



Sustainable Development

Environmental Stewardship Division
Environmental Approvals Branch
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File: 2516.10

August 21, 2017

Joyce Thorvaldson
Blue Water Lands Ltd. (Blue Water RV Park and Campground)
Box 329
St. Malo, MB R0A 1T0
Email: jthorvaldson@mymts.net

Dear Joyce Thorvaldson:

Re: Blue Water RV Park and Campground Wastewater Treatment Lagoon – Minor Alteration Approval – Environment Act Licence No. 1140

I am responding to the January 3, 2017 Notice of Alteration, submitted by you, relative to a request for alteration to Environment Act Licence No. 1140 (licence), originally issued for operation of the Development being a wastewater treatment lagoon located on NE 32-18-10 EPM in Rural Municipality of Alexander. The submission is considered a Notice of Alteration (NoA) pursuant to Section 14 of The Environment Act.

The intent of the NoA is to remove the total coliform analysis and the total coliform limit as a condition for effluent discharge as the current wastewater effluent standards for wastewater treatment facilities do not include a total coliform limit to be met before the treated effluent is discharged.

Upon review of the NoA, I am satisfied that the identified changes in the environmental effects as would result from the proposed alterations will be insignificant. Therefore, pursuant to Section 14(2) of The Environment Act, I hereby replace Clause 2 of Clean Environment Commission Order No. 1140 with the following:

2. a) The Licencee shall not discharge effluent from the wastewater treatment lagoon
 - i. where the organic content of the effluent, as indicated by the five day carbonaceous biochemical oxygen demand, is in excess of 25 milligrams per litre;
 - ii. where the total suspended solids content of the effluent is in excess of 25 milligrams per litre;
 - iii. where the fecal coliform content of the effluent, as indicated by the MPN index, is in excess of 200 per 100 millilitres of sample; or
 - iv. where the unionized ammonia content of the effluent is in excess of 1.25 milligrams per litre expressed as nitrogen (N), at $15^{\circ}\text{C} \pm 1^{\circ}\text{C}$.

b) The Licencee shall, when chlorine is used as a disinfecting agent

- i. notify the Director in advance;
- ii. dechlorinate effluent prior to discharge;
- iii. obtain grab samples prior to and daily during the discharge period and have them analyzed for total residual chlorine; and
- iv. not discharge effluent where the concentration of the total residual chlorine is in excess of 0.02 milligrams per litre.

This approval is issued on the condition that you provide, by November 30, 2017, the outstanding information per my letter dated February 18, 2014 as follows:

- i. Certificate of Title showing the owner(s) and legal description of the land upon which the lagoon is built and 55 spots to be developed;
- ii. The current and projected population forecasting;
- iii. An engineering assessment of the current and projected hydraulic and organic loading of wastewater to the lagoon; and
- iv. An engineering assessment of the hydraulic and organic capacity of the lagoon by a licensed professional engineer.

Upon receipt of the requested information, an updated Environment Act Licence will be issued. All other clauses in Environment Act Licence No. 1140 remain in effect.

Should you have any questions concerning this approval, please contact Asit Dey, Environmental Engineer at (204)945-2614 or at asit.dey@gov.mb.ca.

Yours sincerely,



Tracey Braun, M.Sc.
Director
Environmental Approvals Branch

- c. Don Labossiere/Donna Smiley/Diane Oertel, Environmental Compliance and Enforcement Public Registries

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

RE: THE CLEAN ENVIRONMENT COMMISSION and MR. DAVE DUFOUR, Applicant,

WHEREAS pursuant to the provisions of The Clean Environment Act, Poetker Engineering Consultants filed a proposal with the department on behalf of Mr. Dave Dufour in connection with the operation of a sewage lagoon system located in the NE 1/4 of Section 32, Township 18, Range 10 EPM in the Local Government District of Alexander, Manitoba, serving all or part of the Chevretils settlement, with discharge of effluent to the Winnipeg River;

AND WHEREAS in the absence of limits, terms and conditions set by a regulation, the proposal was referred to The Clean Environment Commission to set limits, terms and conditions;

AND WHEREAS after giving notice of its intention to set limits, terms and conditions the Commission did not receive notice of representation from any person likely to be affected;

AND WHEREAS the Commission considered the proposal on the 14th day of January, 1988;

IT IS HEREBY ORDERED THAT

1. The Applicant shall direct all sewage generated within the Dufour Trailer Court toward the said sewage lagoon.
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 fecal 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 between the 1st day of November of any year and the 1st day of October of the following year.
4. 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.
5. 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.
6. 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

6. (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 is to 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 measured perpendicular to the interior surface of the dyke.
7. 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 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 as 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.

Continued

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Dave Dufour

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 9.

11. Order No. 1096 shall be and is hereby rescinded.

Order No. 1140

Dated at the City of Winnipeg

this 15th day of January, 1988.


Chairperson,
The Clean Environment Commission.

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