

1.1 ORENCO AdvanTex AX-20RT



1.2 ORENCO AdvanTex AX20



2.1 NORWECO Singulair TNT



2.2 NORWECO Hydro-Kinetic



3. BUSSE MF



4. HYDRO-ACTION AN SERIES



INNOVATIVE ADVANCED TECHNOLOGY VENDORS - SUMMARY

#	Name of Technology (# of units committed)	Location of HQ	Type of Technology	Treatment Process	Where It's Installed and #	Cost Installed (self-reported)	Annual Maintenance
1	Orengo Systems: 1) AdvanTex AX-20RT [1]; 2) AdvanTex AX20 [1]	Sutherlin, OR (and regional rep in Lyme, CT)	Attached Growth Packed Bed Reactor	Process where microorganisms responsible for treatment are attached to textile media.	Approved & installed in MA (56), MD, RI. More than 20,000 systems in US and Canada	\$12 - \$15,000 Numbers assume using existing leaching pools	\$200-\$300 \$12 Month Operating Cost
2	Norweco: 1) Singulair TNT [5]; 2) Hydro-Kinetic [5]	Norwalk, OH	Extended Aeration Activated Sludge	Modification of activated sludge process where organisms remain in treatment process for longer period. Singulair TNT consists of pre-treatment, aeration (Detention Time > 24 hrs) and secondary clarification chambers. Hydro-Kinetic consists of pre-treatment, aerobic, aeration (DT > 21 hrs), clarification and final filtration chambers.	Approved & installed in MA (140 systems), MD, OH, RI and N. Canada.	Singulair – Installed Cost of \$13,000 Hydro-Kinetic installed cost of \$15,000 Numbers assume using existing leaching pools	\$300 \$12 Month Operating Cost
3	Busse Green Technologies Busse MF [2]	Oak Park, IL; (and local rep in Bridgehampton, NY)	Membrane Bio Reactor	Prepackaged Above Ground System with built-in Septic Tank; reduced system footprint.	Approved & Installed in ME (4). Approved in MD, NJ. Provisional use approval in MA (2).	\$23K	\$500
4	Hydro-Action Industries - AN Series [5]	Plymouth, IN	Extended Aeration Activated Sludge	See #2 (above). (Detent-n Time > 24 hrs)	IL - 7,700 units, OH - 5,600 units, MD - 35 units	\$12,500 Installed Numbers assume using existing leaching pools	\$250 Operation Cost in first year: \$383.63 Operation Cost every year after: \$205.34

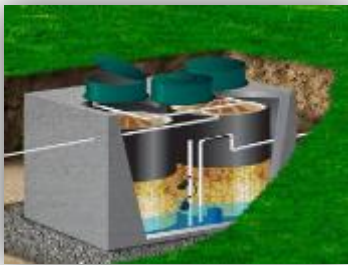
SUFFOLK COUNTY I/A SEPTIC DEMO – PHASE 2



1. EcoFlo Coco Filter



2. Amphidrome



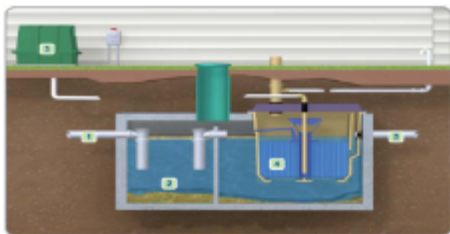
3. Waterloo BioFilter



4. Pugo Systems



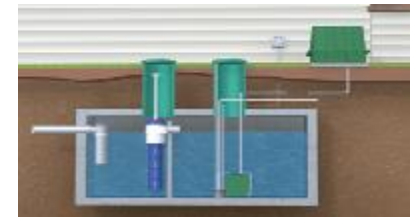
5. Fuji Clean USA



6. BioMicrobics: MicroFAST



7. BioMicrobics: SeptiTech STAAR



8. BioMicrobics: BioBarrier MBR

2016 DEMO PROGRAM INNOVATIVE & ALTERNATIVE TECHNOLOGY VENDORS

#	Name of Technology (# of units committed)	Location of HQ	Treatment Process	Where It's Installed and #	Cost Installed (self-reported)	Annual Maintenance
1	PremierTech Aqua (2) Ecoflo Coco Filter	Quebec Canada	Process where microorganisms responsible for treatment are attached to coconut husk media.	Approved & installed in 16 states More than 70,000 Ecoflo Peat and Coco filter systems in US and Canada	\$14,400.00 Numbers assume using existing leaching pools	\$150-\$300 \$25 / Year Operating Cost
2	F.r. manhony & associates inc. Amphidrome (2)	Rockland, MA	Biologically Active Filter (BAF) operating as a sequencing batch reactor.	Over 356 systems approved & installed in 9 states	\$19,241.00 Numbers assume using existing leaching pools	\$400 \$90 / Year Operating Cost
3	Waterloo Biofilter Waterloo Biofilter (2)	Rockwood, ON Canada	Absorbent trickle filter made of open-cell plastic foam cubes that retain water and host microbes.	Approved & Installed in 8 jurisdictions	\$16,750.00 Numbers assume using existing leaching pools	\$300 \$75 / Year Operating Cost
4	Adelante Consulting Inc Pugo Systems (3-4)	Los Alamos, NM	Aerobic biological treatment using fixed film media	New to Industry Suffolk County is First	\$14,824.00 Installed Numbers assume using existing leaching pools	\$250 < \$12 / Month Operating Cost
5	Fuji Clean USA Fuji System (4)	Brunswick, Maine	Contact filtration through aerobic and anaerobic treatment using fixed film media	Approval in 21 US States, Japan, and Australia Over 2 million systems installed worldwide	\$12,000.00 Installed Numbers assume using existing leaching pools	\$500 \$60 / Year Operating Cost

#	Name of Technology (# of units committed)	Location of HQ	Treatment Process	Where It's Installed and #	Cost Installed (self-reported)	Annual Maintenance
6	Biomicrobics MicroFAST	Shawnee, KS	Fixed activated sludge process.	Approved in 29 States	\$14,500.00 Numbers assume using existing leaching pools	\$250 - \$500 Operating costs not reported
7	Biomicrobics SeptiTech STAAR System	Shawnee, KS	Trickling media filter utilizing polystyrene beads	Approved in 8 States	\$20,000.00 Numbers assume using existing leaching pools	\$250 - \$500 Operating Costs Not Reported
8	Biomicrobics BioBarrier MBR	Shawnee, KS	Membrane Bio Reactor	Approved in 12 States	\$19,300.00 Numbers assume using existing leaching pools	\$500 - \$1,300 Operating Costs Not Reported