

Sustainable Development

Environmental Stewardship Division
Environmental Approvals Branch
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March 28, 2017

Dick Menon, P.Eng.
Rural Municipality of Gimli
Box 1246, 62- Second Avenue
Gimli MB R0C 1B0
Email: dmenon@rmgimli.com

Dear Mr. Menon:

Re: Rural Municipality of Gimli- Gimli Wastewater Treatment Plant – Minor Notice of Alteration Approval – Environment Act Licence No. 2587

I am responding to the November 30, 2016 Notice of Alteration, submitted by Bonnie McIntosh, P.Eng., of Birchtree Consulting Ltd., relative to a request for alteration to Environment Act Licence No. 2587 (licence), originally issued for operation of the Development being a wastewater collection system and a wastewater treatment plant located on the west half of 18-19-4 EPM in the Rural Municipality of Gimli. The submission is considered a Notice of Alteration (NoA) pursuant to Section 14 of *The Environment Act*.

The request of the NoA is fourfold:

1. to install a second dewatering centrifuge;
2. to change Clause 16(e) of the licence to 1 mg/L total phosphorous based on a 30-day rolling average instead of not to exceed basis;
3. to change Clauses 16(a) and (b) to 25 mg/L CBOD and TSS limit based on a 98% annual compliance basis; and
4. To delete Clause 16(d) that requires the Licencee to meet the total coliform limit before the 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 amend Environment Act Licence 2587 as follows:

- “annual 98% compliance limit” means a maximum daily concentration limit that is considered to be in compliance if met 358 days of each calendar year;
- “Phase I” means the Development operating with two SBRs, two aerobic digesters, and two centrifuges, which are designed to treat a maximum hydraulic loading of 8400 cubic metres and a maximum organic loading of 2520 kilograms of five-day biochemical oxygen demand over any 24 hour period;

- Five day carbonaceous biochemical oxygen demand means that part of the oxygen demand usually associated with biochemical oxidation of carbonaceous organic matter within five days at a temperature of 20°C, excluding the oxygen demand usually associated with the biochemical oxidation of nitrogenous organic matter;
- Clause 16:

The Licencee shall not discharge effluent from the wastewater treatment plant:

- a) where the organic content of the effluent, as indicated by the five day carbonaceous biochemical oxygen demand, is in excess of the annual 98% compliance limit of 25 milligrams per litre;
- b) where the total suspended solids content of the effluent is in excess of the annual 98% compliance limit of 25 milligrams per litre;
- c) where the fecal coliform content of the effluent, as indicated by the MPN index, is in excess of 200 per 100 millilitres of sample, as determined by the weekly geometric mean for the months of June, July, August and September and by the monthly geometric mean for all other months;
- d) where the total phosphorus content of the effluent is in excess of 1.0 milligrams per litre based on a 30 day rolling average; or
- e) where the total ammonia content is in excess of the concentration specified in Schedule 1 attached to this Licence, as determined by the P^H of the effluent.

All other clauses in Environment Act Licence No. 2587 remain in effect. This approval is contingent on your receiving an updated Environment Act Licence to be issued in the near future.

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. Joann King, CAO, RM of Gimli
Bonnie McIntosh, P.Eng., Birchtree Consulting Ltd.
Don Labossiere/Donna Smiley/Mike Baert, Environmental Compliance and Enforcement
Licensing Clark, Environmental Approvals Branch
Public Registries