



*Package Water & Waste
Treatment Plants*

*Custom engineered
for specific water
analysis and budget*



Award-winning design; reliable, cost effective package treatment plants

BI Pure Water's pre-assembled water and waste treatment plants in containers are cost-effective in systems treating between 2500 and 800,000 US gpd.

We use a variety of treatment technologies, often within one system, for optimal water quality and system efficiency. Each system meets or exceeds water quality regulations, and customer goals.

Our treatment plants are at work across Canada and internationally, from hard-to-service areas such as remote work camps to Arctic communities.

We design for challenging water sources such as high turbidity/silt in rivers and hardness in prairie well water. We have developed turn-key mineral removal systems for agriculture and industry, and waste water treatment systems for mines and industrial processes.

Among our customers are all levels of government, private resorts, industries, waste treatment sites and mines.

Package Water Treatment Plants are;

- Easy and quick to install, integrate into existing facilities, and start up
- Pre-testing minimizes initial operating problems
- Built-in automation and remote control options minimize the need for operator supervision and intervention
- Containers have long life and storm resilience

Potable Water • Process Water • Wastewater Treatment • Desalination for brackish water and seawater • Water Recycling



Self cleaning disc filters extend the life of succeeding treatment units



We use reverse osmosis for a variety of difficult water conditions such as salt water



We use high performing filtration media such as GreensandPlus for removing iron and manganese in hard water



Ultrafiltration, a membrane filtration process, is ideal for reducing TDS. One micron filtering without chemicals



Package plants are shipped complete to remote industrial, mine or work camps. They are easy to commission, low maintenance, and portable. Systems can be monitored remotely with an internet connection.



A small RO brackish water recycling unit saves an oil and gas camp \$1 Million a year on wastewater disposal fees and protects the environment.

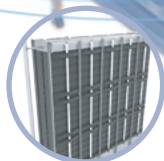


Ultrafiltration helped a river side community deal with fluctuating turbidity levels, especially during spring freshet, and riverborne contaminants. Years of water quality problems were solved - with less ongoing maintenance cost.

Custom engineered treatment systems



Specific minerals are removed such as uranium or iron with media vessels



Membrane bioreactors for sewage and waste treatment



All sizes of UV units for primary water sterilization



Our chlorinators use dry tablet calcium hypochlorite



Industrial sites such as this Alberta coal power plant have RO/UF systems for process water reclamation or potable water production.



This award-winning small filtration/UV/chlorination system for a First Nations community is simple and effective at fixing the community's long term boil-water advisory. The system has remote monitoring for the offsite plant operator.



Mobile, trailer, or truck-skid systems are fitted with water treatment equipment for emergency water treatment on wheels.



*North American
award winning
design &
manufacture*

bipurewater.com





"Concept to operation" build process



Experts at:
Controls and
Automation

Pumping
Systems

Chemical Dosing
Systems

Instrumentation



Selected Recent Projects

Industrial and Wastewater Treatment

2017	Victoria Harbour (Alterra Env)	Dredging filtration
2016	Swan Hills Hazardous Waste Centre	UF/RO process water reclamation
2015	Horizon North Camps	RO brackish water reclamation
2014	Kemetco Manganese	Cyanide detox system (mine waste treatment)
2013	TransAlta Power	RO/ultrafiltration for coal powered utility
2013	ECA Solutions, BC	Chlorine Systems
2004-15	IPAC Chemicals	Pumping Systems

Municipal Water Treatment

2017	Boss Creek subdivision, Vernon, BC	pump stns/chlorination
2016	Simon Fraser University	Chlorinator
2016	University of BC	Emergency water treatment trailer
2016	Cambridge Bay, NU	Package water treatment plant (PWTP)
2015	Ladysmith, BC	Reclaimed water filtration system
2014	Kugaaruk, Nunavut	UV/filtration water treatment plant (WTP)
2013	City of Vancouver, BC	UV pool system

First Nations Water Treatment

2014	Lytton/Nickeyeah, BC	UV/filtration PWTP upgrade
2010	Liard First Nation, YK	Greensand PWTP
2010	Little Sask First Nation	Membrane Water Treatment

Resort and Private Water Systems

2015	Myrtle Pond, Powell R., BC	filtration PWTP
2013	Black Tusk Village, BC	PWTP
2011	Birkenhead Lake Est, BC	chlorination/water storage PWTP
	Rivershore Estates, BC	Ultrafiltration PWTP
2010	Raymond Shores, AB	Media Filtration PWTP

Remote Work Sites

2017	BCHydro Site C	Concrete plant water supply, pumping stations
2014	Canadian Natural Resources	Greensand PWTP
2012	Laricina Energy, AB	PWTP
	Ausenco Western Coal	PWTP
	Aramark Canada, BC	Potable Water Storage
	Devon Energy, AB	PWTP
2011	Mosaic Potash, SK	PWTP

Food & Agriculture Disinfection Systems

2010-17	ATD Waste Systems	Agri waste (manure) treatment/water reclamation
2014	Norwood Packaging	Water purification
2010	BC Ministry of Forests	pH Correction system
	UBC Biosciences	Fisheries Dechlorination & wastewater
2009	Agriculture Canada	Chlorination plants



BI Pure Water Inc.

#2 - 9790 190th Street
Surrey, BC, Canada

Tel: (604) 882-6650

Toll-free: 1 (888) 901-3111

Fax: (604) 882-6659

bipurewater.com