Platinum

Submerged Aerated Filter

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 treatement 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.

ANUA

Results

The Platinum replaces the need for a costly alternative treatment system and produces the high-quality effluent needed for environmentally-sensitive areas. Key product benefits include: underground installation (including blower and low profile access covers), submerged aerated filter with no by-pass of media, integrated biomass return from clarifier to primary tank and small footprint. Platinum can be used in residential, small neighborhood and commercial applications.

After installation of the two Platinums

Platinum

Puraflo