



Environment, Climate and Parks
Environmental Stewardship Division
Environmental Compliance and Enforcement Branch
1007 Century St, Winnipeg MB R3H 0W4
T 204-945-7100 F 204-948-2338
www.manitoba.ca

File No.: 963.20

May 25, 2022

Chris W. Carroll P.Eng, MBA
Manager of Wastewater Services Division
City of Winnipeg
109-1199 Pacific Avenue
Winnipeg MB R3E 3S8
Email: ccarroll@winnipeg.ca

Dear Chris Carroll:

Re: City of Winnipeg Biosolids Land Application Program – Annual Summary Report 2021 - Environment Act Licence No. 1089 E RR

Environment, Climate and Parks acknowledges receipt of the above mentioned report dated January 31, 2022, as well as the amendment submitted May 9, 2022. This report was submitted in accordance with Clause 22 of Environment Act Licence No. 1089 E RR. The report has been reviewed and the following observations were noted:

1. The City of Winnipeg achieved 85% of the 2021 target with a total of 16,931 wet tonnes of biosolids land applied onto 3 fields in the Rural Municipality of Macdonald. Approval was given of up to 20,000 tonnes to be applied.
2. The biosolids were applied at a target rate of 46 wet tonnes per hectare.
3. Two in-field storage sites were used in the Rural Municipality of Macdonald. These storage sites were bermed using round bales.
4. Five odour assessments were completed at the storage sites between June and August. The average odour rank was determined to be 1.76 on the annoyance level, which equates to a faint odour. Additional odour assessments were conducted during land application, with the highest level recorded being 2 (annoying).
5. Soil sampling and monitoring occurred in accordance with the Notice of Alteration dated April 27, 2021. Post application monitoring will continue for three years, as required in the Notice of Alteration.

6. In the last five years, the land application program has facilitated the re-use of nutrients by crops which equating to 568 dry tonnes of nitrogen and 281 dry tonnes of phosphorous.

If you have any questions on this matter, please contact Julie Froese, Environment Officer, Environmental Compliance and Enforcement Branch at Julie.Froese@gov.mb.ca or 204-945-7104.

Sincerely,



Julie Froese, Environment Officer
Environmental Compliance and
Enforcement

- c. Michael A. Jack, CAO, City of Winnipeg
Maira Geer /Cynthia Wiebe / Renee.Grosselle, Water and Waste Department, City of Winnipeg
Darren Keam, WSP
James Capotosto/ Siobhan Burland Ross/ Robert Boswick, Environmental Approvals Branch
Yvonne Hawryliuk/ Nada Suresh, Environmental Compliance and Enforcement Branch
Public Registry