



Water and Waste Department • Service des eaux et des déchets

**Brady Road Resource Management Facility (BRRMF)
Community Liaison Committee**

Meeting #17

Date: Monday, December 6, 2021 1:00 – 2:30 PM

Location: Zoom video conference (online)

Attending:

<i>MC – Mike Carruthers</i>	<i>Ladco Company Ltd.</i>
<i>NS – Nada Suresh</i>	<i>Manitoba Conservation and Climate</i>
<i>YH – Yvonne Hawryliuk</i>	<i>Manitoba Conservation and Climate</i>
<i>KH – Kristal Harman</i>	<i>Manitoba Conservation and Climate</i>
<i>BT – Brooke Thomas</i>	<i>Manitoba Conservation and Climate</i>
<i>KK – Kale Kostick</i>	<i>University of Manitoba</i>
<i>DB – Darlene Boettcher</i>	<i>Citizen – Winnipeg (Charleswood)</i>
<i>DO – Dave Olinyk</i>	<i>Citizen – Winnipeg (Richmond West)</i>
<i>JF – Jacquie Field</i>	<i>Citizen – Winnipeg (Fort Richmond)</i>
<i>RT – Robert Turski</i>	<i>Councillor – RM of Macdonald</i>
<i>CK – Chris Kozak</i>	<i>City of Winnipeg – Solid Waste (Presenter)</i>
<i>ES – Etoile Stewart</i>	<i>Blueprint, Facilitator</i>
<i>TS – Tiffany Skomro</i>	<i>Blueprint</i>

Regrets:

<i>MN – Myrrhanda Novak</i>	<i>Citizen – Winnipeg (South Pointe)</i>
<i>JG – Jason Greenall</i>	<i>Citizen – RM of Ritchot</i>
<i>CB – Cole Braden</i>	<i>Citizen – RM of Macdonald</i>
<i>SP – Shane Pelletier</i>	<i>Councillor – RM of Ritchot</i>
<i>JB – Janine Boulanger</i>	<i>Councillor – RM of Ritchot</i>
<i>WD – William Dowie</i>	<i>Green Action Centre</i>
<i>JS – Jeff Scott</i>	<i>Southwood Golf</i>

Agenda:

1. 1:00 – 1:15 p.m. Introductions and meeting overview
2. 1:15 – 1:20 p.m. Brady licence and committee purpose recap
3. 1:20 – 2:40 p.m. City presentation and discussion
4. 2:40 – 2:45 p.m. Review action items
5. 2:45 – 3:00 p.m. New business
6. 3:00 p.m. Review and adjourn



Meeting Objectives:

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

Meeting Notes:

1. Introductions and meeting overview																														
ES – Opened the meeting, reviewed agenda and meeting guidelines.		Info																												
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3. City presentation and discussion																														
<p>Impact of COVID-19 on Brady CK – Able to maintain on-site operations during entire pandemic. Residential volumes have returned to normal, and have been consistent throughout the whole year. Didn't receive much leaf and yard waste during the summer months, which was due more to the drought conditions.</p> <p>Was part of the MARR (Manitoba Association of Regional Recyclers) Conference that included a tour of the compost and 4R Depot facilities. Hope to provide tours again in the future to the Brady CLC, as it has been a few years since have given a tour of the site. Would be nice to see all the changes first hand. Everyone would need to be vaccinated.</p> <p>ACTION: CK to follow up with committee before next meeting to organize a tour.</p> <p>Landscaping and long-term planning CK – Lost quite a few trees along the service road, which is now Ethan Boyer Way, due to expropriation of land. Continue to work with the Province to get losses back on the trees. Planted an additional 187 trees/shrubs on the lime-mud berm on the north and west side of the landfill.</p>		Info																												
<table border="1"> <thead> <tr> <th>Species Name</th> <th>Common Name</th> <th># Planted</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td><i>Shepherdia argentea</i></td> <td>Buffaloberry</td> <td>25</td> <td>2 gallon</td> </tr> <tr> <td><i>Prunus virginiana</i></td> <td>Red-fruited chokecherry</td> <td>15</td> <td>2 gallon</td> </tr> <tr> <td><i>Quercus macrocarpa</i></td> <td>Bur oak</td> <td>10</td> <td>1 gallon</td> </tr> <tr> <td><i>Salix amygdaloides</i></td> <td>Peach-leaved willow</td> <td>5</td> <td>2 gallon</td> </tr> <tr> <td><i>Prunus pumila</i></td> <td>Sand cherry</td> <td>35</td> <td>1 gallon</td> </tr> <tr> <td><i>Symphoricarpos albus</i></td> <td>Snowberry</td> <td>26</td> <td>2 gallon</td> </tr> </tbody> </table>			Species Name	Common Name	# Planted	Size	<i>Shepherdia argentea</i>	Buffaloberry	25	2 gallon	<i>Prunus virginiana</i>	Red-fruited chokecherry	15	2 gallon	<i>Quercus macrocarpa</i>	Bur oak	10	1 gallon	<i>Salix amygdaloides</i>	Peach-leaved willow	5	2 gallon	<i>Prunus pumila</i>	Sand cherry	35	1 gallon	<i>Symphoricarpos albus</i>	Snowberry	26	2 gallon
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<i>Rhus glabra</i>	Smooth sumac	6	2 gallon
<i>Populus tremuloides</i>	Trembling aspen	15	2 gallon
<i>Rosa spp.</i>	Rose	20	1 gallon
<i>Elaeagnus commutata</i>	Silverberry, Wolf-willow	15	2 gallon
<i>Quercus macrocarpa</i>	Bur oak	15	bare root
	TOTAL	187	

CK – All were containerized trees, not whips like planted in the past. The containerized trees did much better, despite the dry conditions. Found in the past that survival was poor on the berm due to the grazing of voles, rabbits and deer, as well as competition for water and also the other vegetation on the berm. Installed some fencing to keep deer and rabbits away. Sheet guards helped again voles. Sprayed around where planting the trees to kill the grass before planting the trees/shrubs. All have helped to improve survivability.

DO – Are those varieties black knot resistant? It was a big issue with the initial planting. The Committee wanted different types of trees in case something equivalent to black knot took them out.

CK – Not sure, but know that they planted a diversity of trees to address what you are talking about. They are continuing to monitor to see how they are doing. Smooth sumac appeared to do the best, so may plant more of that.

ACTION – CK to check on whether trees are black knot resistant.

DB –Can we get a list of the trees planted?

CK – A list will be provided with the meeting minutes.

CK – Cell 30 on the north west side of landfill is closed, and seeded with prairie grass and cover crop. Will reseed if necessary in the spring, given the drought conditions had this year.

Odour, noise and nuisance management

CK – 25 odour complaints from 17 different people since the last CLC meeting. 3 of the complaints were not likely due to Brady since wind was blowing in the opposite direction of the landfill at the time of the complaints. Most complaints came during the summer time when there were operational issues. Had a surplus of deadstock, creating a worst-case scenario, where rendering plant had to shut down due to hot weather. A few people were also on vacation. Made some operational change and since then only received a few complaints. Operationally will make sure to keep those changes in place to mitigate odours in the future.

DB – That is more complaints than usual. Thank you for explaining.

CK – There were some extenuating circumstances where we received a lot of dead stock in a short period of time.

CK – Falcons are finished for the year and will continue eggging and birding program next year. Haven't seen more migratory birds this year. In the fall had quite a few seagulls that were short-lived as they were migrating. The continuous eggging program we did in the spring for geese will help next year, as they imprint on their birthplace so they don't come to Brady next year.

CK – Litter control program continued, where single use plastics seem to be the biggest obstacle to litter. Try to be proactive as possible, covering with wind fences.
 Will do a cover your load education campaign this winter and spring. Going to have by-law officers and scale house attendants hand out pamphlets to let people know what is required when bringing anything on site. More for residential customers that come less frequently to the landfill. Want to start as an educational program, not looking to fine people.

DO – Would be good to have the cover your load information online in case anyone is looking before they come to Brady.

CK – For sure, where we do want to give multiple options.

DO – Didn't notice as many gulls around Kenaston as in previous years. Not sure if it was because of construction. Was there any difference in the gull population in Brady this year?

CK – The amount seen was the same, but there was a shorter duration they were around.

DO – Didn't see as many gulls filling up the condo roofs as past years.

CK – Spring will be a telltale sign, as that is when we see most migratory birds, as opposed to the fall.

MC – Seems like we've had fewer problems with them this fall. We are trying to move them out of the residential areas, which seems to work. As soon as there are houses, they seem to move on. On the far south west corner of Prairie Point we've cultivated a 20-acre section as a spot for them to go, which seems to be working. Overall, our experience is that they seem to be lower this year.

CK – It could have also been due to the drought conditions experienced this year.

Site Improvements, Seasonal & Project Activity

CK – New service road/access to Brady at Ethan Boyer Way. Access is off the Perimeter highway off Waverley at a controlled intersection. Haven't had any complaints and generally well received. Have been lobbying for a few years for safe access to our site and has been a great improvement. Google maps has been updated.

CK – Cell 33 has been finished and operational at beginning of September. Have room for one more cell to the south of Cell 33. Will need to change the access road. Will have 2 years of capacity, about 800,000 metric tons of waste. Have about 7 years before the landfill will need to move to the west side of the current cell access road . Have the option to start far north, close to the boundary by lime mud berm; or by the leachate holding tank. Likely more favouring for us to start our work at the south and work our way to the north. Will work with the Brady CLC to see what makes most sense for everyone.

CK – Summer saw less curbside yard waste volumes, where fall returned to normal volumes. Typically get around 30,000 cubic-metres of materials, where received 20-25,000 cubic-metres of materials throughout the year.

Reducing the Impact on the Environment

CK – More LFG wells are online in new areas of the landfill. Have 75 wells that are attached to the flare. Started using horizontal collection lines in new cells to maximize efficiency. As build upwards and lift garbage up, will add horizontal collects to maximize landfill gas capture abilities. Each of the LFG gas wells has a pneumatic, air-powered pump to help de-water the site and maximize gas collection. All liquid goes to a centralized leachate collection system.

<p>ES – Are LFG pumps pneumatic all new? Or are there just more of them? CK – Those ones are all new since the last CLC meeting. Before we only had a few that were part of the leachate collection system.</p> <p>DO – Are there multiple horizontal collection lines in a cell? CK – That’s correct. There are tie in points, and they are close to the bottom, the middle and the top and can be put in as needed. Once the cell is at capacity can put in the vertical wells to maximize the gas capture capabilities. DO – If the collection grid is drawing in too much surface air, can you turn it off and only continue drawing from the middle and the bottom? CK – Yes, it has been built with the ability to turn on or off the lateral areas. Can completely isolate an area to close it off. The horizontal ones get through the fill stage. Vertical is where can get the most long-term benefit. DO – That’s debatable. CK – For sure, but what we’ve seen is they offer the most collection for us so far.</p> <p>DB – You said that there was an option to open up the leachate collection area for landfill? Is there then a plan to relocate the leachate holding tank area? CK – The option is to start operations near the leachate holding tank or to the north, not relocating the holding tank. They were just reference points.</p> <p>Research partnerships & resource development CK – Report has been finalized and sent to Council. Will be up to them which option to choose, or they could ask us to continue looking for a better option. Expect to present all options to the Brady CLC next meeting.</p>	
<p>4. New business</p>	
<p>CK – Residential Food Waste Pilot continues until September 2022 with a hard stop, where all bins will be taken away from residents. Will present options and a report to Council on an Organics Program for the City of Winnipeg.</p> <p>CK – There are about 4000 homes where we receive about 8 metric tonnes a week. First were incorporating into the leaf and yard waste windrow system. Now have a new gore cover system that is a semi-permeable cover that mimics in-vessel composting system. It blows oxygen through the compost pile, where there are pipes on bottom. It holds about 150 tons of organics. The process takes 4 weeks to go.</p> <p>CK – It helps with odour mitigation, vector issues like animals, and moisture retention. The previous windrow system didn’t break down composting bags that were provided, but they are breaking down with the new gore system.</p> <p>CK – Have this as a pilot, and will decide which method makes sense long-term for composting organics. Currently mixing 50% leaf and yard waste and 50% of organics coming from the pilot. The fans have a logic that monitors oxygen and temperatures, and can be adjusted to maintain certain oxygen levels. This is the first winter going with the system. The current batch has been there for three weeks, and even today with the cold temperatures have been able to maintain needed temperatures. It is yet to be determined how the system will work.</p>	<p>Info</p>

CK – Had a compost giveaway event in the fall at three locations that was well received. Gave away about 1000 cubic metres of compost away. Also use at other city departments and community gardens. Also sold about 10,000 cubic metres to local landscapers.

KK – Come September 2022, do you have identified options for what you're thinking based on the knowledge on what you have so far, on where you would see the city should go?

CK – Nothing yet. We are waiting to compile all the information and make an informed decision after that.

KK – Would it be something similar to what you have now? Or would it be some other facility?

CK – those would all be options we would have to look at. If it is a full organics program, will need a facility to manage that. Will be a few recommendations submitted to Council.

ML – What are the dimensions of the composting unit?

CK – Not really huge, it covers about 2 months of waste of current program. Maybe about 15 x 20 metres or so. There is a cone in the picture for reference. It is fully expandable where you can add to it. The fan we have can do up to 450 tonnes of waste.

ML – Basically helps to prevent odours.

CK – Maintains odours and moisture levels, where it doesn't allow moisture to evaporate.

ML – So just leave it covered for four weeks?

CK – We cover, and in 2 weeks we flip it. Cover it again for 1 week, flip it again, and then cover again for 1 more week. After that let it cure for maturity and stability, or we could screen the materials.

ACTION: CK to report back on the core composting dimensions.

All – Went through a round of introductions and status updates.

MC – Haven't had to do a lot this fall with the birds. Do have a group that puts up scarecrows, other decoys and bangers. Haven't had a lot of complaints this year.

DO – 1:00 pm meeting time is fine for people who are on salary. Also have volunteers, some of who are retired and don't have office commitments. Most concerned for volunteers who work and do not receive any compensation for their time on Brady issues. Mike noticed that several people were not in attendance. Part of the usefulness and spread of the Committee is being able to notice issues. It may not be an issue. Perhaps Blueprint can reach out to members who didn't attend to find out why.

ACTION – Blueprint will check on the timing of the meeting once the next session (in-person or Zoom) is confirmed.

MC – Able to make it any time.

CK – Perhaps with the next meeting could have a hybrid, where have an option to meet in-person as well on Zoom.

JF – What, if anything, has happened with the promotional video on the wonders of Brady? The idea was to share it with schools and community groups.

CK – Was notified still in production.

ACTION: CK to check in on video production timelines and when it will be available.



<p>June 9, 2021 Action Items</p> <p>ACTION: CK will follow-up with 311 to see what is happening with protocol, as original one is still in place. CK: Looked into it and did not seem to be an issue. May be related to a turnover rate. Problem seems to have been rectified.</p> <p>ACTION: CK to get a more fulsome update on what will be shared when re: Landfill gas beneficial use study. Response: Will come forward to next meeting.</p> <p>ACTION: CK to check on updates on Residential Food Waste Pilot GHG reduction projections. Response: Update was provided.</p> <p>ACTION: CK to see if the Supervisor of Waste Diversion, who spearheaded the program, can find out if instructions can be changed on the battery recycling program. CK: Call to Recycle is put on by the Province, so is a Provincial program.</p> <p>ACTION: CK to look into whether there is any information on creating a segregated space for private sector compost. RESPONSE: Won't have options until the Pilot is over and the full organics program is submitted to the Province.</p>	
<p>5. Review action items</p>	
<p>ACTION: CK to follow up with committee before next meeting to organize a tour.</p> <p>ACTION – CK to check on whether trees are black knot resistant.</p> <p>ACTION: CK to report back on the gore composting dimensions.</p> <p>ACTION – Blueprint to follow-up with members who didn't attend, and will check on the timing of the meeting.</p> <p>ACTION: CK to check in on video production timelines and when it will be available.</p>	<p>City</p>
<p>6. Review and adjourn</p>	
<p>Next meeting expected to be scheduled Spring 2022</p> <p>ES – Adjourned meeting.</p>	<p>Info</p>