

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

1165
COPY

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

- WHEREAS pursuant to the provisions of The Clean Environment Act, the Department of Agriculture filed a proposal with the department on behalf of Crystal Springs Colony Farms Ltd. in connection with the operation of a sewage lagoon system located in the NE 1/4 of Section 16, Township 13, Range 3 EPM in the Rural Municipality of Rockwood, Manitoba, serving Concord Colony Farms Ltd., with discharge of effluent to irrigate farmland;
- AND WHEREAS in the absence of limits, terms and conditions set by a regulation under the said Act, 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 was informed the land on which the said sewage lagoon system was located was owned by Parkdale Colony Holdings Inc. and leased to Concord Colony Farms Ltd., as operators of the farm, including the sewage lagoon system;
- AND WHEREAS the Commission considered the operation on the 12th day of February, 1988;

IT IS HEREBY ORDERED THAT

1. 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;

1. (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 of the effluent, as indicated by the MPN index, is in excess of 1500 per 100 millilitres of sample;
- (d) between the first day of November of any year and the 15th day of May of the following year.
2. The Applicant shall not at any time discharge effluent from the primary cell of the said sewage lagoon system.
3. 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 sewage 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 discharge effluent from the said sewage lagoon system only onto lands owned or lawfully controlled by the Applicant.
5. The Applicant shall not discharge effluent within 300 metres of any dwelling not owned or lawfully controlled by the Applicant.
6. The Applicant shall not discharge effluent within 60 metres of any property boundary, surface watercourse or well.

7. 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;

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

8. The Applicant shall ensure that the cells of the said sewage lagoon system are constructed with clay or other suitable material such that all interior surfaces of the lagoon are underlain with clay or other material having a hydraulic conductivity of 1×10^{-7} centimetres per second or less.

Order No. 1165

Dated at the City of Winnipeg

this 25th day of February, 1988.


Chairperson,
The Clean Environment Commission.

File: 2592.0