

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

RE: THE CLEAN ENVIRONMENT COMMISSION and THE DEPARTMENT OF NATURAL RESOURCES, Applicant,

WHEREAS pursuant to the provisions of The Clean Environment Act, the Department of Natural Resources filed a proposal with the department responsible under the provisions of the act in connection with the operation of a sewage lagoon system located in Section 31, Township 57, Range 25 WPM in the Clearwater Lake Provincial Park, Manitoba, serving the buildings and facilities within the Park, with discharge of effluent via a swamp area southeast of the lagoon, Campbell Lake and Jackfish Creek, to Clearwater Lake;

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 on the said operation the Commission received notice of representation from persons who were likely to be affected and held a hearing in The Pas on the 13th and 14th days of April, 1987;

AND WHEREAS the Commission considered the proposal on the 23th day of April, 1987;

IT IS HEREBY ORDERED THAT

1. The Applicant shall direct all sewage generated within the Clearwater Lake Recreational Area including but not limited to commercial lodges, park facilities and cottages within the said recreational area toward the said sewage lagoon or other approved sewage treatment facilities.
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 litre;

2. (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.
3. The Applicant shall not discharge effluent from the said sewage lagoon system at any point within the Clearwater Lake drainage area.
4. Subject to clauses 2, 3, 5 and 6, the Applicant shall discharge effluent from the said sewage lagoon system in a manner satisfactory to the Environmental Management Division.
5. The Applicant shall not discharge effluent from the said sewage lagoon system between the 1st day of November of any year and the 15th day of May of the following year.
6. 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.
7. The Applicant shall maintain and operate the said sewage lagoon system in such a manner that:
 - (a) the release of offensive odours is minimized;

7. (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.

8. 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 are to 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 dykes are to be built, provided all the lagoon dykes are lined with clay or other suitable material as required by clause 9, to a minimum thickness of one metre measured perpendicular to the interior face of the dyke.

9. 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.

10. The Applicant shall notify the Environmental Management Division two weeks prior to the completion of construction of the said sewage lagoon system.

11. 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 as specified by a representative of the said 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 insitu field test method as prescribed by an officer of the Division.

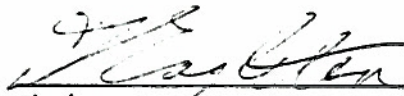
12. The Applicant shall, not less than 2 weeks before the said sewage lagoon system is placed in operation, submit to the said Division the results of the tests carried out pursuant to clause 11.

13. The Applicant shall, coincident with the opening of the said sewage lagoon system, cause the single cell sewage lagoon at Pioneer Bay to be placed out of service and shall not thereafter use or allow it to be used for the treatment, storage or disposal of any contaminant.

14. The Applicant shall, prior to selling or transferring legal control of the Pioneer Bay sewage lagoon to any other person, rehabilitate the site of the lagoon by removing liquid and solid residues to approved disposal facilities and by filling and leveling the lagoon cells and removing the access approaches, in a manner satisfactory to the said Division.

Order No. 1116

Dated at the City of Winnipeg
this 24th day of April, 1987.



Chairman,
The Clean Environment Commission.

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