

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

**RE: THE CLEAN ENVIRONMENT COMMISSION and the RURAL MUNICIPALITY OF HANOVER,
Applicant,**

WHEREAS pursuant to the provisions of The Clean Environment Act, the Rural Municipality of Hanover filed a proposal in connection with the operation of a sewage lagoon system located in the SW1/4 of Section 1, Township 7, Range 5, EPM, in the said Rural Municipality, serving the unincorporated village of Mitchell, with discharge of effluent to a drainage ditch on the west side of the said quarter section and thence to the Chortitz Drain;

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

AND WHEREAS after giving notice of the proposal, the Commission did not receive notice of representation from any person who was likely to be affected by the issuance of a Commission order in connection with the said operation;

AND WHEREAS the Commission considered the proposal on the 23rd day of October, 1984;

IT IS HEREBY ORDERED THAT

1. The Applicant shall ensure that all sewage generated within the unincorporated village district of Mitchell 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 effluent, as indicated by the five day biochemical oxygen demand, is in excess of 30 milligrams per liter;
 - (b) the faecal coliform content of the 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.

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3. The Applicant shall not discharge effluent from the said sewage lagoon system between the 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 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 prior to the construction of dykes for the said sewage lagoon system:
 - (a) remove all organic topsoil from the area where the dykes will be constructed; or
 - (b) remove all organic material for a depth of 0.3 metres and a width of 3.0 metres from the area where the dyke will be built, provided all the lagoon dykes are lined with clay or other suitable material as required by clause 7, to a minimum thickness of one metre measured perpendicular to the face of the side wall.
7. 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.

8. The Applicant shall notify the Environmental Management Division two weeks prior to the completion of construction of the said sewage lagoon system.
9. The Applicant shall either:
 - (a) subject undisturbed soil samples from the completed lagoon to hydraulic conductivity tests, the number and location of said samples to be specified by a representative of the 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 said Division.
10. 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 9.

Order No. 1053

Dated at the City of Winnipeg

this 25th day of October, 1984.


Chairman,
The Clean Environment Commission.

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