



Conservation and Climate

Environmental Stewardship Division
Environmental Approvals Branch
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File No.: 5389.00

November 16, 2020

Joseph Waldner
Brightstone Holding Co. Ltd.
Box 880
Lac du Bonnet MB R0E 1A0

Dear Joseph Waldner:

Re: Brightstone Colony Wastewater Treatment Lagoon – Notice of Alteration for Phosphorus Monitoring

This is in response to a letter from Jason Bunn of WSP of November 6, 2020 requesting an alteration in the location where phosphorus is measured in Environment Act Licence No.3019.

The phosphorus limit of one milligram per litre in Clause 22 e) of the Licence is currently applied in the secondary cell of the facility. A monitoring program conducted over two discharges of the facility in 2020 and described in the letter indicates that the discharge route for the facility on land owned by the colony can effectively reduce phosphorus in the effluent. Therefore, it has been proposed that the phosphorus monitoring point be changed from the secondary cell to the end of the colony owned portion of the discharge route. As the environmental effect of this alteration is insignificant, the alteration can be approved pursuant to Section 14(2) of The Environment Act. The alteration is hereby approved. Licence Clause 22 e) is replaced as follows:

22 e) where the total phosphorus content of the effluent is in excess of one milligram per litre, as measured at the midpoint of each discharge event on the effluent discharge route at the northwest corner of NE 35-15-9E.

All other Licence requirements remain unchanged.

We recommend that phosphorus monitoring results be compared annually. If phosphorus levels gradually increase towards the one milligram per litre limit, action will be needed to comply with the limit. Potential action could include vegetation harvesting along the owned portion of the discharge route to restore nutrient absorption capacity, or phosphorus removal in the secondary cell of the facility prior to discharge.

If you have any questions on this matter, please contact Larry Markwart at 204-392-3227 or Larry.Markwart@gov.mb.ca.

Yours truly,

Original Signed by

Shannon Kohler, Director
The Environment Act

C: K. Harman/Y. Hawryliuk/L. Markwart, Environmental Compliance and Enforcement
Jason Bunn, WSP
Public Registries