

# Appendix E

## Workshop #2 Summary Report





Waste Management of Canada Corporation

## **Public Workshop Session #2 Summary Report**

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**Project Number:**

60191228

**Date:**

May 13, 2011

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# 1. Introduction

Waste Management of Canada Corporation (WM), owners and operators of the existing Ottawa Waste Management Facility (Ottawa WMF) have initiated an Environmental Assessment (EA) seeking approval for a new landfill footprint at the existing Ottawa WMF. The new landfill footprint will be one component of the proposed West Carleton Environmental Centre (WCEC). The proposed WCEC will be an integrated waste management facility that will include:

- A new landfill footprint for disposal of residual waste materials;
- Waste diversion and recycling operations;
- Composting operations;
- Renewable energy facilities; and
- Recreational lands for community uses.

Public and external agency consultation is a key component of EA's 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 January 5, 2011, a first round of Public Open Houses for the EA were held from January 18-January 20, 2011, and Workshop #1 took place on February 24, 2011, with an additional roundtable discussion held on March 2, 2011 to accommodate those unable to attend the Workshop. Following the first Workshop, a second round of Open Houses was held from March 28-31 and on April 7, 2011. Workshop #2 took place on April 28, 2011, with an additional session held on May 5, 2011 to accommodate those unable to attend the Workshop on April 28, 2011. This Report provides a summary of Workshop #2, including the additional session held on May 5, 2011.

## 1.1 Objective of the Workshop

The main objective of Workshop #2 was to discuss the comparative evaluation methodology and provide input on the relative importance of evaluation criteria.

Attendees were offered the opportunity to present their questions and comments regarding the information directly to staff from WM and AECOM, as well as discuss them with other attendees. This allowed workshop attendees to provide input on the following two topics:

1. The Evaluation Criteria, Indicators and Data Sources to be applied in the Comparative Evaluation (i.e. what information will be used to assess and compare the four alternative landfill footprint options to one another); and,
2. The Comparative Evaluation Methodology (i.e., how the four alternative landfill footprint options will be assessed and compared to one another).

At both the Workshop and additional session each attendee was given a Workshop Workbook which provided information on these topics and space for recording responses and comments, as well as handouts with Evaluation Criteria Rankings given at the first Workshop, and asked to add in their own rankings. At the May 5, 2011 session two additional handouts were distributed: the first consisted of a series of tables summarizing the comments and evaluation criteria rankings resulting from the April 28, 2011 session; and second was a table summarizing all additional criteria suggested by the public to-date and the rationale for including or not including them in the evaluation. All of these materials can be found in **Appendix A**.

## 1.2 Date, Time and Location of the Workshop

The Workshop took place on Thursday, April 28, 2011 at the Kanata Recreation Complex (Upper Hall A), 100 Walter Baker Place, Kanata. The additional session was held on Thursday, May 5, 2011 at the WM offices at 254 Westbrook Road, Ottawa. Both sessions commenced at 7:00 p.m. and were scheduled to run until 9:15 p.m., however, the Workshop session in Kanata ran until 9:45 p.m., and the session in Carp ended at 10 p.m.

Those wishing to attend the Workshop were asked to pre-register. The pre-registration sign-up forms were available at each of the Open House #2 events undertaken in March. Further, invitation emails were distributed to all contacts in the project database, and a reminder was provided on the project website as well. Those individuals that pre-registered for the Workshop, but indicated they could not attend on April 28, 2011 were sent invitation emails for a follow-up session on May 5, 2011. Workshop Notification Material can be found in **Appendix B**.

## 2. Project Team Members in Attendance

The following project team members were in attendance at the Workshop and additional session to facilitate discussion and to answer questions:

**Table 2-1 Project Team Members in Attendance**

WORKSHOP #2	
WM	Consulting Team
<ul style="list-style-type: none"> <li>Tim Murphy</li> <li>Cathy Smithe</li> <li>Ross Wallace</li> <li>Remi Godin</li> <li>Wayne French</li> </ul>	<b>AECOM</b> <ul style="list-style-type: none"> <li>Larry Fedec</li> <li>Blair Shoniker</li> <li>Catherine Parker</li> </ul> <b>Sheffe Consulting</b> <ul style="list-style-type: none"> <li>Nora Sheffe</li> </ul>
ADDITIONAL SESSION	
WM	Consulting Team
<ul style="list-style-type: none"> <li>Tim Murphy</li> <li>Cathy Smithe</li> </ul>	<b>AECOM</b> <ul style="list-style-type: none"> <li>Blair Shoniker</li> </ul>

## 3. Information Presented

Information presented at the Workshop was in the form of a brief introductory presentation, workbooks distributed to all attendees, and through display boards arranged around each table. As mentioned above, the workbooks were broken down into two topics:

1. Evaluation criteria, indicators and data sources for comparing the alternative methods; and,
2. Comparative evaluation methodology

Materials/display panels included:

1. A blank Evaluation Criteria Rankings Table for use during the session;
2. Post-it notes with each of the criteria written on them for the purposes of illustrating their ranking or relative importance as per previous community input;
3. An example of the Net Effects Table being used to evaluate the landfill footprints; and
4. An example of the Comparative Evaluation Table.

Copies of the display panels are included in **Appendix C**.

The Workshop was meant to be interactive to encourage dialogue between the attendees and the Project Team. WM commenced the meetings with a brief introductory presentation providing an update on the project. This resulted in some back and forth dialogue with WM and the public. Although this Workshop was not envisioned to be a Question and Answer session, WM provided answers to questions where possible, while others were recorded to be addressed at a later date.

Following the introductory presentation at the April 28, 2011 Workshop, a number of attendees departed the meeting feeling that their time would be better served at the additional session, once WM was able to provide the public with a more fulsome discussion on the rationale for why certain suggested criteria from the public were not included. For the individuals who remained, the Workshop began by having the facilitator at each table walk through the purpose of developing and utilizing criteria for evaluating each of the alternative landfill footprints. Each of the criteria were written on post-it notes of varying colours to denote the preliminary 'relative importance' assigned to them based on prior feedback from the public. Each of the criteria was placed in one of the following three categories: 1) Very Important, 2) Important, 3) Less Important. Attendees were asked to comment on the placement of the criteria within the three categories. Both tables converged at the end of their respective individual sessions to discuss and compare results (shown in **Table 5-3** and **Table 5-4**).

The second portion of the April 28, 2011 Workshop provided an explanation of the evaluation methodology proposed for the EA. Both groups were combined for this portion and the Project Team walked through how the 'trade-off' approach would apply. Questions followed from attendees to the Project Team, which were answered, where possible.

The additional session on May 5, 2011 attempted to follow the same structure as the April 28, 2011 Workshop, however it did not un-fold this way. Following the introductory presentation, the remainder of the evening continued as a Question and Answer session. Attendees did not go through the workbook or carry out the criteria ranking exercise as numerous questions were raised. WM felt it was appropriate to answer as many questions as possible, rather than cut-off the discussion. For attendees that wished to complete the criteria ranking exercise, WM encouraged them to complete the workbook and submit it to WM for consideration in the EA process. WM also suggested that attendees provide any additional comments regarding the evaluation methodology to WM for consideration in the EA process.

## 4. Attendance

Over the course of the Workshop and additional session, there were a total of approximately 35 attendees. Details about the sessions are outlined below.

Attendees were encouraged to provide written comments in the Workshop Workbook 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 Workshop and additional 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 Workshop #2**

Approximately 28 individuals attended the Workshop on April 28, 2011. As noted previously, following the initial WM presentation and a series of questions and answers, 14 attendees decided to leave the workshop and attend a follow-up session. The remaining 14 attendee stayed for the duration of the workshop. Those in attendance were largely local residents and landowners. One local Councillor also attended the Workshop. There was a range of views and perspectives on the proposed undertaking. Overall, there was extensive dialogue between the attendees. No completed Workshop Workbooks were provided at the Workshop. A summary of comments received is presented in **Section 5** of this report.

#### **4.2 Additional Session**

Those individuals that pre-registered for the Workshop, but indicated they could not attend on April 28, 2011 were sent invitation emails for a follow-up session on May 5, 2011. A total of 17 people attended the additional session on May 5, 2011, with 10 of those having attended the Workshop held the previous week. Those in attendance were local residents and landowners. Comments at this session were primarily opposed to the undertaking. Attendees asked questions on the need for the project, baseline condition studies, evaluation criteria, how public input is being incorporated in the study, notification for public consultation events, future consultation sessions, and footprint locations. Overall, there was extensive dialogue between the attendees. Attendees also questioned the value of the workshop format as the agenda for the night was not completed. No completed Workshop Workbooks were provided at the session. A summary of comments received is presented in **Section 5** of this report.

### **5. Summary of Comments Received**

For Workshop #2, comments were gathered as follows:

- A note taker at each table to record their group's comments and questions;
- The submission of completed Workbooks by attendees; and
- The rankings provided by each table for the Evaluation Criteria as recorded on a display board for each group.

For the additional session, comments were gathered as follows:

- A note taker to record the group's comments and questions; and
- The submission of completed Workbooks by attendees.

Verbal comments and questions recorded during the Workshop and additional session are provided in the following tables.



**Table 5-1 Comments from Workshop**

Introductory Presentation
<ul style="list-style-type: none"> <li>• Why are we here helping WM to pick a preferred landfill footprint when we do not agree with a landfill?</li> <li>• Why is there no consideration of the “do nothing” alternative?</li> <li>• Other criteria were proposed during the previous workshop. Why were they not added? What were those criteria that were not included?</li> <li>• Vermin (including crows) was one of these criteria. Why was it not included?</li> <li>• A list of the proposed and excluded criteria should be provided to the workshop participants.</li> <li>• Is WM listening to what people are saying? It seems WM is very selective in what they choose to respond to.</li> <li>• You’re not taking the suggestions seriously. There is a whole level of input you’re not taking here.</li> <li>• Some people are not here to voice their concerns and represent their views.</li> <li>• The Workshop should be cancelled since all of the proposed criteria are not being presented.</li> <li>• The venue for the workshop is inappropriate because of the noise from the fans. WM needs to find a better location. This was a problem at Workshop #1 also. Please find a new venue or provide a PA system.</li> <li>• WM has censored previous comments received from the community. You whittle down slowly and it is not in good faith.</li> <li>• Why have some criteria not been excluded such as Aboriginal?</li> <li>• Where would “vermin” fall under the criteria proposed? Not enough granularity if it is being included under Site Design and Operations. The level of detail is lost at this level. What about crows as a vermin impact?</li> <li>• How is the information used (e.g. 16 people ranked Air Quality as Most Important out of how many people)? What does this really mean?</li> <li>• What is the importance of completing these rankings? I don’t feel that I am an expert to adequately comment on all of these rankings.</li> <li>• Concerned with how this information will be used. Are the suggestions made here 16 out of 100,000? 16 out of 16? How do you treat this information?</li> <li>• If the community has a concern, it should be included in the criteria table.</li> <li>• Why haven’t you taken away any of the criteria, such as Aboriginal – it does not apply.</li> <li>• For the meeting being held next Thursday, present other Criteria and then go on to the rankings.</li> <li>• We feel we are being rushed through this process. You say, “we hear you” but there is not enough time.</li> <li>• Will you have all the data on May 5<sup>th</sup>?</li> <li>• What about a 3<sup>rd</sup> workshop for those people who cannot attend next Thursday?</li> <li>• The weight on what people say who live closer to the landfill should be viewed as more important than by the total number of suggestions.</li> <li>• Was there two workshops planned for Workshop #1?</li> <li>• Next Thursday, will you repeat the same agenda from tonight with the revised data?</li> </ul>
Topic 1: Evaluation Criteria, Indicators and Data Sources
<ul style="list-style-type: none"> <li>• How is groundwater pollution from the existing landfill site going to be distinguished from the new landfill footprint groundwater pollution?</li> <li>• Why are Effects on Property Tax not included in the criteria already?</li> <li>• What waste types are going to be accepted at the site? This is important to understand the potential for pollution of groundwater.</li> <li>• Need to add more information and detail to the criteria and indicator descriptions for granularity.</li> <li>• If the magnitude of truck traffic was known, then criteria ranking would be affected. Difficult to rank the importance otherwise.</li> <li>• What will be done with respect to Cumulative Effects?</li> <li>• Health of residents should be included under the criteria, “Number of residents”.</li> <li>• Post Closure uses should be included in the criteria discussion.</li> <li>• Property value protection is important and should be included.</li> <li>• Vermin control should be included.</li> <li>• The indicators seem very poor and do not provide enough detail.</li> </ul>
Topic 2: Comparative Evaluation Methodology
<ul style="list-style-type: none"> <li>• Is mitigation Best Available Practice only? Can more not be done beyond this?</li> <li>• Can MOE reduce mitigation commitments made by WM in the EA if they go beyond the standard requirements?</li> <li>• Is the 6.5 million m3 justified and will it be addressed in the EA? Will all the footprints be the same volume? Can it be discussed publicly?</li> <li>• In light of new technology can the business case be revisited?</li> </ul>

**Table 5-2 Comments from Additional Session**

General Comments
<ul style="list-style-type: none"> <li>• Is it only the landfill that requires EA approval?</li> <li>• We should only be discussing the landfill.</li> <li>• No detail on other WCEC components provided. How can you do cumulative effects?</li> <li>• Why not go through an EA with all components?</li> <li>• Why is the service area all of Ontario?</li> <li>• The settlement agreement does not apply to the existing facility.</li> <li>• Do we take WM's word that the economics support the need?</li> <li>• The need for the project was not approved in the ToR.</li> <li>• One amendment was to look at the need.</li> <li>• Who suggested need should be taken out in amendment?</li> <li>• Giving elements piecemeal doesn't help the public decide on the whole facility or cumulative effects.</li> <li>• Community did not just say it is only a landfill → for a variety of reasons.</li> <li>• Want details on rate of diversion for other facilities. What are the timelines for implementing?</li> <li>• Conditions for opposition to previous proposal still apply.</li> <li>• Public are communicating what studies are needed, but WM is looking at what is required for the MOE.</li> <li>• Led to believe input would be included, but the process goes on.</li> <li>• Why weren't you in compliance for air on Monday?</li> <li>• Current approach (eco-system) would include baseline conditions first, and then looking at potential footprints. Casual look at the lands owned/options by WM do not fit into land appropriate for WM to develop.</li> <li>• Something that is not transparent.</li> <li>• We should not have odour. Should go further/seek input, speak to public, such as users of the adjacent roads, Carp Road, Highway 417, etc.</li> <li>• Were the survey questions sent to councillor?</li> <li>• WM needs to communicate better.</li> <li>• Point is to get info out.</li> <li>• Disconnect between what you are modelling. Modelling and reality do not equate.</li> <li>• Issue with approach to odour model. You can go beyond the model.</li> <li>• Only following the minimum for the regulation.</li> <li>• ToR says study areas can be modified, but WM is not looking at further study areas.</li> <li>• Will you assess past 500 metres if historical data says you should?</li> <li>• Provide study areas for each discipline.</li> <li>• What are the legal requirements for notification?</li> <li>• Did Timbermere receive the mailing?</li> <li>• Expand mailing past current postal code (K0A 1L0). If this will not be done, why? Anyone affected by odour and/or groundwater should be included, at a minimum.</li> <li>• Subsequent session was not advertised to the public. If you have a meeting, it should be advertised.</li> <li>• General distribution (i.e. flyers) may not make it to some residents.</li> <li>• A tentative schedule is required so people can plan to attend in advance.</li> <li>• Two week's notice is not enough. One month notice would be better.</li> <li>• Public concerned about transparency.</li> <li>• There should be more than one date for workshops.</li> <li>• The process is moving too fast.</li> <li>• Open house boards should be numbered and dated.</li> <li>• Vermin and birds should be included as a criteria.</li> <li>• Make an assessment based on different sites.</li> <li>• Vermin and birds should be part of the EA.</li> <li>• What will be drawn to the site due to the proposed landfill?</li> <li>• No geology - should be included in criteria.</li> <li>• Drilling is not looking at geology, only hydrogeology.</li> <li>• Wouldn't it be easier just to add the criteria being proposed?</li> <li>• Property value should be included up front. Examples exist. Why can't this be a separate criteria? Want historical info on property value (price, days on market, etc.) and baseline environmental and economic information.</li> <li>• Can't expect that there won't be property value impacts.</li> <li>• Held accountable if not in compliance.</li> <li>• Individual property appraisal (1-3 km) should be done as part of baseline.</li> </ul>

### General Comments

- Feedback from WM needs to be provided prior to moving to another phase.
- We are only at workshop #1. Still need to determine what studies are required.
- Hold off on Phase 3 until criteria are finalized.
- Vermin impact will be different for each alternative. It should be a criteria.
- Cumulative effects from vermin due to landfill and transfer station, etc.
- We should come together in a couple of weeks to review information from tonight.
- Concerned about omissions.
- Existing conditions/criteria/assessment methodology.
- Cannot proceed until all criteria comments have been reviewed from each public event.

### Communications

- Need more lead time.
- Should have radio spots on 106.9, 88.5, CFRA, 89.9, etc.
- There should have been an email distribution for this 'spill-over' session.
- Post billboard at entry/exit of Highway 417.
- Good location for a meeting (WM Westbrook Office).
- Website should: be better organized (tabs); and show a 'what's new' section.
- There should be page numbers and dates on all materials.
- Secured 'PDF' difficult to reference and select out of document.
- Was this a 'spill-over' event?
- Are people looking for a list of criteria and those that are proposed?
- Are we expected to review and provide comment on criteria priority tonight?
- Once we have had a chance to review the criteria on our own, we should all come together and review.
- There should be more notice and materials should be provided up-front.
- Do you believe 16 people are representative of the whole community?
- All criteria are equally important.

As of May 12, 2011 only one Workshop Workbook has been received. Results from the table exercise, during which attendees were asked to rank the importance of the evaluation criteria, as well responses to the questions in the Workbooks are provided in the tables that follow.

**Table 5-3 Workshop Table 1 Evaluation Criteria Rankings**

Very Important	Important	Less Important
<ul style="list-style-type: none"> <li>• Surface Water Quantity</li> <li>• Effects on Current and Planned Future Land Uses</li> <li>• Air Quality</li> <li>• Surface Water Quality</li> <li>• Odour</li> <li>• Local Residents</li> <li>• Groundwater Quality (New/Existing)</li> </ul> <p><b>Moved from Important</b></p> <ul style="list-style-type: none"> <li>• Effects from Truck Transport along Access Roads</li> <li>• Economic Benefit to Local Municipality</li> <li>• Noise</li> <li>• Aquatic Ecosystems (Carbon Sinks)</li> <li>• Terrestrial Ecosystems</li> <li>• Displacement of Agricultural Land*</li> </ul> <p><b>New Criteria Proposed by Public</b></p> <ul style="list-style-type: none"> <li>• Groundwater Flow</li> <li>• Vermin (Rats, Gulls, Crows)</li> <li>• Post Closure Uses</li> <li>• Effects on Residential/Commercial Development</li> <li>• Property Value Protection</li> </ul>	<ul style="list-style-type: none"> <li>• Archaeological Resources</li> <li>• Recreational Facilities</li> <li>• Potential Effects on Aboriginal Communities</li> <li>• Cultural and Heritage Resources</li> <li>• Effects on Airport Operations</li> <li>• Site Design and Operations Characteristics</li> <li>• Visual Impact of the Facility</li> <li>• Displacement of Agricultural Land*</li> </ul> <p><b>New Criteria Proposed by Public</b></p> <ul style="list-style-type: none"> <li>• Property Tax Revenue for City of Ottawa</li> </ul>	<ul style="list-style-type: none"> <li>• Continued Service to Customers</li> <li>• Effects on the Cost of Services to Customers</li> </ul>

\* For Table 1, Displacement of Agricultural Land was rated between Very Important and Important

**Table 5-4 Workshop Table 2 Evaluation Criteria Rankings**

Very Important	Important	Less Important
<ul style="list-style-type: none"> <li>• Surface Water Quantity</li> <li>• Effects on Current and Planned Future Land Uses</li> <li>• Air Quality</li> <li>• Surface Water Quality</li> <li>• Odour</li> <li>• Local Residents</li> <li>• Groundwater Quality</li> </ul> <p><b>Moved from Important</b></p> <ul style="list-style-type: none"> <li>• Noise</li> <li>• Visual Impact of the Facility</li> </ul> <p><b>New Criteria Proposed by Public</b></p> <ul style="list-style-type: none"> <li>• Groundwater Flow</li> <li>• Effects on Residential/Commercial Development</li> <li>• Effects on Property Value</li> </ul>	<ul style="list-style-type: none"> <li>• Archaeological Resources</li> <li>• Recreational Facilities</li> <li>• Potential Effects on Aboriginal Communities</li> <li>• Aquatic Ecosystems</li> <li>• Cultural and Heritage Resources</li> <li>• Effects on Airport Operations</li> <li>• Site Design and Operations Characteristics</li> <li>• Displacement of Agricultural Land</li> <li>• Effects from Truck Transport along Access Roads</li> <li>• Terrestrial Ecosystems</li> </ul>	<ul style="list-style-type: none"> <li>• Continued Service to Customers</li> <li>• Effects on the Cost of Services to Customers</li> </ul> <p><b>Moved from Important</b></p> <ul style="list-style-type: none"> <li>• Economic Benefit to Local Municipality</li> </ul> <p><b>New Criteria Proposed by Public</b></p> <ul style="list-style-type: none"> <li>• Effects on Property Tax Revenue for City of Ottawa</li> </ul>

**Table 5-5 Responses to Workbook Questions**

<b>Topic 1: Evaluation Criteria, Indicators and Data Sources</b>	
1. Having seen how the Evaluation Criteria were ranked at the previous Workshop #1 consultation event, do you agree with the ranking of importance as presented at this Workshop?	No, we do not agree with all the rankings as presented.
2. Would you change any of the rankings of the Evaluation Criteria or Indicators proposed?	Yes: Geology and Hydrogeology – Groundwater flow should be very important. Economic Effects on Residential and Commercial Development should be very important.
3. What Environmental Components and Criteria are you most interested/concerned with?	We are most concerned with: Atmospheric Environment – All Criteria Geology and Hydrogeology – All Criteria
<b>Topic 2: Comparative Evaluation Methodology</b>	
1. What are your thoughts on the proposed Comparative Evaluation Methodology?	How is the criteria rating taken into account (Appendix B) during the combination of the rankings, e.g. how will the criteria be weighted?
2. What type of trade-offs do you feel are most appropriate given the proposed Evaluation Criteria?	Any tradeoffs which result in lowered impact on Atmospheric Environment and Geology and Hydrogeology are appropriate.

# Appendix A

Workshop Workbook and  
Handouts

# **Environmental Assessment for a New Landfill Footprint at the West Carleton Environmental Centre (WCEC)**

## **Workshop #2:**

### **Review of Comparative Evaluation Methodology and Evaluation Criteria, Indicators and Data Sources**

*April 28, 2011*

## ***Please tell us about yourself.***

*Please note that information related to this Study will be collected in accordance with the Freedom of Information and Protection of Privacy Act. With the exception of personal information, all comments received will become part of the public record and may be included in Study documentation prepared for public review.*

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_

**Postal Code:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**Email:** \_\_\_\_\_



## Purpose of the Workshop

- The workshop purpose is to obtain stakeholder input on:
  - The Evaluation Criteria, Indicators and Data Sources to be applied in the Comparative Evaluation (i.e., what information will be used to assess and compare the four alternative landfill footprint options to one another); and,
  - The Comparative Evaluation Methodology (i.e., how the four alternative landfill footprint options will be assessed and compared to one another).
- The input provided by stakeholders will be considered in:
  - The information used to complete the assessment and evaluation of the alternative landfill footprint options; and,
  - The way the alternative landfill footprint options are assessed and compared.
- The input provided by stakeholders will help to establish:
  - The relative priority given to the Evaluation Criteria and Indicators.

## Stage in the EA Process

- On November 25, 2010, the Minister of the Environment approved the Terms of Reference (ToR) proposed by Waste Management of Canada Corporation (WMCC) to conduct an Environmental Assessment (EA) for a new landfill footprint at the proposed West Carleton Environmental Centre (WCEC).
- On January 5, 2011, WMCC issued a Notice of Commencement announcing the beginning of the EA process.
- The public consultation for the EA process is comprised of five stages (i.e., as shown in the attached **Appendix A**). This workshop (Workshop #2) is the second event within the second stage of the public consultation process.
- The previous public consultation events held in the EA process covered the following:
  - **Stage 1 - Open House #1** – Review of Approved ToR / Overview of Existing Conditions and Constraints.
  - **Stage 1 - Workshop #1** – Development of Alternative Landfill Footprint Options / Review of Evaluation Criteria.
  - **Stage 2 - Open House #2** – Review of Proposed Landfill Footprint Options and Initial Existing Conditions and Constraints

## Outcome of Consultations

- As a result of stakeholder input received in Stage 1 – Open House #1 and Stage 1 – Workshop #1, the following changes were made within the EA process:
  - Modified notification process for public consultation events;
  - Included additional alternative landfill footprint options; and,
  - Incorporated additional Economic Evaluation Criteria and Indicators.

## Next Steps in EA Process

- The EA process that WMCC is conducting follows the requirements of the Ministry of the Environment Code of Practice for Preparing and Reviewing EAs, whereby the description of the environment will follow the description of and the rationale for the alternative methods for the undertaking (i.e., Sections 4.2.2 and 4.2.3 of the “Code of Practice”).
- The initial Existing Conditions within the various Study Areas have been documented for all disciplines, based upon desktop studies, as well as previous field investigations and other secondary sources (i.e., government documents, reports and studies, etc.).
- The Existing Conditions will be updated and confirmed in the coming weeks and months through additional field studies.
- The Comparative Evaluation of the alternative landfill footprint options will proceed once Existing Conditions have been confirmed (i.e., Section 4.2.4 of the Code of Practice).
- Following the identification of a preferred alternative landfill footprint option, a detailed impact assessment will be completed to determine the net effects that will be caused, or might reasonably be caused, on the environment by the preferred alternative.
- Public consultation will take place throughout each of the remaining stages of the EA.
- The next Open House (Stage 3 - Open House #3), will confirm the Existing Conditions and provide further details on the Comparative Evaluation Methodology.

## Evaluation Criteria, Indicators and Data Sources

- Preliminary Evaluation Criteria and Indicators were outlined in the approved ToR and may be broadly grouped into Environmental, Technical and Socio-Economic categories. A commitment was made in the approved ToR that the Criteria, Indicators and Data Sources would be reviewed and modified through consultation with the public and other agencies, as appropriate, during the EA.
- These Criteria form the basis for characterizing Existing Environmental Conditions, comparing Alternative Methods (alternative landfill footprint options), identifying a preferred alternative, and for assessing potential adverse effects of the Undertaking.
- A comprehensive list of “Criteria” that cover all aspects of the environment (as defined under the Ontario Environmental Assessment Act (OEAA)) is used to assist in the decision-making process at the Alternative Methods stage.
- Criteria can be defined as “principles or standards used to compare and judge alternatives.”
- Analyzing each of these Criteria not only ensures a systematic and logical approach to decision-making, but documenting the results criterion-by-criterion is a means by which others can follow the evaluation and understand the reasons for the decisions.
- The Evaluation Criteria, Indicators and Data Sources were discussed and considered during Workshop #1. Based on the comments received, two additional Criteria under the Economic Component have been incorporated:
  - Effects on Residential and Commercial Development; and,
  - Effects on Property Tax Revenue on the City of Ottawa.
- The relative importance of each Criterion, as ranked by participants at Workshop #1, is shown in **Appendix B**.
- These rankings identify Air Quality (16 “very important”) as being valued above all other Criteria, followed closely by Odour (15 “very important”) and Groundwater Quality (15 “very important”), and, finally, Surface Water Quality (13 “very important”). The three Criteria under the Economic Component received the largest number of “less important” and “not important” rankings from participants.

- In addition to the Criteria, Indicators for each Criterion must also be confirmed before carrying out more detailed work on the Alternative Methods. As the Criteria tend to be fairly general, Indicators are much more specific and can be measured or determined in some way. For example:
  - Criteria = Odour
  - Indicators = Predicted odour emissions and Number of off-site receptors potentially affected (residential properties, public facilities, businesses and institutions).
- In the above example, identification of the number of off-site receptors by type, in conjunction with the predicted odour emissions as the measure, would provide the potential effect for this particular Criterion.
  - i.e. based on the predicted odour emissions from the site, x amount of off-site receptors, including x residences, x commercial operations and x recreational facilities, would be potentially affected.
- During the EA each technical discipline leader (e.g., atmospheric environment leader) will compare and rank alternatives for each of their Criteria. This will come in the form of a ranking for each Criterion from “least preferred” to “most preferred.”

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## Comparative Evaluation Methodology Overview

- “Alternative Methods” is the assessment of the different ways of implementing the proposed Undertaking. For example, the proposed new landfill footprint for residual waste could be constructed in different locations and configurations (size, height, etc.) at the WCEC.
- An evaluation method is a formal procedure for establishing an order of preference among options (i.e. alternative methods) that ultimately leads to a decision.
- In a Comparative Evaluation, alternatives are evaluated based on their differential impacts. Differential impacts refer to the relative difference between two or more alternatives (e.g., Option A produces more noise than Option B).
- A four step methodology for generating and evaluating the Alternative Methods is composed of the following:
  - **Step 1:** Generate Alternative Methods
  - **Step 2:** Assessment of the Alternative Methods
  - **Step 3:** Comparative Evaluation of the Alternative Methods and Selection of the Recommended Method(s)
  - **Step 4:** Identification of the Preferred Alternative Method
- The OEAA does not require a single method for the evaluation of alternatives – evaluation methods can be tailored on a project-by-project basis.
- The Codes of Practice for Preparing EA’s in Ontario mention that “the evaluation method(s) chosen must be able to produce an assessment that is clear, logical and traceable” (Section 4.2.4 of the Code of Practice). WMCC has selected a Comparative Evaluation methodology that has been employed successfully in other EAs and has proven to be an effective means of evaluating alternatives.

## Comparative Evaluation Methodology Proposed

- The Comparative Evaluation of Alternative Methods of carrying out the proposed undertaking (alternative landfill footprint options) will include:
  - A further description of each of the alternative landfill footprint options;
  - Confirmation of the Evaluation Criteria, Indicators, and Data Sources;
  - A description of the environment potentially affected for each alternative in relation to the Evaluation Criteria and Indicators, based on the information contained in the Existing Conditions reports;

- The development of avoidance (prevent the occurrence of negative effects)/ mitigation (where prevention is not possible, application of appropriate measures to remove or alleviate negative effects, to some degree)/ compensation (where mitigation is not possible or cannot eliminate all effects, replacement in kind, or provision of a substitute or reimbursement)/ enhancement (positive environmental effects) measures to minimize potential impacts on the environment;
  - A description of the **net effects** on the environment for each alternative landfill footprint option relative to the other alternatives, taking into account reasonable mitigation methods (i.e. methods for which there is a reasonable expectation that they can be implemented both technically and economically); and
  - An evaluation of the advantages and disadvantages to the environment for each of the alternatives, and a rationale for the preferred alternative(s).
- **Appendix C** presents an example of a Net Effects Analysis for one sample Environmental Component.

## Reasoned Argument Approach

- The Comparative Evaluation methodology proposed is often referred to as the Reasoned Argument or “Trade-off” approach.
- Under the Reasoned Argument approach, the difference in net effects associated with the various alternatives is highlighted. Based on these differences, the advantages and disadvantages of each alternative are identified according to the evaluation of tradeoffs between the various evaluation criteria and indicators. The relative significance of potential impacts is examined to provide a clear rationale for the selection of a preferred alternative.
- The term Trade-offs is defined as “things of value given up in order to gain different things of value.”
- Each alternative will be compared against the other alternatives to distinguish relative differences in impacts to the environment, taking into account possible mitigation measures.
- For example, during the detailed Comparative Evaluation of the alternative landfill footprint options, the rankings will be combined (aggregated) for each Indicator within a Criteria into a single preference rating (‘No’, ‘Low’, ‘Medium’, or ‘High’). The ranking for each Criterion within an Environmental Component will then be combined into a single preference ranking. These results will be aggregated further into a single preference rating for each alternative landfill footprint option in order to rank the alternatives (incorporating tradeoffs and professional judgement) and identify a preferred alternative landfill footprint.
- **Appendix D** presents an example of a Comparative Evaluation (Table 2) for a selected Footprint and Criteria/Indicator.





# **Environmental Assessment for a New Landfill Footprint at the West Carleton Environmental Centre (WCEC)**

## **Workshop #2 – APPENDIX A**

## Appendix A

1	<h3>OVERVIEW OF THE PROPOSED PROJECT</h3> <p>During the first step of the consultation process, we will review the approved Terms of Reference and introduce the EA study work plans. The work plans will provide an overview of existing physical environmental conditions on our property. They will also help our neighbours, local residents and interested stakeholders to identify new landfill footprint options and locations of the proposed waste diversion, environmental and community recreational facilities.</p>
2	<h3>REVIEWING THE OPTIONS</h3> <p>During the second step of the consultation process, our neighbours, local residents and interested stakeholders will review new landfill footprint options. They will also review the criteria used to evaluate the new landfill footprint options and offer their views on refining the criteria, indicators and measures proposed as part of the evaluation process.</p>
3	<h3>COMPARING THE OPTIONS</h3> <p>In the third step of the consultation process, we will present the existing environmental conditions in the study area. Our neighbours, local residents and interested stakeholders will have the opportunity to evaluate the new landfill footprint options and provide input into a preferred new landfill footprint and proposed waste diversion, environmental and community recreational facilities.</p>
4	<h3>THE PREFERRED OPTION</h3> <p>During the fourth step of the consultation process, we will present the evaluation of the new landfill footprint options, which will include a detailed assessment of the preferred new landfill footprint in terms of its siting, safeguards, construction and operation. In addition, we will present the cumulative impact of the new landfill footprint and proposed waste diversion, environmental and community recreational facilities.</p>
5	<h3>THE FINAL OPTION</h3> <p>In the fifth step in the consultation process, we will present the final completed EA that will be submitted to the Ministry of Environment. Our neighbours, local residents and interested stakeholders will be able to provide their comments to us before our EA is sent in to the Ministry. Once the EA is submitted to the Ministry, the public will also have an opportunity to provide comments to the Ministry of Environment on the final EA we submitted.</p>

# **Environmental Assessment for a New Landfill Footprint at the West Carleton Environmental Centre (WCEC)**

## **Workshop #2 – APPENDIX B**

Environmental Component	Criteria	Indicators	Criteria Rating	Number of Responses
Atmospheric Environment	Air quality	<ul style="list-style-type: none"> <li>Modelled air concentrations of indicator compounds (organics, particulates).</li> <li>Number of off-site receptors potentially affected (residential properties, public facilities, businesses, and institutions).</li> </ul>	Very Important	16
			Important	1
			Less Important	0
			Not Important	0
	Noise	<ul style="list-style-type: none"> <li>Predicted site-related noise.</li> <li>Number of off-site receptors potentially affected (residential properties, public facilities, businesses, and institutions).</li> </ul>	Very Important	8
			Important	6
			Less Important	2
			Not Important	1
	Odour	<ul style="list-style-type: none"> <li>Predicted odour emissions.</li> <li>Number of off-site receptors potentially affected (residential properties, public facilities, businesses and institutions).</li> </ul>	Very Important	15
			Important	1
			Less Important	0
			Not Important	0
Geology & Hydrogeology	Groundwater quality	<ul style="list-style-type: none"> <li>Predicted effects to groundwater quality at property boundaries and off-site.</li> </ul>	Very Important	15
			Important	1
			Less Important	1
			Not Important	1
Surface Water Resources	Surface water quality	<ul style="list-style-type: none"> <li>Predicted effects on surface water quality on-site and off-site.</li> </ul>	Very Important	13
			Important	2
			Less Important	1
			Not Important	1
	Surface water quantity	<ul style="list-style-type: none"> <li>Change in drainage areas.</li> <li>Predicted occurrence and degree of off-site effects.</li> </ul>	Very Important	11
			Important	3
			Less Important	2
			Not Important	1
Terrestrial Environment	Terrestrial ecosystems	<ul style="list-style-type: none"> <li>Predicted impact on vegetation communities due to project.</li> <li>Predicted impact on wildlife habitat due to project.</li> <li>Predicted impact of project on vegetation and wildlife including rare, threatened or endangered species.</li> </ul>	Very Important	8
			Important	4
			Less Important	3
			Not Important	2
Aquatic Environment	Aquatic ecosystems	<ul style="list-style-type: none"> <li>Predicted changes in water quality.</li> <li>Predicted impact on aquatic habitat due to project.</li> <li>Predicted impact on aquatic biota due to project.</li> </ul>	Very Important	8
			Important	4
			Less Important	3
			Not Important	2
Archaeology & Cultural Heritage	Cultural and heritage resources	<ul style="list-style-type: none"> <li>Cultural and heritage resources on-site and in vicinity.</li> <li>Predicted impacts to cultural and heritage resources on-site and in vicinity.</li> </ul>	Very Important	5
			Important	5
			Less Important	4
			Not Important	1
	Archaeological resources	<ul style="list-style-type: none"> <li>Presence of archaeological resources on-site.</li> <li>Significance of on-site archaeology resources potentially displaced/disturbed.</li> </ul>	Very Important	5
			Important	5
			Less Important	5
			Not Important	2
Transportation	Effects on airport operations	<ul style="list-style-type: none"> <li>Bird strike hazard to aircraft in Local Study Area.</li> </ul>	Very Important	10
			Important	2
			Less Important	3
			Not Important	1
	Effects from truck transport along access roads	<ul style="list-style-type: none"> <li>Potential for traffic collisions.</li> <li>Disturbance to traffic operations.</li> <li>Proposed road improvement requirements.</li> </ul>	Very Important	10
			Important	5
			Less Important	0
			Not Important	1
Land Use	Effects on current and planned future	<ul style="list-style-type: none"> <li>Current land use.</li> <li>Planned future land use.</li> <li>Type(s) and proximity of off-site recreational resources</li> </ul>	Very Important	11
			Important	2

Environmental Component	Criteria	Indicators	Criteria Rating	Number of Responses
Economic	land uses	within 500 m of landfill footprint potentially affected. • Type(s) and proximity of off-site sensitive land uses (i.e., dwellings, churches, cemeteries, parks) within 500 m of landfill footprint potentially affected.	Less Important	2
			Not Important	1
	Displacement of agricultural land	• Current land use. • Predicted impacts on surrounding agricultural operations. • Type(s) and proximity of agricultural operations (i.e., organic, cash crop, livestock).	Very Important	6
			Important	5
			Less Important	4
			Not Important	1
	Effects on the cost of services to customers	• Ratio of air space achieved to volume of soil to be excavated and area of cell base and leachate collection system to be constructed.	Very Important	5
			Important	3
			Less Important	6
			Not Important	3
	Continued service to customers	• Total optimized site capacity and site life.	Very Important	5
			Important	3
			Less Important	5
			Not Important	4
	Economic benefit to local municipality	• Employment at site (number and duration). • Opportunities to provide products or services.	Very Important	10
			Important	1
			Less Important	2
			Not Important	4
Social	Effects on Residential and Commercial Development	• Residential development plans. • Commercial development plans. • Data Sources. • City of Ottawa residential plans and zoning. • Commercial Development plans and zoning. • Municipal Property Assessment Corporation (MPAC) study.	Criteria added from comments submitted at Workshop #1	
	Effects on Property Tax Revenue on the City of Ottawa	• City of Ottawa. • MPAC. • Data Sources. • Study carried out on similar communities after an expansion occurs.	Criteria added from comments submitted at Workshop #1	
	Visual impact of the facility	• Predicted changes in perceptions of landscapes and views.	Very Important	6
			Important	3
			Less Important	2
			Not Important	0
	Local residents	• Number of residents.	Very Important	12
			Important	3
			Less Important	0
			Not Important	1
	Recreational facilities	• Type(s) and proximity of off-site recreational resources within 500 m of landfill footprint potentially affected.	Very Important	10
			Important	4
			Less Important	1
			Not Important	1
Aboriginal	Potential effects on Aboriginal communities	• Potential effects on use of lands for traditional purposes.	Very Important	5
			Important	5
			Less Important	4
			Not Important	2
Site Design & Operations	Site design and operations characteristics	• Complexity of site infrastructure. • Operational flexibility.	Very Important	10
			Important	2
			Less Important	3
			Not Important	2

# **Environmental Assessment for a New Landfill Footprint at the West Carleton Environmental Centre (WCEC)**

## **Workshop #2 – APPENDIX C**

## Example: Alternative Landfill Footprint Option #1 – Net Effects Table

Environmental Component	Criteria	Indicators	Potential Effects	Mitigation Measures	Net Effects
Atmospheric Environment	Odour	<ul style="list-style-type: none"> <li>Predicted odour emissions.</li> </ul>	Odour emissions are predicted to be x.	<ul style="list-style-type: none"> <li>-Design and Implement odour control (gas collection) at the outset of the project.</li> <li>-Implement Best Management Practices to ensure odour from disposal is minimized.</li> </ul>	Odour emissions would be reduced to y.
		<ul style="list-style-type: none"> <li>Number of off-site receptors potentially affected (residential properties, public facilities, businesses and institutions).</li> </ul>	X off-site receptors will be potentially affected.	<ul style="list-style-type: none"> <li>-Design and Implement odour control (gas collection) at the outset of the project.</li> <li>-Implement Best Management Practices to ensure odour from disposal is minimized.</li> </ul>	No off-site receptors will be affected.

# **Environmental Assessment for a New Landfill Footprint at the West Carleton Environmental Centre (WCEC)**

## **Workshop #2 – APPENDIX D**



## Example: Comparative Evaluation Table

Environmental Component	Criteria	Indicators	Net Effects			
			Option #1	Option #2	Option #3	Option #4
Atmospheric Environment	Air quality	• Modelled air concentrations of indicator compounds (organics, particulates).	X air concentrations	X air concentrations	X air concentrations	X air concentrations
		• Number of off-site receptors potentially affected (residential properties, public facilities, businesses, and institutions).	No off-site Receptors affected	No off-site Receptors affected	2 off-site receptors affected	No off-site Receptors affected
		Criteria Ranking:	Tied 1 <sup>st</sup>	Tied 1 <sup>st</sup>	2 <sup>nd</sup>	Tied 1 <sup>st</sup>
	Noise	• Predicted site-related noise.	Minimal site-related noise	Minimal site-related noise	Minimal site-related noise	Minimal site-related noise
		• Number of off-site receptors potentially affected (residential properties, public facilities, businesses, and institutions).	No off-site Receptors affected	1 off-site Receptors affected	3 off-site receptors affected	2 off-site Receptors affected
		Criteria Ranking:	1 <sup>st</sup>	2 <sup>nd</sup>	4 <sup>th</sup>	3 <sup>rd</sup>
	Odour	• Predicted odour emissions.	X odour emissions	X odour emissions	X odour emissions	X odour emissions
		• Number of off-site receptors potentially affected (residential properties, public facilities, businesses and institutions).	No off-site Receptors affected	No off-site Receptors affected	2 off-site receptors affected	1 off-site Receptors affected
		Criteria Ranking:	Tied 1 <sup>st</sup>	Tied 1 <sup>st</sup>	3 <sup>rd</sup>	2 <sup>nd</sup>
	Environmental Component Ranking		1 <sup>st</sup>	2 <sup>nd</sup>	4 <sup>th</sup>	3 <sup>rd</sup>
RATIONALE		Option #1 is ranked as the Preferred Alternative from an Atmospheric perspective as it has the lowest net effect on potential receptors as well as air concentrations, odour and noise emissions.				

# **Environmental Assessment for a New Landfill Footprint at the West Carleton Environmental Centre (WCEC)**

## **Workshop #2 – APPENDIX E**

## Comments and Responses on Additional Criteria

QUESTION	COMMENT	RESPONSE
Are you in agreement with the proposed Evaluation Criteria, Indicators and Data Sources? If not, what would you change? Please provide additional comments and ratings on the attached tables.	In general, yes. However, health impact is not adequately covered. Impact seems to be restricted to 500 m. Past experience shows impacts is far beyond that distance.	<p>It is our opinion that the potential health effects associated with the proposed new landfill footprint alternatives can be addressed through various proposed evaluation criteria, including Atmospheric (Air, Dust, Noise), Surface Water, and Geology &amp; Hydrogeology.</p> <p>These criteria incorporate requirements of health-based Provincial regulations, such as O.Reg. 232/98 (landfill design) and O.Reg. 419/05 (air quality), which address the management of atmospheric (air, dust, noise), ground water, and surface water effects related to the proposed new landfill footprint.</p> <p>In terms of study areas to assess potential effects, three proposed study areas were identified in the Terms of Reference (TOR) in Appendix C – Study Work Plans - including:</p> <ul style="list-style-type: none"> <li>On-site - the lands we own and/or option for the proposed new landfill footprint;</li> <li>Site Vicinity – the lands in the vicinity of the current Ottawa WMF (within 500 metres of the alternative WCEC waste footprints, which will be developed during the EA); and</li> <li>Regional – the lands within approximately 1-5 kilometres of the Site, depending on the discipline and the factors that are relevant.</li> </ul> <p>These study areas will be applied to the evaluation criteria, including Atmospheric (Air, Dust, Noise), Surface Water, and Geology &amp; Hydrogeology.</p>
Table 1 – Land Use – Effects on current and planned future land uses	Property tax values, development value should be included	<p>It is our opinion that the potential effects on property value associated with the proposed new landfill footprint alternatives could be attributed to various factors that can be addressed through proposed evaluation criteria, such as Visual, Geology &amp; Hydrogeology, Traffic, and Atmospheric (Odour, Dust, and Noise). Since potential effects on property value could result from potential effects due to one or more of these factors, the assessment of all of these evaluation criteria is relevant.</p> <p>In the Terms of Reference (TOR) in Appendix D – Community Commitments – we stated that we will provide to qualified owners of real estate protection against</p>

		reduction in value of their homes by reason of the new landfill footprint. Details as to how the plan would work and what residences qualify will be developed in consultation with stakeholders as part of the EA. It was stated in the TOR that potential negative effects on property value are not expected.
Table 1 – Economic – Economic benefit to local municipality	Property value needs to be added	<p>It is our opinion that the potential effects on property value associated with the proposed new landfill footprint alternatives could be attributed to various factors that can be addressed through proposed evaluation criteria, such as Visual, Geology &amp; Hydrogeology, Traffic, and Atmospheric (Odour, Dust, and Noise). Since potential effects on property value could result from potential effects due to one or more of these factors, the assessment of all of these evaluation criteria is relevant.</p> <p>In the Terms of Reference (TOR) in Appendix D – Community Commitments – we stated that we will provide to qualified owners of real estate protection against reduction in value of their homes by reason of the new landfill footprint. Details as to how the plan would work and what residences qualify will be developed in consultation with stakeholders as part of the EA. It was stated in the TOR that potential negative effects on property value are not expected.</p>
Criteria Review	Add study of insects/pollinators (incoming contaminants), tourism, eco growth and property value impact	<p>It is our opinion that potential impacts on insects/pollinators can be addressed through the Terrestrial Environment assessment that will be conducted for the detailed impact assessment of the preferred landfill footprint.</p> <p>It is our opinion that potential impacts on tourism could be related to potential effects associated with the proposed new landfill footprint (e.g., transportation, visual, atmospheric, land use, etc.) and that these potential effects can be addressed through other proposed evaluation criteria (i.e., transportation, visual, atmospheric, land use, etc.).</p> <p>It is our opinion that potential impacts on economic growth can be addressed through the additional Effects on Residential and Commercial development evaluation criteria.</p> <p>It is our opinion that the potential effects on property value associated with the proposed new landfill footprint alternatives could be attributed to various factors that can be addressed through proposed evaluation criteria, such as Visual, Geology &amp; Hydrogeology, Traffic, and Atmospheric (Odour, Dust, and Noise). Since potential</p>

		<p>effects on property value could result from a potential effects due to one or more of these factors, the assessment of all of these evaluation criteria is relevant.</p> <p>In the Terms of Reference (TOR) in Appendix D – Community Commitments – we stated that we will provide to qualified owners of real estate protection against reduction in value of their homes by reason of the new landfill footprint. Details as to how the plan would work and what residences qualify will be developed in consultation with stakeholders as part of the EA. It was stated in the TOR that potential negative effects on property value are not expected.</p>
Additional Criteria/Indicators	<p>Environmental Component: Economic Criteria: Effects on Nearby Residents Property Value Rationale: The expansion of this facility and its potential affects will lower property values for nearby (&lt;5 km from the site) residents. Indicators:</p> <ul style="list-style-type: none"> <li>• Odours impinging on resident's property will lower property value and ability to sell their homes.</li> <li>• Odours impinging on properties will affect residents, or potential purchasers', quality of life and lower property values and ability to sell their homes.</li> <li>• Potential water contamination may affect resident's ability to plant a garden. This will lower property values and ability to sell their homes.</li> <li>• Potential water contamination may affect resident's water wells. This will lower resident's property values and ability to sell their homes.</li> </ul> <p>Data Sources:</p> <ul style="list-style-type: none"> <li>• Baseline property value required by a</li> </ul>	<p>It is our opinion that the potential effects on property value associated with the proposed new landfill footprint alternatives could be attributed to various factors that can be addressed through proposed evaluation criteria, such as Visual, Geology &amp; Hydrogeology, Traffic, and Atmospheric (Odour, Dust, and Noise). Since potential effects on property value could result from a potential effects due to one or more of these factors, the assessment of all of these evaluation criteria is relevant.</p> <p>In the Terms of Reference (TOR) in Appendix D – Community Commitments – we stated that we will provide to qualified owners of real estate protection against reduction in value of their homes by reason of the new landfill footprint. Details as to how the plan would work and what residences qualify will be developed in consultation with stakeholders as part of the EA. It was stated in the TOR that potential negative effects on property value are not expected.</p>

	<p>3rd party and property value protection program required.</p> <ul style="list-style-type: none"> <li>• MPAC study.</li> </ul> <p>Criteria Rating: Very Important.</p>	
Additional Criteria/Indicators	<p>Environmental Component: Economic</p> <p>Criteria: Effects on Residential and Commercial Development</p> <p>Rationale: The expansion of this facility and its potential affects will stunt or stop residential and commercial development.</p> <p>Indicators:</p> <ul style="list-style-type: none"> <li>• Residential development plans.</li> <li>• Commercial development plans.</li> </ul> <p>Data Sources:</p> <ul style="list-style-type: none"> <li>• City of Ottawa residential plans and zoning.</li> <li>• Commercial Development plans and zoning.</li> <li>• MPAC study.</li> </ul> <p>Criteria Rating: Very important.</p>	This evaluation criteria has been included for the alternatives evaluation.
Additional Criteria/Indicators	<p>Environmental Component: Economic</p> <p>Criteria: Effects on property tax revenue on City of Ottawa</p> <p>Rationale: The expansion of this facility and its potential affects will stunt or stop residential and commercial development. This will stunt property tax revenue in the west end. Also, if property values decline there will also be a decline in property tax revenue since taxes are based on property value.</p> <p>Indicators:</p> <ul style="list-style-type: none"> <li>• City of Ottawa</li> </ul>	This evaluation criteria has been included for the alternatives evaluation.

	<ul style="list-style-type: none"> <li>• MPAC</li> </ul> <p>Data Sources:</p> <ul style="list-style-type: none"> <li>• City of Ottawa</li> <li>• MPAC</li> <li>• Study done on similar communities after an expansion occurs.</li> <li>• Criteria Rating: Very important.</li> </ul>	
Additional Criteria/Indicators	<p>Environmental Component: Economic</p> <p>Criteria: Effects on the decrease on residential spending on home improvements.</p> <p>Rationale: Residents will not improve or upgrade their homes because of the lack of ROI when people may sell. It will decrease spending on home improvements.</p> <p>Indicators:</p> <ul style="list-style-type: none"> <li>• City of Ottawa</li> <li>• Survey of Residents within 5km of the proposed site.</li> </ul> <p>Data Sources:</p> <ul style="list-style-type: none"> <li>• Study done on similar communities after an expansion occurs.</li> </ul> <p>Criteria Rating: Very important.</p>	<p>It is our opinion that potential effects on residential spending on home improvements can be addressed through the additional Effects on Residential and Commercial Development evaluation criteria.</p>
Additional Criteria/Indicators	<p>Environmental Component: Public Health and Safety</p> <p>Criteria: Air Quality Health Effects on Nearby Residents</p> <p>Rationale: The expansion of this facility and its potential affects may affect the health of nearby residents.</p> <p>Indicators:</p> <ul style="list-style-type: none"> <li>• Effects Due to Fine Particulate Exposure.</li> <li>• Effects Due to Exposure to Facility</li> </ul>	<p>It is our opinion that the potential health effects associated with the proposed new landfill footprint alternatives can be addressed through various proposed evaluation criteria, including Atmospheric (Air, Dust, Noise).</p> <p>These criteria incorporate requirements of health-based Provincial regulations, such as O.Reg. 419/05 (air quality), which address the management of atmospheric (air, dust, noise) effects related to the proposed new landfill footprint.</p> <p>In terms of study areas to assess potential effects, three proposed study areas were identified in the Terms of Reference (TOR) in Appendix C – Study Work Plans - including:</p>

	<p>Emissions.</p> <p>Data Sources:</p> <ul style="list-style-type: none"> <li>• Complete health study from an impartial 3rd party. People within 5 km of the site shall be studied.</li> </ul> <p>Criteria Rating: Very important.</p> <p>Comments: The MOE just called an “emergency” measures due to the shift in the mound and warned residents of possible adverse health effects.</p>	<ul style="list-style-type: none"> <li>• On-site - the lands we own and/or option for the proposed new landfill footprint;</li> <li>• Site Vicinity – the lands in the vicinity of the current Ottawa WMF (within 500 metres of the alternative WCEC waste footprints, which will be developed during the EA); and</li> <li>• Regional – the lands within approximately 1-5 kilometres of the Site, depending on the discipline and the factors that are relevant.</li> </ul> <p>These study areas will be applied to the evaluation criteria, including Atmospheric (Air, Dust, Noise).</p>
Additional Criteria/Indicators	<p>Environmental Component: Public Health and Safety</p> <p>Criteria: Water Quality Health Effects on Nearby Residents</p> <p>Rationale: The expansion of this facility and its potential affects will stunt or stop residential and commercial development.</p> <p>Indicators:</p> <ul style="list-style-type: none"> <li>• Effects due to Contact with Leachate-Impacted Groundwater or Surface Water.</li> <li>• Effects due to Contact with Non-Leachate Impacted Groundwater or surface water.</li> </ul> <p>Data Sources:</p> <ul style="list-style-type: none"> <li>• Complete health study from an impartial 3rd party. People within 5 km of the site shall be studied.</li> </ul> <p>Criteria Rating: Very important.</p> <p>Comments: The MOE just called an “emergency” measures due to the shift in the mound and warned residents of possible adverse health effects.</p>	<p>It is our opinion that the potential health effects associated with the proposed new landfill footprint alternatives can be addressed through various proposed evaluation criteria, including Surface Water and Geology &amp; Hydrogeology.</p> <p>These criteria incorporate requirements of health-based Provincial regulations, such as O.Reg. 232/98 (landfill design), which address the management of ground water, and surface water effects related to the proposed new landfill footprint.</p> <p>In terms of study areas to assess potential effects, three proposed study areas were identified in the Terms of Reference (TOR) in Appendix C – Study Work Plans - including:</p> <ul style="list-style-type: none"> <li>• On-site - the lands we own and/or option for the proposed new landfill footprint;</li> <li>• Site Vicinity – the lands in the vicinity of the current Ottawa WMF (within 500 metres of the alternative WCEC waste footprints, which will be developed during the EA); and</li> <li>• Regional – the lands within approximately 1-5 kilometres of the Site, depending on the discipline and the factors that are relevant.</li> </ul> <p>These study areas will be applied to the evaluation criteria, including Surface Water, and Geology &amp; Hydrogeology.</p>
5. Specific comments,	Your evaluation criteria do not include	It is our opinion that the potential effects on property value associated with the



concerns or recommendations about the proposed evaluation criteria, indicators, and/or data sources?	any discussion of the impact of property values in the area. Included in the EA should be an assessment of the change in property values within a 10 kilometre radius of the landfill.	<p>proposed new landfill footprint alternatives could be attributed to various factors that can be addressed through proposed evaluation criteria, such as Visual, Geology &amp; Hydrogeology, Traffic, and Atmospheric (Odour, Dust, and Noise). Since potential effects on property value could result from a potential effects due to one or more of these factors, the assessment of all of these evaluation criteria is relevant.</p> <p>In the Terms of Reference (TOR) in Appendix D – Community Commitments – we stated that we will provide to qualified owners of real estate protection against reduction in value of their homes by reason of the new landfill footprint. Details as to how the plan would work and what residences qualify will be developed in consultation with stakeholders as part of the EA. It was stated in the TOR that potential negative effects on property value are not expected.</p>
3. A number of criteria have been presented at Open House #2, including new criteria based on public feedback received from Open House #1 and Workshop #1. Do you have any comments on the criteria presented? Or do you have other new criteria that you would like to see added?	General tidiness of the surrounding area, eg. Wind blown debris, etc.	It is our opinion that the management of potential nuisance effects associated with the preferred landfill footprint (e.g., litter, etc.) can be addressed in the Site Design and Operations Report that will support the Certificate of Approval (CofA) for the new landfill footprint.
3. A number of criteria have been presented at Open House #2, including new criteria based on public feedback received from Open House #1 and Workshop #1. Do you have any comments on the criteria presented?	Need to expand existing conditions area to include local residences, local neighbourhoods, such as well water quality and quantity. Property values – pre/post landfill. Surface water – pre/post landfill on Huntley Creek. Wildlife impacts – local, Huntley Creek.	<p>In terms of study areas to assess potential effects, three proposed study areas were identified in the Terms of Reference (TOR) in Appendix C – Study Work Plans - including:</p> <ul style="list-style-type: none"> <li>• On-site - the lands we own and/or option for the proposed new landfill footprint;</li> <li>• Site Vicinity – the lands in the vicinity of the current Ottawa WMF (within 500 metres of the alternative WCEC waste footprints, which will be developed during the EA); and</li> <li>• Regional – the lands within approximately 1-5 kilometres of the Site, depending on the discipline and the factors that are relevant.</li> </ul>

Or do you have other new criteria that you would like to see added?		These study areas will be applied to the existing conditions, as appropriate.
3. A number of criteria have been presented at Open House #2, including new criteria based on public feedback received from Open House #1 and Workshop #1. Do you have any comments on the criteria presented? Or do you have other new criteria that you would like to see added?	<p>Combustion components need to be included. Missing methane gas measurements – this needs to be included. Methane is a stronger global warming factor than carbon dioxide. Air quality – where are the studies? Why aren't the numbers from these studies posted at the Open House? Where are the measurements taken on the existing site? Data is required in the envelope defined by the 2007 odour reporting numbers. The numerical modeling needs to be calibrated against the 2007 odour reporting locations and existing conditions to show it is adequate. As a mechanical engineer with extensive computation fluid dynamics experience, I know how important calibration is.</p> <p>Land use impact on other commercial enterprises: in the summer I change my shopping patterns so I do not have to drive past the Carp dump (yes, it still smells). I do not shop in Stittsville in the summer as a result.</p>	<p>It is our opinion that potential effects of combustion components associated with the proposed new landfill footprint alternatives can be addressed through the proposed Atmospheric evaluation criteria.</p> <p>It is our opinion that potential effects on land use associated with the proposed new landfill footprint alternatives can be addressed through the proposed Land Use evaluation criteria.</p>
3. A number of criteria have been presented at Open House #2, including new criteria based on public feedback received from Open House #1 and	Impacts on property values and sociological impacts (ie. living next to/downwind of a dump).	It is our opinion that the potential effects on property value associated with the proposed new landfill footprint alternatives could be attributed to various factors that can be addressed through proposed evaluation criteria, such as Visual, Geology & Hydrogeology, Traffic, and Atmospheric (Odour, Dust, and Noise). Since potential effects on property value could result from a potential effects due to one or more of these factors, the assessment of all of these evaluation criteria is relevant.

Workshop #1. Do you have any comments on the criteria presented? Or do you have other new criteria that you would like to see added?		<p>In the Terms of Reference (TOR) in Appendix D – Community Commitments – we stated that we will provide to qualified owners of real estate protection against reduction in value of their homes by reason of the new landfill footprint. Details as to how the plan would work and what residences qualify will be developed in consultation with stakeholders as part of the EA. It was stated in the TOR that potential negative effects on property value are not expected.</p> <p>It is our opinion that the potential effects on social conditions associated with a new landfill footprint alternatives can be addressed through the Social, Visual, Land Use, Economic, Atmospheric, Geology &amp; Hydrogeology, and Surface Water evaluation criteria.</p>
3. A number of criteria have been presented at Open House #2, including new criteria based on public feedback received from Open House #1 and Workshop #1. Do you have any comments on the criteria presented? Or do you have other new criteria that you would like to see added?	Yes, did you look into the cost of total recycling cost, and what would be that cost?	We made a commitment to the development of diversion facilities as part of the West Carleton Environmental Centre (WCEC) to facilitate waste diversion in the industrial, commercial and institutional (IC&I) sectors. Given that opportunities for waste diversion in the IC&I sector are fluid and subject to market conditions, we planned for diversion facilities to accommodate the flexible market demand, which would fluctuate based upon costs of recycling and other factors, such as available markets for recyclable commodities.
Workshop #1 Discussion	Criteria related to service area should be included	We presented the proposed service area during the Terms of Reference (TOR) in Supporting Document #2. This provided context for the service area around the need and rationale for the proposed new landfill footprint. The service area is consistent for each of the landfill footprint options.
Workshop #1 Discussion	Add a criteria dealing with the effects on Carp Airport relating to changing wind patterns	It is our opinion that potential effects on the Carp Airport associated with the new landfill footprint alternatives can be addressed through the Atmospheric and Transportation evaluation criteria.
Workshop #1 Discussion	Vermin and Seagulls – how will this be addressed?	It is our opinion that the management of potential nuisance effects associated with the preferred landfill footprint (e.g., vermin, seagulls, etc.) can be addressed through the Site Design and Operations Report that will support the Certificate of Approval (CofA) for the new landfill footprint.

Workshop #1 Discussion	Where will light pollution be addressed?	It is our opinion that the management of potential nuisance effects associated with the preferred landfill footprint (e.g., lighting, etc.) can be addressed through the Site Design and Operations Report that will support the Certificate of Approval (CofA) for the new landfill footprint.
Workshop #1 Discussion	Economic Impacts on local residents are not included in the criteria	<p>It is our opinion that potential economic effects on local residents can be addressed through the additional Effects on Residential and Commercial Development evaluation criteria.</p> <p>It is our opinion that the potential effects on property value associated with the proposed new landfill footprint alternatives could be attributed to various factors that can be addressed through proposed evaluation criteria, such as Visual, Geology &amp; Hydrogeology, Traffic, and Atmospheric (Odour, Dust, and Noise). Since potential effects on property value could result from potential effects due to one or more of these factors, the assessment of all of these evaluation criteria is relevant.</p> <p>In the Terms of Reference (TOR) in Appendix D – Community Commitments – we stated that we will provide to qualified owners of real estate protection against reduction in value of their homes by reason of the new landfill footprint. Details as to how the plan would work and what residences qualify will be developed in consultation with stakeholders as part of the EA. It was stated in the TOR that potential negative effects on property value are not expected.</p>
Workshop #1 Discussion	Social impacts should include quality of life, noise and odour	It is our opinion that the potential effects on social conditions associated with a new landfill footprint alternatives can be addressed through the Social, Visual, Land Use, Economic, Atmospheric, Geology & Hydrogeology, and Surface Water evaluation criteria.

# Evaluation Criteria Rankings

Environmental Component	Criteria	Workshop #1 Ranking	Stakeholder Input	Most Important	Important	Less Important
Atmospheric Environment	Air quality	<b>Most Important</b>	Received the most 'very important' votes (16) of all criteria.			
	Noise	<b>Important</b>	Received 8 'very important' and 6 'important' votes.			
	Odour	<b>Most Important</b>	Received the second most number of 'very important' votes (15).			
Geology & Hydrogeology	Groundwater quality	<b>Most Important</b>	Received the second most number of 'very important' votes (15).			
	Groundwater flow	<b>NA</b>	Criteria added following Workshop #1			
Surface Water Resources	Surface water quality	<b>Most Important</b>	Received 13 'very important' votes.			
	Surface water quantity	<b>Most Important</b>	Received 11 'very important' and 3 'important' votes.			
Terrestrial Environment	Terrestrial ecosystems	<b>Important</b>	Received 8 'very important', 4 'important', 3 'less important', and 2 'not important' votes.			
Aquatic Environment	Aquatic ecosystems	<b>Important</b>	Received 8 'very important', 4 'important', 3 'less important', and 2 'not important' votes.			
Archaeology & Cultural Heritage	Cultural & heritage resources	<b>Important</b>	Received 5 'very important', 5 'important', 4 'less important', and 1 'not important' votes.			
	Archaeological resources	<b>Important</b>	Received 5 'very important', 5 'important', 5 'less important', and 2 'not important' votes.			
Transportation	Effects on airport operations	<b>Important</b>	Received 10 'very important' votes.			
	Effects from truck transport along access roads	<b>Important</b>	Received 10 'very important' and 5 'important' votes.			
Land Use	Effects on current & planned future land uses	<b>Most Important</b>	Received 11 'very important' votes.			
	Displacement of agricultural land	<b>Important</b>	Received 6 'very important', 5 'important', and 4 'less important' votes.			
Economic	Effects on the cost of services to customers	<b>Less Important</b>	Received 5 'very important', 3 'important', 6 'less important' and 3 'not important' votes.			
	Continued service to customers	<b>Less Important</b>	Received 5 'very important', 3 'important', 5 'less important' and 4 'not important' votes.			
	Economic benefit to local municipality	<b>Important</b>	Received 10 'very important', 1 'important', 2 'less important', and 4 'not important' votes.			
	Effects on Residential & Commercial Development	<b>NA</b>	Criteria added from comments submitted at Workshop #1			
	Effects on Property Tax Revenue on the City of Ottawa	<b>NA</b>	Criteria added from comments submitted at Workshop #1			
Social	Visual impact of the facility	<b>Important</b>	Received 6 'very important', 3 'important', and 2 'less important' votes.			
	Local residents	<b>Most Important</b>	Received 12 'very important' and 3 'important' votes.			
	Recreational facilities	<b>Important</b>	Received 10 'very important' and 4 'important' votes.			
Aboriginal	Potential effects on Aboriginal communities	<b>Important</b>	Received 5 'very important' votes, 5 'important', 4 'less important', and 2 'not important' votes.			
Site Design & Operations	Site design & operations characteristics	<b>Important</b>	Received 10 'very important', 2 'important', 3 'less important', and 2 'not important' votes.			

## Summary Tables from Workshop #2 held on April 28, 2011

### Introductory Presentation

- Why are we here helping WM to pick a preferred landfill footprint when we do not agree with a landfill?
- Why is there no consideration of the “do nothing” alternative?
- Other criteria were proposed during the previous workshop. Why were they not added? What were those criteria that were not included?
- Vermin (including crows) was one of these criteria. Why was it not included?
- A list of the proposed and excluded criteria should be provided to the workshop participants.
- Is WM listening to what people are saying? It seems WM is very selective in what they choose to respond to.
- You're not taking the suggestions seriously. There is a whole level of input you're not taking here.
- Some people are not here to voice their concerns and represent their views
- The Workshop should be cancelled since all of the proposed criteria are not being presented.
- The venue for the workshop is inappropriate because of the noise from the fans. WM needs to find a better location. This was a problem at Workshop #1 also. Please find a new venue or provide a PA system.
- WM has censored previous comments received from the community. You whittle down slowly and it is not in good faith.
- Why have some criteria not been excluded such as Aboriginal?
- Where would “vermin” fall under the criteria proposed? Not enough granularity if it is being included under Site Design and Operations. The level of detail is lost at this level. What about crows as a vermin impact?
- How is the information used, e.g. 16 people ranked Air Quality as Most Important out of how many people? What does this really mean?
- What is the importance of completing these rankings? I don't feel that I am an expert to adequately comment on all of these rankings.
- Concerned with how this information will be used. Are the suggestions made here 16 out of 100,000? 16 out of 16? How do you treat this information?
- If the community has a concern, it should be included in the criteria table.
- Why haven't you taken away any of the criteria, such as Aboriginal – it does not apply.
- For the meeting being held next Thursday, present other Criteria and then go on to the rankings.
- We feel we are being rushed through this process. You say, “we hear you” but there is not enough time.
- Will you have all the data on May 5<sup>th</sup>?
- What about a 3<sup>rd</sup> workshop for those people who cannot attend next Thursday?
- The weight on what people say who live closer to the landfill should be viewed as more important than by the total number of suggestions.
- Was there two workshops planned for Workshop #1?
- Next Thursday, will you repeat the same agenda from tonight with the revised data?

### Topic 1: Evaluation Criteria, Indicators and Data Sources

- How is groundwater pollution from the existing landfill site going to be distinguished from the new landfill footprint groundwater pollution?
- Why are Effects on Property Tax not included in the criteria already?
- What waste types are going to be accepted at the site? This is important to understand the potential for pollution of groundwater.
- Need to add more information and detail to the criteria and indicator descriptions for granularity.
- If the magnitude of truck traffic was known, then criteria ranking would be affected. Difficult to rank the importance otherwise.
- What will be done with respect to Cumulative Effects?
- Health of residents should be included under the criteria, “Number of residents”
- Post Closure uses should be included in the criteria discussion
- Property value protection is important and should be included.
- Vermin control should be included
- The indicators seem very poor and do not provide enough detail.

### Topic 2: Comparative Evaluation Methodology

- Is mitigation Best Available Practice only? Can more not be done beyond this?
- Can MOE reduce mitigation commitments made by WM in the EA if they go beyond the standard requirements?
- Is the 6.5 million m3 justified and will it be addressed in the EA? Will all the footprints be the same volume? Can it be discussed publicly?
- In light of new technology can the business case be revisited?

**Workshop Table 1 Evaluation Criteria Rankings**

Very Important	Important	Less Important
<ul style="list-style-type: none"> <li>• Surface Water Quantity</li> <li>• Effects on Current and Planned Future Land Uses</li> <li>• Air Quality</li> <li>• Surface Water Quality</li> <li>• Odour</li> <li>• Local Residents</li> <li>• Groundwater Quality (New/Existing)</li> </ul> <p><b>Moved from Important</b></p> <ul style="list-style-type: none"> <li>• Effects from Truck Transport along Access Roads</li> <li>• Economic Benefit to Local Municipality</li> <li>• Noise</li> <li>• Aquatic Ecosystems (Carbon Sinks)</li> <li>• Terrestrial Ecosystems</li> <li>• Displacement of Agricultural Land*</li> </ul> <p><b>New Criteria</b></p> <ul style="list-style-type: none"> <li>• Groundwater Flow</li> <li>• Vermin (Rats, Gulls, Crows)</li> <li>• Post Closure Uses</li> <li>• Effects on Residential/Commercial Development</li> <li>• Property Value Protection</li> </ul>	<ul style="list-style-type: none"> <li>• Archaeological Resources</li> <li>• Recreational Facilities</li> <li>• Potential Effects on Aboriginal Communities</li> <li>• Cultural and Heritage Resources</li> <li>• Effects on Airport Operations</li> <li>• Site Design and Operations Characteristics</li> <li>• Visual Impact of the Facility</li> <li>• Displacement of Agricultural Land*</li> </ul> <p><b>New Criteria</b></p> <ul style="list-style-type: none"> <li>• Property Tax Revenue for City of Ottawa</li> </ul>	<ul style="list-style-type: none"> <li>• Continued Service to Customers</li> <li>• Effects on the Cost of Services to Customers</li> </ul>

**Workshop Table 2 Evaluation Criteria Rankings**

Very Important	Important	Less Important
<ul style="list-style-type: none"> <li>• Surface Water Quantity</li> <li>• Effects on Current and Planned Future Land Uses</li> <li>• Air Quality</li> <li>• Surface Water Quality</li> <li>• Odour</li> <li>• Local Residents</li> <li>• Groundwater Quality</li> </ul> <p><b>Moved from Important</b></p> <ul style="list-style-type: none"> <li>• Noise</li> <li>• Visual Impact of the Facility</li> </ul> <p><b>New Criteria</b></p> <ul style="list-style-type: none"> <li>• Groundwater Flow</li> <li>• Effects on Residential/Commercial Development</li> <li>• Effects on Property Value</li> </ul>	<ul style="list-style-type: none"> <li>• Archaeological Resources</li> <li>• Recreational Facilities</li> <li>• Potential Effects on Aboriginal Communities</li> <li>• Aquatic Ecosystems</li> <li>• Cultural and Heritage Resources</li> <li>• Effects on Airport Operations</li> <li>• Site Design and Operations Characteristics</li> <li>• Displacement of Agricultural Land</li> <li>• Effects from Truck Transport along Access Roads</li> <li>• Terrestrial Ecosystems</li> </ul>	<ul style="list-style-type: none"> <li>• Continued Service to Customers</li> <li>• Effects on the Cost of Services to Customers</li> </ul> <p><b>Moved from Important</b></p> <ul style="list-style-type: none"> <li>• Economic Benefit to Local Municipality</li> </ul> <p><b>New Criteria</b></p> <ul style="list-style-type: none"> <li>• Effects on Property Tax Revenue for City of Ottawa</li> </ul>

# Appendix B

## Notification Material





## WEST CARLETON ENVIRONMENTAL CENTRE ENVIRONMENTAL ASSESSMENT

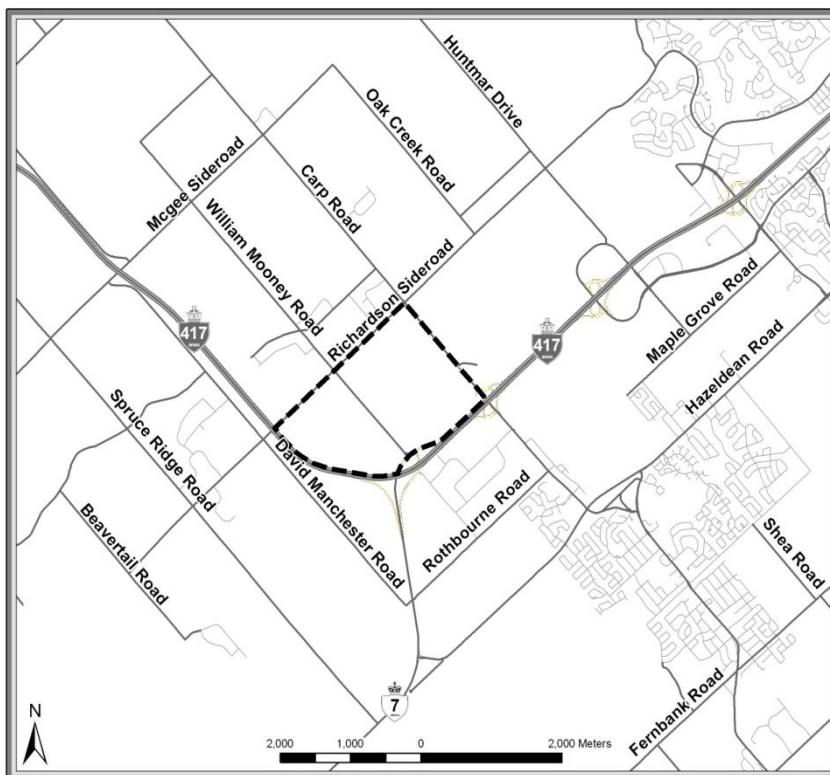
### WORKSHOP #2

Waste Management of Canada Corporation (WM) has recently held two rounds of Public Open House events, as well as a Workshop to discuss the Environmental Assessment (EA) for the proposed landfill footprint and other ancillary facilities to be located at the West Carleton Environmental Centre (WCEC). As a follow up to these public consultation events we will be hosting a second Workshop for stakeholders to discuss this proposed project in greater detail. The workshop is scheduled to take place as follows:

**Thursday, April 28<sup>th</sup>, 2011**  
Kanata Recreation Complex  
100 Walter Baker, Kanata, ON  
**7:00p.m. to 9:00 p.m.**

The WCEC Workshop #2 is designed to provide an additional avenue for consultation with local residents, businesses, agencies and interested stakeholders. This Workshop will be interactive and will offer an opportunity for participants to discuss the comparative evaluation methodology and provide input on the relative importance of evaluation criteria.

**To register, please contact Cathy Smithe at (613) 836-8610 by April 25, 2011**  
**For further information, please visit our website <http://wcec.wm.com>**



WM are undertaking an EA seeking approval for a new landfill footprint at the existing Ottawa Waste Management Facility (Ottawa WMF). The new landfill footprint will be one component of the proposed WCEC.

The proposed WCEC will be an integrated waste management facility that will include:

- A new landfill footprint for disposal of residual waste materials;
- Waste diversion and recycling operations;
- Composting Operations;
- Renewable energy facilities; ; and,
- Recreational lands for community uses.

# Appendix C

## Workshop Display Panels

## EXAMPLE: Alternative Landfill Footprint Option #1 Net Effects Table

Environmental Component	Criteria	Indicators	Potential Effects	Mitigation Measures	Net Effects
Atmospheric Environment	Odour	• Predicted odour emissions.	Odour emissions are predicted to be x.	<ul style="list-style-type: none"> <li>○ Design and Implement odour control (gas collection) at the outset of the project.</li> <li>○ Implement Best Management Practices to ensure odour from disposal is minimized.</li> </ul>	Odour emissions would be reduced to y.
		• Number of off-site receptors potentially affected (residential properties, public facilities, businesses and institutions).	X off-site receptors will be potentially affected.	<ul style="list-style-type: none"> <li>○ Design and Implement odour control (gas collection) at the outset of the project.</li> <li>○ Implement Best Management Practices to ensure odour from disposal is minimized.</li> </ul>	No off-site receptors will be affected.





## EXAMPLE: Comparative Evaluation Table

Environmental Component	Criteria	Indicators	Net Effects			
			Option #1	Option #2	Option #3	Option #4
Atmospheric Environment	Air quality	• Modelled air concentrations of indicator compounds (organics, particulates).	X air concentrations	X air concentrations	X air concentrations	X air concentrations
		• Number of off-site receptors potentially affected (residential properties, public facilities, businesses, and institutions).	No off-site Receptors affected	No off-site Receptors affected	2 off-site receptors affected	No off-site Receptors affected
		Criteria Ranking:	Tied 1 <sup>st</sup>	Tied 1 <sup>st</sup>	2 <sup>nd</sup>	Tied 1 <sup>st</sup>
	Noise	• Predicted site-related noise.	Minimal site-related noise	Minimal site-related noise	Minimal site-related noise	Minimal site-related noise
		• Number of off-site receptors potentially affected (residential properties, public facilities, businesses, and institutions).	No off-site Receptors affected	1 off-site Receptors affected	3 off-site receptors affected	2 off-site Receptors affected
		Criteria Ranking:	1 <sup>st</sup>	2 <sup>nd</sup>	4 <sup>th</sup>	3 <sup>rd</sup>
	Odour	• Predicted odour emissions.	X odour emissions	X odour emissions	X odour emissions	X odour emissions
		• Number of off-site receptors potentially affected (residential properties, public facilities, businesses and institutions).	No off-site Receptors affected	No off-site Receptors affected	2 off-site receptors affected	1 off-site Receptors affected
		Criteria Ranking:	Tied 1 <sup>st</sup>	Tied 1 <sup>st</sup>	3 <sup>rd</sup>	2 <sup>nd</sup>
	Environmental Component Ranking			1 <sup>ST</sup>	2 <sup>ND</sup>	4 <sup>TH</sup>
RATIONALE			Option #1 is ranked as the Preferred Alternative from an Atmospheric perspective as it has the lowest net effect on potential receptors as well as air concentrations, odour and noise emissions.			



Proposed West Carleton Environmental Centre



# Evaluation Criteria Rankings

Most Important	Important	Less Important

