

Environment Act Licence

Manitoba
Environment



Licence No. 1396

Issue Date AUGUST 21, 1990

In accordance with the Manitoba Environment Act (C.C.S.M. c. E125) **(REVISED: FEBRUARY 18, 1991)**

THIS LICENCE IS ISSUED TO:

PARKS BRANCH: APPLICANT WASTEWATER TREATMENT LAGOON - OROK SIDING

The following limits, terms and conditions shall be complied with in connection with the construction and operation of a wastewater collection system and wastewater treatment lagoon located in Section 26, Township 57, Range 25 West and with discharge of treated effluent to Little Frog Creek via a swamp area:

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 wastewater treatment lagoon or other approved sewage treatment facilities.
2. The Applicant shall ensure that only domestic sewage is discharged into the wastewater treatment lagoon.
3. The Applicant shall not discharge effluent from the wastewater treatment lagoon:
 - (a) where the organic content of the effluent, as indicated by the five day biochemical oxygen demand, is in excess of 30 milligrams per litre;
 - (b) where the fecal coliform content of the effluent, as indicated by the MPN index, is in excess of 200 per 100 millilitres of sample;
 - (c) where the total coliform content of the effluent, as indicated by the MPN index, is in excess of 1500 per 100 millilitres of sample; or

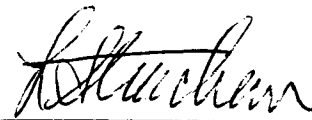
- (d) between the first day of November of any year and the 15th day of September of the following year, unless prior approval, by the Director, is given.
4. The Applicant shall operate and maintain the wastewater treatment lagoon in such a manner that:
- (a) the release of offensive odours is minimized;
 - (b) the organic loading on the primary cell of the lagoon system, as indicated by the five day biochemical oxygen demand, is not in excess of 56 kilograms per hectare per day; and
 - (c) the depth of sewage in the primary cell does not exceed 1.5 metres.
5. The Applicant shall, prior to the construction of the dikes for the wastewater treatment lagoon:
- (a) remove all organic topsoil from the area where the dikes 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 dike will be built, provided all the lagoon dikes 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 wastewater treatment lagoon system with clay or other suitable material such that all interior surfaces of the lagoon structure are underlain with a minimum of 1 metre of soil having a hydraulic conductivity of 1×10^{-7} centimetres per second or less.
7. The Applicant shall arrange with the designated Environment Officer a mutually acceptable time and date for any required soil sampling between the 15th day of May and the 15th day of October of any year, unless prior approval, by the Director, is given.

8. The Applicant shall either:
 - (a) subject undisturbed soil samples from each cell of the completed wastewater treatment lagoon to hydraulic conductivity tests, the number and location of samples to be specified by the designated Environment Officer 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 wastewater treatment lagoon for hydraulic conductivity by an insitu field test method as prescribed by the designated Environment Officer.

9. The Applicant shall, not less than 2 weeks before the wastewater treatment lagoon is placed in operation, submit to the Director the results of the tests carried out pursuant to Clause 8.

10. The Applicant shall, in case of physical or mechanical breakdown of the wastewater collection and/or treatment system:
 - (a) notify the Director immediately;
 - (b) identify the repairs required to the wastewater collection and/or treatment system;
 - (c) complete the repairs in accordance with written instructions of the Director.

11. The Applicant shall install and maintain a fence around the wastewater treatment lagoon to limit access.
12. The Applicant shall construct and maintain an all-weather access road and a sewage dumping station for truck handled sewage. If the dumping facility incorporates a surface splash ramp, it shall be constructed with a smooth hard surface that can be easily washed free of solids.
13. The Applicant shall provide the Director with "as-constructed" drawings of the wastewater treatment lagoon on or before July 1, 1991.
14. The Applicant shall, on or before October 31, 1992, cause the single cell wastewater treatment 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 pollutant.
15. The Applicant shall, on or before January 1, 1991, file a plan for approval of the Director for the rehabilitation of the Pioneer Bay wastewater treatment lagoon site by removing liquid and solid residues to an approved disposal facility and by filling and leveling the lagoon cells and removing the access approaches. The plan shall include a time schedule for implementation of the rehabilitation.



Larry Strachan, P. Eng.
Director
Environment Act

FILE NO.: 3164.00



Memorandum

Date: February 18, 1991

File: 3164

To: C. Gordon Prouse
Director of Parks
402 - 258 Portage Ave.
Winnipeg, Manitoba

From: L. Strachan
A/Director
Environmental Approvals Branch
Building 2, 139 Tuxedo Avenue
Winnipeg, Manitoba
R3N 0H6

Subject: Parks Branch - Orok Siding - Wastewater Treatment Lagoon

Thank you for your memo of January 23, 1991 in which you requested a variation to Clause 13 of Environment Act Licence 1396 to defer the closure of the Pioneer Bay wastewater treatment lagoon and outlined the plan to rehabilitate the site of the Pioneer Bay lagoon.

The request to defer the closure of the Pioneer Bay lagoon until December 31, 1992, will be considered a notice of alteration to the proposal pursuant to Clause 14 of the Environment Act. It has been determined that the proposed change is a minor alteration and that a change to Environment Act Licence 1396 will be required, as follows:

14. The Applicant shall, on or before October 31, 1992, cause the single cell wastewater treatment 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 pollutant.

Approval of the alteration is granted subject to the Applicant complying with Clause 14 of the revised Licence and the following condition:

The Applicant shall complete the decommissioning of the wastewater treatment lagoon as required by Clause 10 of the Environment Act Licence and shall rehabilitate the site in accordance with the plan dated January 23, 1991, which was submitted to the department for approval. If a conflict exists between the plan and Environment Act Licence 1396, the Licence shall have precedence over the plan.

If you have any questions on this matter please contact
Mike Van Den Bosch at 945-7015.



Larry Strachan, P. Eng.

Enclosure - Revised Environment Act Licence #1396

cc: Distribution List

cc: Ross Madder