
Key feature: “Sustainability”

Factory-built Turn-key Wastewater Treatment Systems



Every installation of a septic system requires a site specific design.

While in some cases “conventional” septic systems are still adequate, more and more jurisdictions require a better quality of treated effluent; this requires more complex installations and packaged on-site treatment plants

The EcoSeptic line of **above ground wastewater management systems** offers a unique and sustainable solution:

- All parts of the wastewater management system (including septic tanks) are placed above ground – only minimal earth moving is required, only minimal impact on the existing site and landscape.

The self-contained wastewater management systems have been manufactured since 2000 and provide an environmentally friendly solution to temporary and permanent installations requiring superior quality treated effluent.

Ideally suited for installations such as:

- **Single family residential housing units**
- **Seasonal cottage, recreational & off grid housing units**
- **Remote tourist establishments, lodges, outpost camps**
- **Residential housing subdivision developments**



3 base models are available to suit most applications.

Based on these core models numerous sizing combinations are possible. The system components are modular and we can supply treatment modules ranging from 3 person occupancy to 250 person occupancy.

Three models are available with the following capacities:

Unit	Capacity	Unit Dimension	Septic Tank Capacity	Power Requirement
ES 1600	One 3-bedroom dwelling	4' x 7'6" x 7'2" high or 7' x 7' x 8' high	3200 liter	110 VAC
ES 5000	Three 3-bedroom dwellings	20' ISO container	10,000 liter	110 or 220 VAC
	Three 2-bedroom dwellings plus one 3-bedroom dwelling			
ES 10000	Six 3-bedroom dwellings	40' ISO container	20,000 liter	110 or 220 VAC
	Nine 2-bedroom dwellings			

CONVENIENCE:

The entire wastewater technology is developed as a **stand-alone module** that can easily be shipped and installed on any installation site.

The unit is factory assembled at the plant location near Winnipeg, Manitoba and is delivered to the installation site in a **ready-to operate condition**.

- The required labour time for site installation is drastically reduced.
- No requirement for the installation of underground septic tanks – no blasting, no excavation and only minor surface earthwork and grading is required.

Treatment results of the integrated wastewater treatment system depend on the incoming sewage quality. On average, the treatment will result in the following discharge quality:

BOD	below 10 mg/l
TSS	below 10 mg/l
Coliform	99% removal of fecal coliform



TECHNOLOGY:

The self contained utility technology was developed between 1999 and 2006.

The research, product development and prototype was partially supported by Canada Mortgage and Housing Corporation (Research Division), Industry Canada and the National Research Council.

- In 2000, the related EcoNomad™ utility appliance technology was chosen for the Canada Mortgage and Housing Millennium Housing Award (Technology Category).
- In 2007 the related EcoNomad™ technology was selected as the national winner (Canada) in the international “Energy Globe” sustainable technology competition; sponsored by the European Parliament in Brussels.

CONTACT:

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