

# Case Study

## Quick Facts

Application: Commercial  
Product: Platinum Submerged Aerated Filter with Puraflo® Peat Fiber Biofilter  
Installer: Dufour Enterprise Ltd.  
Distributor: EMCO Waterworks  
Location: Quesnel Lake, Manitoba

## A High-Quality Treatment Solution Designed to Meet Environmentally Sensitive Standards

### Situation

Quesnel Lake Caribou Lodge is located in an area of Manitoba popular for its pristine surroundings. But as a result of the more stringent environmental standards of Manitoba Conservation, the lodge owners needed to upgrade their present wastewater system to meet the newer standards. With no access to a municipal sewer system and no power source available, the new treatment system required high-efficiency with very low power consumption.

### Solution

Installation was done in two stages, the first of which employed the existing ejector system. This was accomplished using two Anua Platinum 24 submerged aerated treatment units, along with a 2000 gallon pump tank. Employing this method allowed the use of an ejector for the first season and, by substantially reducing the effluent strength, a temporary license was awarded for that season.

The second phase of the installation involved erecting a raised mantle portion of the area bed along with 16 Puraflo modules. Installing the two Platinum treatment units substantially reduced the size and quantity of materials required for construction. A sequencing valve was installed ensuring the system was only pumping to four Puraflo units at a time, reducing the cost and complexity of the system.



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## Results

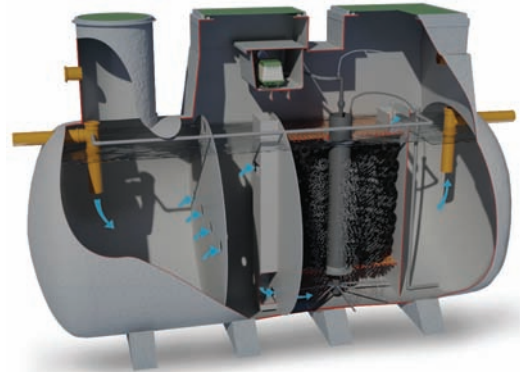
Careful planning and the use of diverse technology allowed the system to be implanted in stages satisfying the owners and the regulatory authorities. After careful inspection, Manitoba Conservation issued Quesnel Lake Caribou Lodge its environmental license to continue operations.



By allowing less nitrogen and fewer pathogens to enter the environment, Anua's Platinum and Puraflo solution better protects the area's fishing and wildlife.



*After installation of the two Platins*



**Platinum**  
Wastewater Treatment



**Puraflo®**  
Peat Fiber Biofilter  
for Clean Water

