



**Water and Waste Department • Service des eaux et des déchets**

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Manitoba Conservation and Water Stewardship  
Environmental Approvals Branch  
Suite 160 – 123 Main Street (Box 80)  
Winnipeg, MB R3C 1A5

Attention: Ms. Tracey Braun, M.Sc., Director

Dear Ms. Braun:

**RE: 2015 Biosolids Master Plan Annual Progress Report**

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The following report provides an update on City of Winnipeg biosolids activities, as per the 2014 City of Winnipeg Biosolids Master Plan.

**Biosolids Master Plan**

The Master Plan was submitted in September 2014 and is pending regulatory review.

**Struvite**

On July 24, 2015 the City pre-selected Ostara Nutrient Recovery Technologies Inc. to supply and deliver a struvite recovery system. Ostara's technology will be incorporated into the digestion system to recover phosphorous and nitrogen as part of the North End Sewage Treatment Plant (NEWPCC) Upgrades.

**Thermal Hydrolysis Mesophilic Anaerobic Digestion**

The thermal hydrolysis pre-selection and digestion project has been consolidated into the NEWPCC Upgrade. It is now being reported under the 'North End Water Pollution Control Centre, Environment Act Licence No. 2684RRR – Progress Report'.

**Land Application Request for Information (RFI)**

The City is currently developing a request for information (RFI) regarding land application, which will be posted in 2016. The RFI is similar to the RFI (518-2013) described in the Biosolids Master Plan but is specific to those who land apply biosolids to agricultural land. The intent is to evaluate the vendor's preferred terms and conditions for land application.

As per the 2014 Biosolids Master Plan schedule, the City will determine by mid-2017 if land application prior to the NEWPCC Upgrades is viable.

**Compost Pilot**

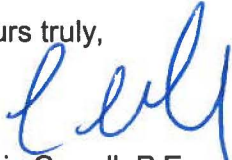
The biosolids compost pilot commenced May 4, 2015. The objective is to compost 20% of the City's biosolids over two years. Manitoba Conservation and Water Stewardship visited the compost site on June 25, 2015.

As of May 4, 2015 approximately 2,000 wet tonnes of biosolids have been composted. This represents approximately 9% of the City's biosolids production for this time period. The facility is operating and currently being optimized to reach the 20% composting goal.

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 are promising but we continue to adjust and optimize the process to produce a consistent product.

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

Yours truly,



Chris Carroll, P.Eng., MBA  
Manager of Wastewater Services

MP/je

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