

# Environment Act Licence

Manitoba  
Environment and  
Workplace Safety  
and Health



Licence No. 1272  
Issue Date JUNE 8, 1989

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

THIS LICENCE IS ISSUED TO:

**VILLAGE OF PILOT MOUND; APPLICANT**

The following limits, terms and conditions shall be complied with in connection with the operation of a wastewater treatment lagoon in the SW 1/4 of Section 16-3-11 WPM in Rural Municipality of Louise with discharge of effluent, via a forcemain, to Pilot Creek downstream from the P.F.R.A. dam, and/or to a golf course located on the SE 1/4 of Section 10-3-11 WPM in the Rural Municipality of Louise:

1. The Applicant shall ensure that all sewage generated within the Village of Pilot Mound, excluding sewage directed to other approved wastewater treatment facilities shall be directed toward the wastewater treatment lagoon.
2. The Applicant shall ensure that the wastewater treatment lagoon is maintained and operated in such a manner that:
  - (a) the contamination of groundwater is prevented; and
  - (b) the release of offensive odours is minimized.
3. The Applicant shall not permit the hydraulic conductivity of the interior of the wastewater treatment lagoon to exceed  $10^{-7}$  centimetres per second at any point on the surface of the entire lagoon structure.
4. The Applicant shall not permit the organic loading on the primary cell of the wastewater treatment lagoon, in terms of five-day biochemical oxygen demand, to exceed 56 kilograms per hectare per day.
5. The Applicant shall not permit the discharge of effluent from the wastewater treatment lagoon towards Pilot Creek between the 1st day of November of each year and the 1st day of May of the following year.
6. Subject to Clause 7, the Applicant shall not permit the discharge of effluent from the wastewater treatment lagoon:
  - (a) where the organic content of the effluent, as indicated by five-day biochemical oxygen demand, is in excess of 30 milligrams per litre;
  - (b) where the suspended solids content of the effluent is in excess of 30 milligrams per litre;

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- (c) where the fecal coliform content of the effluent, as indicated by the MPN Index, is in excess of 200 per 100 millilitres.
7. The Applicant shall, prior to using the effluent from the wastewater treatment lagoon to irrigate the golf course:
- (a) subject the effluent to secondary treatment;
  - (b) retain the effluent in an isolated storage pond for not less than 60 days;
  - (c) ensure that, either
    - (i) the fecal coliform content of the effluent, in terms of MPN Index, is not in excess of 14 per 100 millilitres of sample; or
    - (ii) the effluent contains a free chlorine residual of not less than 0.5 milligrams per litre after not less than 30 minutes contact time;
  - (d) ensure that the golf course is closed to the public during the irrigation operation;
  - (e) ensure that no pools or puddles of effluent remain on the golf course when it is open for public use;
  - (f) use only low angle spray nozzles in the irrigation system;
  - (g) install permanent signs having letters not less than 5 centimetres high at all access points to the golf course advising of the use of treated effluent for irrigation;
  - (h) ensure that irrigation only takes place when weather conditions and irrigation spray locations are such that effluent will not be carried onto public roadways or onto neighbouring private property.

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) prepare a list of the repairs required to the wastewater collection and/or treatment system and make the list available to staff of the Environmental Management Division;
  - (c) complete the repairs in accordance with the written instructions of the Director.
  
9. This Licence replaces Licence No. 875 which is hereby rescinded.

  
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C.B. O'reutt  
Director  
Environmental Control Services

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