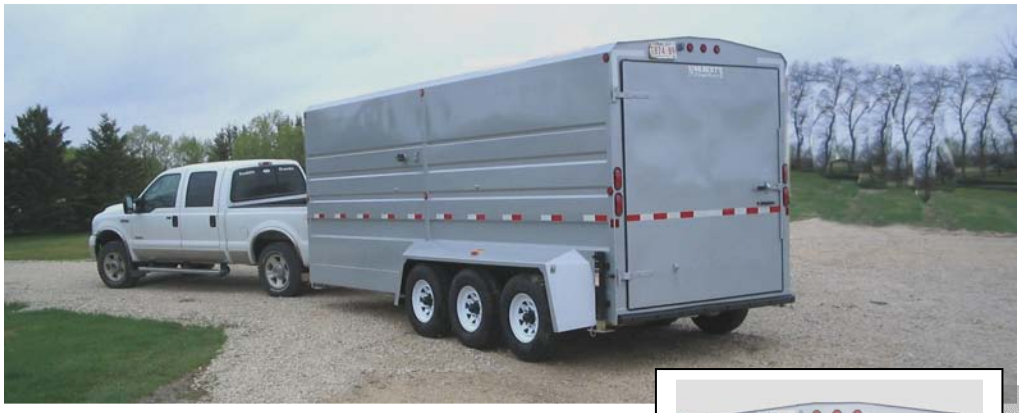
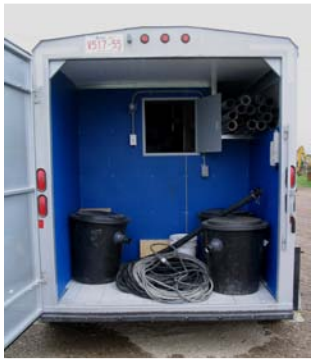
# Key feature: "Mobility"





# Factory-built Robust Transportable Proven Technology Wastewater Treatment System

The wastewater treatment units is trailer mounted, mobile and can be towed by any heavy duty truck. Ideally suited for short term installations such as:

- Temporary drill sites and oil and gas field servicing contracts
- Temporary construction sites, spill clean-up sites, short term environmental remediation sites
- Construction camps, road construction or winter road construction
- Fire fighting camps, disaster relief camps
- Military application

**Currently three models are available with the following capacities:**

| Series | Application | Capacity | Trailer | Dimension | Septic Tank Capacity | Power Requirement |
|---|---|---|---|---|---|---|
| **PWTS 750** | Temporary, semi permanent camp | 3 to 4 person | Dual Axle | 7' wide x 12'long no storage area | 1500 liter | 110 or 220 VAC |
| | Construction site (showers on site) | 10 person | | | | |
| | Public Parks (toilet & sink only) | 37 person | | | | |
| **PWTS 1500** | Temporary, semi permanent camp | 7 to 8 person | Triple Axle | 7' wide x 20'long 4'x 6' storage area | 3000 liter | 110 or 220 VAC |
| | Construction site (showers on site) | 20 person | | | | |
| | Public Parks (toilet & sink only) | 75 person | | | | |
| **PWTS 2000** | Temporary, semi permanent camp | 10 person | Triple Axle | 7' wide x 20'long no storage area | 4000 liter | 110 or 220 VAC |
| | Construction site (showers on site) | 27 person | | | | |
| | Public Parks (toilet & sink only) | 100 person | | | | |

# PROVEN:

The transportable waste treatment technology was developed in 1999. In 2003, the technology was first introduced into the western Canadian oil field servicing industry.

Presently, the associated Alberta based leasing company has on average 100 treatment units under lease to numerous companies in the oil and gas exploration, forestry and mining business.

# TECHNOLOGY:

Dual chamber septic tanks (including aeration and fixed film media) are securely installed in the insulated trailer unit.
The pre-treated wastewater is dosed over a proven, extremely lightweight treatment medium and the treated effluent is collected for recirculation or for final discharge. Following ultra-violet light treatment and disinfection (depending on the authority having jurisdiction) the effluent is usually discharged directly above ground.

Treatment results depend on 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 has obtained variances from several Provincial Governments in Canada allow for a simplified and more streamlined application and installation process.

# CONVENIENCE:

The trailer is extremely robust – a welded steel structure: 14 ga. walls with 3/16" heavy wall at floor area, 14 ga. roof.
Triple torsion ride 7000 lbs axles and 16” 10 ply tires
Epoxy undercoating inside and outside, urethane paint on all metal surfaces; 1/8” aluminum checkered plate rock guard
Fully insulated to average R 18 and designed for continuous 4-season-operation
Convenient through-wall connections for dual raw sewage inlets, single outlet and hook-up for external power supply
110 or 240 VAC power supply is required to operate the unit; NEMA 4 housing for control panel.

The trailer has an integrated 4’ x 6’6” **workshop or storage area** in the back of the trailer unit.
With this extra workshop area the trailer can be considered an on-site servicing unit or alternatively this extra room allows for convenient transport of all equipment and supplies required for site installation – **a compact solution**.

**The wastewater treatment unit operates in two modes:**

**Stationary mode:** The treated effluent is discharged above or below ground as per Provincial regulation and variance.

**Transit mode:** In preparation for transit, no sewage or only a part of the sewage in the tanks has to be removed. The unit is fully self-contained and fully operational in transit. The sewage will be re-circulated and treated even during transport -- allowing for a very high quality of treated effluent once discharged. The in-transit re-circulation option of the sewage is patented in the US and Canada and ACPI is the sole license holder of this specific treatment technology.

# CONTACT: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