

Environment Act Licence

Manitoba
Environment



Licence No. 1529

Issue Date JANUARY 28, 1992

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

THIS LICENCE IS ISSUED TO:

RURAL MUNICIPALITY OF St. LAURENT; APPLICANT
WASTEWATER TREATMENT LAGOON

The following limits, terms and conditions shall be complied with in connection with the construction and operation of a wastewater treatment lagoon located in the southwest quarter of Section 29, Township 17, Range 4 WPM in the Rural Municipality of St. Laurent and with discharge of treated effluent via a 3rd order drain, known as Wagon Creek, to Lake Manitoba:

1. The Applicant shall direct all sewage generated within the municipality toward the wastewater treatment lagoon or other approved sewage treatment facilities.

2. The Applicant 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;

- (d) between the first day of November of any year and the 15th day of June of the following year, unless prior approval, by the Director, is given;
 - (e) when flooding from any cause is occurring along the effluent drainage route; or
 - (f) when such a discharge will cause or contribute to flooding in or along the effluent drainage route.
3. The Applicant 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 lagoon system, 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 cells does not exceed 1.5 metres.
4. The Applicant 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;
 - (c) complete the repairs in accordance with written instructions of the Director.

5. The Applicant shall, prior to the construction of the dikes for the wastewater treatment lagoon:
 - (a) remove all organic topsoil from the area where the dikes will be constructed; or
 - (b) remove all organic material for a depth of 0.3 metres and a width of 3.0 metres from the area where the dike will be built.
6. The Applicant shall construct the dykes and the keyway for the wastewater treatment lagoon system with clay or other suitable material such that the keyway and all interior surfaces of the lagoon dykes are constructed with a minimum of 1 metre of soil having a hydraulic conductivity of 1×10^{-7} centimetres per second or less.
7. The Applicant shall advise the designated Environment Officer when the construction of the keyway is to commence and shall arrange with the designated Environment Officer a mutually acceptable time and date for any required soil sampling between the 15th day of May and the 15th day of October of any year, unless prior approval, by the Director, is given.
8. The Applicant shall subject undisturbed soil samples from the keyway and interior surfaces of the 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.
9. The Applicant shall, not less than 2 weeks before the wastewater treatment lagoon is placed in operation, submit to the Director the results of the tests carried out pursuant to Clause 8.

10. The Applicant shall install and maintain a fence around the wastewater treatment lagoon to limit access.
11. The Applicant shall construct and maintain an all-weather access road to the wastewater treatment lagoon.
12. The Applicant shall provide the Director with "as-constructed" drawings of the wastewater treatment lagoon on or before November 1, 1992.

Larry Strachan, P. Eng.
Director
Environment Act

FILE : 3325.00