

Environment Act Licence

Manitoba
Environment



Licence No. 1457 S2

Issue Date AUGUST 20, 1993

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

THIS LICENCE IS ISSUED TO:

**2451379 MANITOBA LTD - OPERATING AS LARTERS AT ST. ANDREWS
GOLF AND COUNTRY CLUB; "the Licencee"**

STAGE 2 LICENCE

for the operation the Development being a Jet Extended Aeration package sewage treatment plant to treat sewage from the Larters at St. Andrews Golf and Country Club and related facilities located on River Lots 12 and 13, in the Parish of St. Andrews, in the Rural Municipality of St. Andrews, Province of Manitoba, with discharge of treated sewage effluent into the Red River, and subject to the following specifications, limits, terms and conditions.

DEFINITIONS

In this Licence,

"DPD method" means the diethyl-p-phenylenediamine colorimetric method of determining chlorine residuals in accordance with the most recent version of the Standard Methods For The Examination of Water and Wastewater;

"Director" means an employee so designated pursuant to the Environment Act;

"five-day biochemical oxygen demand" means that part of oxygen demand usually associated with biochemical oxidation of organic material within 5 days at 20^o C;

"MPN Index" means the most probable number of coliform organisms in a given volume of wastewater as determined by statistical estimation;

"sewage" means human body, toilet, liquid, waterbourne culinary, sink or laundry waste;

"sewage effluent" means sewage after it has undergone at least one form of physical, or biological treatment.

GENERAL SPECIFICATIONS

1. The Licencee shall direct all sewage generated at the Larters at St. Andrews Golf and Country Club, toward the Development.
2. The Licencee shall ensure that only sewage is discharged into the Development.
3. The Licencee shall dispose of the waste solids and sewage sludge, generated by the Development, at a facility operated in accordance with the requirements of the Environment Act and Regulations thereunder.

LIMITS, TERMS AND CONDITIONS

4. The Licencee shall ensure that the sewage load on the Development, does not exceed the design capacities as follows:
 - (a) hydraulic loading not to exceed 37.85 cubic metres per day; and
 - (b) organic loading not to exceed 7.73 kilograms of five-day biochemical oxygen demand per day.
5. The Licencee shall not discharge sewage effluent from the Development where:
 - (a) the organic content of the effluent, as indicated by the five-day biochemical oxygen demand, is in excess of 30 milligrams per litre;
 - (b) the fecal coliform content of the sewage effluent, as indicated by the MPN index, is in excess of 200 per 100 millilitres of sample;
 - (c) the total coliform content of the sewage effluent, as indicated by the MPN index, is in excess of 1500 per 100 millilitres of sample; or
 - (d) the suspended matter content of the sewage effluent, as indicated by the non-filterable residue is in excess of 30 milligrams per litre.
6. The Licencee shall ensure that the Development is maintained and operated in such a manner that:
 - (a) there is no contamination of ground water;
 - (b) the release of offensive odour is minimized;
 - (c) the chlorinated sewage effluent is de-chlorinated prior to discharge to the Red River; and
 - (d) the discharged treated sewage effluent contains a total residual chlorine not exceeding 0.1mg/L as determined by the DPD method.

MONITORING AND REPORTING SPECIFICATIONS

7. The Licencee shall provide a system acceptable to the Director, to measure the sewage flow to the Development, prior to operating the Development.
8. The Licencee shall arrange for the taking of samples of influent sewage before the sewage enters the Development, at a location that is accessible during all weather conditions, and of the treated sewage effluent, in the chlorine contact chamber, and at a location that is accessible during all weather conditions.
9. The Licencee shall ensure that the sampling locations for the influent sewage, and the treated sewage effluent are approved by the Director.
10. The Licencee shall arrange for the analysis of samples of influent sewage and treated sewage effluent, and the submission of analytical results, in such a manner as prescribed by the Director.
11. The Licencee shall monitor the chlorination process of the Development on a daily basis, using the DPD method or equivalent, and shall submit the results to the Director on a monthly basis, on a form approved by the Director.
12. The Licencee shall in case of physical or mechanical breakdown of the Development:
 - (a) notify the Director immediately;
 - (b) identify the repairs required to the Development; and
 - (c) complete the repairs in accordance with the written instructions of the Director.

REVOCATION

If in the opinion of the Director the Licencee has exceeded or is exceeding the specifications, limits, terms, or conditions set out herein, the Director may revoke, temporarily or permanently, this Licence.



Larry Strachan, P. Eng.
Director
Environment Act