

*James [unclear]*

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

---

**RE: THE CLEAN ENVIRONMENT COMMISSION and FRONTIER SCHOOL DIVISION NO. 48,  
Applicant,**

**WHEREAS** pursuant to the provisions of The Clean Environment Act, Frontier School Division No. 48 filed a proposal with the department in connection with the operation of a sewage lagoon system located on part of Lot No. 898, Group 421 at Sherridon, Manitoba, serving the Cold Lake School and teachers' residences, with discharge of effluent to Camp Lake;

**AND WHEREAS** in the absence of limits, terms and conditions prescribed by a Regulation under 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 an order of the Commission issued in connection with this matter;

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

**IT IS HEREBY ORDERED THAT**

- Assigned  
WPC*
1. 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 10 per 100 millilitres of sample;
    - (c) the total coliform content of the effluent, as indicated by the MPN Index, is in excess of 100 per 100 millilitres of sample.

2. 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 without receiving prior approval from the Clean Environment Commission.
3. The Applicant shall not discharge effluent from the said sewage lagoon system:
  - (a) when flooding from any cause is occurring along the drainage route; and
  - (b) when it will cause or contribute to flooding in or along the drainage route.
4. 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.
5. 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 6, to a minimum thickness of one metre measured perpendicular to the face of the side wall.
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  $1 \times 10^{-7}$  centimetres per second or less.

7. The Applicant shall notify the Environment Management Division two weeks prior to the completion of construction of the said sewage lagoon system.
  
8. 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 an officer 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 by an insitu field test method acceptable to the said Division at locations specified by an officer of the Division.
  
9. 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 8.

Order No. 1022

Dated at the City of Winnipeg

this 1st day of June, 1984.

  
Chairman,  
The Clean Environment Commission.

File: 2553.00