
Key feature:

“Utility Integration”

**Robust
Transportable
Factory-built**

**Combined Power and
Wastewater
Treatment System**



The “**Combo Unit**” combines a 55 KW power generation system with an environmentally friendly wastewater management system into **one singular stand-alone appliance**.

- A reliable Isuzu engine (208 V, 3 phase, 55 KW) is used in conjunction with a Stamford generator unit as power supply.
 - Protected by a 200 AMP breaker, eight 30 AMP power outlets are available for external uses (or one optional 100 AMP outlet)
 - In addition, the self contained wastewater treatment system is also powered by the genset unit.
 - A 3000 liter dual shell fuel tank and a convenient working platform are integrated into the skid design.
 - A light plant can be supplied as optional equipment



The wastewater system has a custom designed dual chamber septic tank, treatment system, pumps, controls and alarms. Depending on unit size it can accept between 3000 liters and 6000 liters of raw sewage per day for treatment – providing services for a 12 person or 32 person work camp installations.



The combo unit is ideally suited for installations such as:

- **Temporary work camp installations for oilfield, mining, exploration and remote research projects**
 - **Temporary construction sites, spill clean-up sites, short term environmental remediation sites**
 - **Site supervision office for construction camps or (winter) road construction**
 - **Fire fighting camps or disaster relief camps**
 - **Guardhouses for traffic monitoring, site security and restricted access roads**
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Currently three models are available with the following capacities:

Unit	Supply of Power and Wastewater services for :	Capacity	Dimension	Septic tank Capacity	Power Output (continuous)
CPWW 3000/30	Guardhouse	15 person	20' ISO container	6,600 liter	30 KW (3000 liter dual shell fuel tank incl.)
	Construction site office	40 person			
	Temporary, semi permanent camp	12 to 15 person			
CPWW 3000/52	Construction site office (showers on site)	40 person	20' ISO container	6,600 liter	52 KW (3000 liter dual shell fuel tank incl.)
	Temporary, semi permanent camp	12 to 15 person			
CPWW 6000/100	Construction site office (showers on site)	80 person	40' ISO container	16,000 liter	Duplex 52 KW (3000 liter dual shell fuel tank incl.)
	Temporary, semi permanent camp	30 person			

Additional configurations are available upon request.

CONVENIENCE:

The seamless integration of a reliable power supply with the convenience of an environmentally friendly wastewater management system creates a **stand-alone module** that can easily be supplied, rented or leased to any remote work site.

- The wastewater treatment unit is factory assembled and is delivered in a **ready-to operate condition**.
- No requirement for installation of underground septic tanks or frozen piping systems.
- If required, a disinfection component can be added to the wastewater treatment system.

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 more streamlined application and installation process.



TECHNOLOGY:

The transportable “integrated utility technology” was developed in 1999. In 2003, the equipment 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.

CONTACT:

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