

**AN ORDER OF THE CLEAN ENVIRONMENT COMMISSION  
UNDER THE CLEAN ENVIRONMENT ACT**

---

**RE: THE CLEAN ENVIRONMENT COMMISSION and THE MANITOBA WATER SERVICES BOARD,  
Applicant,**

**WHEREAS** pursuant to the provisions of The Clean Environment Act, The Manitoba Water Services Board filed a proposal with the department in connection with the operation of a sewage lagoon system located in the SW 1/4 of Section 19, Township 24, Range 1 WPM in the Local Government District of Fisher, Manitoba, serving the Unincorporated Village District of Fisher Branch, with discharge of effluent via the Broad Valley Drain to the East Branch of the Fisher River;

**AND WHEREAS** in the absence of limits, terms and conditions prescribed by a regulation under the said Act, the proposal was referred to The Clean Environment Commission to prescribe limits, terms and conditions;

**AND WHEREAS** after giving notice of its intention to issue an order prescribing limits, terms and conditions the Commission received notice of representation from persons who were likely to be affected and held a hearing in Fisher Branch on the 24th day of July, 1986;

**AND WHEREAS** the Commission considered the proposal on the 24th day of July, 1986;

**IT IS HEREBY ORDERED THAT**

1. The Applicant shall direct all sewage generated within the Unincorporated Village District of Fisher Branch toward the said sewage lagoon system.
  
2. The Applicant shall not discharge effluent from the said sewage lagoon system where:

2. (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 faecal coliform content of the effluent, as indicated by the MPN Index, is in excess of 200 per 100 millilitres of sample;
  - (c) the total coliform content of the effluent, as indicated by the MPN Index, is in excess of 1,500 per 100 millilitres of sample.
3. The Applicant shall not discharge sewage effluent from the said sewage lagoon system;
    - (a) between the 1st day of November of any year and the 15th day of May of the following year;
    - (b) between the 15th day of June and the 15th day of September of any year.
4. The Applicant shall not discharge effluent from the said sewage lagoon system;
    - (a) when flooding from any cause is occurring along the drainage route;
    - (b) when it will cause or contribute to flooding in or along the drainage route.
5. The Applicant shall maintain and operate the said sewage lagoon system in such a manner that:
    - (a) the release of offensive odours is minimized;

5. (b) the organic loading on the primary cell, as indicated by the five day biochemical oxygen demand, is in excess of 56 kilograms per hectare per day.
6. The Applicant shall, prior to the construction of dykes for the said sewage lagoon system:
  - (a) remove all organic topsoil from the area where the dykes will be constructed; or
  - (b) remove all organic material for a depth of 0.3 metres and a width of 3.0 metres from the area where the dyke will be built, provided all the lagoon dykes are lined with clay or other suitable material as required by clause 7, to a minimum thickness of one metre measured perpendicular to the face of the dyke.
7. The Applicant shall construct the said sewage lagoon system with clay or other suitable material such that all interior surfaces of the said sewage lagoon system are underlain with a minimum of 1 metre of soil having a hydraulic conductivity of  $1 \times 10^{-7}$  centimetres per second or less.
8. The Applicant shall notify the Environmental Management Division two weeks prior to the completion of construction of the said sewage lagoon system.
9. The Applicant shall either:
  - (a) subject undisturbed soil samples from the completed lagoon system to hydraulic conductivity tests, the number and location of said samples to be specified by a representative of the division up to a maximum of twenty samples; or
  - (b) where undisturbed soil samples cannot be taken, test the soil of 4 plane surfaces of the said sewage lagoon system for hydraulic conductivity in a manner prescribed by the said Division by an insitu field test method as prescribed by an officer of the Division.

10. The Applicant shall, not less than 2 weeks before the said sewage lagoon system is placed in operation, submit to the said Division the results of the tests carried out pursuant to clause 9.
  
11. The Applicant shall ensure that no overflow structures are constructed in the sewage lagoon system which may allow the discharge of sewage or sewage effluent to the environment.

Order No. 1100

Dated at the City of Winnipeg

this 29th day of July, 1986.

  
Chairman,  
The Clean Environment Commission.

File: 2703.0