

Environment Act Licence

Manitoba
Environment



Licence No. 1276

Issue Date JULY 10, 1989

In accordance with the Manitoba Environment Act (C.C.S.M. c. E125) (REVISED: AUGUST 28, 1991)

THIS LICENCE IS ISSUED TO:

DEPARTMENT OF NORTHERN AFFAIRS; APPLICANT

(BAKERS NARROWS/FLIN FLON RECREATIONAL AREA -
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 on Section 24-66-29W with discharge of treated effluent to Little Spruce Lake:

1. The Applicant shall ensure that all domestic sewage generated in the regional cottage and recreational areas is discharged into the primary cell of the wastewater treatment lagoon or is discharged to another licenced wastewater treatment facility.
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 faecal 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 1st day of November of any year and the 15th day of May of the following year, unless prior approval, by the Director, is given.
3. The Applicant shall operate and maintain the wastewater treatment lagoon in such a manner that:
 - (a) the release of offensive odours is minimized;

.../3

- (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.
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 the written instructions of the Director.
5. The Applicant shall prior to the construction of the wastewater treatment lagoon:
- (a) remove all surface concrete and debris from the lagoon site;
- (b) ensure that all abandoned mine shafts are properly sealed and capped; and
- (c) ensure that the base material does not contain any large voids, with the exception of the abandoned mine shafts, which might cause settlement of the lagoon structure and/or damage to the clay liner.
6. The Applicant shall construct the wastewater treatment lagoon with clay or other suitable material such that all interior surfaces of the lagoon structure are lined 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 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 1st day of November of any year, unless approval, by the Director, is given.
8. The Applicant shall either:
- (a) subject undisturbed soil samples from the completed wastewater treatment lagoon to hydraulic conductivity tests, the number and location of said samples to be specified by an Environment Officer up to maximum of twenty samples; or

- (b) where undisturbed soil samples cannot be taken, test the soil of 4 plane surfaces from the wastewater treatment lagoon for hydraulic conductivity by an insitu field test method as prescribed by an Environment Officer.
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 utilize, install, and maintain a combination of embankments, natural barriers, and fences around the wastewater treatment lagoon to limit access.
 11. The Applicant shall ensure that treated effluent is not discharged toward the mine tailings area.

L. Strachan

Larry Strachan, P.Eng.
Director
Environment Act

FILE: 300.00

RESCINDED