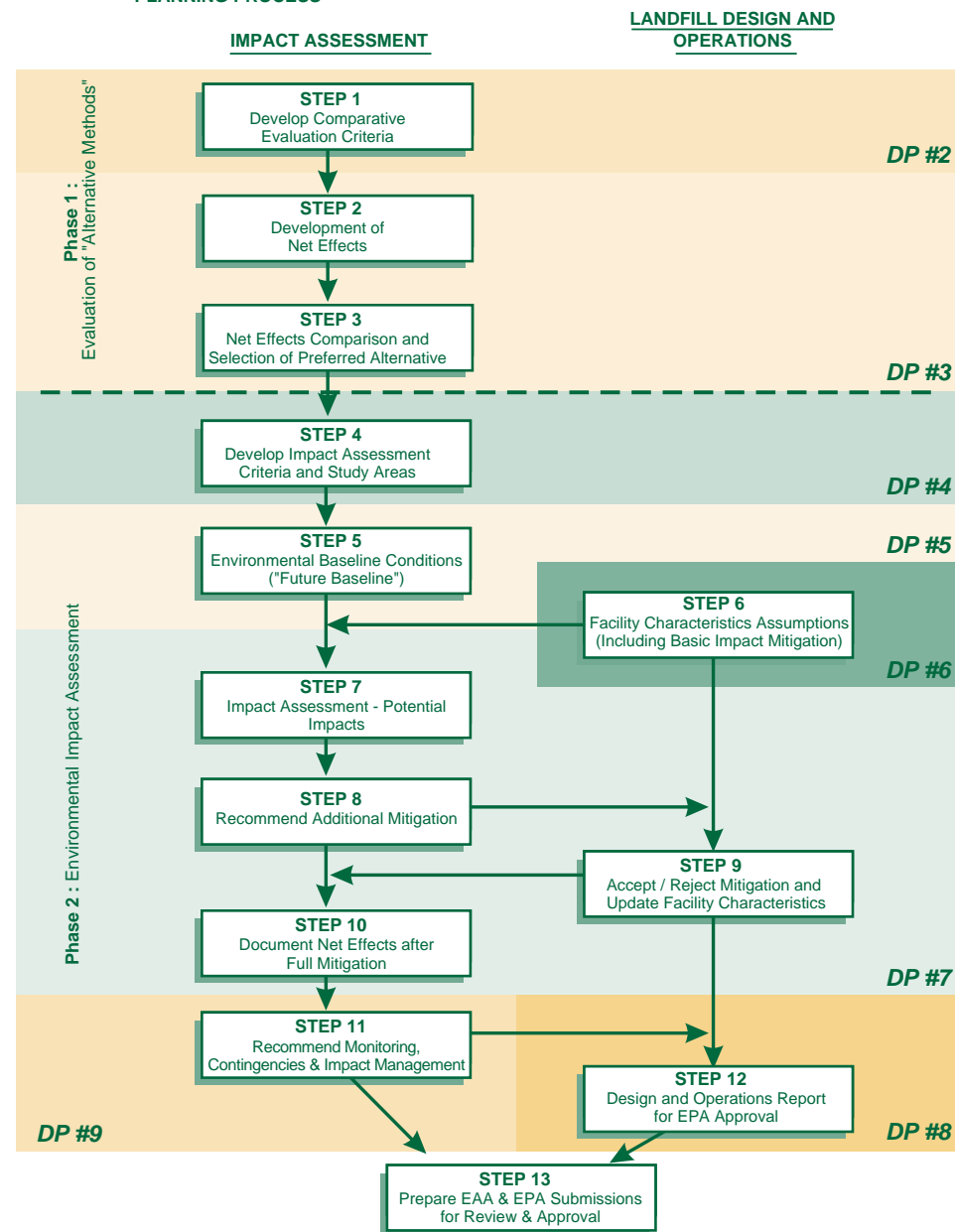


## THE EA PROCESS

FIGURE 1: ENVIRONMENTAL ASSESSMENT PLANNING PROCESS



### Who to Contact...

If you would like more information on the proposed expansion, please call the toll-free Warwick landfill information line at 1-800-555-3561 or for additional information or to discuss the public consultation program, please contact:

**Peter Homenuck**  
 IER Planning, Research and Management Services  
 7501 Keele St., Suite 300  
 Concord, ON L4K 1Y2  
 Fax: (905) 660-7812  
 E-mail: phomenuck@dpra.com

To discuss CWS' proposed landfill expansion, you may also wish to contact:

**Kevin Bechard**  
 Divisional Vice-President  
 Facility Development  
 Canadian Waste Services  
 3525 Mavis Road  
 Mississauga, ON L5C 1T7  
 Phone: (905) 615-8800 Ext. 23  
 Fax: (905) 615-1113  
 E-mail: kbechard@wm.com

If you have questions or comments on the day-to-day operations of the Warwick landfill site, contact:

**Reid Cleland**  
 Landfill Manager  
 Warwick Landfill  
 8039 Zion Line, R.R. #4,  
 Watford, ON N0M 2S0  
 Phone: (519) 849-5810  
 Fax: (519) 849-5811  
 E-mail: rcleland@wm.com

# WARWICK LANDFILL EXPANSION THE ENVIRONMENTAL ASSESSMENT PROCESS

The environmental assessment (EA) for the proposed Warwick landfill expansion is continuing. As Canadian Waste Services (CWS) proceeds with the studies, it is committed to keep local municipalities, the public, community interest groups and government agencies informed throughout the EA. This is the fourth in a series of newsletters that CWS will distribute as the EA process continues. To receive the earlier EA newsletters, or those distributed during the development of the Terms of Reference, please call the toll-free Warwick landfill information line at 1-800-555-3561.

### EA UPDATE

CWS is continuing with the EA studies. You may have seen a number of discussion papers that have been prepared by CWS. The next discussion papers to be released will be Discussion Paper #5: Baseline Conditions and Discussion Paper #6: Facility Characteristics Assumptions.

#### WHY ALL THE DISCUSSION PAPERS?

As CWS proceeds with the EA studies, it has committed to fully involve local municipalities, the public, the Environmental Assessment Study Group (EASG), community interest groups, the peer review team and government agencies throughout the EA. As part of the EA, discussion papers are being developed. Rather than simply publishing an Environmental Assessment report at the end of the process, CWS decided that consultation with the public, stakeholders and government agencies would be more effective if a series of discussion papers were issued as the EA progressed. The discussion paper process assists in making a complicated EA process more manageable. The discussion papers are being released throughout the process, allowing an ample amount of time for all interested parties to review and discuss the materials presented in each discussion paper.

#### Discussion papers are prepared in 3 steps:

1. A draft discussion paper is provided for review by the public, stakeholder groups, peer review team, government agencies and the EASG.
2. Input on the draft discussion paper is received and recorded.
3. A final discussion paper is issued that includes all comments received and CWS responses.

Each discussion paper describes the methodology (how studies will be conducted) or the analysis (results of the studies). This gives all participants an opportunity to provide their input at the time when important decisions are being made.

CWS and its consultants identified a list of nine discussion papers at the beginning of the environmental assessment process.

- #1 - The Proposed Public Consultation Program
- #2 - Proposed Criteria and Indicators for the Assessment of Alternatives
- #3 - Comparative Evaluation of Alternatives – The Preferred Alternatives
- #4 - The Impact Assessment Process
- #5 - Baseline Conditions
- #6 - Facility Characteristics Assumptions
- #7 - Detailed Impact Assessment
- #8 - Conceptual Design and Operations Plan
- #9 - Impact Management Plan

- Each discussion paper is related to one or more steps in the EA. Figure 1 on Page 4 shows the relationship of each discussion paper to the steps in the EA Process.
- Discussion Paper #1 on the public consultation plan is the exception – it is related to all the steps in the EA process.

### UPCOMING CONSULTATION EVENTS

As the EA process continues there will be many opportunities to discuss and comment on the discussion papers or the EA process in general.

#### How Can I Review the Discussion Papers?

- When a discussion paper is released to the public, the public review process begins.
- An advertisement will be placed in the local papers indicating that the paper is available; the advertisement will also indicate when the comment period ends.
- In many cases, a newsletter announcing the release of the discussion paper, and summarizing its content, is sent to the project mailing list, and is also distributed via Canada Post to 1,895 households in the Township of Warwick.
- Call the toll-free information line to request a copy of the discussion paper (1-800-555-3561).
- You may obtain a copy of all discussion papers at:
  - The Township of Warwick Municipal Office
  - The Watford Library
  - The Warwick Landfill Office

Comments on all discussion papers are to be provided to  
**IER Planning, Research and Management Services**  
 7501 Keele St., Suite 300, Concord, ON L4K 1Y2  
 Fax: (905) 660-7812, E-mail: phomenuck@dpra.com

#### Attend an Open House/Workshop

- An open house is an informal event to encourage people to drop in to obtain information and ask questions. At the open houses there are display presentations, complemented by handout materials of relevant EA materials.
- A workshop provides an opportunity for people to work in small groups to discuss particular topics related to the EA.
- There will be an open house or workshop planned to coincide with the introduction of the discussion papers.
- At the open houses/workshops, consultants are available to discuss the contents of the papers or answer your questions regarding the EA process.

#### Attend an Environmental Assessment Study Group Meeting

The Environmental Assessment Study Group (EASG) is comprised of representatives from major stakeholder groups in the community and some members from the general public. A member of the Township of Warwick peer review team attends the EASG meetings. The EASG plays an active role in the ongoing work during the EA process, reviewing documents and providing advice/comments to CWS. All interested residents are invited to attend the EASG meetings. Watch local papers for a notice of the next EASG meeting.

## NEXT STEPS – What can I do?

We encourage you to review the draft discussion papers as they become available and provide us with your comments.

- Discussion Paper #3: Comparative Evaluation of Alternatives – The Preferred Alternatives is in the process of being finalized and will be available early summer after all comments have been reviewed.
- Discussion Paper #4: Impact Assessment Process will also be finalized this summer.
- Draft Discussion Paper #5: Baseline Conditions will be available for review early summer.
- Draft Discussion Paper #6: Facility Characteristics Assumptions will also be available for review early summer.

Watch your local newspaper for the availability of the draft discussion papers, the final discussion papers and an advertisement for the upcoming open house!



## THE DISCUSSION PAPER PROCESS

The discussion papers are intended to deal with the EA methods and analysis in a clear, understandable way. Some of the discussion papers deal with approach and explain how the work will be done. These 'methodology' discussion papers provide opportunities to comment before any EA work is undertaken. Other discussion papers deal with the results of the analysis – what the impacts are projected to be if the project is approved. These 'analysis' discussion papers provide opportunities for comment at the draft stage – before the analysis is finalized.

### Methodology Discussion Papers include:

- Discussion Paper #1 – The Proposed Public Consultation Program
- Discussion Paper #2 – Proposed Criteria and Indicators for the Assessment of Alternatives
- Discussion Paper #4 – The Impact Assessment Process

### Analysis Discussion Papers include:

- Discussion Paper #3 – Comparative Evaluation of Alternatives – The Preferred Alternatives
- Discussion Paper #5 – Baseline Conditions
- Discussion Paper #6 – Facility Characteristics Assumptions
- Discussion Paper #7 – Detailed Impact Assessment
- Discussion Paper #8 – Conceptual Design and Operations Plan
- Discussion Paper #9 – Impact Management Plan

## What are the topics presented in each discussion paper?

### 1 PROPOSED PUBLIC CONSULTATION PROGRAM

The first discussion paper is on public consultation. It is a description of the consultation program that CWS proposes to carry out during the EA. It includes:

- Public consultation principles;
- Indication of the key stakeholders;
- The discussion paper review process; and
- The proposed public consultation activities.

The activities may change throughout the process.

**Status:** *This discussion paper has been finalized (July 2001), but comments on the consultation program are welcome throughout the process.*

### 2 PROPOSED CRITERIA AND INDICATORS FOR THE ASSESSMENT OF ALTERNATIVES

The second discussion paper includes a description of the alternatives and how the alternatives will be evaluated. The alternatives discussed are:

- The treatment of leachate;
- Proposed haul route;
- The landfill footprint; and
- The end use.
- A list of criteria was identified, to be used in a comparative analysis to differentiate between the alternatives.
- The list of the criteria that CWS developed is intended to cover all of the possible environmental impacts that could be associated with the alternatives.
- Indicators for each criterion are also described. (Criteria tend to be more general, while indicators are specific elements that can be measured or determined in some way).

This discussion paper does not determine the acceptability of the alternatives; only what components will be used in the design of the proposed expansion.

**Status:** *This discussion paper has been finalized (November 2001).*

### 3 COMPARATIVE EVALUATION OF ALTERNATIVES – THE PREFERRED ALTERNATIVES

The third discussion paper includes the results of the comparison of the alternatives that were identified in Discussion Paper #2.

- The evaluation criteria used on the alternatives in DP#2 were applied to determine one or more preferred alternative(s).
- At a workshop in November 2001, participants spent an evening providing their input on the relative importance of the criteria and indicators to be used for deciding among the alternatives.
- Each of the alternatives was compared according to the specified criteria and indicators. The preferred alternative(s) were identified with consideration of the values expressed at the workshop.
- This discussion paper includes a description of the methodology, results of the public workshop and the preferred alternatives.

**Status:** *This discussion paper is available in draft form and will be finalized after all comments have been received.*

### 4 IMPACT ASSESSMENT PROCESS

The fourth discussion paper marks the beginning of the detailed impact assessment phase of the EA. It establishes the process that will be used for determining any effects that may be caused by the proposed expansion.

This discussion paper also:

- Establishes the criteria to be used in the process;
- Identifies the study areas and the study methods for each specific discipline;
- Develops 'indicators' (or sub-criteria) for the impact assessment. (The indicators are elements that can be taken to measure changes or potential impacts for each of the determined criteria. Whenever possible, the indicators are based on regulations, industry standards and guidelines and professional judgement of the consultants applying them based on the experience they have gained from other similar projects); and
- Provide technical work plans from each discipline.

**Status:** *This discussion paper is available in draft form and will be finalized after all comments have been received.*

### 5 BASELINE CONDITIONS

The fifth discussion paper includes a description of the current conditions in the landfill study areas and the future conditions in each of the study areas if the proposed landfill expansion did not occur. The study areas are described from the perspectives of the different disciplines. The disciplines include:

- Agricultural Impacts
- Air Quality
- Archaeological and Heritage
- Economics
- Hydrogeology and Geotechnical
- Land Use Planning
- Natural Environment
- Noise
- Social Impact Assessment
- Transportation
- Visual

- The information in this discussion paper will be used in conjunction with that in Discussion Paper #6 – Facility Characteristics to perform the detailed impact assessment in Discussion Paper #7.

**Status:** *Soon to be released. Watch for a notice in local papers!*

### 6 FACILITY CHARACTERISTICS ASSUMPTIONS

The sixth discussion paper presents a preliminary set of the characteristics of the landfill site if the proposal to expand the current Warwick Landfill Site is approved. These facility or landfill site characteristics will describe:

- The basic design and operating elements for the landfill expansion. The characteristics will describe more specifically the landfill footprint, heights and buffers, maximum capacity, annual fill rate, leachate treatment options, haul route, gas control system and end uses.

**Status:** *To be developed*

### 7 DETAILED IMPACT ASSESSMENT

The seventh discussion paper will present the results of the detailed impact assessment. This paper will provide answers to the many questions that people have been asking including concerns such as increased traffic, noise, dust and water quality.

- The discussion paper will predict what environmental effects could result if the expansion of the current landfill site is approved.
- If negative effects were identified, the impact assessment team would investigate and recommend additional mitigation measures to reduce or eliminate the impacts.

**Status:** *To be developed*

### Status of the Discussion Papers

<b>Discussion Paper #1:</b> Proposed Public Consultation Program	Finalized
<b>Discussion Paper #2:</b> Proposed Criteria and Indicators for the Assessment of Alternatives	Finalized
<b>Discussion Paper #3:</b> Comparative Evaluation of Alternatives – The Preferred Alternative	Currently being reviewed
<b>Discussion Paper #4:</b> Impact Assessment Process	Currently being reviewed
<b>Discussion Paper #5:</b> Baseline Conditions	Soon to be released
<b>Discussion Paper #6:</b> Facility Characteristics Assumptions	To be developed
<b>Discussion Paper #7:</b> Detailed Impact Assessment	To be developed
<b>Discussion Paper #8:</b> Conceptual Design and Operations Plan	To be developed
<b>Discussion Paper #9:</b> Impact Management Plan	To be developed

### 8 CONCEPTUAL DESIGN AND OPERATIONS PLAN

The eighth discussion paper is a summary of the design and operations plan for the proposed landfill site.

- It builds on the landfill facility characteristics that were described in Discussion Paper #6.
- It will include further details on the characteristics, incorporating any mitigation measures from Discussion Paper #7.

**Status:** *To be developed*

### 9 IMPACT MANAGEMENT PLAN

This discussion paper includes a description of the impact management plan for any possible net effects that may be caused from the proposed landfill expansion.

- The net effects are those effects that are likely to remain after all reasonable mitigation has been built into the design and operations plans for the landfill expansion.
- This discussion paper will also include a discussion of the proposed Community Commitments Agreement (see below for more information).

**Status:** *To be developed*

## THE COMMUNITY COMMITMENTS AGREEMENT

### How can we be sure that CWS will meet its commitments?

CWS indicated before beginning the environmental assessment for the Warwick Landfill expansion its intent to negotiate a series of commitments with the community which will be described in a Community Commitments Agreement (CCA).

### Who will be negotiating this agreement?

The Township of Warwick and CWS will be negotiating the agreement. The views of the landfill neighbours as well as other members of the public, EASG and other stakeholders will be taken into account in the negotiations.

### Why do we need a Community Commitments Agreement?

CWS is committed to meeting or exceeding government regulatory requirements relating to environmental protection and financial assurance regarding site operation. The CCA will go further toward providing for positive relations with the community. Measures in the CCA will be identified to:

- prevent or reduce potential negative effects;
- monitor environmental effects and deal effectively with unanticipated effects;
- provide for communication and problem solving protocols;
- compensate for unavoidable negative effects;
- provide benefits to the community that are not directly related to landfill operations; and
- describe the process for confirming and implementing the end use of the site.

### How can I get involved?

Discussions about the CCA were initiated during the development of the Terms of Reference (ToR). CWS and their consultants will conduct formal consultations with project stakeholders and the public in the near future. Watch for upcoming advertisements in local papers and project newsletters!