

# Request for Information for Biosolids Master Plan

September 5, 2013



# Outline

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# Background

- Required by the Province to submit a Biosolids Master Plan by October 2, 2014
- Master plan requirements:
  - sustainable reuse of biosolids and/or end product(s)
  - utilization of nutrients (nitrogen and phosphorous)

# Existing Facilities

- Three City-owned and operated sewage treatment plants
  - produced about 13,500 dry tonnes of biosolids in 2012
  - expected to produce 23,000 dry tonnes of biosolids by 2037

## Practice to Date

- Since 1990, deliver, spread and incorporate a portion of the biosolids to agricultural land at no cost to landowners
- Since January 1, 2011, biosolids have been landfilled at the Brady Resource Management Facility due to revised provincial nutrient regulations

# Future Plans

- Upgrading north end and south end sewage treatment plants with biological nutrient removal facilities
- Adding digestion and dewatering facilities at the south end plant
- Developing a two-year pilot program to test the feasibility of composting 20% of biosolids

# Developing Our Biosolids Master Plan

1. Identify relevant technologies and practices that are used to treat and reuse biosolids
2. Consult industry professionals, stakeholders and the public
3. Select technologies for treatment and reuse of biosolids based on information gathered in Steps 1 and 2
4. Submit BMP to Manitoba Conservation in October 2014

# Relevant Technologies and Products

- Possible treatments:
  - land application
  - composting
  - pelletization
  - thermal oxidation
- Open to other possibilities
- Open to more than one treatment as part of the BMP



# Reason for the Request for Information

- Gauge interest of respondents in providing a technology and/or service
- Understand potential contract structures, commercial parameters, risk sharing
- Provide opportunity to help shape a plan to manage biosolids

# Goal of the RFI Questions

- Your business and company profile
- Your technology and the services you provide
- The different arrangements your company would be willing to consider regarding marketing and reuse of the products and services
- What your company would prefer in terms of finances

# Benefits of Issuing the RFI

- Provide a fair, transparent opportunity to private sector businesses
- Comply with the City's procurement process
- Provide consistent information to all potential vendors

# Benefits of Responding to RFI

- Showcase your technology/service/company
- Influence our plan to manage biosolids
- Be on record for future opportunities

# RFI Closing and Review

- RFI submissions due September 30, 2013
- Review the submissions and shortlist possible treatment technologies – October 2013
- City may contact you for further clarification

# Next Steps

- Consult stakeholders and the public – Oct. 2013 - March 2014
- Develop a master plan – April – September 2014
- Submit master plan to Manitoba Conservation in October 2014
- Implement master plan once we receive provincial approval

**Questions ?**

# Relevant Websites

- City of Winnipeg Biosolids Website
  - <http://www.winnipeg.ca/waterandwaste/sewage/projects/biosolids/>
- City of Winnipeg Biosolids Compliance Reports
  - <http://www.winnipeg.ca/waterandwaste/sewage/WPCCLicenseMonitor.stm>
- Manitoba Conservation and Water Stewardship Nutrient Management Plan Guidelines
  - <http://www.gov.mb.ca/waterstewardship/wqmz/guidelinesfordevelopment.html>



## Relevant Websites

- Manitoba Water Protection Act (See 4.2(2))
  - <http://web2.gov.mb.ca/laws/statutes/ccsm/w065e.php>
- Canadian Council of Ministers for the Environment (CCME) Sustainable Reuse of Biosolids
  - [www.ccme.ca/assets/pdf/pn\\_1473\\_biosolids\\_guidance\\_eng\\_1.0.pdf](http://www.ccme.ca/assets/pdf/pn_1473_biosolids_guidance_eng_1.0.pdf)