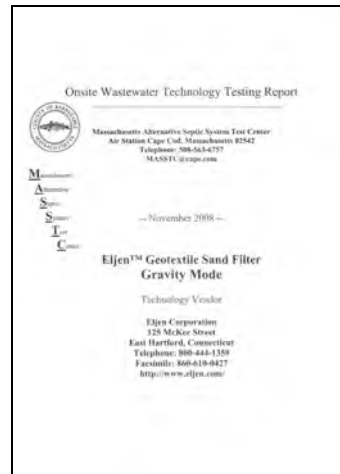
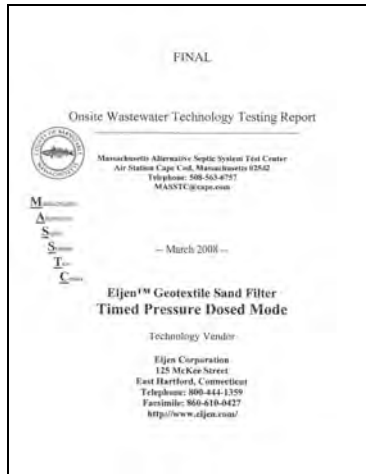
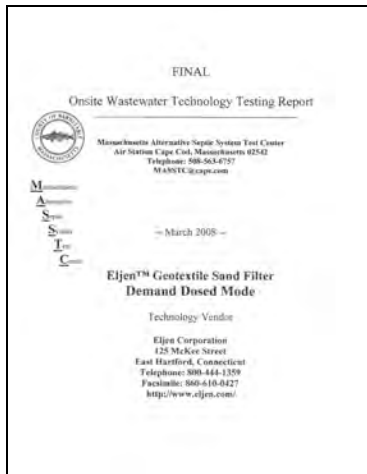




Innovative Environmental Products and Solutions Since 1970

Third Party Independent Testing Summary of Test Results



2008

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Performance Testing

Third party independent testing was conducted at the Massachusetts Alternative Septic System Test Center, MASSTC, on the Eljen Geotextile Sand Filter, GSF. Test results showed that the GSF exceeded the requirements of the NSF/ANSI Standard 40 Class 1 testing protocol, and provided advanced treatment of septic tank effluent to better than secondary treatment levels.

The following charts summarize 32 weeks of stringent testing in the Demand Dose, Time Pressure Dosed, and Gravity modes with values for Biochemical Oxygen demand (BOD), Total Suspended Solids (TSS), and values for reduction in Fecal Coliform.

For questions and additional information on MASSTC or the testing protocol, contact George Heufelder, M.S., R.S., Director, Massachusetts Alternative Septic System Test Center at 1-508-563-6757.

Table 1: CBOD and TSS Testing Values

GSF Modules Treatment Performance Demand Dosed Distribution		
<i>Wastewater Influent Median Characteristics: CBOD 180 mg/l & TSS 180 mg/l</i>		
	CBOD (mg/l)	TSS (mg/l)
Mean	2.0	2.7
Median	1.0	2.5
Min Value	1.0	2.5
Max Value	7.2	7.0

GSF Modules Treatment Performance Timed Pressure Distribution		
<i>Wastewater Influent Median Characteristics: CBOD 180 mg/l & TSS 190 mg/l</i>		
	CBOD (mg/l)	TSS (mg/l)
Mean	2.6	2.7
Median	2.2	2.5
Min Value	1.0	2.5
Max Value	14.0	9.0

GSF Modules Treatment Performance Gravity Distribution		
<i>Wastewater Influent Median Characteristics: CBOD 180 mg/l & TSS 180 mg/l</i>		
	CBOD (mg/l)	TSS (mg/l)
Mean	8.0	7.4
Median	7.6	5.0
Min Value	1.0	2.5
Max Value	18	55

Table 2: Fecal Coliform Testing Values

Fecal Coliform Reductions	
Distribution Mode	Percent Reduction
Demand Dosed Mode	98.740 - 99.998%
Time Pressure Dosed Mode	98.415 - 99.999%
Gravity Mode	90.000 - 99.000%