



Water and Waste Department • Service des eaux et des déchets

**Brady Road Resource Management Facility
Community Liaison Committee**

Meeting #9

Date: Thursday Nov 1, 2017

Location: Water and Waste Department, 1120 Waverley (Meeting Room #3)

Attending:

DB – Darlene Boettcher	Citizen – Winnipeg (Charleswood)
DO – Dave Olinyk	Citizen – Winnipeg (Richmond West)
JB – Janine Boulanger	Councillor – RM of Ritchot
LS – Leanne Shewchuk	University of Manitoba
RT – Robert Turski	Councillor - RM of Macdonald
SB – Sonja Bridges	Manitoba Sustainable Development
TS – Tyler Smith	Ladco Company Ltd
CK – Chris Kozak	City of Winnipeg – Solid Waste
DD – Daryl Doubleday	City of Winnipeg – Solid Waste
DDC – Daniel Dacraene	City of Winnipeg – Solid Waste
GR – Geoff Reimer	City of Winnipeg – Solid Waste (Chair)
BM – Brad Muller	Notetaker, FPS
MKH – Michelle Kuly Holland	Facilitator, FPS

Regrets:

JZ – Jason Zhu	Citizen – Winnipeg (Fort Richmond)
MM – Martha Moffat	Citizen – RM of Ritchot
MC – Michael Carruthers	Ladco Company Ltd
GB – Grant Baker	Citizen – RM of Macdonald
JS – Jeff Scott	Southwood Golf & Country Club
MN - Myrrhanda Novak	Citizen – Winnipeg (South Pointe)
WD – William Dowie	Green Action Centre
CW – Corinne Webb	Councillor – RM of Ritchot
SF – Shanleigh Forsyth	Citizen – Winnipeg (St Norbert)

Agenda:

1. Session opening & issues scan
2. Items for updates, discussion:
 - a) Environmental Monitoring
 - b) Leachate and surface water management
 - c) Odour, noise, vector and nuisance concerns
 - d) Project updates
 - e) Innovation & partnerships
 - f) User experience & communications
3. New items for discussion
4. Session closing, action items review and next steps



Meeting Objectives:

- Receive update on activity, projects and programs at Brady
- Identify issues or concerns at Brady with impact on local environment and measures to mitigate them

<p>1. Session opening & issue scan</p>	
<p>MKH – Opened the meeting. The committee purpose, agenda and meeting guidelines were reviewed. Round table introductions were made including new committee member Janine Boulanger, Ritchot Ward 4 Council member. MKH invited participants to identify any personal objectives, questions for the meeting and noted meeting #8 minutes and presentation are available on the project website. No additional agenda items were added.</p> <p>MKH – Noted Jason Zhu, citizen rep for Fort Richmond has resigned due to other commitments. Search for new representative via Fort Richmond-University Heights Neighbourhood Association is under way.</p>	<p>Info</p>
<p>2. Items for updates and discussion a) Environmental Monitoring</p>	
<p>CK – Provided overview of Winnipeg landfills. City has 33 closed landfills and one active landfill, Brady Road Resource Management Facility. Landfills are monitored to protect environment and human health. Monitoring includes surface water, groundwater, leachate, landfill gas. Brady has been monitored since 1975, long before it was licenced, and monitoring continues today. Landfill gas – methane and carbon dioxide – is monitored using probes.</p> <p>DO – Inquired how many landfill gas probes are in the city and how many at Brady?</p> <p>CK – The primary focus of probe monitoring is at closed landfills</p> <p>CK – Every landfill has a methane control zone and testing is done to make sure methane isn't travelling outside control zones. Control zones vary from zero to 90 metres depending on site specific characteristics and analysis. A methane gas policy was adopted by council in 1979, updated in 1984. Properties within control zones are subject to the policy, which is controlled by the permitting process.</p> <p>SB – Inquired about setbacks from control zones?</p> <p>CK – Noted setback requirements are site specific and dependent on use.</p> <p>CK – Provided overview of closed landfill improvement program.</p> <p>LS – Inquired if it was common practice historically to build landfills along the rivers?</p> <p>CK – Noted yes, this was done historically for river access.</p>	<p>Info</p>
<p>b) Leachate and surface water management</p>	
<p>CK –Right now there is considerable expense in collection, extraction and trucking leachate for treatment. A leachate study is under way to provide suggestions on what to do with leachate that's been collected, bringing technology and different options into play. This is a starting point for an overall strategy, more innovative, efficient options. Noted a Master Plan for Brady will be submitted this fall and the surface water management plan is complete.</p> <p>DO – Inquired about St. Boniface Landfill and leachate extraction?</p> <p>CK – The landfill is being monitored Leachate extraction is difficult to go back onto a site without a leachate collection system that has been installed from the onset. The study outlines methods of mitigating any risks.</p> <p>DB– Will the committee be able to review the Master Plan?</p> <p>DD – Wants to share as much information as possible.</p> <p>RT– Inquired whether water entering Brady is also leaving at the same quality.</p> <p>DDC – Noted that yes, water entering the site must leave in the same quality. Weirs are used to control surface water.</p>	<p>Info</p>



c) Odour, noise, vector and nuisance concerns	
<p>CK – Noted City received 6 odor complaints since last meeting (June 1, 2017). Noted landfill gas expansion is complete, doubling of number of wells and extensive piping to improve collection of landfill gas which causes odour. Will continue to flare the gas. In process of quantifying and qualifying landfill gas to eventually look at marketing it as energy source.</p>	Info
d) Project updates	
<p>DD – Provided update on various projects at Brady including: construction of new administration building (will be informed by LEED green building principles) with expected completion 2018; refurbishing/rebuilding of Charette Road to start 2018, wasn't designed to handle current traffic volumes, and improvements will reduce noise, dust; yard waste and biosolids composting continues, will continue to use material as final cover at Brady to promote vegetation growth. Bid underway to sell 5,000 cubic meters of leaf and yard waste compost to see what market might exist for product.</p> <p>DO – Inquired what biosolids are composed of?</p> <p>DD – Noted it is a water waste product – comes out as a sludge. Currently testing different uses and applications – this is composted separately from yard waste. Biosolids are mixed with woodchips, aged for three days and cured for 10-15 days.</p> <p>TS- Inquired about odor from bio-solids applied on fields?</p> <p>DDC – Noted the City works with partners to identify field application in remote locations – biosolids are injected into the ground to help mitigate odour.</p> <p>RT – Noted odour has been an issue on recent application in RM of Macdonald – not a remote enough location.</p> <p>DDC – Noted appreciated hearing/sharing this info and reiterated request that committee members and others continue to do so. Location selection process can continue to be refined.</p> <p>DDC – Construction of centralized leachate tank is progressing very well, expect to be completed July 2018. New cell construction began in July, expect to be completed December 18, 2018. Cell construction plans are mapped out to 2023. Master plan will consider cost and implications of various cell construction locations for beyond 2023.</p> <p>DO– Inquired with amount of yard waste, etc. being diverted from landfill, has the life expectancy of cells changed?</p> <p>DDC – We have a good sense of the life expectancy on the cells. Possible cell life has extended slightly due to diversion of yard waste.</p> <p>DO – Inquired whether there is spill containment for leachate collection tank?</p> <p>DDC – Noted yes, spill containment measures have been constructed, concrete pad is two and a half times the capacity of the tank.</p> <p>TS – Inquired whether the Master Plan looks at cell construction moving west given increase in residential properties?</p> <p>DDC – Noted there are engineering and infrastructure challenges that need to be considered in the location/progression of cells.</p> <p>DDC – Provided landscaping update. Following landfill gas expansion, north face has been restored with native prairie grass mixture; also working on berms. Hopewell planting trees along Perimeter, northwest corner Waverley and Trappistes – will be completed in 2018. Waverley Berms have been completed – covered with vegetative material and ready for hydro seeding. Lime mud - the remaining material from the sugar refining process, is being transported from the former sugar beets plant site on Chevrier to construct berms at Brady to mitigate noise and smell and to provide a visual buffer.</p> <p>DB – Inquired if there is an intent to put trees along the berm?</p> <p>DDC – Yes.</p> <p>DO– When will the berms be finished?</p> <p>DDC – Due to having more material than originally estimated they have extended the agreement</p>	Info



<p>until the end of 2018. There is a warranty period to ensure any deficiencies are caught. DB– At what point do the berm walls become more aesthetically pleasing? DDC – The landscape plan has not been finalized but there is ongoing commitment to manage the slopes of these berms. SB – Notes landscaping plan is a licence requirement. DD – Provided a 4R Winnipeg Depot update. Over 6,000 metric tonnes of material diverted so far at Brady Depot in 2017 (compared to 4,079 metric tones 2016). Pacific 4R Winnipeg Depot opened in 2017, diverted over 1,000 metric tonnes to date. Pacific is smaller sight than Brady, the main difference is that this site does not take garbage – this effects the traffic flows. 4R Depot planned for Panet Road at Mission Street in 2018, similar to Pacific.</p>	
e) Innovation & partnerships	
<p>DD – Working with the International Institute for Sustainable Development (IISD) and Wastewater Services to compost cattails from storm water ponds; 3,377 tons of cattails have been composted. LS – Noted that cattails could be pelletized, equivalency to wood pellets – suggests reaching out to UofM for additional information. DD – Noted additional partnerships, innovations include: ongoing discussions to convert landfill gas to energy; discussions continue on possibility of diverting mattresses from landfill; SYLVIS soil manufacturing pilot project, soil produced will be monitored throughout 2017, final report on project due in 2018.</p>	Info
f) User experience & communications	
<p>DD – Noted the City is working on posting average wait times/traffic volume at Brady online. Also noted that concerns over odour or other nuisance complaints can be reported via 311 (phone 311 or email 311@winnipeg.ca) but also via @cityofwinnipeg on Twitter and Facebook. On My Waste app Winnipeggers can report missed collections or damaged carts.</p>	Info
3. New items for discussion	
<p>DD – Provided waste collection update. New residential collection contract started October 1, 2017. City is now serviced by two different contractors (split between east and west). City projects 33,321 tonnes of yard waste will be composted in 2017. One well-packed garbage truck is equivalent of seven to eight tonnes. Will go to council in April with plan for use of excess compost. DB – Inquired if City engaged with commercial landscapers, or was there a desire not to compete with commercial landscapers? DDC – Noted City recently issued RFP to understand what interest there may be commercially for use of compost.</p>	Info
4. Session closing, action items review & next steps	
<p>Action items:</p> <ul style="list-style-type: none"> • Next meeting to be scheduled for early May (group prefers over June) • Provide new committee members with copy of environmental licence and terms of reference • Update slide 15 to read “energy” instead of “electricity” • Provide committee with web link to stats on collection, diversion 	<p>Facilitator Facilitator</p> <p>City City</p>