



- **Bio-Microbics is a global supplier of Innovative Water, Wastewater, and Storm Water Treatment Technologies with over 45,000 installations in over 60 Countries**
- **Bio-Microbics prime market is developing new Technologies for the Decentralized Wastewater Market**

Current NSF/ANSI Onsite Wastewater Standards

- **Standard 40 (1970):** Complete residential treatment system with a capacity of 400 to 1500 gpd; CBOD and TSS reduction.
- **Standard 245 (2007):** Complete residential treatment system with a capacity of 400 to 1500 gpd; Nitrogen reduction.



New Product Standards

NSF 350 Onsite residential and commercial reuse treatment systems



Testing to NSF Standards



- **Bio-Microbics has been testing to NSF Standards since 1996**
- **Bio-Microbics has tested 12 times at 4 different Test Centers**
- **So we did not use a Consultant**



Costs for NSF Testing



- **NSF Standard 40** \$50,000 to \$60,000
- **NSF Std 40 plus 245** \$65,000 to \$80,000
- **To Add Disinfection** \$18,000
- **NSF Std 40/245/350+** \$120,000
- **Annual Cert Fees** \$6,000 to \$15,000

Minimum Test Duration 6 mo.



Why Test to NSF Stds?



- **All Sales are Regulatory Driven**
- **The NSF Standards provide the first step in obtaining State by State Approvals**
- **NSF is accredited by ANSI to provide Third Party Certification of Products, not just a Testing Organization**



Hard to Fix After 40 Years



- **Clean Water Act of 1972 Separated Decentralized Wastewater and Granted Jurisdiction to the States**
- **Since that time nothing has been done to correct this**
- **Latest Development is push for Data Sharing**

