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

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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 expansion and continued operation of a sewage lagoon system located in the NW 1/4 and the NE 1/4 of Section 9, Township 24, Range 15 WPM in the Rural Municipality of Ste. Rose du Lac, Manitoba, serving the Village of Ste. Rose du Lac, with discharge of effluent via drainage ditches to the Turtle River;

AND WHEREAS in the absence of limits prescribed by a regulation under the said Act, the proposal was referred to The Clean Environment Commission and, after giving notice, the Commission issued Order No. 490 on the 24th day of October, 1975 prescribing limits on the said operation;

AND WHEREAS on the 31st day October, 1984, the Applicant filed a second proposal for the further expansion and continued operation of the said sewage lagoon system;

AND WHEREAS following referral by the department and after giving notice of the second proposal, the Commission did not receive notice of representation from any person likely to be affected by an order of the Commission prescribing limits, terms and conditions;

AND WHEREAS the Commission considered the second proposal on the 29th day of January, 1986;

IT IS HEREBY ORDERED THAT

1. The Applicant shall direct all sewage generated within the Village of Ste. Rose du Lac toward the said sewage lagoon system.
2. The Applicant shall not discharge effluent from the said sewage 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 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;

2. (c) the total coliform content of the effluent, as indicated by the MPN Index, is in excess of 1500 per 100 millilitres of sample.
3. The Applicant shall not discharge effluent from the said sewage lagoon system between 1st day of November of any year and 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 construct, 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 construct the fourth cell of the said sewage lagoon system:
  - (a) with clay or other suitable material such that all interior surfaces of the said cell are underlain with a minimum of one metre of soil having a hydraulic conductivity of  $1 \times 10^{-4}$  centimetres per second or less;
  - (b) in such a manner that:
    - (i) a minimum buffer zone of 30 metres is established between the toe of the outside berm of said cell and the property line;
    - (ii) the seepage of liquid from the said cell does not adversely affect properties adjoining the lagoon site.
7. The Applicant shall notify the Environmental Management Division two weeks prior to the completion of construction of the expansion of the said sewage lagoon system.

8. The Applicant shall either:
- (a) subject undisturbed soil samples from the completed fourth cell of the sewage lagoon system to hydraulic conductivity tests, the number and location of samples to be as specified by an officer of the Environmental Management Division up to a maximum of ten samples; or
  - (b) where undisturbed soil samples cannot be taken, test the soil of 2 plane surfaces of the said fourth cell 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, 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.
10. This order replaces Order No. 490 which shall be and is hereby rescinded.

Order No. 1083

Dated at the City of Winnipeg

this 3rd day of February, 1986.

  
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Chairman,  
The Clean Environment Commission.

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