Competition

1) **Microscreens**

- Disk or drum configuration
- One-dimensional flat screen media is incapable of storing solids; 0.06 mm thick vs. pile cloth 3-5 mm
- Partial submergence of media. Requires 40%-50% additional area to match 100% submergence of an AquaDisk filter
- Inside-out flow path conducive to solids fouling, unlike Aqua-Aerobic Systems' outside-in path
- Low solids loading capability; not compatible with chemical addition applications
- Light gauge SS (<1/4" thick) tank material; covers required to contain aerosol; not disinfected
- Timer and relay type controls; no PLCs
- Lower capital costs for packaged units; equivalent or higher capital costs for concrete units

- Higher lifecycle costs for both packaged and concrete units
- Higher backwash frequency
- Backwash mechanisms (nozzles) do not contact screen
- Spray nozzles clog and create screen media damaging jets
- Common screen manufacturers are Kruger-Hydrotech, Siemens 40X, Nova, WesTech Superdisc, Estruagua, and ITT-Sanitaire Drum