



PERFORMANCE STANDARDS

POLLUTANT	BASELINE SYSTEM STANDARDS Septic tank effluent	BASELINE SYSTEM STANDARDS @ base of 24 inch unsaturated zone	AEROBIC TREATMENT UNIT (effluent)	SECONDARY TREATMENT STANDARDS (effluent)	ADVANCED SECONDARY TREATMENT STANDARDS (effluent)	ADVANCED WASTEWATER TREATMENT STANDARDS (effluent)
CBOD₅ (Total Suspended Solids)	120-240 mg/l	< 5 mg/l	= or <30 mg/l	= or <20 mg/l	= or <10 mg/l	= or <5 mg/l
TSS (Total Suspended Solids)	65-176 mg/l	< 5 mg/l	= or <30 mg/l	= or <20 mg/l	= or <10 mg/l	= or <5 mg/l
TN (Total Nitrogen)	36-45 mg/l	15-25 mg/l	not applicable	not applicable	= or <20 mg/l	= or <3 mg/l
TP (Total Phosphorus)	6-10 mg/l	< 5 mg/l	not applicable	not applicable	= or <10 mg/l	= or <1 mg/l
Fecal coliform		undetected	not applicable	=or< 200 fc col/100 ml	=or<200 fc col/100 ml	BDL for 100 ml
DRAINFIELD REDUCTIONS	not applicable	not applicable	25% in slightly limited soil	25%	30%	40%
REDUCE:						
SETBACKS						
surface water	no change	no change	no change	65 ft	50 ft	25 ft
groundwater drains	no change	no change	no change	no change	10 ft	10 ft
dry retention & swales	no change	no change	no change	no change	10 ft	10 ft
SEPARATIONS to SHWT	no change	no change	no change	no change	no change	12 in
INCREASE AUTHORIZED FLOWS	no change	no change	no change	25%	50%	100%

Properly designed and monitored, Hoot Systems can be Engineered and Installed in Florida under all of the Categories Listed above in Yellow



Jeb Bush
Governor

John O. Agwunobi, M.D., M.B.A.
Secretary

December 3, 2003

Mr. Ron Suchecki
Hoot Aerobic Systems
2885 Highway 14 East
Lake Charles, Louisiana 70607

Dear Mr. Suchecki:

A review of the CBOD₅ and TSS reductions as submitted in the summary of the Baylor evaluation of the HOOT Aerobic Treatment indicates that the effluent can be reduced to less than 5 mg/l for each pollutant.

Since the HOOT system is approved as an NSF Standard 40 Class I ATU it qualifies for a 25% reduction in drainfield sizing when installed in a standard installation in slightly limited soils. See Chapter 64E-6.012 (2) (h), Florida Administrative Code.

When used in an engineer designed Performance-Based Treatment System the engineer may allow up to a 40% reduction in drainfield sizing. See Chapter 64E-6.028 (3) (i) 3, Florida Administrative Code.

If you have any questions please call me at 352.955.2159.

Sincerely,

Paul Booher, PE
Bureau of Onsite Sewage Programs
Division of Environmental Health

F:\n.Treatment System Manufacturer's/HOOT systems/Hoot drainfield size reductions-01-doc.