



Waste Management of Canada Corporation
**Question & Answer Session
Summary Report**

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Project Number:

60263757

Date:

July, 2012

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1. Introduction

Waste Management of Canada Corporation (WM), owners and operators of the previous Richmond Landfill, which closed in June 2011, have initiated an Environmental Assessment (EA) seeking approval for a new landfill footprint at the Beechwood Road site. The new landfill footprint will be one component of the proposed Beechwood Road Environmental Centre (BREC). The proposed BREC will be an integrated waste management facility that will include:

- Material Recycling Facility;
- Residential Diversion Facility;
- Landfill-Gas-to-Energy Facility;
- New Landfill Footprint;
- Construction and Demolition Material Facility;
- Organics Processing Facility; and
- Electronic Waste Handling Facility.

Public and external agency consultation is a key component of EAs and as such, has been incorporated into this process. A Notice of Commencement for the EA of this project, inviting initial input, was issued on March 15, 2012, a first Public Open House for the EA was held on March 28, 2012, Workshop #1 took place on May 2, 2012, and a Question and Answer (Q&A) Session was held on June 27, 2012. This Report provides a summary of the Q&A Session.

1.1 Objective of the Q&A Session

The main objectives of the Q&A Session were as follows:

- To present to the public information on hydrogeology, landfill liners, landfill gas, and the BREC EA; and
- To provide an opportunity for stakeholders to ask questions.

Attendees were offered the opportunity to present their questions and comments regarding the information directly to project team members following presentations made by WM staff on the topics of hydrogeology, landfill liners, air, and the BREC EA.

1.2 Date, Time and Location of the Q&A Session

The Q&A took place on Wednesday, June 27, 2012 at the Napanee District Secondary School, 245 Belleville Road, Town of Greater Napanee. The Q&A Session commenced at 7:00 p.m. and ran until 8:30 p.m.

Notification of the Q&A Session was provided through newspaper publications during the weeks of June 14, 2012 and June 21, 2012, in the *Napanee Guide* and *Napanee Beaver*, E-blast on June 19, 2012 to all interested persons who are on WM's stakeholder distribution list; posting on the project website at <http://brec.wm.com>; and radio advertisements on 88.7 *myFM* from June 19, 2012 through June 27, 2012.

A notification letter/email was also sent to First Nation and Aboriginal representatives and affiliated agencies, as well as to the Government Review Team (GRT).

Q&A Session Notification Material can be found in **Appendix A**.

2. Project Team Members in Attendance

The following project team members were in attendance at the Q&A Session to present information, facilitate discussion, and to answer questions:

Table 2-1 Project Team Members in Attendance

Q&A Session	
WM	Consulting Team
<ul style="list-style-type: none"> • Tim Murphy • Randy Harris • Linda Cooper • Remi Godin • Reid Cleland • Chris Prucha • Bill McDonough 	<p>AECOM</p> <ul style="list-style-type: none"> • Blair Shoniker • Larry Fedec • Erika Brown <p>WESA</p> <ul style="list-style-type: none"> • David Harding <p>Independent Consultant Dr. Bernie Keuper</p>

3. Information Presented

The Q&A Session was meant to be interactive to encourage dialogue between the attendees and the Project Team. WM commenced the meetings with a brief introduction, followed by presentations on the following topics:

- Hydrogeology;
- Landfill Liners;
- Landfill Gas; and
- An overview of the BREC EA.

Q&A Session Presentation Material can be found in **Appendix B**.

4. Attendance

A total of 43 people attended the Q&A Session, including adjacent property owners, media representatives, one Mayor, and two Councillors. Details about the session are outlined below.

Attendees were encouraged to provide written comments on the comment sheets provided.

With the exception of those that requested to be left off, all individuals and/or agency representatives who registered and signed in at the Q&A Session with their contact information have been added to the project-specific contact database. This database will be used during the remaining phases of the study to contact/inform interested public and key stakeholders of study issues and events.

4.1 Q&A Session

The format of the Q&A Session allowed for productive dialogue between the attendees and the project team. Attendees asked questions related to the topics presented (hydrogeology, landfill liners, landfill gas, and the BREC EA) as well as the existing Richmond Landfill and the previous EA for the BREC. A record of the questions asked and answers provided is presented in **Section 5** of this report.

5. Summary of Comments Received

For the Q&A Session, verbal comments and their corresponding responses were recorded by two note-takers from AECOM and are provided in the following table.

Table 5-1 Question & Answer Log

Question	Answer
<p>First of all, thanks very much for the presentation. It was very clear and thank you for your candor. Two questions: we have talked about the feasibility of doing a health-based study. The numbers may not warrant one, but I wonder if WM would consider doing this in their assessment. Second, is there a contingency plan should leachate move off of the site? You would have to dig down if it were moving - can you elaborate slightly on this? This is one of the biggest concerns within the community.</p>	<p>The regulations that we have to follow (air, groundwater, surface water) are all health-based. They identify parameters that MOE determines if you exceed. Our initial cut will be to do associated studies for these disciplines. I can't say we won't do any health studies, but we will first see what sort of results these other studies come up with. One of the ways to tackle the population issue is to utilize information from other WM sites. One of the reasons to have these sorts of consultation sessions is to get these things out in the open.</p> <p>With regard to the second question, it is hard to answer because we don't know what the issue is. The existing landfill is a first generation landfill, unlined, and people assume that all this leachate from the existing site is draining into the groundwater and we just haven't seen this. So we can't tell you how to solve a problem we haven't seen yet. In terms of the GII liner, it has been a requirement in the states for a long time and studies show no impacts where it has been used in other landfills elsewhere.</p> <p>Part of dialogue with the MOE will be to come up with various contingency plans. Different solutions will be devised as the situation arises, unique to the potential issue.</p>

Question	Answer
<p>I learned a lot from the presentations and thank you very much. Regarding the Richmond Landfill, in your presentation you mentioned landfill gas wells. If these wells fill with leachate, would this not become a head and then push leachate down into groundwater as it is an unlined landfill?</p>	<p>The Richmond Landfill is unlined. When we put in a gas well and water makes its way into the well, the liquid is being driven there by the vacuum from the gas collection system. As far as an idea of how much is coming out from the bottom, we don't have that information. Half to two-thirds of the Richmond Landfill is unlined, the rest has either clay or plastic liner. The rate at which liquid is going to come out of the bottom depends on how wet the garbage was when it went in, how much precipitation falls on the landfill, and the ability of the garbage to hold water. Like a sponge, you can keep adding liquid to a landfill without it dripping out up to the point where it becomes full.</p> <p>When the gas wells are drilled the holes are dry. Over time as gas is pumped, liquid from the landfill is drawn into it. It is humid - liquid and gas are both saturated. As gas rises up it hits the cooler part of wellhead and you get condensation. The liquid is a combination of leachate, moisture and condensation, so you get wet wells over time.</p>
<p>Thank you. The presentations were very informative. You mentioned that the experience with this liner system has been good. How good has experience actually been? Can you please explain about liner system experience?</p>	<p>The GII liner has only been in existence for about 20 years, but in that time there has not been any evidence that leachate has come out the bottom. In older landfills without this type of liner, which use natural attenuation, you could see impacts from leachate at the bottom of the landfill within a few years. The life of these liner systems is estimated at least 300 years.</p>
<p>What is in the leachate that is created?</p>	<p>Leachate is comprised of whatever is thrown away as garbage and put into the landfill. Typically the leachate is comprised of 99% water and 1% everything else. Leachate can typically be handled by most municipal sewage treatment plants. Sometimes we need pre-treatment so the Municipal plant can handle the leachate, but in most cases it can be taken directly by Municipal wastewater treatment plants.</p>
<p>Wilf Ruland, Hydrogeologist during previous EA said that having no leachate wells in a landfill of this size is uncharacteristic. He said that in this area you can't tell where the leachate is going. Would a well help to understand?</p>	<p>I spoke with Wilf Ruland briefly about that and from my experience it is not uncommon to not have a leachate well in a landfill this size. The leachate collection system we have flows by gravity to the north and south chambers. We take samples from the leachate at these chambers and analyse it chemically so we know what we are dealing with.</p>

Question	Answer
<p>Last time around you said that the hydrogeology had little to do with fractures in the bedrock, which led to the denial of the EA by the MOE in 2006. I remember in the first meeting you saying that the bedrock was as tight as pavement. Now in 2012 you are saying the complete opposite: that there is a substantial fracture system and everything is so well connected that if you pump at one well, you can see the effect of that pumping at another well 400 metres away. Why should we have confidence in your science this time around when the Ministry of the Environment did not have confidence in 2006?</p> <p>After 10 years of trying to figure it out the first time around, you really put this community through a lot. Citizens quit their jobs to try and devote time to this and citizens have spent tens of thousands of dollars trying to oppose this project. This has hurt a lot of people and the fact that we have to do this again, for a lot of us, is a shame.</p>	<p>We always base our conceptual hydrogeology models on the best available information we have at the time. At this time we are able to look at the interconnectivity of the fracture system. We have learned a great deal over the past 6 years. We know there is a well-connected fracture system. In 2006 we did not have this same understanding of the deeper (intermediate) bedrock.</p>
<p>I found the response to the question about contingency plans quite unsatisfying. Perhaps if we phrase it somewhat differently and suggest that, as an example, in excess of 20 years from now the liner system somehow degrades due to the chemicals present in the leachate and that the leachate is escaping through the double liner. What would you do then?</p>	<p>In a situation such as you have described, we would see some leachate constituents in the monitoring wells around the landfill. First we would resample these monitoring wells to confirm the presence of leachate constituents. Then we would undertake an assessment to determine the extent of the contamination (or plume), where it came from, and how (e.g., a tear in liner). What we would need to find out is the extent of the plume and what is it comprised of. Then we look at how to control it. The point of compliance in Ontario is the property boundary - if you have contamination within your property and you contain it, then you don't have a problem. Understandably, this doesn't give you a warm fuzzy feeling. As we saw on north boundary, that didn't extend too far, same on south side. If we have a larger problem, then we need to look into putting in purge wells and pumping contaminated water out. The particular response to the leaking of leachate from the liner system would be very specific to the extent, cause and composition of the leak, and would also depend on whether it is leaking into an upper zone, or if it has gone into the lower zone.</p>

Question	Answer
<p>To follow on to that, you're talking about how when you detect a problem you respond immediately. In his assessment of the first EA Wilf Ruland found 14 contaminated wells and WM's response was to decommission 10 of them. If that's how you handle it from a contingency standpoint, then that doesn't give us confidence. You looked at tritium as an indicator in 2000 for one year, but then stopped looking at it, although it was found to be a good indicator of leachate. A dozen years later MOE wants you to look at it. Wilf made 17 recommendations and for 10 years CCTE did not hear one word from WM. We are engaged in an ERT because of this non-response. You keep saying you want us to get involved, but after everything we've done we haven't had a response. We don't know how you expect us to trust you. We are doing everything we can to raise money to hire experts to check your work to validate our concerns. When we ask WM to pay for funding to fund these experts, you say no.</p>	<p>I can talk to the wells that Wilf Ruland identified. He identified 14 wells, 4 are part of monitoring that we are undertaking now. We talked about the interconnected active flow zone. Below that is saline groundwater, which is not part of active flow zone. We can determine which wells are part of the active flow zone. Several of the wells identified by Wilf are not in this active flow zone. Some have not been monitored since the 1990's. Other wells are part of the active flow zone and we are using wells adjacent to them to monitor that horizon. We do not need to sample all wells. We monitor a subset of wells (there are over 200 monitoring wells in total) that cover both higher and lower flow. Would you like us to go through all the wells?</p>
<p>You find evidence of contamination in 10 wells, so instead of ramping up your monitoring, you decommission? If there is a change in flow, that's a more serious issue.</p>	<p>I'm not saying the flow is changing. These particular wells are not in the active flow zone. They are dry. They do not provide us with information about the active flow zone.</p>
<p>They weren't dry before, why aren't they wet now?</p>	<p>There are a few centimetres of water, but they are not in the active flow zone.</p>
<p>You don't want to find leachate. Contingency is not something that you want to have. It does not make sense that you are going to use that liner and if in 20 years something happens, like an earthquake, and the liner fails, there is no contingency. Use mother nature to improve the design. Why would you not build over 100 feet of soil or a thick layer of clay instead? Build a dump where mother nature will take care of it. In the end, this will be our problem, not yours.</p>	<p>There are certainly a number of advantages of building on clay soil. One of the disadvantages of building a landfill on clay soil is the difficulty to monitor in clay soil. Groundwater flow through clay is equally as complex as groundwater flow through fractured bedrock. The advantage we have with fractured bedrock is that through our tests we can delineate where the interconnections are. That's very difficult to do with clay.</p> <p>Fractured rock is not a big mystery. We tunnel through fractured bedrock all the time. Quarries have experience with fractured rock. We store natural gas in fractured rock. We need to dispel the myth that we don't know things about fractured rock.</p>

Question	Answer
<p>The Environmental Commissioner said in 2009 that this was the worst site in Ontario to build a landfill. If it isn't such a mystery why don't you have more knowledge of the site?</p>	<p>The Environmental Commissioner, Gord Miller, has since come to the site, on two occasions. He said that there were 2,500 unlined landfills in Ontario and that it is essential that those be closed as quickly as possible, to reduce local landfills and move to regional landfills utilizing this type of landfill liner. What we are trying to do is to make sure the proposed landfill meets, and possibly exceeds, the requirements and to essentially address Gord Miller's comment from 2009. If you were at the ERT on Monday you would have heard from the four different lawyers that there is an ongoing dialogue between MOE, WM and Wilf Ruland following his 17 recommendations. We are in the process of working with Wilf Ruland to make sure his comments are based on more recent information. The EA process works. The first time around we had not done nearly as much work as we have done now. Because the first EA was refused, this has caused us to investigate hydrogeology further and work out a very different groundwater scenario than we knew then. The process is working.</p>
<p>If the process was working, then that would have been the end of it in 2006. You would have closed the dump and that would have been the end of it.</p>	<p>What the Minister of the Environment said in 2006 is that we didn't understand the hydrogeology.</p>
<p>You are the biggest waste management company in world, it took you 10 years to figure it out?</p>	<p>We didn't do nearly the level of investigation back then that we have done now. We're not saying the site isn't complex. The Minister of the Environment said at the time that you have homework to do and we have done just that.</p>
<p>How many times do we need to go through this process? Is there no apology coming from WM for what you have put us through?</p>	<p>There were comments related to it being too big, too much air space, can't control odour, that you can't put in a lined system. We have made a number of changes from the old proposal. I understand that there are people who think this landfill can't be built here. What we want to do is present our case and our evidence and let the MOE make the decision.</p>
<p>Do you acknowledge that work done by citizen's consultants should be included in the study?</p>	<p>All information has to be considered in the EA. You may not like our answers, but we can't ignore comments.</p>
<p>How do you propose that citizens reorganize with the same vigour as last time without funding?</p>	<p>There are several other tools that we did not have last time around. We have the CLC, required by the CofA, and we have the website. The CLC consists of representatives from Napanee and neighbouring towns, although we do not at present have a representative from Tyendinaga Township or the MBQ. We hope that overtures to them will come to be. This is one way the community can be involved, including monitoring and things in front of ERT. There is also a project advisory committee, comprised of the same individuals, that is letting us know how to engage. Tonight's session came about by observing what the citizen's groups are doing themselves. They don't want letters or emails, but prefer to engage in person in sessions like these to try to figure out how to work. I don't have specific suggestions, but those are some ideas.</p>

Question	Answer
<p>I just moved into this area. I missed most of the presentation as I got here late from Toronto. I was listening to the fact you were talking about 400,000 tonnes of garbage. I tried to understand what that looks like. First thing I came up with 16 billion pounds of garbage that you're going to bring into this area over the total life of the landfill. How many tractor-trailers of garbage are you going to be bringing here? 35,000 pounds - 22,850 tractor trailers on the 401 every day to your site? I guess what I want to know is where is this garbage coming from? This can't come just from Kingston and other local municipalities. Is this going to be same thing we saw, trucks going to Michigan, is that what we're expecting to see?</p>	<p>The actual waste from Napanee - lets include Tyendinaga, Deseronto, and the Mohawks...</p>
<p>No, don't include.</p>	<p>Ok, fair enough. Waste from Napanee will account for 1% of the amount of waste received at the proposed landfill. Where does the other 99% come from? In the ToR we looked at the justification for a landfill of this size. We looked at the amount of waste after diversion that would be generated from Durham eastward in Ontario in the next 20 years, population growth, increasing diversion rates, etc. We are looking for a portion of that.</p>
<p>Would this be waste coming from Toronto?</p>	<p>There would not be any residential waste from Toronto coming to the proposed landfill. It is theoretically possible that some IC&I waste would, however, come from Toronto, but they have other, closer, more financially viable options. Which gets to your point on Michigan. Resolution on municipal waste stopping from going to Michigan. That ceased, that waste is going to other landfills, including the landfill that Reid talked about. There are still millions of tons of waste being trucked to Michigan and New York because there are not enough landfills locally. I'm not saying waste is coming just from Napanee. I'm not saying that there wouldn't still be waste going to New York if we are successful in having this EA approved, but each community needs to make the decision whether to keep open their existing unlined landfills that the Environmental Commissioner has said need to be closed or to send their garbage to a new, lined landfill.</p>
<p>We talk about 22,000 tractor trailers, 5 million litres of fuel just to bring them here.</p>	<p>One of the things we have to do in this EA is look at things like transportation, volume of traffic, and the impact on the road network. One of things we did in the ToR was looked at CO₂ emissions from trucks going across the border.</p>
<p>Are you saying that because a problem already exists, it's ok to do it here?</p>	<p>No, we are saying we have to look at all environmental impacts and whether those impacts can be mitigated.</p>
<p>You are not even considering that you are going to build a landfill that will triple in height every 3 years?</p>	<p>The landfill capacity we are seeking approval for is 13 mil m³. If we are successful, we cannot go past this amount. The very issues you have raised tonight are the reason we have these meetings.</p>
<p>So you have done an EA on transportation? I think things are being missed.</p>	<p>No, not yet.</p>

Question	Answer
There is a lot of environmental impact that is caused by transportation.	One of things we are doing is reviewing work plans, which are documents that will tell us how we'll go about conducting those studies. One is atmospheric. We will be looking at comments about emissions, traffic, etc.
I have recently moved and now have a view of the dump. As a person directly impacted by this project, my opinion should matter. Since moving I have participated in these sessions, the first of which was the citizen's meeting with three times this many people. You are all obviously very well educated, but you are a corporation. My question is the fight that these people have put on for last 10 years – it doesn't matter how many changes you make, more studies (by the way, they were great pictures), numbers, etc. If you see 10 wells that show impacts, I would want to keep testing until you see a change in those wells, but that's up to you, you're the scientists. What I want to know is: when will it be enough for you to hear that the community doesn't want this? I know it won't make you any money, but it looks like you have your hands full anyway.	All I can really say to that is I will speak for me personally. I wouldn't be standing here in front of you if I didn't think we could do this properly to protect the environment, to protect everyone in this community. I wouldn't put it here if I wouldn't live next to it myself, which I would. I come to this community once a week, go to restaurants and see the people, whether they don't like the project or not, on the street. I have brought my family here and I expect the same thing for you as I would for my own family. They don't intend to make a facility that would make this community worse off and if we don't do a good job, then the EA won't be approved.
The road to hell is paved with good intentions. What more are you going to know in 10 years? If you were coming to us now with an empty field, maybe we would have a different opinion, but you have an impacted environment already. You don't know what's going to happen - water goes one way and goes into rock and then you just don't know in 20 years when we have a massive mound, you pack up and leave or you put this community through this again. There are way too many variables. Contingency plans – you don't know what your contingency plans will be because you don't know what's going to happen. That's a red flag. We don't know the future.	Setting up contingency plans at this point would be analogous to prescribing a drug for a patient when we don't yet know what the problem is.
The new site will be much larger and have more leachate. What are you going to do to protect us from the impacts of the leachate if there is a leak at the new landfill?	I would like to make clear that the landfill we are seeking approval for is a new site. This will be a lined site in the vicinity of the old site.
It's the same hydrogeology at both sites.	Yes it is, but this would be a lined site, the existing is an unlined site.
This gets back to my first questions then – will you keep going until it is approved?	No, we will do the EA as is required and let it run its course.

Question	Answer
<p>First of all, most people in this town don't really care where their garbage goes. That's why the gym isn't full. Nobody is here because they don't care. My second comment is that at the last citizen's meeting people were there from both sides and all were given the chance to be heard and treated in a respectful manner. I think it's disrespectful the way you've handled this tonight.</p>	<p>I would like to conclude by saying on behalf of the company that every concern is legitimate, that every opinion matters and every concern has to be addressed. There will always be people who don't agree with this project in principle. We have to look at their concerns and consider them. Hopefully the science in the end is sufficient to demonstrate that we can do this properly, and that's what the process is all about. The last time around our EA was not approved. We didn't have the science and didn't meet burden of proof and we had to come back to do this again. I appreciate you all coming out. Hopefully we will see you at other events. These notes and presentations will be on the website. Ultimately, there needs to be transparency. I encourage you to take a look and make sure your comments were recorded openly and honestly.</p>

As of July 13, 2012, one comment sheet has been received. This comment is recorded in the table below.

A copy of the Q&A Session Comment Sheet can be found in **Appendix C**.

Table 5-2 Comment Sheet Responses

Comment Sheet Responses
<ul style="list-style-type: none"> • The meeting was held very professional. I learned a lot about what was going on at the landfill. A lot of what you talked about made a lot of common sense. Everyone spoke very clearly and gave excellent information. The presentation was done very well and clear to people that don't have the knowledge. • When the question period came I take my hat off (so to speak) to everyone at the table. None hesitated to give answers to the questions and others didn't mind to add more to it. • It was remarkable to see how all of you kept your cool and acted professional when the Concerned Citizens were acting rudely and out of hand towards you. Some of us that were sitting beside (including myself) where getting ugly and disgusted with them. And yes, I was at their meeting too, they didn't handle it nearly as well as you did last night. I've been to other meetings that you had and found that you are honest and well informed and gave answers without hesitation. • Keep up the good work and I hope this goes through.

Appendix A

Notification Material



*Beechwood Road Environmental Centre
Richmond Landfill*

*Do you have questions about the Richmond Landfill or the
proposed Beechwood Road Environmental Centre (BREC)?*

Public Question & Answer Session

Where: Napanee District High School

When: Wednesday, June 27, 2012

Time: 7:00 pm to 8:30 pm

Waste Management welcomes the community to this session to hear presentations on groundwater, surface water, air, modern landfill design, and our proposed BREC project. A facilitated question and answer session will follow the presentations.

We want to hear from you and have the chance to respond directly to your interests and issues.

Thank you!

Appendix B

Presentation Material



Public Question & Answer Session

Closed Richmond Landfill and
Beechwood Road Environmental Centre (BREC)

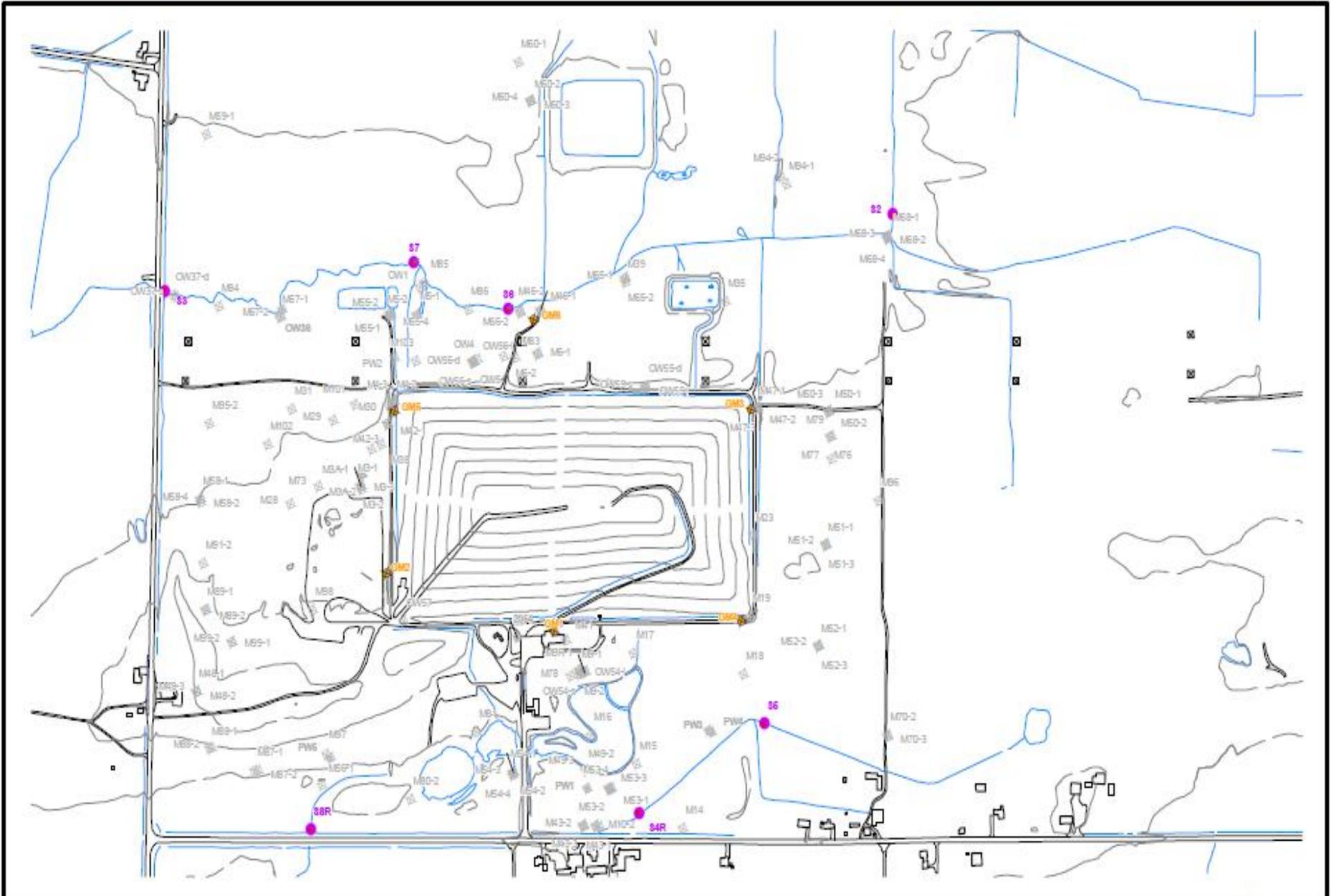
Waste Management of Canada Corporation
June 27, 2012



Surface Water

- Surface water is precipitation run-off from across the site
- 3 storm water ponds: 2 north and 1 south of current landfill
- Water from the 2 north ponds discharges to Marysville Creek
- Water from the south pond discharges to Beechwood Ditch
- Current approval allows ponds to operate in open position, but outlets can be closed if monitoring indicates an impact
- Water in ponds is sampled monthly in Spring and Fall, and surface water is monitored at 7 other locations on the site
- We conduct semi-annual surveys and reports results to MOE





**WASTE MANAGEMENT
RICHMOND LANDFILL EMP**

- MW1- Active Monitoring Wells
- PW1- Open Borehole
- Surface Water Monitoring Locations (7)
- Gas Monitor (8)
- Contour Lines
- Surface Water
- Hydro Tower
- Surface Water Monitoring Location

Figure 5:
Surface Water and Landfill Gas Migration Sampling Locations

Project: K-89657-12-00
Data Source: WM Canada, WESA,
IPA Ltd. Base Mapping
Date: June 2012

Prepared by:
WESA Geomatics
Unit:
UTM NAD 83 Zone 18
Scale: 1:5000







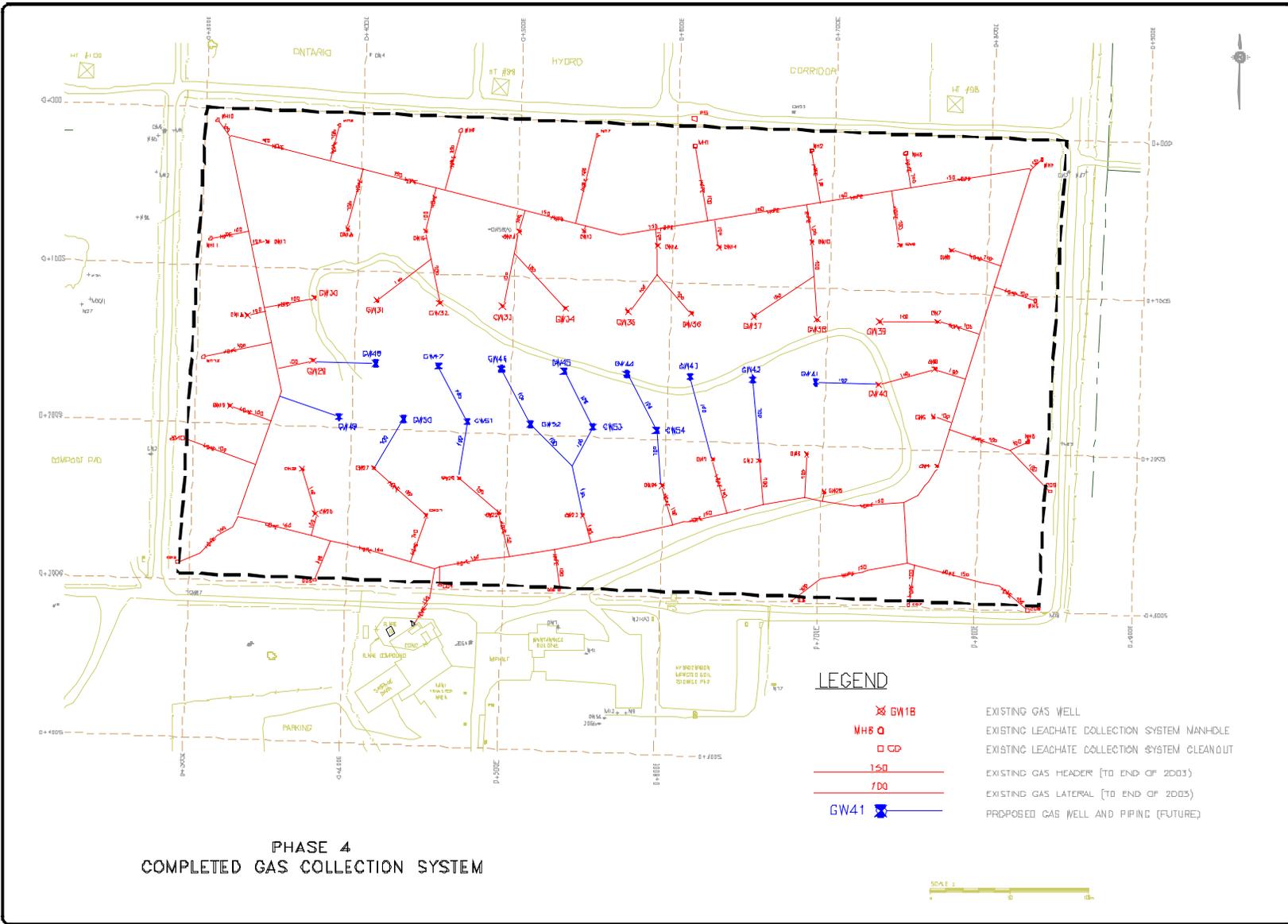




Landfill Gas and Air

- Landfill gas is generated when solid waste decomposes
- WM installed initial gas collection system in Spring 2000
- Provincial Officer's Order issued in 2003 regarding odour
- System has been expanded since then to improve collection
- Current system has 54 wells, 9 manholes, and 12 cleanouts
- In Spring 2009, MOE Trace Atmospheric Gas Analyzer (TAGA) unit showed no garbage odours, no exceedence of applicable air regulations, and typical ambient air quality in rural Ontario
- We conduct 3 surveys per year and reports results to MOE





**PHASE 4
COMPLETED GAS COLLECTION SYSTEM**

LEGEND

- GW18 EXISTING GAS WELL
- MH8 Q EXISTING LEACHATE COLLECTION SYSTEM MAN-HOLE
- CO EXISTING LEACHATE COLLECTION SYSTEM CLEANOUT
- 1.50 EXISTING GAS HEADER (TO END OF 2003)
- 1.00 EXISTING GAS LATERAL (TO END OF 2003)
- GW41 PROPOSED GAS WELL AND PIPING (FUTURE)

RESOURCES DESIGN SERVICES INC.
 1000 SHEPPARD AVENUE EAST, SUITE 100
 SCARBOROUGH, ONTARIO M1S 1T7
 TEL: (416) 291-1111
 WWW.RESOURCESDESIGN.COM

CANADIAN WASTE SERVICES, INC.
 A WASTE MANAGEMENT COMPANY

PHASE 4
 COMPLETED GAS COLLECTION SYSTEM
RICHMOND LANDFILL
 WAPANEÉ, ONTARIO

DATE: MARCH 2022
 DRAWN BY: J.E.K.
 CHECKED BY: J.E.K.
CANADIAN WASTE SERVICES, INC.
 PROJECT NO. 55706-GAS-PP4

0 MET
 GAS-PP4









Beechwood Road Environmental Centre

- BREC is an integrated facility that will include:
 - New Engineered Landfill;
 - Material Recycling Facility;
 - Construction and Demolition Facility;
 - Residential Diversion Facility;
 - Organics Processing Facility;
 - Landfill Gas to Energy Facility;
 - Electronic Waste Handling Facility; and
 - Community Uses.



BREC Community Benefits

- Create up to 75 “green” jobs at facility
- Generate approximately 6 MWs of electricity
- Community lands for recreation and parks
- Expanded lands for wildlife habitats
- Greenhouses and related facilities





This is an artist rendering of the proposed BREC facility that may change during the consultation process for the Environmental Assessment (EA).



Environmental Assessment (EA)

- Terms of Reference (TOR) approved in February 2012
- Focused on new landfill footprint of 13.0 M cu. m.
- Cumulative effects of landfill and all other facilities
- Public consultation program in five (5) main stages
- Open houses, workshops, Q&A session and website
- <http://brec.wm.com> and phone # 613-388-1057



Questions?



Appendix C

Q&A Session Comment Sheet

