Environment Act Licence

Manitoba Environment

Licence No. 1346

Issue Date MARCH 16, 1990

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

THIS LICENCE IS ISSUED TO:

THE DEPARTMENT OF NORTHERN AFFAIRS; APPLICANT (COMMUNITY OF PINE DOCK)

The following limits, terms and conditions shall be complied with in connection with the construction and operation of a wastewater collection system and a sewage treatment plant located on Section 10-31-5E in the community of Pine Dock and with discharge of treated effluent to a bog and thence to Lake Winnipeg:

1. The Applicant shall ensure that all domestic sewage generated within the community is directed towards the sewage treatment plant except sewage treated at other facilities licenced under The Environment Act.

2. The Applicant shall limit the sewage load on the sewage treatment plant to the design capacities of the system as follows:

   (a) Total daily flow not to exceed 31.8 cubic metres;

   (b) Maximum flow over any (4 hour period) not to exceed 18.2 cubic metres;

   (c) Influent biochemical oxygen demand (BOD_5) concentration not to exceed 400 milligrams per litre;

   (d) Influent total suspended solids concentration not to exceed 400 milligrams per litre; and

   (e) Influent ammonia (NH_3) concentration not to exceed 35 milligrams per litre.

3. The Applicant shall not discharge sewage effluent from the sewage treatment plant, as sampled in the chlorine contact chamber near the point of discharge from the chamber, where:

   (a) the organic content of the sewage effluent, as indicated by the five day biochemical oxygen demand, is in excess of 30 milligrams per litre;

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(b) the non-filterable residue content of the sewage effluent is in excess of 30 milligrams per litre;

(c) the fecal coliform content of the sewage effluent, as indicated by the MPN Index, is in excess of 200 per 100 millilitres of sample;

(d) the total coliform content of the sewage effluent as indicated by the MPN Index is in excess of 1500 per 100 millilitres of sample; and

(e) the Escherichia coli content of the sewage effluent, as indicated by the MPN Index, is in excess of 200 per 100 millilitres of sample.

4. The Applicant shall provide a means of accessing the programmable logic controller from the sewage treatment plant to obtain the process time information and elapsed process time information.

5. The Applicant shall provide a heated and secured effluent monitoring station acceptable to the Director and equipped with:

(a) a direct access way for an effluent sampling line to a location near the discharge from the chlorine contact chamber;

(b) an electrical power source of 15 amperes at 110 volts; and

(c) a connection cable and plug to link an ISCO portable automated sampler with an isolated contact closure type output of at least 25 millisecond duration from the programmable logic controller which signals the effluent discharge cycle.

6. The Applicant shall monitor the chlorination process of the sewage treatment plant on a daily basis using the D.P.D. method or equivalent and shall submit the results to the Department on a monthly basis, on a form approved by the Director.

7. The Applicant shall dispose of the waste solids and sewage sludge at an approved waste disposal ground.

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8. The Applicant shall, in case of physical or mechanical breakdown of the wastewater collection system or the sewage treatment plant;

   (a) notify the Director immediately;

   (b) identify the repairs required to the wastewater collection and treatment system; and

   (c) complete the repairs in accordance with the written instructions of the Director.

N. B. Brandson
Director
Environmental Management Services

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