
Key feature:

“Utility Integration”



**Robust
Transportable
Factory-built**

Combined Power and Wastewater Treatment System

The CPWW containerized utility appliance combines a 30 KW or 50 KW power generation system with an environmentally friendly wastewater management system into **one singular stand-alone appliance.**

- A reliable John Deere engine is used in conjunction with a Mecc Alte generator unit as power supply.
 - Protected by a 200 AMP breaker, one 50 AMP and three 30 AMP power outlets are available for external uses. In addition, the self contained wastewater treatment system is also powered by the genset unit.
 - If required an external fuel storage system can be added to the power unit
- 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 liter and 6000 of raw sewage per day for treatment.

The combined unit is ideally suited for short term 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

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	3 person	20' ISO container	6,600 liter	30 KW
	Construction site office	3 person			
	Temporary, semi permanent camp	10 to 13 person			
CPWW 3000/50	Construction site (no showers on site)	75 person	20' ISO container	6,600 liter	50 KW
	Construction site (showers on site)	30 person			
	Temporary, semi permanent camp	10 to 13 person			
CPWW 6000/50	Construction site (no showers on site)	75 person	40' ISO container	16,000 liter	50 KW
	Construction site (showers on site)	30 person			
	Temporary, semi permanent camp	30 to 32 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.
- **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.**
- 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

TECHNOLOGY:

The transportable "integrated utility technology" was initially developed in 1999. In 2003, the wastewater treatment equipment 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, Fairborn Energy Trust and others

CONTACT:

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