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# Key feature: "One-Stop-Solution"

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## Wastewater Treatment Systems for Large Work Camp Installations

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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 quality treated effluent.

Ideally suited for installations such as:

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



The 50-person wastewater treatment technology is housed inside a standard 40' ISO shipping container and based on this core model numerous sizing combinations are possible --- up to 500 person occupancy.

- Larger installations are available upon request, but will require in-depth site assessment.

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## LEASING OPERATION:

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In Alberta, Saskatchewan and BC, an associated leasing company (Waste Treatment Solutions Ltd.) is providing a comprehensive leasing operation to supply, service and troubleshoot the treatment units.

Waste Treatment Solutions Ltd. also provides long distance and remote location trucking services.

- **24/7/365 availability is guaranteed and trained maintenance staff is centrally located in Nanton and Edson (main servicing facility and maintenance shop).**
- **In addition, a smaller service center is located in Moosomin (SK).**



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## CONVENIENCE:

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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 has obtained variances from several Provincial Governments to allow for a streamlined application and installation process.

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## TECHNOLOGY:

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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 80 treatment units under lease to such companies as: EnCana Corporation, Apache Corporation, Fairbourne Energy Trust and numerous others.

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## CONTACT:

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