



Water and Waste Department • Service des eaux et des déchets

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

Meeting #5

Date: Thursday, November 19, 2015

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

Attendees:

RT – Robert Turski	RM of Macdonald
DB – Darlene Boettcher	Citizen – Winnipeg (Charleswood)
SF – Shanleigh Forsyth	Citizen – Winnipeg (St Norbert)
SB – Sonja Bridges	Manitoba Conservation and Water Stewardship
DO – Dave Olynyk	Citizen – Winnipeg (Richmond West)
KS – Kim Sysa	Citizen – Winnipeg (South Pointe)
IH – Ian Hall	University of Manitoba, Office of Sustainability
TS – Tiffany Skomro	City of Winnipeg – Public engagement
DS – Darcy Strandberg	City of Winnipeg – Solid Waste (Chair)
IS – Irv Slike	City of Winnipeg – Solid Waste
MKH – Michelle Kuly Holland	Facilitator, FPS
SP – Sarah Piercy	Note taker, FPS

Guest

Presenter: CK – Chris Kozak
Supervisor, Environmental Monitoring, City of Winnipeg Landfills

Observer: BS – Bev Sawchuk
St. Norbert Ward (EA, Ward Liaison Counc. Lukes)

Regrets:

JS – Jeff Scott	Southwood Golf & Country Club
WD – William Dowie	Green Action Centre
GB – Grant Baker	Citizen – RM of Macdonald
MM – Martha Moffat	Citizen – RM of Ritchot
CW – Corinne Webb	Councillor – RM of Ritchot
JZ – Jason Zhu	Citizen – Winnipeg (Fort Richmond)
MC – Michael Carruthers	Ladco Company Ltd (questions for meeting shared in advance, via email)

Agenda items:

1. Session opening & issues scan
2. Standing items for updates, discussion:
 - a. Landscaping plan

- b. Lime mud berm construction
 - c. Seasonal & project activity
 - d. Odour, noise, vector and nuisance concerns; demonstration of odour testing
 - e. Leachate, surface water management
 - f. Access management, user experience on site
 - g. Research partnerships and resource development
 - h. Long-term site planning
3. New items for discussion:
- a. Leaf and yard waste
4. Session closing and next steps: 2016 meeting dates

Meeting Objectives:

- Receive update on activity, projects and programs at Brady
- Identify issues or operations at Brady and measures to mitigate them
- Identify options, key considerations and factors to support use of leaf and yard waste compost

1. Session opening & participants objectives	
<p>MKH: Opened the meeting at 5:00 p.m.; round table introductions were made. The committee purpose and action items from the previous meeting were reviewed. Meeting minutes and presentation are available on the project website.</p> <p>Additional Agenda items added:</p> <ul style="list-style-type: none"> • IH to share updates on Brady Road Landfill and University of Manitoba research project at Glenlea Research Station. <p>Intro and Updates:</p> <p>DB – Currently lives in Charleswood. Her family owns land beside/adjacent to Brady Road Landfill; her father bought the land the year before Brady Road was designated as Landfill and constructed. Believes we need to think about the language concerning resource from waste.</p> <p>IH – University of Manitoba currently contributes 40,000 tons of waste to landfill; the University recently re-designed waste/landfill management system, with a goal of seeing a 50% capture of recyclables. The University plans to use ticket data from landfill to validate findings to-date and track progress.</p> <p>RT – Attending committee on behalf of the municipality of MacDonald. Is worried about drainage from West to East, from Samborski’s operations.</p> <p>BS (OBSERVER) – Attending today as Observer, on behalf of Counc. Lukes; Counc. Lukes is watching growth of Waverley West and that the Brady Road Landfill falls within the St. Norbert ward; Counc. Lukes wants to focus on communications to residents to help understand what is going on. Counc. Lukes office has also had</p>	<p>Info</p>

<p>increase in calls since Samborski has leased property alongside Brady. In the Rural Municipality of MacDonald, a civil suit has come forward, and Bridgwater Lakes Community advisory groups have emerged to dialogue with government about Samborski.</p> <p>IS – Project Coordinator, City of Winnipeg; plans to offer another tour in the spring 2016 of the Brady Road Landfill.</p> <p>SF – Is a current citizen of St. Norbert. Is interested in construction at Brady Road; participated in recent tour of Brady Landfill.</p> <p>DO – Enjoyed tour of Brady Landfill but noted recent chatter concerning Samborski, notably that construction debris (concrete rubble, drywall examples cited) was visible in Samborski property; as well, DO (and other guests on tour) wondered how Samborski was able to get road access off of Brady Road to his property. Wants to know ‘where Brady is going?’ in the long-term – recently heard from someone within Bridgwater Lakes that Brady Road Resource Management Facility will close in 5 years.</p> <p>SB – Oversees environmental licenses for the province of Manitoba.</p> <p>KS – Community member; noted has been invited by Counc. Lukes to join the South Pointe Residents Committee.</p> <p>MC – MKH indicated MC’s questions were received in advance of meeting by email and will be part of discussion.</p> <p>TS – Public Engagement, City of Winnipeg.</p> <p>CK – Supervisor Environmental Monitoring, City of Winnipeg Landfills.</p> <p>MKH – Facilitator, First Person Strategies (FPS).</p> <p>SP – Note taker, FPS.</p>	
<p>2. Short-term landscaping plan update</p>	
<p>DS – Since the previous meeting, over 80 trees have been planted along the North face of Brady on existing berm. The City intends to plant an additional 30 trees and shrubs on East face but wants to see the survival rate of currently planted trees before proceeding further. Ten different species were planted in mid-October 2015.</p> <p>MC – When will the north side be planted with grasses?</p> <p>IS – Grass will be installed later in the year (2016).</p> <p>BS (OBSERVER) – Have trees been planted before, or is this new?</p> <p>IS – Yes, trees were planted off/on in the 80’s, but these are part of the landscape plan. Within the presentation (shared), an image shows two pipes, stationed beside a newly planted tree; our intention is that these pipes (installed perpendicular to the ground, with two pipes being installed along each tree) will aide in tree growth at Brady Landfill.</p> <p>DS – These trees were planted as part of the recommendation of this committee to assist in the mitigation of odour and litter control.</p>	<p>Info</p>

<p>DO – Will they continue this service? DS – We are not sure; these are private businesses and recommended calling before taking any material to these locations. SB – For additional info, The Green Manitoba website maintains a regular list of options for Manitoba residents. DS – Four depots are planned throughout the city to give residents options. We will share updated details on when the Brady Road 4R is intended to open.</p>	<p>DS</p>
<p>5. Odour, noise, vector and nuisance concerns & updates</p>	
<p>DS – share update:</p> <ul style="list-style-type: none"> • Will begin discussions with contractor to renew contract with falconer (falcon handler at Brady Road Landfill) • Close existing landfill cells, with minimum one meter clay cap as per Licence – then place compost to promote growth • Will explore expanding landfill gas capturing when sections of the landfill are closed • Will continue to work with New Direction employees to control litter; this work consists of areas around Brady Road at a minimum three (3) times/week, collecting litter. • Odour: lime mud berms will aid in reducing odour and litter. <p>MC – Seeking more information about odour control, and public posting about odour complaints. Regarding the odour level report, can I get some more info on that? Is there a report or other information available? Just anecdotal, our field manager who is out in South Pointe daily, indicates that from his perspective, negative odour levels seem to be lower/fewer than in previous years and when it does occur, it is typically short lived. This is positive.</p> <p>DS – So far, the odour level complaints this year have been minimal, which is a positive development.</p> <p>DB – Are people clear about what to do when they smell an odour at Brady?</p> <p>DS – It is a landfill and odours are a natural byproduct, residents are to call 311 and the City will continue to work towards mitigating odours.</p> <p>MC – The recent articles in the newspaper regarding Samborski, is there any info on this? What is the status of their environmental license?</p> <p>DS – The city has no comment about Samborski; the city suggests interested parties to contact province of Manitoba.</p> <p>SB – There is an odour complaint form for the province on the website.</p> <p>BS (OBSERVER) – Counc. Lukes website has same form at www.janicelukes.ca; responses will be sent to the province. After a recent meeting with Min. Nevakshanoff, and Don Labossiere, Counc. Lukes is well aware that it is a complaint based system.</p> <p>KS – How often is biosolids (sewage sludge) spread on Brady?</p> <p>DS – Material is spread up to six day a week, depending on availability.</p> <p>KS – The odour is worst in South Point after biosolids spreading. I've been keeping track on a calendar – to see if/when the odour corresponds.</p> <p>DS – Kim, please continue to keep track on your calendar, and share it with solid</p>	<p>Info</p> <p>KS, All</p>

<p>waste so the city can correlate results to spreading patterns on site. The entire committee is also welcome to share similar information with DS.</p> <p>KS – Is there a location for complaints – can residents go online?</p> <p>DS – The city is in the process of setting up a complaints process re: Brady Road Landfill; the city is currently dealing with concerns related to FIPPA. The committee will be informed when this is complete.</p> <p>DB – Are the odour issues at Brady Road about picky people, or does the city actually want real complaints?</p> <p>DS – Yes, the city wants real complaints; we track odour complains through 311.</p> <p>CK – For information, the city had five complaints in total (with a few repeaters); 3 that complained shared home address, the city is looking at a plot map of complaints / odour monitoring, to verify if they are in/around landfill. As well, the city does monitor Hydrogen Sulfite; the human nose requires 3 parts/billion for smell recognition (.01%) of ‘rotten eggs’ odour. The city research region is around Brady; a 15-20 second reading is taken, which ultimately generates a number of metrics. The reading is impacted by many factors that influence odour (wind speed, temperature, and barometric pressure are accounted for). These tests are taken two to five times/week, depending on the number of complaints and other sources, hitting all sites. Before the city had an environmental licence, the city was out often testing; testing results indicated that Brady was always well under OSHA guideline (100 parts/million).</p> <p>DO – OSHA is a compliance level that applies to workers within eight hour workday; those standards do not apply to children, or people with compromised immune systems.</p> <p>Chris Kozak - DEMONSTRATION:</p> <p>The device (a small, handheld ‘box’, with a testing receiver at one end) measures Hydrogen Sulfite in parts/billion, in the air. The demo included measuring a Ziploc bag containing a hardboiled egg; the results measured 4.7 parts/million. Current examples of the Brad road site are .005/million, on site. City staff also use their ‘nose’ to monitor smell; it has been suggested that a South West wind will negatively impact Waverley West, dispersing more of the smell. The city has determined that covering any spread biosolids material quickly is the most beneficial; the city has also used straw in the past.</p> <p>IS – You can use this machine to pin point where Hydrogen Sulfite is actually being generated in a landfill, it is that precise.</p> <p>DB – There is one tool to sample Hydrogen Sulfite? Are there other materials generating odours at Brady?</p> <p>CK – Yes, but the city is not sampling other odours. At this time, we do not have any other means to measure/capture other odours; however, if you smell the ‘rotten egg smell’ which is Hydrogen Sulfite, other gases must be present.</p> <p>DS – At this time, the complaint process is reactive and subjective; smells may be different to each resident, and are impact by weather/wind.</p> <p>BS (OBSERVER) – Counc. Lukes office has received complaints, by phone and email; we had not thought to pass along that information. Our office will follow up with</p>	<p>Committee Members</p> <p>DS</p>
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<p>DS re: sharing this info and encouraging people to reach out to 311, and to communicate with the Dept. at the province of Manitoba. DS – Going forward, complaints should go directly to Water + Waste (+ 311).</p>	<p>DS</p>
<p>6. Leachate, surface water management concerns and updates</p>	
<p>DS – Shared update:</p> <ul style="list-style-type: none"> • Second part of surface water management plans is underway (ditching, cleaning and water management) • Leachate study was just awarded to KGS • Top 3 recommendation on best leachate control, including lifecycle and cost, will be presented next year • Will look at Four sites: <ol style="list-style-type: none"> 1. Brady Road Resource Management Facility 2. Summit Road 3. Saskatchewan Road 4. Kilcona Road <p>The city will come up with the three best possible options for review. Currently leachate is hauled away.</p>	<p>Info</p>
<p>7. Access management, user experience concerns & updates</p>	
<p>DS – Shared update:</p> <ul style="list-style-type: none"> • 4R Wpg Depot signage • Will direct residential traffic to new depot; commercial traffic will continue to be directed to current drop off location • The city is looking at purchasing solar signage with programming capacity to share even more info at each 4R site • New lighting installed at tipping fences • Radiation detection units installed to monitor radioactive waste 	<p>Info</p>
<p>8. Research partnerships and resource development</p>	
<p>IH – share update on research partnerships and resource development at University of Manitoba and Glenlea Research Station:</p> <ul style="list-style-type: none"> • The city has provided wood chips to University of Manitoba for two projects • The University hosts the National Centre for Livestock and the Environment, a national livestock/agricultural facility, on campus; is mandated to reduce odour. Research projects at Glenlea are underway. • University of Manitoba is testing a project that looks at the feasibility of a livestock producer having the opportunity to compost on the farm; we know that there is less cost, a better environmental footprint, and a reduction in disease spreading. • The (contained) test includes Dutch elm infected lumber and vegetable materials. • Co-composting manure and opportunity materials <p>Research includes:</p> <ul style="list-style-type: none"> • Assessing near-source waste diversion opportunities for waste/low value, quality compost 	<p>Info</p>

<ul style="list-style-type: none"> • Used windrows: dairy manure with, and without wood chips • Outreach was used to communicate with farmers, and a hands on compost workshop was held in October 2015 • Because this research is of interest to so many stakeholders, IS willing to offer a tour of Brady again – to keep interest going. • If this research proves successful, it has the means to change the way manure is managed in Manitoba, how our soil is managed and how our water is maintained; and, possibly, market gardeners may have a new resource. • Ongoing discussions to explore options to use resources at Brady for energy/electricity (landfill, gas, wood burning); this would only proceed when City sees business case to proceed. • Will continue to explore other techniques and technologies. • The end goal is to give this material back to market gardeners, with Glenlea being the source of material. 	
9. Long-term site planning	
<p>MC – Re: new cell design and construction; when will that occur, and where will it go? Can I get more info on this, possibly a map?</p> <p>DS – shared update:</p> <ul style="list-style-type: none"> • New cell design and construction in 2016 • Second half of cell recently completed – accept material in November of 2015. • New cells are moving south, away from Perimeter • A new administration building design is in progress; possible construction in 2017/2018 if budget approved • Had three meetings to-date with Waste and Diversion Advisory Committee. • Will keep committee updated as the Organics Diversion Strategy goes forward. 	<p>Info</p>
10. Leaf and Yard Waste	
<p>DS – Shared update:</p> <ul style="list-style-type: none"> • Material produced from leaf and yard waste compost meets CCME guidelines • Produced 30,000 tons • At this time, the City asks: What do YOU suggest City does with this material? • We seek your feedback; should we sell it, give it away, other options? <p>MC – Ladco would be open to discussing using some of the composing material; this is put on the table as a discussion item.</p> <p>DB – Would like to see the City using this excess material on its own property, so it doesn't have to buy materials.</p> <p>DS – The City wants to be mindful and does not want to compete with local landscapers.</p> <p>KS – Could it be used on local school yards? Or could it be donated?</p> <p>DS – We do want to examine if this material can be a revenue generator.</p> <p>IH – As I understand it, the city cannot give away city property; if it is deemed surplus, then it must be sold. Regulatory considerations are also a concern. For example, in Ontario, road construction projects built near waterways need to use</p>	<p>Info</p>

<p>composted materials to prevent soil erosion; within Manitoba, there are lots of roads to be built, we need to find the proper use for this material.</p> <p>DS – Now that we know we’ve met CCME guidelines, we can think about using the material in other spots.</p> <p>KS – Could also consider horticulture groups, community gardens (for income compromised/community garden groups).</p> <p>BS (OBSERVER) – Consider using it on schools, playgrounds; the city allocates funding to various environmental groups; can the city consider criteria, create a priority list, focus on city properties, allow for room to grow and then look beyond. This material could increase synergies and increase awareness about Brady Landfill; suggested to increase awareness of this program to all 15 ward programs. This concept could be shared with Council to give added value and more awareness and create more options. Suggested the Biz groups could also access this material (for planting flowers, etc.), although this would be a competition issue.</p> <p>DS – As tonnage amount increase every year, the material will be used on City of Winnipeg sites first – perhaps within the coming year.</p> <p>DB – If there is no interest by the city in competing with local landscapers, are there small/big users who could access this material?</p> <p>KS – Many community garden groups now go to Stony Mountain Penitentiary to access compost.</p> <p>DO – The city may have liability concerns, or if CCME revises criteria concerning this material; as such, there is a level of caution and concern.</p> <p>IH – Regarding the competition reasons, making unlimited amounts free to private companies seems unreasonable. We want to get to Triple Bottom line (Environmental, Social and Revenue) reporting as a functional option for the city.</p>	
<p>11. Session closing and next steps</p>	
<p>MKH – Close the meeting at 7:00 p.m.</p> <ul style="list-style-type: none"> • The next committee meeting is TBD; we are looking to spring 2016. • MKH will keep committee informed. Interest was expressed at the last meeting that two meetings per/year – in spring and fall – worked well. • The committee has met in June, and now in November; if there is a need to meet more frequently, schedule will adjust. • MKH will circulate meeting notes for approval via email well before the next meeting date. 	<p>MKH</p>
<p>Action Items</p>	
<p>ACTION ITEMS:</p> <ul style="list-style-type: none"> • IH seeks information of what the final output/disposition of 4R materials are intended for. • Once available, DS will share update with committee on when 4R depot is intended to open. • DS will advise committee when work on lime mud berm hauling and 	<p>DS</p> <p>DS</p> <p>DS</p>

<p>construction resumes.</p> <ul style="list-style-type: none"> • MC (and other committee members) can contact SB at the province of Manitoba for additional information, re: Samborski environmental licence. • KS will continue to record and submit info to Darcy regarding landfill odour; rest of Committee is encouraged to do the same. • The city is in the process of setting up a complaints process re: Brady Road Landfill; the city is currently dealing with concerns related to FIPPA. DS will inform committee when this is complete. • Counc. Lukes office has received complaints, by phone and email; we had not thought to pass along that information. BS and DS will follow up re: sharing this info and routing people to 311, and to communicate with the Dept. at the province of Manitoba. • Interest in touring of Brady Road Landfill by BS, Counc. Lukes. DS noted this option has been suggested to Council – will continue to keep it in mind. • DS to determine what maps on new cell design and construction could be circulated in response to MC's request. • Organic Waste Diversion update/discussion add to agenda at future meeting. • MKH will circulate meeting notes for approval via email well before the next meeting date. 	<p>MC KS, and all DS DS DS DS MKH MKH</p>
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