



Sustainable Development

Environmental Stewardship Division
Environmental Approvals Branch
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File: 2709.20

August 16, 2016

Ms. Christine Hutlet, CMMMA
Chief Administrative Officer
Rural Municipality of Tache
Box 100
Lorette MB R0A 0Y0
Email: christine@rmtache.ca

Dear Ms. Hutlet:

Re: Landmark Wastewater Treatment Lagoon – Cattail Bio-Platform Pilot Project - Environment Act Licence No. 2025 RR

I am responding to the June 17, 2016 letter submitted by you, relative to a request for minor alteration to Environment Act Licence No. 2025 RR (licence), originally issued for construction, operation and maintenance of the Development being a wastewater collection system, a forcemain connection, and a wastewater treatment lagoon in the Rural Municipality of Tache. Your June 17, 2016 letter is considered a Notice of Alteration (NoA) pursuant to Section 14 of the *Environment Act*.

The intent of the NoA is to access the secondary cells of the wastewater treatment lagoon located on NE-28-8-5 EPM in the Local Urban District of Landmark within the Rural Municipality of Tache in order to field-test a prototype design of floating cattail bio-platforms in a municipal lagoon, study their performance characteristics for growing cattails and sequestering nutrients such as phosphorous, determine the feasibility of using cattails shredding as biofuel or feedstock, and optimize the design for biomass harvesting and nutrient capture.

The NoA describes the intent to apply cattail mulch to an agricultural field as a fertilizer trial. The proponent must give consideration during the Pilot Project design such that all requirements of Nutrient Management Regulation (62/2008) are met.

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 approve the implementation of the proposed trial for the period of 2017 to 2019, with no changes in the effluent limits contained in Clause 14 of the licence.

As you have been previously notified, your wastewater treatment lagoon at Landmark is required to meet the 1 mg/L phosphorus limit as of January 1, 2016 in accordance with the Water

Quality Standards, Objectives and Guidelines Regulation under *The Water Protection Act*. In addition to meeting the 1 mg/L phosphorus limit, you are hereby required to sample, analyze and report on the total phosphorus content of your wastewater effluent prior to discharging to surface water.

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

Yours sincerely,
“original signed by”

Tracey Braun, M.Sc.
Director

- c. Gavin Van Der Linde, Eco-West
Don Labossiere/Donna Smiley/Diane Oertel, Environmental Compliance and Enforcement
Nicole Armstrong, Water Science and Management
Public Registries