Environment

Waste Management of Canada Corporation

Public Workshop Session #1 Summary Report

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This Statement of Qualifications and Limitations is attached to and forms part of the Report and any use of the Report is subject to the terms hereof.

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1. Introduction

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

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

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

1.1 Objective of the Workshop

The main objectives of Workshop #1 were as follows:

- To provide an opportunity for attendees to comment on the materials presented in Open House #1;
- To review the preliminary baseline environmental conditions within the study area;
- To provide feedback on the proposed Work Plans for the full range of environmental disciplines included in this EA; and
- To review the preliminary evaluation criteria and indicators that will guide the EA and eventual selection of a Preferred Alternative.

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.

Each attendee was given a Workshop Workbook which provided information on these topics and space for recording responses and comments. A copy of the Workbook can be found in **Appendix A**.

1.2 Date, Time and Location of the Workshop

The Workshop took place on Wednesday, May 2, 2012 at the Town of Greater Napanee Fire Hall, 66 Advance Avenue, Town of Greater Napanee. The Workshop commenced at 5:00 p.m. and ran until 8:00 p.m.

Those wishing to attend the Workshop were asked to pre-register. The pre-registration sign-up forms were available at the Open House #1 event in late March. Notification of Workshop #1 was also provided through newspaper publications during the weeks of April 19, 2012 and April 26, 2012, in the *Belleville Intelligencer*, *Kingston Whig*

Standard, *Napanee Guide* and *Napanee Beaver*. In addition, notification was also provided to all interested persons who are on WM's stakeholder distribution list through an E-blast on April 21, 2012, posting on the project website at http://brec.wm.com, and radio advertisements on *88.7 myFM* from April 25, 2012 through May 1, 2012.

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

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 to facilitate discussion and to answer questions:

Table 2-1 Project Team Members in Attendance

WORKSHOP #1	
WM	**Consulting Team**
• Tim Murphy • Randy Harris • Linda Cooper	**AECOM** • Blair Shoniker

3. Information Presented

Information presented at the Workshop was in the form of a brief introduction by WM as well as workbooks distributed to all attendees. As mentioned above, the workbooks were broken down into the following topics:

1. Preliminary Baseline Conditions in the Study Area;
2. Discipline Work Plans; and
3. Evaluation Criteria.

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.

Given the number of attendees at the Workshop, the participants remained as one group for the duration of the session, rather than breaking out into smaller groups. The participants were walked through the workbook, starting with a review of the Preliminary Baseline Conditions in the Study Area, before turning to the proposed Work Plans and then Evaluation Criteria.

4. Attendance

A total of 12 people attended the Workshop including adjacent property owners, 1 media representative, 1 Mayor, 1 former Deputy Mayor and 1 Councillor. Details about the session 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 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 #1

The format of Workshop #1 allowed for productive dialogue between the attendees and the project team. Attendees provided input to the preliminary baseline conditions, specifically focusing on issues relating to Hydrogeology, Surface Water, Transportation, Cultural and Heritage Resources and Socioeconomic (specifically visual impacts) baseline conditions. The focus of discussion concerning the Work Plans and Evaluation Criteria also largely related to these issues. A summary of comments received is presented in **Section 5** of this report.

5. Summary of Comments Received

For Workshop #1, comments were gathered as follows:

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

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

Table 5-1 Comments from Workshop

Comment/Issue/Question	Response from Project Team
General Comments	
• Would like to see a liner for the old landfill, but understand that this will not be put forward by WM. • Not necessarily in favour of a landfill but do not like passing on problems to others. Nobody wants it but it has to go somewhere. • Had their well tested independently, said it was "undrinkable" but not because of the landfill, because of cattle in the area. • You should try to get the Council and the Mohawks to sit on the CLC or PAC. • A TAGA unit survey was conducted in summer 2009. • Neighbour says she can smell gas, but I don't. • Where is the new footprint, if it was to happen tomorrow? • The whole area will not be a landfill, correct? • Have peer reviews been completed already? • How long has this been going on for? • Any areas which are "no-go"? • Will the existing landfill shrink? • We are running out of options, running out of capacity in Ontario. • With a liner, you should be able to build anywhere. • Organic materials would be reused to rehabilitate agricultural land and use organic compost for rehab.	• WM must identify conditions if "nothing" went forward (i.e. the new project). • Speaks to prediction, difference between the Do Nothing and the proposed facility. • We continue to try to engage the MBQ. • A decision on a new footprint has not yet been made. Footprint options will be developed at a subsequent stage of the EA. • The entire area will not be for a footprint option. • Peer reviews were completed on the existing reports and studies completed as part of the previous EA • This has been happening since 1998 • Through the constraints mapping exercise, "no-go" areas will be identified. Some are already marked off (i.e. the wetland to the northwest of the study area). • Closed landfills typically settle within the first couple of years and the first year is around 3 feet.
Existing Conditions	
• Concern with respect to the Wetland area to the northwest. • Empey Hill Church used to be the highest building in the area. • There was some odour from the landfill, but not lately since flares were put in. • Makes sense in terms of proximity to Highway 401. • Effects should be minimized as much as possible. • Should be away from wetlands and houses on Selby and traffic along Deseronto Road. • Do you own all of the property within the red line? • Doubts the Church will still be around in next 10 years. • Surface water in the northeast drains and is not flowing all year round. • The lagoons in the area, how are these captured in the existing conditions? • Look at hydrogeology on-site, property boundaries and off-site. • Groundwater study and flows, how does this affect the placement of the landfill?	• With respect to the wetland, our team will be going out to investigate the habitat within the wetland as well as delineate the extent of the wetland boundaries. • Yes, WM owns all of the property within the red lines. • The Church will be considered for a variety of reasons, use, cultural heritage feature etc. • Other cultural heritage features may be the cedar rail fences. • The majority of surface water features in the Study Area are agricultural drains, but this will all be confirmed during the existing conditions phase. • With respect to the lagoons, we will need to document to some degree in order to show how they affect or influence the existing conditions / is there an impact already / do they contribute to background levels etc. • Source water protection will review natural surface water features and man-made. The interaction between surface water and groundwater will also be presented.

Comment/Issue/Question	Response from Project Team
Work Plans	
• Cumulative effects inclusion is showing that WM is considering broader effects. • Recent updated Town Official Plan compatible with BREC development. • Ensure employment services are characterized for spin-off uses.	• Need to determine the flow, quantity etc. This will factor into our existing conditions description to the site.
Criteria and Indicators	
• Need to consider airports and helicopter flight paths. • Sight lines on Deseronto Road and Highway 401 interchange and roadway. • North of hydro line entrances. • Seismic activity and site design and comparison to Building Codes ideas. • Has official plan considered potential development of BREC in the future during Official Plan period? • Other G2 liners and experiences of landfills using G2 liner systems now. • Need to consider Federal set-back requirements. • Predicted groundwater volume, flow, quality and quantity in study area. • Alternate routes to site if Highway 401 is closed or interchange is closed (prior EA). • Use and enjoyment of property. • Ratio of airspace economics is internal and why this is an issue? • What sort of buffer do you need to put around the wetlands to the northwest? • Does significance of the wetland change the compliance parameters? • What are you using for height and shape? • I would prefer to see a landfill closer to the existing site, but science should show where it should go. • New location would be better than current location in the centre of the block area. • Closer to Highway 401 would be better for trucks. • Landfill liner system design needs to be considered in assessment. • Look at employment of an advanced educated workforce locally and mixture of employment options.	• Atmospheric concerns will be addressed through a specific criteria relating to emissions and odour. • Once the wetland function has been delineated, we will be able to determine the appropriate buffer. It is currently an “unevaluated” wetland, but recent changes to Napanee’s Official Plan, coupled with our review, may change this. • We are using the height of the existing landfill as the maximum.

As of July 13, 2012, one Workshop Workbook has been received. Responses to the questions in the Workbooks are provided in the tables that follow.

Table 5-2 Public Input to Workbook Questions

Topic 1: Preliminary Baseline Conditions	
1. Comments on features to be considered when assessing the existing conditions.	• Focus on the protection of the natural environment first and foremost primarily the groundwater risks and risks to the wetland area in the northwest corner of the site. • The traffic discussion and reference to truck turnaround time should be of little consequence (driving to the far corner would be an extra 2-5 km), pretty minimal compared to an hour or two coming from a neighbouring municipality. • I would like to see more consideration given to a 'worst case' scenario i.e., major liner tear and leak, where setbacks from property lines and retention/attenuation time may become more of a relevant factor, in the risk/severity of offsite impacts occurring, especially considering the potential contaminating lifespan. • In terms of groundwater detection I have seen some recent discussions regarding the characteristics of the plume being 'fingerlike' (low amounts of diffusion/dispersion relative to bulk flow). How do these characteristics affect the ability to monitor/detect any potential plumes?

Topic 2: Work Plans	
2. Comments on key issues to be considered in each Work Plan.	• Manage onsite groundwater as well as offsite • Are there natural variatem / transient populations of aquatic biota that may not be detected on a short term sampling program • Consideration of a private road on site entrance to landfill from Beechwood Road in an attempt to decouple traffic from the Empey hill. • Socio-economic consideration of environmental enjoyment and potential risk to environment as a whole. • For economic benefits limit the inclusion to those based in the community versus those jobs based in other cities (i.e., engineering work done offsite), reasoning being these jobs are created irrespective of landfill location (environmental assessment should really exclude economics on principle)

Topic 3: Evaluation Criteria	
3. Comments on key criteria and indicators for evaluation.	• N/A

Appendix A

Workshop Workbook

Environmental Assessment for a New Landfill Footprint at the Beechwood Road Environmental Centre (BREC)

Workshop #1:
Existing Conditions & Constraints, Work Plans, and Evaluation Criteria & Indicators

May 2, 2012

WASTE MANAGEMENT

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: _____

Overview of Workshop #1 – Purpose & Expectations

The purpose of today's workshop is to:

- Provide an opportunity for you to comment on the materials presented in Open House #1 (held on Wednesday, March 28);
- Review the preliminary baseline environmental conditions within the study area;
- Provide feedback on the proposed Work Plans for the full range of environmental disciplines included in this Environmental Assessment (EA); and
- Review the preliminary evaluation criteria and indicators that will guide the EA and eventual selection of a Preferred Alternative.

Accordingly, the remainder of this workbook is structured as follows:

- Existing Conditions & Constraints;
- Work Plans; and
- Evaluation Criteria.

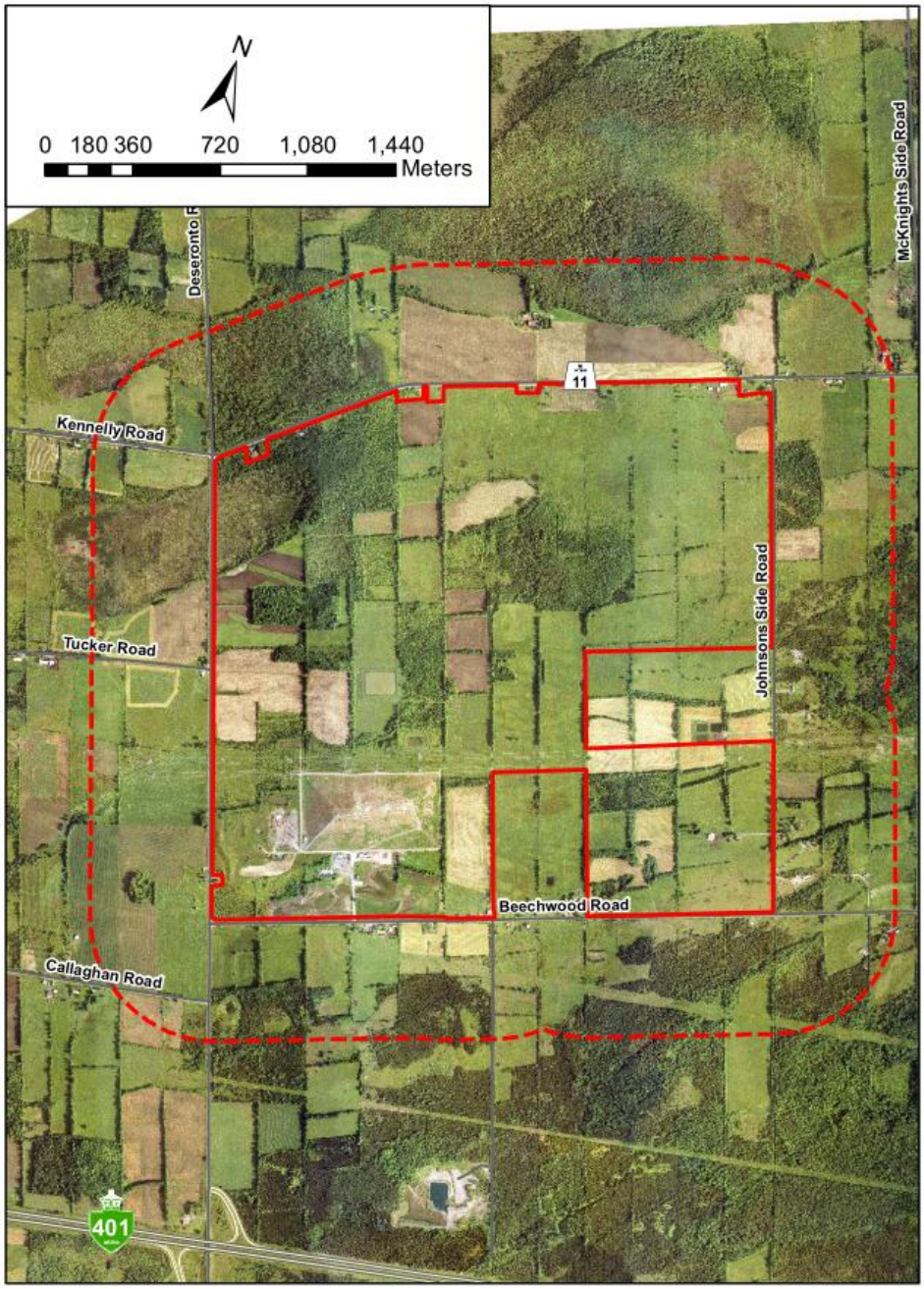
At the end of each section you will be invited to provide your own comments on the materials presented. This is your opportunity to raise any issues, concerns or further suggestions you may have on these specific elements of the study.

It is our expectation that this workshop will provide a forum for structured discussion and will provide a key opportunity for meaningful input which will be used to inform the future development of the study.

Existing Conditions & Constraints

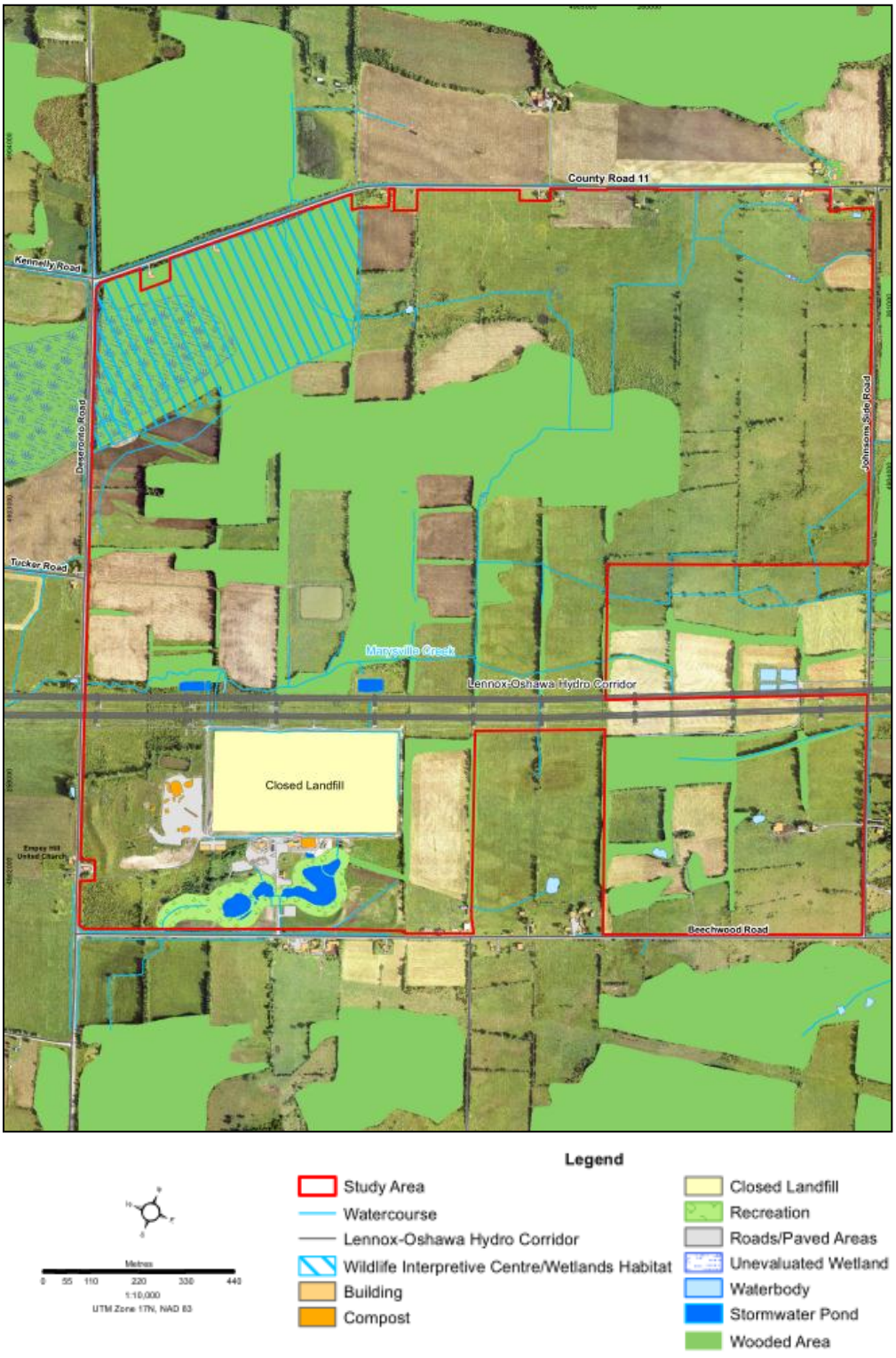
Study Area

The map presented below shows the Study Area identified in the approved Terms of Reference (ToR), within which Alternative Methods will be identified. The Study Area is bounded by Beechwood Road on the south, Deseronto Road on the west, County Road 11 on the north and Johnsons Side Road on the east.



Constraints Mapping

Constraint mapping was used to determine the preliminary land envelopes within the lands owned and optioned by WM for the possible location of the proposed alternative landfill footprints.



Baseline Conditions

A preliminary description of the existing environment at the BREC was described in the approved ToR.

The EA will address the following components of the environment that may be affected by the alternative methods of carrying out the undertaking:

- Atmosphere;
- Geology and Hydrogeology;
- Surface Water;
- Biology;
- Cultural & Heritage Resources;
- Transportation;
- Land Use;
- Agriculture;
- Socio-economic;
- Aboriginal; and
- Site Design & Operations.

Data for the EA will be collected and analyzed for three study areas:

- **On-Site** – the lands owned and/or optioned by WM for the proposed new landfill;
- **Site Vicinity** – the lands in the vicinity of the Site extending about 500 m in all directions; and
- **Regional** – the lands within about 25 km of the Site for the Socio-economic environment.

During the EA, the project team will collect information and conduct studies (desktop and field) to describe the environmental components listed above that may be affected by the Undertaking. This will be done for each of the Alternative Methods (alternative footprints) identified.

1. Comments on features to be considered when assessing the existing conditions:


N
0 180 360 720 1,080 1,440
Meters

Work Plans

Proposed Work Plans

The following tasks are outlined in the proposed work plans:

Task 1.....Identify Alternative Methods for New Landfill Footprint
Task 2.....Describe Environment Potentially Affected
Task 3.....Identify Mitigation Measures to be Incorporated in the Design of Each Alternative
Task 4.....Predict Environmental Effects for Each Alternative
Task 5.....Refine Mitigation Measures and Determine Net Effects
Task 6.....Compare Alternatives
Task 7.....Identify Preferred Alternative and Detailed Assessment
Task 8.....Conduct Cumulative Effects Assessment
Tasks 9 to 12.....EA Documentation

Proposed work plans for the individual technical disciplines are available for review at this Workshop.

Work Plan Outlines

The EA will address the following components of the environment that may be affected by the alternative methods of carrying out the undertaking:

Atmosphere

- Modelled air concentrations of indicator compounds (organics, particulates);
- Predicted site-related noise;
- Predicted odour emissions; and
- Number of off-site receptors potentially affected (residential properties, public facilities, businesses and institutions).

Geology and Hydrogeology

- Predicted effects to groundwater quality at property boundaries and off-site.

Surface Water

- Predicted effects on surface water quality on-site and off-site; and
- Change in drainage areas; and
- Predicted occurrence and degree of off-site effects.

Biology

- Predicted impact on vegetation communities due to project;
- Predicted changes in water quality;
- Predicted impact on wildlife and aquatic habitat due to project; and
- Predicted impact of project on vegetation and wildlife including rare, threatened or endangered species, and on aquatic biota.

Cultural & Heritage Resources

- Cultural and heritage resources on-site and in vicinity; and
- Significance of on-site archaeology resources potentially displaced/disturbed.

Transportation

- Bird strike hazard to aircraft in local Study Area;
- Potential for traffic collisions;
- Disturbance to traffic operations; and
- Proposed road improvement requirements.

Land Use

- Current land use;
- Planned future land use; and
- Type(s) and proximity of off-site recreational resources, and off-site sensitive land uses (i.e. dwellings, churches, cemeteries, parks), within 500m of landfill footprint potentially affected.

Agriculture

- Current land use;
- Predicted impacts on surrounding agricultural operations; and
- Type(s) and proximity of agricultural operations (i.e. organic, cash crop, livestock).

Socio-Economic

- Ratio of air space achieved to volume of soil to be excavated and area of cell base and leachate collection system to be constructed;
- Total optimized site capacity and site life;
- Employment at site (number and duration);
- Opportunities to provide products or services;
- Predicted changes in perceptions of landscapes and views;
- Number of residents; and
- Type(s) and proximity of off-site recreational resources within 500m of landfill footprint potentially affected.

Aboriginal

- Potential effects on use of lands for traditional purposes.

Site Design & Operations

- Complexity of site infrastructure; and
- Operational flexibility.

2. Comments on key issues to be considered in each Work Plan:

Evaluation Criteria

Preliminary Evaluation Criteria and Indicators

Preliminary Evaluation Criteria and Indicators were outlined in Appendix B of the approved ToR and may be broadly grouped into Environmental components. These criteria form the basis for characterizing existing environmental conditions, for assessing potential adverse effects of the Undertaking, comparing Alternative Methods, and help to identify a preferred alternative.

Environmental Criteria	
Atmosphere	Air quality, Noise, Odour
Geology & Hydrogeology	Groundwater quality, Groundwater flow
Surface Water	Surface water quality, Surface water quantity
Biology	Terrestrial ecosystems, Aquatic ecosystems
Cultural & Heritage Resources	Cultural landscape, Built heritage, Archaeological resources
Transportation	Effects on airport operations, Effects from truck traffic along access roads
Land Use	Effects on current and planned future land uses
Agriculture	Effects on agricultural land and agricultural operations
Socio-economic	Effects on the cost of services to customers, Continued service to customers, Economic effects to local municipality, Effects on recreational resources, Visual impact of the facility
Aboriginal	Potential effects on aboriginal communities
Site Design & Operations	Site design and operations characteristics

A full description of the Criteria, Indicators, Rationale for their selection and Data Sources are available for comment at this Workshop.

3. Comments on key criteria and indicators for evaluation:

Appendix B

Notification Material

Waste Management of Canada Corporation (WM) Environmental Assessment for a New Landfill Footprint at the Beechwood Road Environmental Centre (BREC)

CONSULTATION PROGRAM NEXT STEPS

OPEN HOUSE #1

Open House #1 was held on March 28th, 2012 to provide an overview of the approved Terms of Reference (ToR) and proposed Environmental Assessment (EA). Open House #1 materials, including display boards, comment form, and event summary report, are now available on the project website (http://brec.wm.com) for review.

WORKSHOP #1

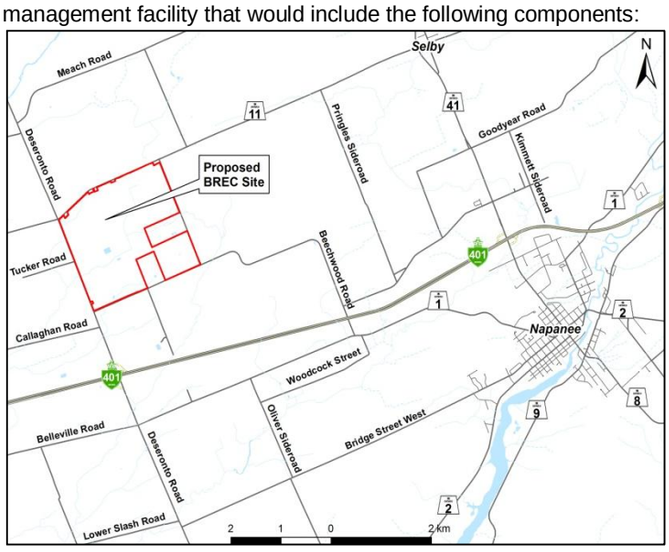
Workshop #1 is scheduled for **Wednesday, May 2nd, 2012, 5 PM to 8 PM,** at the **Town of Greater Napanee Fire Hall,** located at **66 Advance Avenue, Town of Greater Napanee.** All participants should park at the rear and west side of the building and enter through the rear door.

Workshop #1 will provide participants with an opportunity to comment on material presented in Open House #1, including preliminary baseline conditions, proposed Work Plans, and preliminary evaluation criteria and indicators.**To register, please contact Linda Cooper at (613) 388-1057 or** lcooper1@wm.com **by April 30th, 2012.**

WORK PLANS

In accordance with the approved ToR, WM is conducting "early consultation" on Work Plans for the EA. The Work Plans outline the tasks required to complete the EA, including the scope of technical studies for each environmental component. The Work Plans will be available for review for a period of 30 days from April 20th to May 20th on our project website (http://brec.wm.com). **WM requests that stakeholders provide any comments on the Work Plans by email to** lcooper1@wm.com **or by mail or drop-off to Waste Management of Canada, RR#6, 1271 Beechwood Road, Napanee, Ontario, K7R 3L1 by May 20th, 2012 for consideration in the EA.**

WM is undertaking an EA for a new landfill footprint at the proposed BREC. The BREC would be an integrated waste management facility that would include the following components:



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

The new landfill footprint is the only component of the BREC that requires EA approval under the *Environmental Assessment Act* (EAA). The EA will be conducted in accordance with the ToR, approved by the Minister of the Environment. The proposed location of the BREC and the new landfill footprint component is within the Town of Greater Napanee in the area shown on the map below. The purpose of the EA is to study the potential environmental effects (positive or negative) of the proposed new landfill footprint on the environment. Key aspects of the EA process include: consultation with the public, Aboriginal communities and government agencies; consideration and evaluation of alternatives; and, assessment and management of potential environmental effects. Conducting an EA promotes good environmental planning before decisions are made about a proposal.

Consultation

Members of the public, Aboriginal communities, government agencies, and other interested persons are encouraged to actively participate in the EA process.

You are invited to submit your comments via the project website (http://brec.wm.com), mail, email or fax to the address/number published below. We will also receive your comments on our project information line at (613) 388-1057.

Randy Harris
Site Manager
Waste Management of Canada
RR#6, 1271 Beechwood Road
Napanee, Ontario, K7R 3L1
Fax: (613) 388-2785
E-mail: rharris@wm.com

Linda Cooper
Community Relations Representative
Waste Management of Canada
RR#6, 1271 Beechwood Road
Napanee, Ontario, K7R 3L1
Fax: (613) 388-2785
E-mail: lcooper1@wm.com

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.

Get Involved….Have Your Say!