

Environment Act Licence

Manitoba
Environment and
Workplace Safety
and Health



Licence No. 1275
Issue Date JUNE 28, 1989

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

THIS LICENCE IS ISSUED TO:

PARKS BRANCH-OTTER FALLS; APPLICANT
WASTEWATER TREATMENT LAGOON


The following limits, terms and conditions shall be complied with in connection with the construction and operation of a wastewater collection system and wastewater treatment lagoon located in Section 6, Township 14, Range 13 East and with discharge of treated effluent to the Eleanor Lake Drain via a swamp area:

1. 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 September of the following year, unless prior approval, by the Director, is given.
2. 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;
 - (c) the depth of sewage in the primary cell does not exceed 1.5 metres.
3. The Applicant shall, prior to the construction of new dikes for the said sewage lagoon:
 - (a) remove all organic topsoil from the area where the dikes will be constructed; or

.../2

- (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, provided all the lagoon dikes are lined with clay or other suitable material as required by Clause 4, to a minimum thickness of one metre measured perpendicular to the face of the side wall.
4. The Applicant shall construct the said sewage lagoon system with clay or other suitable material such that all interior surfaces of the said sewage system are underlain with a minimum of 1 metre of soil having a hydraulic conductivity of 1×10^{-7} centimetres per second or less.
 5. The Applicant shall notify the designated Environment Officer two weeks prior to the completion of construction of the said sewage lagoon system.
 6. The Applicant shall either:
 - (a) subject undisturbed soil samples from the completed lagoon to hydraulic conductivity test, the number and location of said 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 of the said sewage lagoon system for hydraulic conductivity in a manner prescribed by the designated Environment Officer by an insitu test method as prescribed by the designated Environment Officer.
 7. The Applicant shall, not less than 2 weeks before the said sewage lagoon system is placed in operation, submit to the Director the results of the tests carried out pursuant to Clause 6.
 8. 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.

9. The Applicant shall install a fence around the wastewater treatment lagoon to limit access.
10. Environment Act Licence No. 748 is hereby rescinded.



C.B. Orcutt
Director
Environmental Control Services

FILE NO: 695.10