



Water and Waste Department • Service des eaux et des déchets

**JAN 19 2018**

Manitoba Sustainable Development  
Climate Change and Environmental Protection Division  
Environmental Approvals Branch  
Suite 160 – 123 Main Street (Box 80)  
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Attention: Tracey Braun, M.Sc., Director

**RE: 2017 Biosolids Master Plan Annual Progress Report**

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The Biosolids Master Plan was approved on March 10, 2016 and requires that the City of Winnipeg (City) submit annual reports on planning activities by January 31 of each year. This report is for 2017, in which the City diverted approximately 16% of its biosolids to sustainable reuse through the piloting activities described below.

**Compost Pilot**

In 2017 approximately 5240 wet tonnes of biosolids have been composted. This represents 11% of the City's 2017 biosolids production. Since the start of the pilot, the total mass of biosolids composted is 10,000 wet tonnes, which is 8% of total biosolids production. The facility has not been able to reach its 20% goal because of shutdowns and cold weather. The City cannot compost when the weather is colder than -10C.

The finished compost is being tested and compared to the metals and pathogen reduction standards of the Canadian Council of Ministers of the Environment (CCME) Guidelines for Compost Quality. Preliminary results show that meeting the required pathogen kill is a challenge. The compost continues to be utilized as a soil for landfill top cover.

A one year extension to the pilot was granted in January 2017, revising the completion date to May 4, 2018. Clause 78 of Environment Act Licence No. 3081R required that a summary report be submitted 30 months after commissioning the site, but this clause did not take into account the one-year extension.

The pilot is expected to conclude in May 2018, 40 months following commissioning. To address this, the City is requesting approval to:

- Extend the deadline for a summary report on the compost pilot to October 1, 2018 and,
- Continue biosolids composting while the summary report is being developed by the City and reviewed by Manitoba Sustainable Development.

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**Land Application RFP 619-2016**

The land application pilot program started in December 2016 and the City conducted public engagement with stakeholders from March to August 2017. The requests for two pilots, in-field storage assessment and land application, were approved by Manitoba Sustainable Development in September 2017 and were conducted from September to November of 2017. As a result, the City land applied 2,621 wet tonnes of biosolids in the RM of Macdonald.

The summary reports for the field storage assessment and the land application pilot program were submitted to Manitoba Sustainable Development in December. Pending Manitoba Sustainable Development's review of the submitted reports, the City intends to develop a land application program in 2018.

**Soil Manufacturing**

Solid Waste Services plans to start a three year pilot project for soil fabrication using the City's biosolids at Summit Landfill. A bid opportunity for consulting services to support this work was issued in 2017. The work will commence in 2018.

Should you have any questions on this report please contact Duane Griffin by email at [dgriffin@winnipeg.ca](mailto:dgriffin@winnipeg.ca) or by phone at 204-986-4483.

Yours truly,



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Manager of Wastewater Services Division

MP/jl

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