

# Environment Act Licence

Manitoba  
Environment



Licence No. 1452

Issue Date FEBRUARY 11, 1991

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

THIS LICENCE IS ISSUED TO:

## TOWN OF MINNEDOSA; APPLICANT

The following limits, terms and conditions shall be complied with in connection with the operation of a wastewater collection system and operation of an aerated wastewater treatment lagoon located on the east half of Section 3, Township 15, Range 18 WPM in the Rural Municipality of Minto with discharge of treated effluent to the Little Saskatchewan River and/or to a golf course located on the west half of Section 2, Township 15, Range 18 WPM:

1. The Applicant shall ensure that all sewage generated within the Town of Minnedosa, excluding sewage directed to other approved sewage treatment facilities, shall be directed toward the aerated wastewater treatment lagoon.
2. The Applicant shall ensure that the said aerated 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 aerated wastewater treatment lagoon to exceed  $1 \times 10^{-7}$  centimetres per second over the entire lagoon structure.

4. Subject to Clause 5 and Clause 6, 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 suspended solids content of the effluent is in excess of 30 milligrams per litre; and
  - (c) where the fecal coliform content of the effluent, as indicated by the MPN index, is in excess of 200 per 100 millilitres of sample.
  
5. The Applicant shall, prior to using the effluent from the aerated wastewater treatment lagoon to irrigate the golf course ensure, that:
  - (a) the effluent has been subjected to secondary treatment;
  - (b) the effluent has been retained in an isolated storage pond for not less than 60 days;
  - (c) either:
    - (i) the fecal coliform content of the effluent, in terms of the 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 of contact time;
  - (d) the golf course is closed to the public during the irrigation operation;
  - (e) only low angle spray nozzles are used in the irrigation system;

- (f) permanent signs having letters not less than 5 centimetres high are installed and maintained at all access points to the golf course advising of the use of treated effluent for irrigation; and
  - (g) 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.
6. The Applicant shall ensure that, prior to using the effluent from the aerated wastewater treatment lagoon to fill water hazard impoundments on the golf course:
- (a) the fecal coliform content of the effluent, in terms of the MPN Index, is not in excess of 200 per 100 millilitres of sample, and
  - (b) permanent signs, having letters not less than 5 centimetres high, are installed, maintained and spaced no further than 15 metres apart, around the perimeter of all water hazard impoundments, advising of the use of treated effluent in the water hazard impoundments.
7. The Applicant shall ensure that:
- (a) effluent is transferred to the water hazard impoundments via a piped distribution system equipped with control valves at both inlet and outlet ends of the distribution system;
  - (b) effluent stored in the water hazard impoundments is not used for irrigation of the golf course; and
  - (c) no effluent is discharged from the water hazard impoundments unless it is discharged to the Little Saskatchewan River via a discharge pipeline.

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; and
  - (d) discontinue the use of the effluent for irrigation or storage in water hazard impoundments on the golf course.
9. The Applicant shall not dispose of sludge from the said aerated wastewater treatment lagoon except to a waste disposal ground operated in accordance with the regulations under the Environment Act.
10. The Applicant shall not permit the discharge of industrial wastes to the aerated wastewater treatment lagoon unless provisions are made to provide sufficient treatment to comply with the effluent quality limits prescribed in this Licence.
11. Environment Act Licence No. 1196 is hereby rescinded.



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Larry Strachan, P. Eng.  
Director  
Environment Act

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