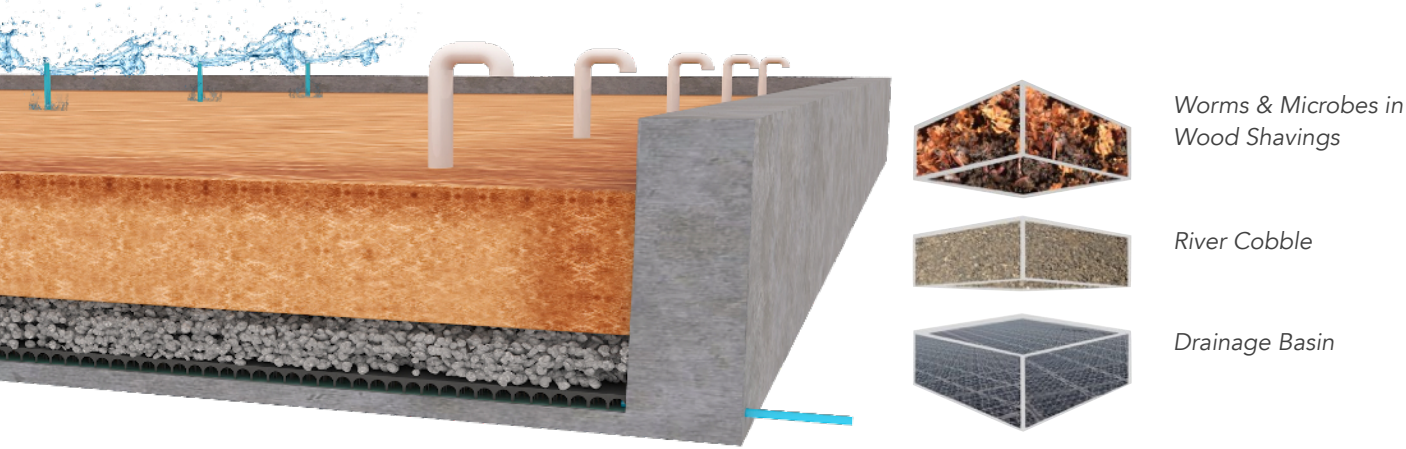




BIOFILTRO

worm powered wastewater solutions

let our workers convert your waste stream into revenue streams



Headworks Post Primary Post BIDA®

BioFiltro’s patented biodynamic aerobic (BIDA®) system catalyzes the digestive power of worms and microbes to rapidly filter out wastewater contaminants. Water, applied intermittently to the biofilter via a surface irrigation system, percolates down through various medias where contaminants are trapped and digested by a biofilm. As worms burrow in search of solids, they create channels which aerate the system while their microbial rich castings propagate and nourish the microbial colonies consuming dissolved and soluble contaminants. When the water hits the system floor, it drains out of the system via exit pipes and can be reutilized for agricultural irrigation or discharged to sewers at reduced contaminant levels. The only thing left behind is a valuable byproduct: worm casting compost.

Quite simply, our clients make cents out of sustainability.

Removal Efficiencies

- ≤ 99% Biological Oxygen Demand
- ≤ 99% Total Suspended Solids
- ≤ 95% Total Nitrogen
- ≤ 90% Oil & Grease
- ≤ 30% Phosphorus

System Benefits

- ✓ Can Operate Year Round or Seasonal
- ✓ Custom Designed and Scalable
- ✓ Four Hour Process
- ✓ Virtually Odorless
- ✓ 0.0007 kWh Per Gallon Filtered



System generates worm castings instead of sludge



Reduce GHG emissions



Irrigation quality effluent