



Licking County Health Department ---Environmental Division
675 Price Rd. Newark, Ohio 43055
740-349-6535

Aeration Tank & Mound --- Factsheet

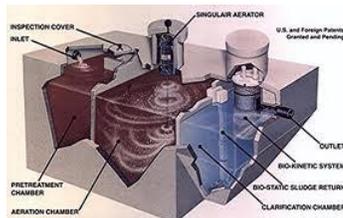
- **Aeration Tank:** An aeration tank is a major component of a HSTS system. Unlike a septic tank the aeration tank depends on an electric motor. The main principal behind the operation of this type of tank is air injected into the sewage; the air is utilized by aerobic bacteria. Aerobic bacteria work to break down the wastewater and convert it to odorless liquids and gases. Aerobic bacteria are more efficient in breaking down the wastewater than anaerobic bacteria found in a septic tank.

Common Types of Aerators found in the County:

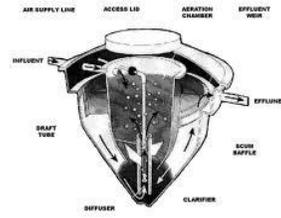
Jet



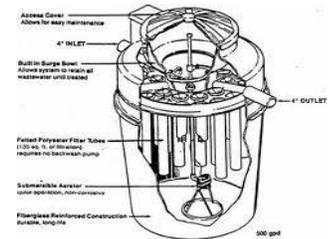
Norweco



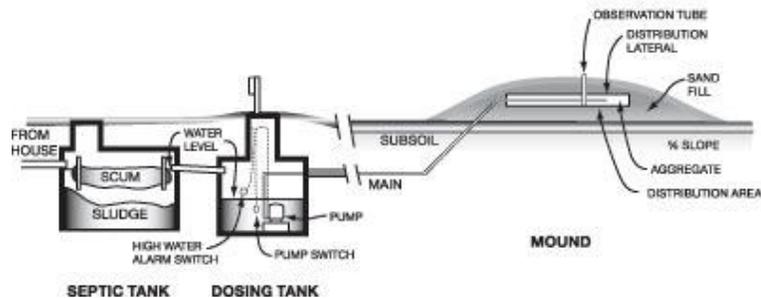
Nyadic



Multi-Flo



- **Mound System:** The wastewater exits the septic tank and enters a lift station. The wastewater is then pressure distributed or pumped into the mound. The mound is constructed above grade due to a limiting condition below the surface. A limiting layer can be bedrock, a dense soil, or seasonally high ground-water. In a mound system sand is placed on top of the natural soil to help treat and dispose of septic tank effluent. Next a layer of gravel is placed around the pipes and covered with construction fabric. Finally a layer of soil is placed over the entire mound to protect it from freezing. The layer of soil is also needed for growing grass or other non-woody plants that control erosion.



- **The Licking County Health Department recommends the following activities to keep your septic system working correctly:**

- Have your aeration tank pumped every 3 years
- Do not place any buildings or other structures on top of your system
- Keep downspout and sump pump drains away from your system
- Repair any faucet or toilet leaks to avoid adding extra water to your system