



2018-09-28

Mr. Richard Vendramelli,
Wastewater Contracts Officer
Wastewater Services Division, Water and Wastewater Department
City of Winnipeg
2230 Main St. Winnipeg, MB
R2V 4T8

Subject: No. 619-2016 Biosolids Land Application August 2018 Monthly Report, EAL: 1089 ERR
Client ref.: 619-2016

Dear Sir:

The City of Winnipeg submitted a Notice of Alteration (NOA) to Environment Act Licence (EAL) 1089E RR to Manitoba Sustainable Development (MSD), Environmental Approvals Branch (EAB) on May 23, 2018 to seek regulatory approval for in-field storage and biosolids land application of up to 20,000 wet tonnes in 2018. The NOA was submitted as an interim measure while an Environment Act Proposal for a new in-field biosolids storage and land application program is under review by the EAB.

Approval for the NOA to EAL 1089E RR was received on July 12, 2018 with several key requirements for compliance, including the requirement to provide summary reports of all activities and results associated with each month's activities. The monthly report is to be submitted to the MSD EAB Director within 10 working days of the end of the Month. This letter is to outline the activities completed in August 2018.

- ❖ August 1 to 31: 156 truck loads of wet cake was delivered to the field storage site. This equated to approximately 4098 tonnes being delivered.
- ❖ August 8: A field storage assessment and odour assessment was completed by Darren Keam.
- ❖ August 14: A field tour and odour assessment of the storage site occurred. In attendance was: Amanda Wolfe, Duane Griffin, Richard Vedramelli, Jong Hwang, Michelle Paetkau, Krista Olafsson, Asit Dey, Danette Sahulka and Darren Keam.
- ❖ August 14: A complaint was received about the transport trucks driving too fast past residences along the gravel portion of the route. The City requested that the delivery truck reduce their speed on the gravel road. The complaint was reported to the RM CAO and Environment officers present at the site tour.
- ❖ August 31. A field storage assessment was completed by Darren Keam.
- ❖ August 29, 2018: As per Clause 1 of the NOA - the temporary Technical Advisory Committee met; attendees included; Richard Vendramelli (City of Winnipeg), Rob Boswick (MSD), Brian Wiebe (MSD), Jong Hwang (City of Winnipeg) and Darren Keam (WSP). A general review of the program was completed that summarized activities to date along with discussion of the 2018 schedule for land application.
- ❖ There were no reportable minor or major spills or leaks of fluids, fuels or biosolids on or off-site.
- ❖ No land application of biosolids have occurred to Aug 31, 2018.

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In general, the operation to deliver biosolids to the storage site, including off-load and management at the site have been occurring without incident and are operating efficiently and effectively. Straw material is being blown on the ground surface before stockpiling occurs and over the biosolids each evening to cap the biosolids to ensure odour and vector control.

It is anticipated that this letter meets the needs for August's monthly reporting of activities for 619-2016 Land Application of Biosolids Contract and for the NOA EAL 1089E RR. A variety of photographs are enclosed also for review. If there are any questions or concerns relating to the information provided in this letter, please contact the undersigned at your convenience.

Kind regards,

A handwritten signature in black ink that reads "D. Keam".

Darren Keam, M.Sc., P.Ag.
Team Lead, Environmental Management

DK/dls

cc: Robert Boswick, MSD EAB

Attachments:

2018 Biosolids Management Hauling Summary

Photographs

WSP ref.: 17M-00008-01



Photo 1. Blowing straw over biosolids stockpile.



Photo 2. Straw cover over biosolids stockpile



Date Taken: Aug. 8, 2018

Taken by: DKeam

Project No.: 17M-00008-01

Client: City of Winnipeg

Location: RM of Rosser, MB



Photo 3. Entrance to field storage site.



Photo 4. Storage site field tour, in the storage area.



Date Taken: Aug. 14, 2018

Client: City of Winnipeg

Taken by: DKeam

Project No.: 17M-00008-01

Location: RM of Rosser, MB



Photo 5. Odour Assessment at 50m distant from biosolids storage.



Photo 6. Odour Assessment at 25m distant from biosolids storage



Date Taken: Aug. 14, 2018

Taken by: DKeam

Project No.: 17M-00008-01

Client: City of Winnipeg

Location: RM of Rosser, MB



Photo 7. Odour Assessment at 5m distant from biosolids.



Photo 8. Attendees observing the off-loading area.



Date Taken: Aug. 14, 2018

Client: City of Winnipeg

Taken by: DKeam

Project No.: 17M-00008-01

Location: RM of Rosser, MB