

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

---

RE: THE CLEAN ENVIRONMENT COMMISSION and THE RURAL MUNICIPALITY OF  
STE. ROSE DU LAC, Applicant,

WHEREAS pursuant to the provisions of The Clean Environment Act, the Rural Municipality of Ste. Rose du Lac filed a proposal with the department in connection with the operation of a sewage lagoon system located in the NW 1/4 of Section 18, Township 22, Range 15 WPM in the said Rural Municipality, serving the unincorporated village district of Laurier, Manitoba with discharge of effluent via an intermittent creek to the Turtle 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 did not receive notice of representation from any person who was likely to be affected;

AND WHEREAS the Commission considered the proposal on the 25th day of June, 1986;

IT IS HEREBY ORDERED THAT

1. The Applicant shall ensure that all sewage generated within the Unincorporated Village District of Laurier is directed toward the said sewage lagoon.
2. The Applicant shall not discharge effluent from the said lagoon system where:
  - (a) the organic content of the effluent, as indicated by the five day biochemical oxygen demand, is in excess of 30 milligrams per liter;

2. (b) the faecal coliform content of the effluent, as indicated by the MPN Index, is in excess of 200 per 100 milliliters of sample;
  - (c) the total coliform content of the effluent, as indicated by the MPN Index, is in excess of 1,500 per 100 milliliters of sample.
3. The Applicant shall not discharge effluent from the said sewage lagoon system between the 1st day of November of any year and the 15th day of May of the following 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;
    - (b) the organic loading on the primary cell, as indicated by the five day biochemical oxygen demand, is not 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 side wall.

## 7. The Applicant shall:

- (a) construct all lagoon cells with clay or other suitable material such that all interior surfaces of the lagoon are underlain with a minimum of one metre of soil having a hydraulic conductivity of  $1 \times 10^{-7}$  centimetres per second or less, or;
- (b) install a vertical flexible synthetic seepage barrier system, acceptable to the Environmental Management Division, around the entire perimeter of said sewage lagoon to a minimum depth of 2.0 metres and shall submit to the Environmental Management Division technical specifications concerning installation of the vertical barrier and barrier trench preparation no later than two weeks prior to construction.

## 8. Where the Applicant does not install a flexible synthetic seepage barrier in accordance with 7(b) the Applicant shall either:

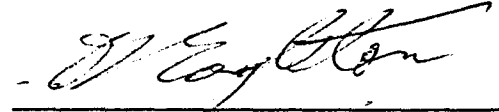
- (a) subject undisturbed soil samples from the completed sewage lagoon cells to hydraulic conductivity tests, the number and location of said samples to be specified by an officer of the Environmental Management Division, up to a maximum of twenty samples; or
- (b) where undisturbed soil samples cannot be taken, test the soil of 4 planar surfaces of the said sewage lagoon cells for hydraulic conductivity by an in situ field test method acceptable to the said Division at locations specified by an officer of the Division.

## 9. The Applicant shall arrange with the said Division a mutually acceptable time and date for any required soil sampling.

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 8.

Order No. 1094

Dated at the City of Winnipeg  
this 10th day of July, 1986.



Chairman,  
The Clean Environment Commission.

File: 2750.0