



Conservation and Water Stewardship

Environmental Stewardship Division
Environmental Approvals Branch
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File: 150.20

November 6, 2015

Gisele Smith
Acting Chief Administrative Officer
Local Government District of Pinawa
Box 100, 36 Burrows Road
Pinawa, MB R0E 1L0

Dear Ms. Smith:

Re: Notice of Alteration No. 2 – Local Government District of Pinawa – Wastewater Treatment Lagoon – Environment Act Licence No. 230 VC R

I am responding to the November 2, 2015 Notice of Alteration (NoA) No. 2 letter wherein it is indicated that it is necessary to create a clay type soil borrow pit within Secondary Cell No. 4 of the Local Government District (L.G.D.) of Pinawa wastewater treatment lagoon (lagoon) that is currently under construction. Environment Act Licence No. 230 VC R (Licence) applies to this lagoon.

The NoA letter identifies an approach to work with the site soil conditions such that a continuous clay soil liner can be provided for Secondary Cell No. 4 as follows:

1. A borrow area will be established within Secondary Cell No. 4;
2. The borrow area may involve up to 6,500 m² to obtain approximately 4,000 m³ of clay type soil from an area that will range in depth from 0.5 to 1.0 m;
3. A minimum of 1.0 m thickness of natural clay type soil will remain at the bottom of the borrow area as the cell soil liner in that area;
4. The borrow area will be backfilled with till type soil that is considered unsuitable for the cell soil liner; and
5. The borrow area will be surveyed for inclusion on record drawings.

Upon review of this NoA letter and the Licence, I have decided that the environmental impacts of the proposed borrow pit are insignificant. Accordingly, I hereby approve the use of the borrow pit pursuant to the following conditions:

1. The clay soil liner of must be adequately integrated at all locations so as to provide a continuous clay soil liner that satisfies the requirements of Clause 22 of the Licence at all locations of the clay soil liners of each cell;

2. Inspection of the clay soil liner of Secondary Cell #4 must be completed in accordance with the Licence requirements once construction of the cell has been completed; and
3. The location of any borrow area within Secondary Cell #4 must be backfilled with compacted soil so as to attain an elevation equivalent to the design elevation of the bottom of this cell.

If you have any questions or would like to discuss the foregoing, please contact Robert Boswick, Environmental Engineer, at 204-945-6030.

Yours sincerely,

“Original signed by”

Tracey Braun, M.Sc.
Director

- c. Dana Bredin, P.Eng., Geotechnical/Civil Engineer – WSP
Don Labossiere/Donna Smiley/Diane Oertel – Environmental Compliance and Enforcement, Manitoba Conservation and Water Stewardship