

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

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RE: THE CLEAN ENVIRONMENT COMMISSION and the WINNIPEG BIBLE COLLEGE AND  
THEOLOGICAL SEMINARY, Applicant,

- WHEREAS pursuant to the provisions of The Clean Environment Act, the Winnipeg Bible College and Theological Seminary filed an application with the department in connection with the continued operation of a sewage lagoon system located in Lot Q, Plan 6079 in the Rat River Settlement at Otterburne in the Rural Municipality of De Salaberry, Manitoba, with discharge of effluent to the Rat River;
- AND WHEREAS in the absence of limits, terms and conditions prescribed by a regulation under the said Act, the application was referred to The Clean Environment Commission to prescribe limits, terms and conditions;
- AND WHEREAS after giving notice of the application, the Commission did not receive notice of representation from any person who was likely to be affected by the issuance of a Commission order concerning the said operation;
- AND WHEREAS the Commission considered the application on the 29th day of January, 1986 and issued order no. 1081 on the 3rd day of February, 1986.
- AND WHEREAS the Minister of Environment and Workplace Safety and Health in a letter dated August 10, 1987, requested that the Commission hold a public hearing as soon as possible to hear the concerns of a nearby resident that the sewage lagoon facility was being constructed close to their property and determine whether any changes should be made to this order.

AND WHEREAS the Commission held a hearing in Otterburne on the 21st day of August, 1987 and issued varied Order No. 1081VC on the 25th day of August, 1987;

AND WHEREAS three appeals from the varied Order were filed with the Minister;

AND WHEREAS after reviewing the appeals, on the 6th day of November, 1987, he, the Minister directed the Commission to vary Order No. 1081VC to comply with the provisions of Order-in-Council No. 1271/87 dated the 4th day of November, 1987;

IT IS HEREBY ORDERED THAT ORDER NO. 1081VC BE VARIED TO READ AS FOLLOWS

1. The Applicant shall, prior to the 15th day of September, 1987, maintain and operate the existing single cell sewage lagoon system in such a manner that:
  - (a) the release of offensive odours is minimized;
  - (b) the creation of nuisance conditions is minimized;
  - (c) the organic load on the cell, in terms of five-day biochemical oxygen demand, is not in excess of 56 kilograms per hectare per day;
  - (d) there is no discharge of effluent during the period from the 1st day of November of any year to the 15th day of May of the following year nor between 1st day of June of any year and 15th day of October of the same year.

2. On or before 15th day of September, 1987, the Applicant shall expand, modify or replace the existing single cell sewage lagoon system and shall thereafter operate and maintain the modified or replacement sewage treatment facility in such a manner that:
  - (a) all sewage generated within the boundaries of the Winnipeg Bible College and Theological Seminary complex is directed toward the said sewage lagoon system;
  - (b) there is no discharge of effluent from the said sewage lagoon system:
    - (i) where the organic content of the effluent, as indicated by the five day biochemical oxygen demand, is in excess of 30 milligrams per liter;
    - (ii) where the faecal coliform content of the effluent, as indicated by the MPN Index, is in excess of 200 per 100 millilitres of sample;
    - (b) (iii) where the total coliform content of the effluent, as indicated by the MPN Index, is in excess of 1500 per 100 millilitres of sample;
    - (iv) between 1st day of November of any year and 15th day of May of the following year;
    - (v) between 1st day of June of any year and 15th day of October of the same year;
    - (vi) when flooding from any cause is occurring along the drainage route;
    - (vii) when it will cause or contribute to flooding in or along the drainage route;
  - (c) the release of offensive odours is minimized;
  - (d) 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.

3. The Applicant shall construct the cells of the expanded, modified or replacement sewage lagoon system with clay or other suitable material such that all newly constructed interior surfaces of the lagoon are underlain with a minimum of one metre of soil having a hydraulic conductivity of  $1 \times 10^{-7}$  centimetres per second or less.
4. The Applicant shall notify the Environmental Management Division two weeks prior to the completion of construction, modification or alteration of the sewage lagoon system.
5. The Applicant shall either:
  - (a) subject undisturbed soil samples from the completed sewage lagoon cells 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 2 plane surfaces of each sewage lagoon cell for hydraulic conductivity by an in situ field test method acceptable to the said Division at locations specified by an officer of the Division.
6. 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 5.
7. The Applicant shall, on or before the 1st day of June, 1986, file with the said Environmental Management Division an engineering report and design plans for the expansion, modification, or replacement of the existing single cell sewage lagoon so as to comply with the intent of Clauses 2 and 3 of this Order.

8. The Applicant shall, on or before 15th day of September, 1987, in a manner satisfactory to the Environmental Management Division, make appropriate arrangements for the disposal of septic tank solids into the primary cell of the said sewage lagoon system.
  
9. The Applicant shall:
  - (a) implement a landscaping program on the premises of the said sewage lagoon operation, and
  
  - (b) complete the shelterbelt of trees around the perimeter of the said sewage lagoon;in accordance with Appendix "A" attached to this Order.
  
10. The Applicant shall, on or before 15th day of September, 1987, install a fence around the sewage lagoon facility to limit access by the public.
  
11. Order No. 1081VC as varied by Order-in-Council 1271/87 is hereby designated as Order No. 1081VC0.

Order No. 1081VC0

Dated at the City of Winnipeg

this 6th day of November, 1987.

  
Chairman,  
The Clean Environment Commission.

File: 167.♦

A P P E N D I X " A "

For Order No. 1081VCO

LANDSCAPING PROGRAM:

Embankments shall be seeded above the water line. All the construction area adjacent to and surrounding the lagoon site shall be seeded. Perennial type, low growing, spreading grass that withstands erosion and can be kept mowed is to be used. Alfalfa and other long rooted crops shall not be used in seeding.

The seeding is to be completed no later than June 1, 1988.

The grass shall be kept cut and weed control shall be exercised so that the area looks neat and attractive at all times.

SHELTERBELT:

The fifty (50) foot gap in the shelterbelt on the east perimeter of the lagoon site is to be completed by the installation of trees as follows:

- one row of lilacs, four to six feet high;
- one row of evergreens, four to six feet high;
- one row of ash eight to ten feet high;
- trees are to be planted at sufficient spacing and rows offset to provide a full visual screen of the lagoon facility.

Shelterbelt is to be completed by December 1, 1987.

All trees in the shelterbelt are to be maintained in a healthy state.