



Water and Waste Department • Service des eaux et des déchets

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

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

Dear Ms. Braun

RE: City of Winnipeg Biosolids Master Plan 2014 Update

The City of Winnipeg (City) Biosolids Master Plan (BMP) made a commitment to update Manitoba Conservation and Water Stewardship annually on master planning activities and milestones.

The BMP was submitted to Manitoba Conservation and Water Stewardship on September 29, 2014. It is a 30-year vision for sludge treatment and biosolids management to maximize sustainable reuse and nutrient utilization. The plan focuses on thermal hydrolysis to produce a low-pathogen product suitable for land application and soil manufacturing.

In addition to submitting the BMP, the City also began to procure a technology to recover struvite/phosphorous; the invitation for bids closed on November 27, 2014. The successful proponent will work with the City and consultants to design and incorporate their technology into the North End Water Pollution Control Centre (NEWPCC) BNR and sludge treatment upgrades. Sludge from the South End Water Pollution Control Centre (SEWPCC) and West End Water Pollution Control Centre (WEWPCC) will continue to be hauled to the NEWPCC for sludge treatment and future phosphorous recovery. This is being done to maximize nutrient recovery and reuse.

As part of the BMP the City committed to a two-year pilot for biosolids composting. This pilot will evaluate biosolids composting while the planning and construction of the thermal hydrolysis facility is underway. The facility is currently being commissioned.

In 2015 the City intends to preselect a thermal hydrolysis vendor for the sludge treatment train at the NEWPCC. The City also plans to merge the sludge treatment upgrade with the NEWPCC BNR upgrade. Future updates on the sludge treatment

upgrades, including thermal hydrolysis procurement, will be given as part of the bi-annual NEWPCC upgrade progress reports.

BMP activities for 2015 will include a Request for Qualifications to land appliers. The City will use the information from this process to understand the terms, conditions, and concerns that contractors have for managing nutrient management plans with the City's existing biosolids. This information will be used in 2016 to determine if land application can become a successful strategy for biosolids reuse before the NEWPCC upgrade is completed.

Should you have any questions regarding this letter please contact Mr. Duane Griffin, P.Eng at 204-986-4483 or by email at dgriffin@winnipeg.ca

Yours truly,



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

MP/jr

- c: D. Sacher, P.Eng, Water and Waste Department
- G. Patton, P.Eng., Water and Waste Department
- D. Griffin, P.Eng., Water and Waste Department
- J. Veilleux, P.Eng. Water and Waste Department