

ClearPod Case Study: Single Chamber Septic Upgrade

Location: Ontario, Canada
Partner Installer : ESSE
Installation: Summer 2014



Problem:

Our on-site partners at ESSE identified a client looking to install a preventative upgrade and extend the lifetime of their existing septic system.



ClearPod Solution:

ClearPod was placed into the single chamber septic system (800 gallon tank) with an effluent filter. The system was installed in June 2014 and received annual maintenance check-up to ensure it is operational.

Results:

Sample date	Lab ID	Parameter	Results	Unit	RDL	Date	Method Analyzed
2016-02-23	443398	cBOD	8.8	mg/L	2.0	2016-02-24	APLHA 5210 B
		TSS	7	mg/L	1.0	2016-02-29	APLHA 2540 D

Performance - Recent wastewater sampling from this test site has indicated effluent of 8.8 mg/L cBOD and 7 mg/L TSS. This results indicate an approximate **removal rate of BOD / TSS of 90 - 95%** and **significantly reduced load to the subsequent leach field**. This reduced loading to the leach field will significantly improve hydraulic flow and extend the life time of the system.

Upgrade Opportunity - This clearly demonstrates the **benefit of a standard septic system upgrade** and the **improved effluent** that can be attained from an upgraded system.

Cost Benefit - The reduced loading to the leach field should **eliminate the chance for leach field failure and costly repair or replacement**.



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