



Data Summary for SeptiTech® Model 400 System Under the EPA ETV Water Quality Protection Center

The following is a preliminary summary of the test results obtained for the SeptiTech® Model 400 System for nutrient reduction under the ETV Water Quality Protection Center. These results have been subjected to a thorough QA review, but will not be considered final until all EPA reviews have been completed. The testing was completed at the Massachusetts Alternative Septic Systems Test Center during the period of June 2001 through August 2002. A full report for this testing will be completed soon and posted on the EPA (www.epa.gov/etv) and NSF (www.nsf.org/etv) web sites.

Table 1. BOD₅/CBOD₅ and TSS Data Summary

	BOD ₅			TSS		
	Influent (mg/L)	Effluent (mg/L)	Removal Percent	Influent (mg/L)	Effluent (mg/L)	Removal Percent
Samples	54	54		54	54	
Average	250	5.4	98	150	3	98
Median	240	4.7	98	140	2	99
Max	380	22	>99	280	13	>99
Min	140	<2	93	73	<1	90
Std. Dev.	66	4.0	1.3	46	3	2.0

Table 2. Nitrogen Data Summary

	TKN (mg/L)		Ammonia Nitrogen (mg/L)		Total Nitrogen (mg/L)			Nitrate (mg/L)	Nitrite (mg/L)
	Influent	Effluent	Influent	Effluent	Influent	Effluent	Removal Percent	Effluent	Effluent
Samples	54	54	54	54	54	54		54	54
Average	39	6.8	24	5.1	39	14	63	6.7	0.32
Median	39	5.7	24	2.4	39	14	67	7.0	0.31
Maximum	69	27	29	20	69	27	82	15	0.70
Minimum	18	<0.5	19	0.6	18	7.5	21	0.3	0.04
Std. Dev.	6.6	6.3	2.3	5.2	6.6	4.6	14	4.5	0.10

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