1109

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

RE: THE CLEAN ENVIRONMENT COMMISSION and MR. KEITH BOWES, Applicant,

WHEREAS pursuant to the provisions of The Clean Environment Act, Mr. Keith Bowes filed a proposal with the department in connection with the operation of a sewage lagoon system located on part of River Lots 32 and 33 in the High Bluff Parish, serving the Bowes Trailer Park, with discharge of effluent to irrigate agricultural land owned or legally controlled by the applicant, located in the same River Lots, in the Rural Municipality of Portage la Prairie, Manitoba;

AND WHEREAS in the absence of limits, terms and conditions prescribed by a regulation issued 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 its intention to issue an order prescribing limits, terms and conditions concerning the said proposal, the Commission received notice of representation from persons who were likely to be affected and held a hearing in Portage la Prairie on the 21st day of October, 1986;

AND WHEREAS the Commission considered the proposal on the 15th day of December, 1986;

IT IS HEREBY ORDERED THAT

1. The Applicant shall direct all sewage generated within the Bowes Trailer Court 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 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 samples.

(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 between November 1st of any year and May 15th of the following year.

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. With regard to the use of effluent for the irrigation of agricultural land, the Applicant shall:

(a) dispose of effluent from the said sewage lagoon system only by spray irrigation on to land owned or legally controlled by the Applicant in River Lots 32 and 33 in the Parish of High Bluff;

(b) not carry out spray irrigation in circumstances where sewage effluent spray may be carried on to a public road or on to private property not owned or legally controlled by the Applicant;

5. (c) not spray irrigate crops less than

(i) 7 days before crops will be harvested;

(ii) 7 days before crops will be used for grazing by animals other than dairy cattle;

(iii) 30 days before crops will be used for grazing by dairy cattle;

(d) maintain and harvest an agricultural crop annually from the agricultural land on which irrigation takes place;

(e) restrict the crops grown on land irrigated with effluent to the growing of forage crops, cereal grain and oil seeds, provided that where corn is grown its use shall be restricted to silage;

(f) not permit any runoff of liquid from fields being irrigated with sewage effluent;

(g) reduce the application of effluent during irrigation in circumstances where ponding or surface runoff occurs;

(h) refrain from such application to any area of land for a continuous period of not less than 10 hours in every 24 hour period.

6. The Applicant shall prior to 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 perpendicular to the face of the side wall.

7. The Applicant shall construct the said sewage lagoon system with clay or suitable material such that all interior surfaces of the said sewage lagoon system are underlain with a minimum of one 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 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 number 9.

Order No. 1109

Dated at the City of Winnipeg

this 19th day of December, 1986.

Chairman,
The Clean Environment Commission.

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