

Environment Act Licence

Manitoba
Environment



Licence No. 1725
Issue Date NOVEMBER 5, 1993

In accordance with the Manitoba Environment Act (C.C.S.M. c.E125)

THIS LICENCE IS ISSUED TO:

INTERLAKE RESERVES TRIBAL COUNCIL INC.; "the LICENCEE"
(PINEIMUTA PLACE WASTEWATER TREATMENT LAGOON)

The following limits, terms, and condition shall be complied with in connection with the development being the operation of a wastewater collection system and a wastewater treatment lagoon located in the NE 1/4 Section 18, Township 31, Range 9 WPM and with discharge of treated effluent into a Discharge ditch before entering the waters of Pineimuta Lake:

DEFINITIONS

In this Licence,

"**Director**" means an employee designated pursuant to the Environment Act;

"**effluent**" means treated wastewater flowing or pumped out of the wastewater treatment lagoon;

"**five-day biochemical oxygen demand**" means that part of the oxygen demand usually associated with biochemical oxidation of organic matter within 5 days at a temperature of 20°C;

"**hydraulic conductivity**" means the ability of soils to transmit water in liquid form through the pores;

"**MPN Index**" means the most probable number of coliform organisms in a given volume of wastewater which, in accordance with statistical theory, would yield the observed test result with the greatest frequency;

"**primary cell**" means the first in a series of cells of the wastewater treatment lagoon system and which is the cell that receives the untreated wastewater.

Discharge, Limits, Terms and Conditions

1. The Licencee shall not discharge effluent from the wastewater treatment lagoon:
 - (a) where the organic content of the effluent, as indicated by the five day biochemical oxygen demand, is in excess of 30 milligrams per litre;
 - (b) where the fecal coliform content of the effluent, as indicated by the MPN index, is in excess of 200 per 100 millilitres of sample;
 - (c) where the total coliform content of the effluent, as indicated by the MPN index, is in excess of 1500 per 100 millilitres of sample; or
 - (d) between the first day of November of any year and the fifteenth day of May of the following year.

General Specifications

2. The Licencee shall install a fence around the wastewater treatment lagoon to limit access.
3. The Licencee shall operate and maintain the wastewater treatment lagoon in such a manner that:
 - (a) the release of offensive odours is minimized;
 - (b) the organic loading on the primary cell of the wastewater treatment lagoon, as indicated by the five day biochemical oxygen demand, is not in excess of 56 kilograms per hectare per day; and
 - (c) the depth of sewage in the primary cell does not exceed 1.5 metres.
4. The Licencee shall, in case of physical or mechanical breakdown of the wastewater collection and/or treatment system:
 - (a) notify the Director immediately;
 - (b) identify the repairs required to the wastewater collection and/or treatment system; and
 - (c) complete the repairs in accordance with the written instructions of the Director.

Construction Specifications

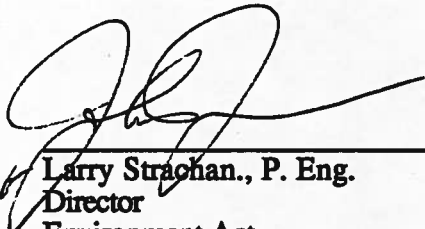
5. The Licencee shall construct the wastewater treatment lagoon with clay or other suitable material such that all interior surfaces of the lagoon structure are underlain with a minimum of 1 metre of soil having a hydraulic conductivity of 1×10^{-7} centimetres per second or less.

Monitoring and Reporting Specifications

6. The Licencee shall upon written instructions from the Director:
- (a) subject undisturbed soil samples, from the completed wastewater treatment lagoon, to hydraulic conductivity tests, the number and location of samples to be specified by the designated Environment Officer up to a maximum of twenty samples; or
 - (b) where undisturbed soil samples cannot be taken, test the soil of 4 plane surfaces from the completed wastewater treatment lagoon, for hydraulic conductivity by an insitu field test method as prescribed by the designated Environment Officer; and
 - (c) report the results of the above-noted hydraulic conductivity tests to the Director.

REVIEW OR REVOCATION

If in the opinion of the Director the Licencee has exceeded or is exceeding the specifications, limits, terms, or conditions set out herein, the Director may revoke, temporarily or permanently, this Licence.



Larry Strachan., P. Eng.
Director
Environment Act

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