

COPY

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

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RE: THE CLEAN ENVIRONMENT COMMISSION and THE RURAL MUNICIPALITY OF  
WHITEMOUTH, Applicant,

WHEREAS pursuant to the provisions of The Clean Environment Act, the Rural Municipality of Whitemouth filed a registration with the department in connection with the operation of a sewage lagoon system located in the W 1/2 of Section 31, Township 11, Range 12 EPM and the E 1/2 of Section 36, Township 11, Range 11 EPM in the said Municipality serving the unincorporated village of Whitemouth, Manitoba;

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

AND WHEREAS after giving notice of its intention to set 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 operation on the 30th day of March, 1988;

IT IS HEREBY ORDERED THAT

1. The Applicant shall operate and maintain 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 of the said sewage lagoon system, as indicated by the five day biochemical oxygen demand, is not in excess of 56 kilograms per hectare per day.
2. The Applicant shall comply fully with the limits, terms and conditions prescribed either in Clause 3 or in Clause 4 of this Order.

3. Subject to Clause 2, the Applicant shall
- (a) on or before the 1st day of October, 1990 upgrade the secondary cell of the said sewage lagoon in such a manner that all interior surfaces of the cell are lined with one metre of soil having a hydraulic conductivity of  $1 \times 10^{-7}$  centimetres per second, or less;
  - (b) notify the Environmental Management Division at least two weeks prior to the completion of construction of the lining of the secondary cell;
  - (c)
    - (i) subject undisturbed soil samples from the completed secondary cell to hydraulic conductivity tests, the number and location of said tests to be as specified by an officer of the Environmental Management Division up to a maximum of twenty samples, or,
    - (ii) where undisturbed soil samples cannot be taken, test the soil of 2 plane surfaces of the lagoon 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;
  - (d) not less than two weeks prior to said secondary cell being utilized, submit to the said Division the results of the tests carried out pursuant to (c);
  - (e) on and after the 1st day of October, 1990, not discharge effluent from the said sewage lagoon system
    - (i) where the organic content of the effluent, as indicated by the five day biochemical oxygen demand, is in excess of 30 milligrams per litre;
    - (ii) where the fecal coliform content of the effluent, as indicated by the MPN Index, is in excess of 200 per 100 millilitres of sample;
    - (iii) where the total coliform content of the effluent, as indicated by the MPN Index is in excess of 1500 per 100 millilitres of sample,

3. (e) (iv) between the 1st day of November of any year and the 15th day of May of the following year.
  
4. Subject to 2, the Applicant shall, on or before the 1st day of October, 1990, submit to the Environmental Management Division
  - (a) a proposal to operate a lagoon where the interior surface of the lagoon cells is not underlain by one metre of soil having a hydraulic conductivity of  $1 \times 10^{-7}$  centimetres per second or less;
  
  - (b) an engineering report sealed by a registered professional engineer, which contains the following information
    - (i) the expected seepage losses;
  
    - (ii) the boundary conditions and other assumptions used to calculate the expected seepage losses;
  
    - (iii) a summary of the measured hydraulic conductivity of the in situ material in all soil profiles;
  
    - (iv) an environmental impact statement stating the effects of the expected seepage on the soil, groundwater and the Whitemouth River.

Order No. 1193

Dated at the City of Winnipeg

this 30th day of March, 1988.

  
Chairperson,  
The Clean Environment Commission.

File: 248.1