

COPY

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

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

WHEREAS pursuant to the provisions of The Clean Environment Act, A. J. Poetker Engineering Consultants filed a proposal on behalf of Grand Colony Farms Ltd., in connection with the operation of a sewage lagoon system located in the NW 1/4 of Section 29, Township 10, Range 4 WPM in the Rural Municipality of Portage la Prairie, Manitoba, with discharge of effluent via local drainage to the Elm River Channel;

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 likely to be affected;

AND WHEREAS the Commission considered the proposal on the 15th day of January, 1988;

IT IS HEREBY ORDERED THAT

1. The Applicant shall ensure that all sewage generated within the Grand Colony new farms site is directed 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 sewage effluent, as indicated by the five day biochemical oxygen demand, is in excess of 30 milligrams per litre;

2. (b) the faecal coliform content of the sewage effluent, as indicated by the MPN Index, is in excess of 200 per 100 millilitres of sample;
- (c) the total coliform content of the effluent, as indicated by the MPN Index, is in excess of 1,500 per 100 millilitres of sample.
3. The Applicant shall not discharge sewage effluent from the said sewage lagoon system between the 15th day of June of any year and the 15th day of May of the following year.
4. The Applicant shall ensure that:
 - (a) effluent is not discharged when flooding from any cause is occurring along the drainage route;
 - (b) effluent is not discharged 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 construct the said sewage lagoon system with clay or other suitable material such that all interior surfaces of the said sewage lagoon system are underlain with a minimum of 1 metre of soil having a hydraulic conductivity of 1×10^{-7} centimetres per second or less.

7. The Applicant shall either:

- (a) subject undistributed soil samples from the completed lagoon to hydraulic conductivity tests, the number and location of said samples to be as specified by a representative 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 plane surfaces of the said sewage lagoon system for hydraulic conductivity in a manner prescribed by the said Division by an in situ field test method as prescribed by an officer of the Division.

8. 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 7.

Order No. 1144

Dated at the City of Winnipeg

this 18th day of January, 1988.


Chairperson,
The Clean Environment Commission.

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