

Environment Act Licence

Manitoba
Environment



Licence No. 1563

Issue Date JUNE 3, 1992

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

THIS LICENCE IS ISSUED TO:

RURAL MUNICIPALITY OF WOODLANDS: "the Licencee"

for the construction and operation of the Development being the operation of a wastewater collection system and the construction and operation of a wastewater treatment lagoon located in the southeast quarter of Section 23, Township 14, Range 2 WPM and with discharge of treated effluent into a 3rd order municipal drain flowing southward progressively draining into Sturgeon Creek and the Assiniboine River and subject to the following specifications, limits, terms and conditions:

1. The Licencee shall ensure that all domestic sewage generated within the hamlet of Woodlands is directed toward the wastewater treatment lagoon.

2. 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 1st day of June of the following year.
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, as indicated by the five day biochemical oxygen demand, on the primary cell of the wastewater treatment lagoon system is not in excess of 56 kilograms per hectare per day; and
 - (c) the depth of sewage in the primary cell of the wastewater treatment lagoon system does not exceed 1.5 metres.
4. The Licencee 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 dikes will be built, provided all the lagoon dikes are lined with clay or other suitable material as required by Clause 5, to a minimum thickness of one metre measured perpendicular to the face of the side wall.
5. The Licencee shall construct the wastewater treatment lagoon system 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.

6. The Licencee 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.

7. The Licencee shall either:
 - (a) subject undisturbed soil samples, from each cell of 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 each cell of the wastewater treatment lagoon, for hydraulic conductivity by an insitu field test method as prescribed by the designated Environment Officer.

8. The Licencee 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 7.

9. 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;
 - (c) undertake all repairs to minimize unauthorized discharges of wastewater; and
 - (d) complete the repairs in accordance with any written instructions of the Director.

10. The Licencee shall install and maintain a fence around the wastewater treatment lagoon to limit access.
11. The Licencee shall, on or before the 31st day of June, 1993, provide to the Director "as constructed" drawings of the wastewater treatment lagoon and all appurtenances.

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

FILE: 3388.00