

PROJECT PROFILE

Modular Water Treatment Plants

Creating Solutions Building Partnerships



CORIX Water Systems provides modular water treatment plants to the Northwest Territories.

Supplying Modular Water Treatment Plants to Remote Communities

Faced with the need to replace aging infrastructure in five communities, the Government of the Northwest Territories was also presented with twin financial challenges – a tight budget along with high inflation rates.

With an innovative, one-stop approach, CORIX Water Systems was awarded the project to design, fabricate and deliver five new water treatment plants to the remote communities of Aklavik, Behchoko, Deline, Tuktoyaktuk and Ulukhaktok in the Northwest Territories.

Commissioned in 2009 and 2010, CORIX developed modular plants that provided the perfect solution to the unique challenges of providing safe and clean drinking water to the five communities.



SKID FABRICATION



SPRAY FOAM



PROCESS PLANT ASSEMBLY

What are Modular Water Treatment Plants?

Modular plants are cost effective, “plug and play” solutions that are designed, built and pre-tested by CORIX engineers in a controlled environment. CORIX Water Systems specializes in developing modular plants that are pre-fabricated, self-contained, turn-key and transportable.



BUILDING CONSTRUCTION

Advantages of Modular Water Treatment Plants

ONE-STOP SOLUTION

CORIX Water Systems acts as a single source provider and delivers complete turn-key packages that include the design, fabrication and testing of all units to ensure they are operational before shipping to site. We also provide start-up and commissioning services, operator training and long-term plant ownership and operations for customers with limited resources.

COST EFFECTIVE

The end-to-end process of design and fabrication is completed in a controlled manufacturing facility rather than in-situ, which cuts construction costs and speeds delivery times by eliminating the expensive and time consuming logistical challenges of on-site building and testing in remote locations.

APPLICATION SPECIFIC

Self-contained, relatively compact and transportable units are ideal for use in remote locations and applications where adding supplementary water treatment capacity is limited by space or other factors.

SUSTAINABLE

Our plants feature an uncomplicated and easily maintained design, resulting in reduced life-cycle fees and economical, trouble-free and long-term operation.



LOADING FOR TRANSPORTATION



SITE PREPARATIONS



TRANSPORTATION

Delivering the CORIX Advantage

Working closely with the Government of the Northwest Territories and the local communities, CORIX Water Systems developed these innovative modular water treatment plants to meet the specific challenges and needs of over 3,200 people in five remote communities.

All five plants were successfully delivered on time and on budget. Commissioning was completed in 2009 and 2010, and the plants now operate at design capacity, providing essential, clean drinking water that meet Guidelines for Canadian Drinking Water Quality more cost effectively than ever before.

Creating Solutions, Building Partnerships

CORIX has over 65 years in experience in all aspects of developing and operating sustainable water, wastewater and energy infrastructure projects. In addition to unparalleled expertise, CORIX brings strong and stable financial and corporate foundations to all our projects through our principal owners, CAI Capital Management and BC Investment Management Corporation – both of whom are established and highly-visible members of the investment community.



PLANTS IN OPERATION IN THE NORTHWEST TERRITORIES



Contact CORIX Water Systems to discuss your project needs.

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