

# Key feature: “Proven Technology”



## Robust Transportable Factory-built Wastewater Treatment Systems

Our containerized 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:

- Temporary construction sites, spill clean-up sites, environmental remediation sites
- Oilfield, mining or exploration camps
- Construction camps, road construction or winter road construction
- Fire fighting camps, tree planting or disaster relief camps
- Military or peacekeeping application
- Remote tourist establishments, lodges, outpost camps
- Single family residential housing and subdivision developments

**5 models are available to suit most applications.**

The most common are 20 and 50-person-units and based on these core models numerous sizing combinations are possible. The system components are modular and we can supply and service installations ranging from 3 people to 250 person occupancy.

## Five models are available with the following capacities:

Unit	Capacity	Unit Dimension	Septic Tank Capacity	Power Requirement
ES 500	2 to 3 person	3'4" x 7'6" x 7'2" high	1,000 liter	110 or 220 VAC
ES 600	3 to 5 person	3'4" x 7'6" x 7'2" high	1,200 liter	110 or 220 VAC
ES 1000	6 person	4' x 7'6" x 7'2" high	2,000 liter	110 or 220 VAC
ES 5000	20 to 22 person	20' ISO container	10,000 liter	110 or 220 VAC
ES 10000	45 to 50 person	40' ISO container	20,000 liter	110 or 220 VAC

## CONVENIENCE:

The entire wastewater technology is developed as a **stand-alone module** that can easily be supplied, rented or leased to any installation site.

The unit is factory assembled at the plant location in Sanford (Manitoba) or Nanton (Alberta) and is delivered to the installation site in a **ready-to operate condition**.

No requirement for the installation of underground septic tanks – no blasting, no excavation and only minor surface earthwork and grading is required.

- **Each self-contained treatment unit contains Waterloo Biofilter's patented foam medium which acts as a gravity trickle filter. The Waterloo Biofilter foam allows for bacterial-microbial growth which removes contaminants and nitrifies ammonium in the wastewater.**

"Treatment results of the integrated wastewater treatment system depend on the incoming sewage quality.

On average, the treatment should result in the following discharge quality:

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

## TECHNOLOGY:

In 2003, the technology was first introduced into the western Canadian oil field servicing industry.

Presently the Alberta based leasing company has on average 60 treatment units under lease to such companies as: Devon Energy Corporation, EnCana Corporation, Apache Corporation, Blackrock Ventures, Burlington Resources, Fairborn Energy Trust and numerous others

## CONTACT:

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