

# Key feature: “Compact solution”



## Small scale Wastewater Treatment Systems

Architectural & Community Planning Inc. has been manufacturing containerized wastewater treatment systems since 2000. This technology provides an environmentally friendly solution to temporary and permanent installations requiring superior treated effluent.



In response to specific client requests, ACPI has developed 3 units suitable for small sewage flows. The **WTS 500**, **WTS 600** and **WTS 1000** units are housed in a custom galvanized metal clad structure – 40” wide, 82” long and 82” high (including C-channel skid).

Based on semi-permanent construction camp water calculations:

The <b>WTS 500</b> unit can handle a daily sewage inflow of	500 liters	(2-3 people)
The <b>WTS 600</b> unit can handle a daily sewage inflow of	600 liters	(3-4 people)
The <b>WTS 1000</b> unit can handle a daily sewage inflow of	1000 liters	(5-6 people)

For shipment, these units can be placed inside conventional ISO shipping container units.

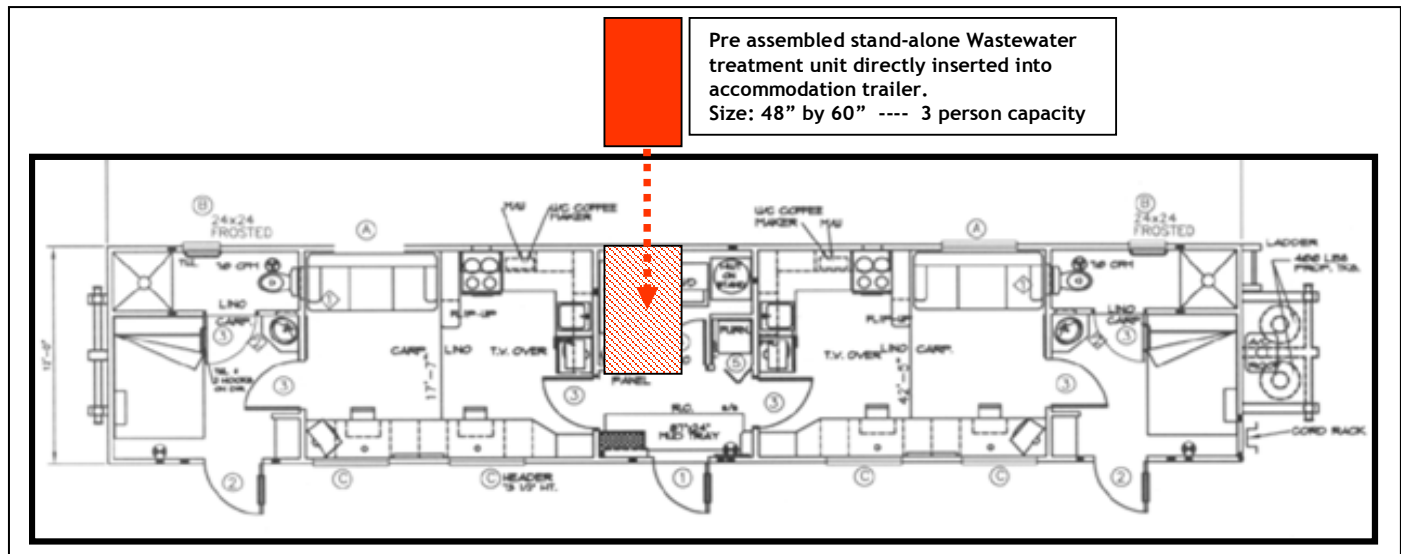
These smaller units complement the ACPI wastewater technology and are ideally suited for installations such as:

- **Small temporary construction sites, winter road construction sites**
- **Short term spill clean-up or environmental remediation sites**
- **Guardhouses**
- **Fire fighting command centers or tree planting operations.**



## ADAPTABLE TECHNOLOGY:

Without changing any part of the treatment technology, the unit as a whole can be integrated into a containerized office or storage unit or even into a conventional wet sleeper or consultants shack.



## CONVENIENCE:

The entire wastewater technology is developed as a **stand-alone module** that can easily be supplied to any installation site. Septic tanks, treatment system, disinfection and all control and alarms are combined into a singular enclosure. The unit is factory assembled 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.

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

The technology was granted variances by several Provincial Governments in Canada to allow for a streamlined application and installation process.

## TECHNOLOGY:

In 2003, the technology was first introduced into the western Canadian oil field servicing industry. Presently the associated leasing company has on average 100 treatment units under lease to numerous companies in the oil and gas exploration, forestry and mining business.

## CONTACT:

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