

Environment Act Licence

Manitoba
Environment



Licence No. 1482

Issue Date JUNE 24, 1991

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

THIS LICENCE IS ISSUED TO:

MASTERS DEVELOPMENT COMPANY LIMITED.: APPLICANT **SEWAGE TREATMENT SYSTEM**

The following limits, terms and conditions shall be complied with in connection with the operation of a wastewater collection system, three sewage treatment plant units, and a sewage holding pond located on Section 13-15-4 EPM and Section 24-15-4 EPM located in the Rural Municipality of St. Andrews, and with discharge of treated effluent to the Wavey Creek:

1. The Applicant shall direct all sewage generated within the development area toward the sewage treatment plants.
2. The Applicant shall ensure that no more than 24 lots in the development are connected to or serviced by the sewage collection system and/or the sewage treatment system.
3. The Applicant shall direct all the effluent from the sewage treatment plants to the sewage holding pond.

4. The Applicant shall limit the sewage load on each sewage treatment plant unit to the design capacities as follows:
 - (a) hydraulic loading not to exceed 2.25 cubic metres per day;
 - (b) organic loading not to exceed 5.0 kilograms of biochemical oxygen demand (BOD₅) per day; and
 - (c) influent biochemical oxygen demand (BOD₅) concentration not to exceed 250 milligrams per litre.

5. The Applicant shall provide a system, acceptable to the Director, to measure the sewage flows to the sewage treatment plants.

6. The Applicant shall not discharge effluent from the sewage holding pond:
 - (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; and
 - (d) between the first day of June of any year and the 30th day of April of the following year, unless prior approval, by the Director, is given.

7. The Applicant shall install and maintain a mechanical valve on the discharge pipe from the sewage holding pond.
8. The Applicant shall operate and maintain the sewage holding pond in such a manner that:
 - (a) the release of offensive odours is minimized, and
 - (b) the depth of sewage does not exceed 1.5 metres.
9. The Applicant shall ensure that the sewage holding pond is constructed with clay or other suitable material such that all interior surfaces of the pond structure are underlain with a minimum of 1 metre of soil having a hydraulic conductivity of 1×10^{-7} centimetres per second or less.
10. 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 15th day of October of any year, unless prior approval, by the Director, is given.
11. The Applicant shall either:
 - (a) subject undisturbed soil samples, from the sewage holding pond structure, to hydraulic conductivity tests, the number and location of samples to be specified by the designated Environment Officer up to a maximum of ten samples; or
 - (b) where undisturbed soil samples cannot be taken, test the soil of 4 plane surfaces from the sewage holding pond structure, for hydraulic conductivity by an insitu field test method as prescribed by the designated Environment Officer.

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12. The Applicant shall submit to the Director the results of the tests carried out pursuant to Clause 11 within 3 months of the date on which the soil samples were taken or the field test procedure commenced.
13. 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.
14. The Applicant shall install and maintain a fence around the sewage holding pond to limit access.



Larry Strachan, P.Eng.
Director
Environment Act

FILE : 2650.00