

# Environment Act Licence

Manitoba  
Environment and  
Workplace Safety  
and Health



Licence No. 1304  
Issue Date AUGUST 30, 1989

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

THIS LICENCE IS ISSUED TO:

**DEPARTMENT OF NATURAL RESOURCES/PARKS BRANCH; APPLICANT**  
**(PAINT LAKE RECREATIONAL AREA WASTEWATER TREATMENT LAGOON)**

The following limits, terms, and conditions shall be complied with in connection with the reconstruction expansion and operation of a wastewater collection system and a wastewater treatment lagoon located in the Paint Lake Provincial Recreational Park and with discharge of treated effluent into a wetland area that empties into Paint Lake:


1. The Applicant shall ensure that all sewage generated within the campground area is directed towards the wastewater treatment lagoon.
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 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;
  - (b) the organic loading on the primary cell of the sewage 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.

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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 additional dykes for any alteration or expansion to the wastewater treatment lagoon system:
  - (a) remove all organic topsoil from the area where the dykes 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 dyke will be built, provided all the lagoon dykes are lined with clay or other suitable material as required by Clause 6, to a minimum thickness of 1 metre measured perpendicular to the face of the side wall.
6. The Applicant shall construct any alteration or expansion to the wastewater treatment lagoon system with clay or other suitable material such that all interior surfaces of the said expansion to the system are underlain with a minimum of 1 metre of soil having a hydraulic conductivity of  $1 \times 10^{-7}$  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 prior approval, by the Director, is given.
8. The Applicant shall either:
  - (a) subject undisturbed soils samples from both the reconstructed cell and the new cell of the wastewater treatment lagoon to hydraulic conductivity tests, 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 soils samples cannot be taken, test the soil of 4 plane surfaces from both the reconstructed cell and the new cell of the wastewater treatment lagoon for hydraulic conductivity by an insitu field test method as prescribed by the designated Environment Officer.

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9. The Applicant shall, not less than 2 weeks before the reconstructed cell of 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 a fence around the sewage lagoon facility to limit access.
11. This Licence replaces Licence No. 1241 which is hereby rescinded.



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C.B. Orcutt  
Director  
Environmental Control Services

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