

DEXTRAS

ENVIRONMENTAL ENGINEERING LP

SEWAGE TREATMENT DOSING SYSTEM © PAT. PEND.

General Description

During the past fifty years, the demand for self-contained “on-site” sewage treatment has grown exponentially. The primary driving factor for this growth is the relative scarcity of new land available for single family development *within* the sanitary sewer “big pipe” service area. This has occurred in almost every municipality in the entire country and has forced almost all new developments of this type to occur outside of this service area. This, in turn, has created sufficient demand to *engineer* new and better ways to handle the on-site treatment of the effluent involved. The above referenced STDS is a case in point.

This new system is designed to improve the long term performance, maintenance and reliability of traditional septic systems. It completely eliminates the need for costly pumps and improves the preferred gravity fed system by controlling the dosing of the underlying filter media. The net effect is to generate a volumetric distribution that is almost identical to that obtained through pressurization, without all the problems associated with trying to pump septic tank effluent through small diameter pipes and even smaller diameter exit orifices. In addition to this, our system also has the advantage of being fully vented for continuous aeration using traditional full size distribution piping. This is extremely important for any filtered system that relies on aerobic bacteria to “treat” effluent.

Summary of System Features

- **Quiet and reliable “pump less” operation. Gravity driven but electronically controlled for optimum distribution of effluent.**
- **Adaptable to any size field or treatment area, new or existing. Ideally suited for use in difficult “low percolation” ground conditions.**
- **Large piping and orifices for maximum fresh air supply and minimum clogging.**
- **Low cost sturdy construction that is easy to install and maintain.**
- **Low energy consumption requires only 30 watts of energy per cycle. Costs less than 1/3 cent per day or \$1 per year to operate at normal usage and rates.**
- **Simplified homeowner maintenance kit includes tools, procedure and log book.**

For a free evaluation of your particular site conditions please contact us at:

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Technical Details are available on our web site at: www.dextras.com/wastewater.html