

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

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COPY

RE: THE CLEAN ENVIRONMENT COMMISSION and THE GREENWALD COLONY FARMS LTD.,  
Applicant,

WHEREAS pursuant to the provisions of The Clean Environment Act, the Greenwald Colony Farms Ltd., filed a proposal with the department in connection with the operation of a sewage lagoon system located in the NE 1/4 of Section 26, Township 15, Range 7 EPM in the Rural Municipality of St. Clements, Manitoba, with discharge of effluent to irrigate farmland;

AND WHEREAS in the absence of limits, terms and conditions set by a regulation, the proposal was referred to The Clean Environment Commission to set 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 15th day of January, 1988;

IT IS HEREBY ORDERED THAT

1. The Applicant shall construct all the facilities for the treatment of sewage and the holding of effluent of impervious materials such that all interior surfaces of the lagoon are underlain with clay or other material having a hydraulic conductivity of  $1 \times 10^{-7}$  centimetres per second or less.
2. The Applicant shall operate the said sewage lagoon system in such a manner as to minimize the release of offensive odours.

3. The Applicant shall operate the said sewage lagoon system in such a manner that the organic loading on the primary cell of the said lagoon system, as indicated by the five day biochemical oxygen demand, is not in excess of 56 kilograms per hectare per day.
  
4. The Applicant shall not discharge effluent from the said sewage lagoon system:
  - (a) where the organic content of the effluent, as indicated by the five day biochemical oxygen demand, is in excess of 30 milligrams per litre;
  
  - (b) where the fecal coliform content of the effluent, as indicated by the MPN index, is in excess of 200 per 100 millilitres of sample;
  
  - (c) where the total coliform content of the effluent, as indicated by the M.P.N. Index, is in excess of 1500 per 100 millilitres of sample.
  
5. The Applicant shall ensure that effluent from the said sewage lagoon system
  - (a) is discharged, subject to Clause 6, only onto land owned or lawfully controlled by the said Colony;
  
  - (b) after discharge remains on property controlled by the said Colony.
  
6. The Applicant shall not discharge effluent from the said sewage lagoon system within 300 metres of any dwelling not owned or legally controlled by the said Colony.
  
7. The Applicant shall not discharge effluent from the said sewage lagoon system during the period between the 1st day of November in any year and the 15th day of May in the following year.

8. The Applicant shall not at any time discharge effluent from the primary cell of the said sewage lagoon system.
  
9. The Applicant shall carry out the irrigation with sewage effluent in such a manner that
  - (a) effluent is only discharged to irrigate
    - (i) stubble fields, or worked stubble fields in the fall after the growing season has ended; or
  
    - (ii) cultivated summerfallow fields; or
  
    - (iii) grasslands which will not be utilized for hay, grazing or similar use during or for at least:
      - A. 30 days prior to grazing by dairy cattle;
  
      - B. 7 days prior to grazing by livestock other than dairy cattle; or
  
    - (iv) agricultural crops where:
      - A. irrigation does not take place during or for at least 7 days prior to harvesting of the crops;
  
      - B. forage crops, cereals grain or oil seed crops are grown on effluent irrigated lands provided that where corn is grown it is used solely for silage.
  
  - (b) if surface ponding or surface runoff occurs during irrigation the gross depth of effluent applied during any application of effluent shall be reduced;

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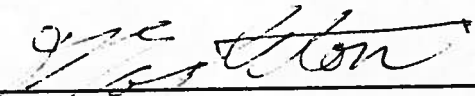
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GREENWALD COLONY  
FARMS LTD.

9. (c) no application of effluent takes place during not less than 10 continuous hours in every 24-hour period.

Order No. 1158

Dated at the City of Winnipeg  
this 25th day of January, 1988.

  
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Chairperson,  
The Clean Environment Commission.

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