



Conservation and Water Stewardship

Environmental Stewardship Division
Environmental Approvals Branch
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EAL No. 2869 RRR

February 25, 2016

Chris Fulsher
Chief Administrative Officer
Rural Municipality of Headingley
1-126 Bridge Road.
Headingley MB R4H 1G9
Email: admin@rmofheadingley.ca

Dear Mr. Fulsher:

Re: Rural Municipality of Headingley Sewage Treatment Plant- Biosolids Option Report

Receipt of the March 20, 2015 Biosolids Options Report (Report) regarding the Rural Municipality of Headingley (Headingley) Sewage Treatment Plant (STP) is acknowledged. The submission of the Report is pursuant to Clause 5 of Environment Act Licence No. 2869 RRR.

The Report presents discussion and information relative to 8 options and potential beneficial uses of the valuable resources contained within the biosolids. The options presented in the Report include:

1. Haul Liquid to the City of Winnipeg NEWPCC;
2. Haul Liquid to Portage la Prairie;
3. Store Liquid Biosolids at 5% on Site, and Inject During Spring and Fall;
4. Cake Storage on Site-Land Application During Spring and Fall;
5. 5% Storage Lagoon Off Site- Land Application During Spring and Fall;
6. Cake Storage by Assiniboine Injections Off Site;
7. Summer Spreading and Winter Landfill; and
8. Continue Existing Program- Landfill year round.

Section 9 (Preferred Biosolids Plan) of the Report indicates that Headingley prefers option 8 (i.e., Continue Existing Program- Landfill year round). The Report goes on to indicate that, in the event that option 8 is not approved by Manitoba Conservation and Water Stewardship, Headingley prefers option 7 (i.e., land application during summer time with winter landfilling).

Disposal of biosolids to a landfill is not consistent with the standard for beneficial reuse of biosolids pursuant to the *Manitoba Water Quality Standards, Objectives and Guidelines* nor is it

consistent with the *Canada-Wide Approach for the Management of Wastewater Biosolids*. I am, therefore, not approving the selection of option 8.

Section 5.1.3 of the Report indicates that composting, in addition to other processes (i.e., high temperature drying, alkaline stabilization, or incineration), is not applicable to the Headingley STP due to high capital and operating costs. It is understood that during recent conversations with representatives of Manitoba Conservation and Water Stewardship, you were requested to include composting of biosolids as an option. However, the report provides minimal discussion relative to composting of the biosolids.

Therefore, in consideration of the above, you are required to submit a report further assessing composting of the biosolids generated at the STP and to submit the hard copy Assessment Report along with an electronic copy to the Environmental Approvals Branch by April 29, 2016.

In the interim, your option to land apply biosolids during the summer with winter landfilling is authorized and it is expected that you will begin plans for land application to be carried out in 2016. Please note that land application of biosolids requires an Environment Act Licence.

If you have any questions, please contact Mr. Asit Dey, P.Eng., at (204) 945-2614 or by e-mail at asit.dey@gov.mb.ca.

Yours sincerely,

“original signed by”

Tracey Braun, M.Sc.
Director

c: Don Labossiere, Director, Environmental Compliance and Enforcement
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