



Water and Waste Department • Service des eaux et des déchets

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

Meeting #8

Date: Thursday June 1, 2017

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

Attendees:

DB – Darlene Boettcher	Citizen – Winnipeg (Charleswood)
DD – Daryl Doubleday	City of Winnipeg – Solid Waste
DO – Dave Olinyk	Citizen – Winnipeg (Richmond West)
DS – Darcy Strandberg	City of Winnipeg – Solid Waste (Chair)
KK – Katie Krahn	Notetaker, FPS
KL – Kyle Wingate	City of Winnipeg – Solid Waste
LS – Leanne Shewchuk	University of Manitoba
MC – Michael Carruthers	Ladco Company Ltd
MKH – Michelle Kuly Holland	Facilitator, FPS
MM – Martha Moffat	Citizen – RM of Ritchot
MN - Myrrhanda Novak	Citizen – Winnipeg (South Pointe)
SB – Sonja Bridges	Manitoba Conservation and Water Stewardship
WD – William Dowie	Green Action Centre

Regrets:

CW – Corinne Webb	Councillor – RM of Ritchot
GB – Grant Baker	Citizen – RM of Macdonald
IS – Irv Silke	City of Winnipeg – Solid Waste
JS – Jeff Scott	Southwood Golf & Country Club
JZ – Jason Zhu	Citizen – Winnipeg (Fort Richmond)
RT – Robert Turski	Councillor - RM of Macdonald
SF – Shanleigh Forsyth	Citizen – Winnipeg (St Norbert)

Agenda:

1. Session opening & issues scan
2. Standing items for update, discussion:
 - a. Landscaping plan
 - b. Lime mud berm construction
 - c. Odour, noise, vector and nuisance concerns
 - d. Leachate, surface water management
 - e. Access management, user experience on site
 - f. Research partnerships and resource development
 - g. Long-term site planning
 - h. Seasonal & project activity
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 & participant’s objectives</p>	
<p>MKH – Opened the meeting. The committee purpose was reviewed. Reviewed the agenda and meeting guidelines. Round table introductions were made. MKH invited participants to identify any personal objectives, questions for the meeting. Meeting minutes and presentation are available on the project website. No additional agenda items were added.</p> <p>MKH – Noted that as a result of no quorum of Council and of the Province appointing an Administrator for the RM, the RM of Ritchot has requested that Councillor Webb be removed from the subcommittee. The RM will appoint a member of Council after the July 19th by-election. Committee recognized and thanked CW for her work on the committee and asked MKH to pass along that message on their behalf.</p> <p>MKH – Reported that Councillor Lukes was invited to the meeting but was unable to attend and passed along her regrets. Councillor Lukes will continue to be included on meeting invitations.</p> <p>MKH – Introduced DS to give presentation, asked that a brief synopsis of progress to date be given, as context for new members.</p>	<p>Info</p>
<p>2. Short-term landscaping plan update</p>	
<p>DS – Reported north face hydro-seeded last year and will continue on the northwest and the top of the landfill this fall. Hopewell to plant trees on berm along Perimeter Highway in 2017, with more trees to be planted in 2018. 12 trees and 14 shrubs were planted in order to test survivability. All survived – none were affected by landfill gas. Will continue to evaluate need for additional trees on lime mud berms and closed portions of landfill in 2019 and 2020. Provided illustration of where seeding was taking place and elevation for final caps on site.</p> <p>DB – Inquired if/when land contouring would occur on site.</p> <p>DS – Contouring is a part of future work and will occur following completion of work on the north face.</p> <p>WD – Inquired about use of landscaping as part of future development.</p> <p>DD – Noted landscaping may be part of future development, but will be considered in more detail following construction on future cell on site.</p> <p>WD – Inquired about what tree species were successful</p> <p>DS – Noted IS would have that information and committed to follow-up with him to provide it.</p>	<p>Info</p>
<p>3. Lime mud berm construction update</p>	
<p>DS - Reported approximately 96% of lime mud has been hauled and used to date, with hauling to be completed by end of Summer 2017. Berm construction work on Waverley Street will continue and the project completion date has been extended to December 1, 2017. Capping will commence once complete.</p> <p>DO – Inquired about a warranty period for the extended work.</p> <p>DS – Confirmed a 7-year warranty period exists for the work.</p> <p>DD – Noted as lime mud berm is built it is covered in clay and compost for planting. Noted City would use own vegetative waste/compost as final vegetative cover on site.</p>	<p>Info</p>

<p>4. Odour, noise, vector and nuisance concerns & updates</p> <p>DS – City has received 2 odour complaints in 2017 so far. Shared that there were 24 odour complaints in 2016, compared to 10 or 12 in 2015, but that multiple complaints are coming from some residents. Each complaint that goes to 311 is investigated, and air quality is tested and recorded, along with wind direction. Noted some odours may be caused by agricultural activities in the area and the importance of reporting odours as soon as possible to ensure proper investigations can occur. Noted activities being used to help reduce noise, odour and litter including new lime mud berm, monitoring wells for odours and portable fencing.</p> <p>MKH – Raised JS’s comments (submitted via email) noting odour complaints affecting large groups on Saturday, May 27 and Tuesday, May 30 at the golf course and Waverley Complex, respectively. JS noted those affected were unlikely to contact 311.</p> <p>DS – Agreed to follow up with JS to look into complaint in more detail.</p> <p>DD – Noted that dead animal and biosolid waste are typically causes of increased odour and are not collected on Saturday and further investigation will be needed to help determine the cause.</p> <p>DB – Noted many people may be affected but not reporting odour when it occurs. Suggested signs reminding people to call 311 with odour complaints may help to increase reporting and City may want to consider erecting some in the area.</p> <p>WD – Noted 311 reporting could be more user-friendly and provide options other than telephone or email to reduce call waiting times and provide real time data, such as a text option</p> <p>DS – Reminded committee of options to contact 311 by email or via social media.</p> <p>WD – Inquired about colour of fences used on site.</p> <p>KW – They are steel mesh and are not visible from Kenaston.</p> <p>DS – Falconer’s season started March 1, 2017 and will continue through October, weather permitting. Techniques include disrupting bird nesting habits to prevent nesting on site in the future.</p> <p>DS – Landfill gas expansion construction to take place July – October, 2017 and includes 24 wells and 3,500 metres of piping. Expansion expected to collect an additional 1,000 standard cubic feet per minute and will collect gas from northern leachate manholes.</p>	<p>Info</p>
<p>5. Leachate, surface water management concerns & updates</p> <p>DS - Leachate study to be finalized in July 2017 and includes Brady Road Resource Management Facility, Summit Road, Saskatchewan Avenue and Kilcona Park. Draft master plan for BRRMF in final review by the City, to be completed July, 2017. Surface water management plan is complete. City will be installing 300 kg leachate storage tank this year and consider natural leachate evaporation but final options will be detailed in the final report.</p> <p>DO – Noted smell of leachate is really offensive.</p> <p>LS – Inquired about nature of leachate (organic, chemical, etc).</p> <p>DS – Reported that KGS is working with UM students on leachate composition and handling and has reported that leachate includes organic materials, heavy metals, chemicals, etc.</p> <p>WD – Inquired about what UM department is participating in the study.</p> <p>DS – Noted City is working with both UM and UW. Did not have specific department names on hand but would provide them following the meeting.</p>	<p>Info</p>

<p>MN – Inquired about how leachate is treated. DS – Leachate is collected and treated in accordance with government regulations and discharged into the river. <i>Additional note from DS – For clarification, in regards to surface water drainage from Brady Road Resource Management Facility. The water flows to a weir located in the west corner near the 4R depot off Brady Road, the water flows east to the west end of Coulee into the La Salle then to the Red River.</i></p>	
6. Access management, user experience concerns & updates	
<p>DS – Radio station at depot is operational (92.7) and footage for YouTube has been filmed. Will continue to use live web updates for clean fill (commercial haulers). MN – Inquired whether YouTube meant to increase public awareness and suggested they may want to update YouTube footage from 2016. DS – Yes, intended to build awareness about site including how to use it and what to expect when you arrive. WD – What does live web update include? DS – They are currently working on best methods for live web update, which includes considering text and video options. WD – Suggested the City may want to consider providing video via Nest/weblink, which is easy-to-use, inexpensive technology.</p>	Info
7. Research partnerships and resource development	
<p>DS – Reported that Solid Waste is working with IISD and Wastewater services to compost cattails from stormwater ponds, which is generally going well. They continue to have discussions with Manitoba Hydro on converting landfill gas to electricity. DO – Inquired about whether changes underway at Manitoba Hydro would affect this project. DD – City has established letter of intent to work with Manitoba Hydro and that work has not been affected to date and will continue. DD – Annual report will come out in June and include helpful information and details about WWD projects, public communications and positive impacts of their programs. Committed to provide copy to Committee when available. DB – Inquired about life span of gas. DS – Life span is approximately 15-20 years (at level needed to maintain use for secondary power). WD – Inquired whether that life span could be affected if Brady stops accepting compost. DD – Noted information not available on hand but that Annual Report will have additional information about gas capture and conversion. LS – Any other landfills other than Brady being considered for capture? DS – Not at this time. DS – Discussions on diverting mattresses from the landfill continue. DD – Directed by Council to work with Mother Earth recycling. Mother Earth are not currently accepting mattresses from City as they are in pilot stage and working on funding, partnerships and method for mattress collection and surcharges. SB – Echoed DD’s comments noting Mother Earth are still new and working out their</p>	Info

<p>operations and funding before accepting materials.</p> <p>WD – What is value proposition of diverting bulky materials from landfill?</p> <p>DD – Some preliminary work has shown that value of diverting a mattress is calculated on a landfill airspace basis.</p> <p>DS – 34,029 tonnes of yard waste composted in 2016 (increase from 33,475 tonnes in 2015). Material composted on site and used for funnel cover and has also been provided to Parks. Will continue to look at different options to use materials.</p> <p>DB – Noted recent positive media coverage showing the amount of garbage per household has decreased.</p> <p>WD – What is the amount of yard waste not being composted?</p> <p>DD – Noted this information is available in the Annual Report, which will be provided to Committee once it is made public.</p> <p>MC – Asked about the equivalent of tonnes to cubic metres.</p> <p>DD – The conversion is equivalent to about 500 cubic metres of soil.</p> <p>WD – Suggested that units of measurement could be updated from tonnes/cubic metres to a measurement that is more relatable to the general public (for example: grey bin equivalents).</p> <p>DS – City partnered with SYLVIS in a soil manufacturing pilot project in March 2017 that mixes biosolid, woodchips and clay to make a viable compost/soil material. City introduced 500 cubic metres of soil to be used on site and will continue to monitor and test quality of soil. Final report due in 2018.</p> <p>WD – Inquired about whether this study could have been related to JS odour complaint.</p> <p>SB – Noted the study occurred in March which did not correspond to the dates of JS complaints.</p>	
<p>8. Long-term site planning</p>	
<p>DS – Reported that the new administration building at Brady is in the design stage with bid opportunity out last week and construction expected in 2017 and 2018. The construction will be informed by LEED-NC principles. Solid Waste is continuing to review refurbishing or rebuilding Charette road. If funding is approved, construction would begin in 2018. Construction of centralized leachate tank will begin in July 2017.</p> <p>WD – Noted the new building design will be informed by LEED principles but will not be LEED-certified.</p> <p>DS – Appreciated the clarification and will update the slide terminology accordingly before the minutes are posted.</p> <p>DO – Formally recognized recent accident at Brady turnoff, noting that 4R depots will mean increased traffic. Although traffic is not within the Committee’s mandate they should recognize that safety is a concern around landfills.</p> <p>WD - Suggested Committee may want to request province adjust speed limit adjustments (extending 80 km/h area).</p> <p>MC – Noted that province already plans to build new intersection with signal lights for Brady Road landfill.</p> <p>DB – Noted it would be good to get some more information about how the Committee could advise.</p> <p>DO – Inquired about frequency and volume of leachate hauling and suggested that might</p>	<p>Info</p>

<p>provide leverage in safety discussions with province. DD – Will request status update on intersection traffic and what City’s protocol is to provide a recommendation.</p>	
<p>9. Seasonal & project updates (Winter/Spring)</p>	
<p>DS – Shared that Solid Waste continues to work with Wood Anchor, who reclaim elm trees and use them for flooring and furniture. Yard waste and biosolid composting continues, with the compost to be used as final cover at Brady. DB – What does Wood Anchor do with the material? DS – They convert to flooring and furniture. They have some custom works at the Forks. Encouraged members to visit the Wood Anchor website for more information. DS – Pacific 4R Depot opened in January 26, 2017. Averaged 67 vehicles per day in April. Panet construction to begin in May 2017, expected to open early 2018. DB – Inquired about whether the compost giveaway event was a success. DS – Yes, it was a huge success. On April 22, City gave away 100 cubic metres of compost. Was a very well-attended event even though it was snowing. WD – Inquired what the City attributed its success to. Suggested City could leverage free compost to support organics composting program in the future. DD – They did their research from other jurisdictions and made sure to be prepared, including an onsite project coordinator to keep people moving, manage concerns and ensure the event went smoothly. DD - Councillors have inquired whether City could use compost to generate revenue. Will not pursue broader commercial use or sale at this time. DB – Can community gardens use compost? DD – There is no formal program in place to provide the material, but small amounts may be provided on request for community gardens, donations to community groups, education purposes, etc.</p>	<p>Info</p>
<p>10. New items</p>	
<p>All – Committee formally recognized Darcy, thanking him for his participation on the Committee and wishing him all the best for a happy and successful retirement. DD will update Committee with replacement when that information is available. All – Committee discussed whether Chair of SPC Water & Waste, Riverbank Management and the Environment (Councillor Mayes) should also be extended meeting invitations. MKH – Noted that typically Councillors can be cc’d to keep them aware of the meetings. DB – Noted it would be helpful for Councillors to attend at least one meeting to get a sense for the work they do and mandate for committee and how their work affects their committees, areas, etc. All – Group recommended that Chair (Councillor Mayes) be sent a formal invitation to the next meeting and then kept in the loop of meetings going forward. DB – Inquired about activity/construction taking place south of the landfill site. DD informed owner of the site is not known but that the City is not the owner and/or carrying out any work there.</p>	<p>Info</p>
<p>11. Session closing and next steps</p>	
<p>Next meeting date to be determined – likely late October/early November.</p>	<p>Info</p>

Action Items	
<p>Reviewed action items from last meeting (Nov 2016):</p> <ul style="list-style-type: none"> Find out, of odour complaints, how many of them do we know were from Brady vs agricultural activities/undetermined? <i>COMPLETE. Causes of the two complaints in 2017 were undetermined. Noted public is encouraged to report odour complaints contemporaneously so that proper investigation can be conducted. Noted City continues to mitigate odour using berm, flaring, etc.</i> All members of the group to get the My Waste app and provide feedback. Members were also asked to share the app with their networks. <i>CARRIED FORWARD. Action item to be carried forward. MKH to add as a specific action item on next agenda to collect group feedback on the app.</i> Take the idea of cameras to deter illegal dumping away for consideration and report back to the group. <i>COMPLETE. Darcy reported that City will continue to consider possibility of cameras and actions to reduce illegal dumping.</i> Group to report any illegal dumping that they encounter to the city to 311. <i>COMPLETE.</i> DD to look at the livability notice, to see if it is possible to include information on tipping fee exception program for community groups. <i>COMPLETE. DS reported information is available online at the following locations: Community cleanups on our website: http://winnipeg.ca/waterandwaste/garbage/brady/tippingFee.stm Neighbor Day; where corporate is advertising community cleanups: http://winnipeg.ca/Interhom/NeighbourDay/default.stm</i> All members of group interested in a tour should contact MKH and include when they would ideally like a tour (i.e. in 2016 or at a later date in spring 2017). <i>CARRIED FORWARD. Action item carried forward – fall tour to be planned. MN, MC, SF, LS indicated interest in tour, possibility of alternates/other group representatives attending as well if space permits.</i> 	<p>MKH</p> <p>All</p>
<p>Reviewed new action items:</p> <ul style="list-style-type: none"> All members of the group to get the My Waste app and provide feedback. Members were also asked to share the app with their networks. Add as a specific action item on next agenda to collect group feedback on the MyWaste app. All members of group interested in a fall 2017 tour should contact MKH. 	<p>All</p> <p>MKH</p> <p>All</p>

<ul style="list-style-type: none"> • Pass along 'thank you' to Corinne for her work on behalf of the Committee. • Provide top 3 successful tree species. <p><i>COMPLETE. Sabre Bigtooth Aspen, Manitoba Maple, Prairie Sky Poplar and Common Hackberry Trees were planted and all survived and were in good condition.</i></p>	MKH DS
<ul style="list-style-type: none"> • Provide Chair SPC Water & Waste, Riverbank Management and the Environment (Councillor Mayes) with formal invitation to next meeting and include on future invitations going forward. • Look into additional signage encouraging people to report odours to 311 and possible alternatives to telephone/email. • Look into providing live video for wait times, etc. via Nest/weblink, which is easy-to-use, inexpensive technology. • Follow-up with JS to investigate odour complaints. 	DS DS DS DS
<p><i>COMPLETE. The City completed odour monitoring on May 25th, 29th, and May 31st. It was noted that the commercial tipping face was quite odour intense on the 29th and 31st due to biosolids trenching, wind was coming from the NNW or NNE, and would not travel into the Waverley West area. There was no agricultural spreading on any of those days.</i></p>	
<ul style="list-style-type: none"> • Provide names of UM/UW departments that City is partnering with on leachate research. <p><i>COMPLETE. The Solid Waste department has in the past worked with the University of Manitoba specifically with the Department of Civil Engineering and the Department of Microbiology in regards to leachate quality and treatment. The Solid Waste department continues to have discussions with both the University of Manitoba and University of Winnipeg in regards to future studies for the treatment and handling of leachate.</i></p>	DS
<ul style="list-style-type: none"> • Provide annual report to MKH for circulation to Committee (expected June 2017). <ul style="list-style-type: none"> • Related: Consider updating units of measurement (for diversion achieved, etc.) tonnes/cubic metres to a measurement that is more relatable to the general public (for example: grey bin equivalents). • Update slide terminology around LEED certification of new Brady administration building prior to posting online. • Request status update on intersection traffic and look into City protocol to provide a recommendation to the province on traffic safety. 	DD DS DS
<p><i>COMPLETE. The city has contacted MIT in regards to the status of the realignment/new intersection effecting Brady Road turn off including making changes/adjustments (reduction in speed and or improved signage) to improve safety in the interim. When this information becomes available the City will update the Committee.</i></p>	