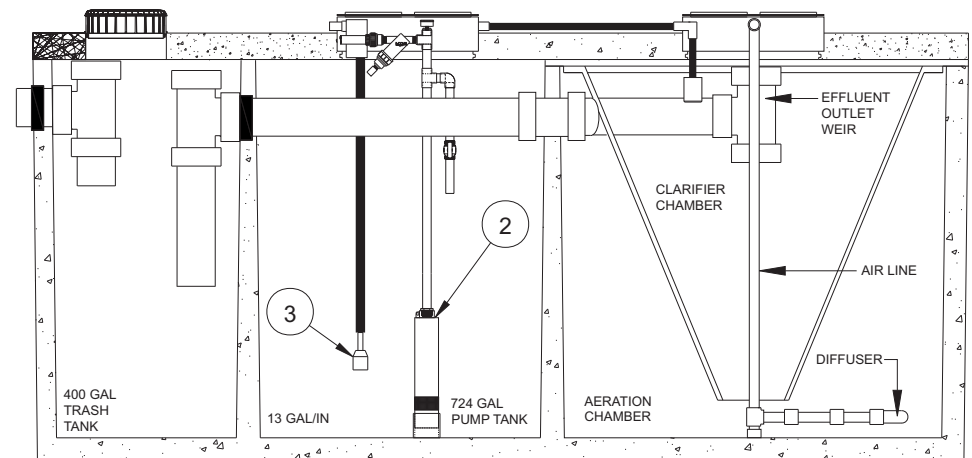
Baysaver Drip™ uses biological nutrient removal (BNR) technology to convert wastewater components such as nitrates and ammonia to nitrogen gas. Any remaining nitrogen compounds are converted to a form that is easily absorbed by landscape plants. A conventional septic system for a family of 4 releases close to 60lbs. of nitrogen into the watertable every year. The earth's natural hydrological cycle carries surface and ground water from higher elevations to the Chesapeake Bay watershed. When excess nutrients enter the bay they cause algae to grow, depleting the water of dissolved oxygen and increasing turbidity. Homes and businesses can directly decrease this pollutant by using Baysaver Drip™ technology.

Innovative Components

The system uses advance wastewater treatment technology coupled with microprocessor based pump controls in order to time and record each dose event. A continuous level transducer replaces mechanical floats for years of reliability. Cycle times and alarm levels are easily



changed. The effluent dispersal field uses inexpensive polyethylene tubing incorporating pressure balanced emitters for uniform dispersal. During the dosing cycle the tubing is continuously flushed, with any particulate being returned to the pump tank. A typical drain field can be as little as 1000 square feet.



The heart of the system is a NSF certified treatment works producing 10/10 effluent housed in a single concrete tank.