



WASTE CONNECTIONS  
OF  
CANADA

# Welcome

## Navan Waste Recycling and Disposal Facility Terms of Reference for the Environmental Assessment of the Landfill Continuation

Open House #1

February 11, 2026



## Why Are We Here?

- We are committed to keeping our neighbours and the broader community informed about our operations and future plans at the Navan Waste Recycling and Disposal Facility.
- Here you can learn about the proposed continuation of the landfill and how you can be involved and stay informed.
- Waste Connections of Canada staff and waste management consultants are available to answer any questions you may have as you read the presentation boards.

**We hope you find the event informative**

# About Waste Connections of Canada Inc.

- Waste Connections of Canada Inc. (WCC) is a leading provider of comprehensive waste management services in Ontario as well as across Canada.
- We have earned a highly valued reputation for environmental protection, waste diversion and recycling and development of renewable energy projects.
- We are committed to environmentally responsible management practices.
- WCC's operations support economic and housing development initiatives across the Ottawa region, including major projects such as the recent O-Train Extension.
- WCC is a growing company that employs over 150 people in the City of Ottawa.

## What is an Environmental Assessment (EA)?

WCC is undertaking an EA in accordance with the Ontario *Environmental Assessment Act* to consider the potential environmental effects of a continuation of the Navan WRDF operations by increasing its landfilling capacity.

### The first stage of an EA is to develop a Terms of Reference (ToR):

- Sets framework for planning and the decision-making process to be followed during the preparation of the EA.
- Is not an EA, instead it outlines what work and studies will be done during the EA Phase.
- Describes existing site characteristics and environmental controls, alternatives to deal with residual waste (referred to as “Alternatives To”) and a preferred way for WCC to continue managing residual waste.
- Gather public and stakeholder input on how the EA will evolve.

### As part of the EA Study itself, WCC will:

- Characterize existing environmental conditions (baseline studies) and controls.
- Develop different approaches to increase the capacity of the landfill (referred to as “Alternative Methods”).
- Compare “Alternative Methods” and identify the preferred approach.
- Identify mitigation measures and determine net environmental effect.

# The ToR and EA Engagement Plan

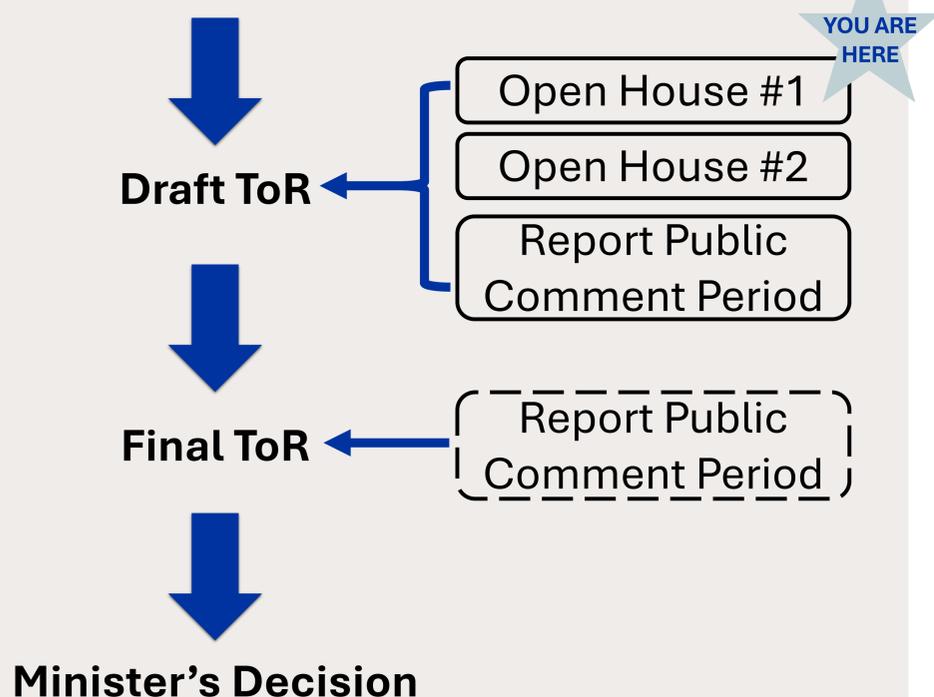
## Purpose of Public and Stakeholder Engagement during the ToR

- To share information and receive feedback on the proposed framework for the EA process and the proposed studies to be completed.

Stakeholders have been identified as government reviewers, Indigenous communities, community organizations and the public. Planned open houses are listed in the charts below.

### 1. Terms of Reference (ToR) Phase

Notice of Commencement

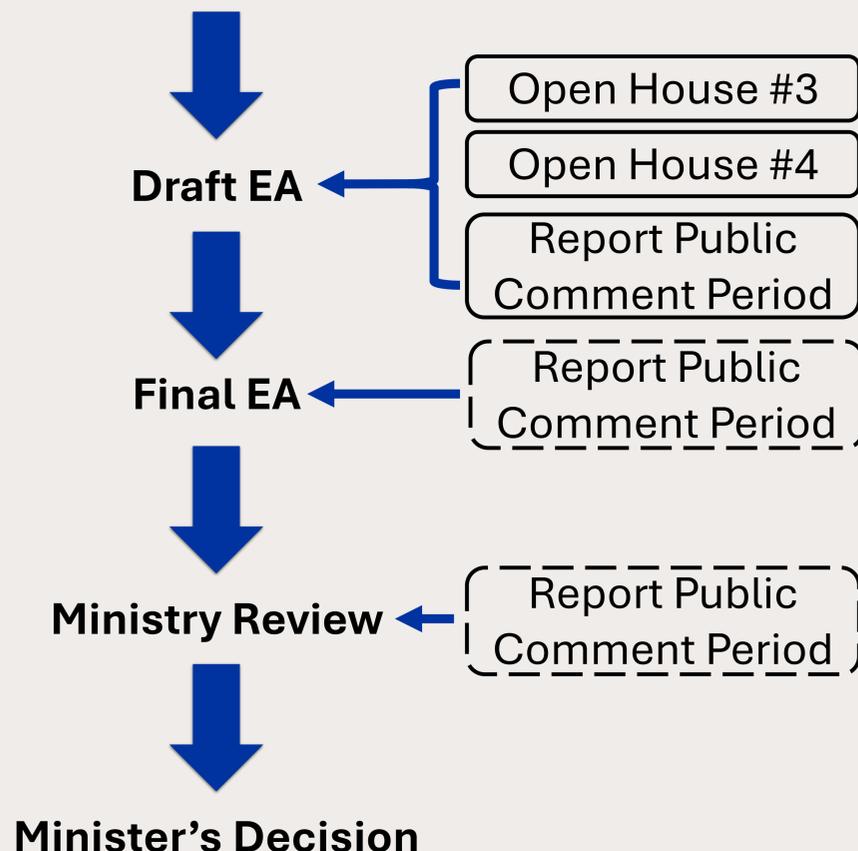


Legend:

- — MECP-led consultation
- — WCC-led consultation

### 2. Environmental Assessment (EA) Phase

Notice of Commencement



## Overview of the Existing Site

### Navan Waste Recycling and Disposal Facility (Navan WRDF or Site)

- Located at 3354 Navan Rd, in the eastern portion of the City of Ottawa.
- In operation since 1960. WCC took ownership in 2016.
- **Approved Capacity:** ~7.6 million cubic metres (40-hectare footprint) based on approved final waste contours.
- **Approved Waste Types:** Solid non-hazardous waste including construction, demolition and asbestos waste. No putrescibles/organic waste.
- **Waste Sources:** Industrial, Commercial & Institutional (IC&I) sector, construction & demolition waste sources and public (i.e., public drop-off).
- **Waste Diversion:** The Site actively promotes diversion, and in 2024 approximately 32% of the waste tonnage received was diverted through “last chance harvest” activities.

## Overview of the Existing Site



*Site plan of the existing Navan WRDF*

### LEGEND

 ECA PROPERTY BOUNDARY

 EXISTING APPROVED LIMIT OF WASTE

## Existing Environmental Controls

### Leachate Management

- “**Leachate**” is rainwater and snow melt that filters through landfill waste and becomes contaminated.
- **Leachate collection system (LCS):** The Site sits on a thick natural clay deposit that serves as a natural barrier to leachate migration. This layer is complemented by an engineered LCS, which includes stone drainage material and pipes beneath and along sections of the sides of the landfill that collect leachate.
- **On-Site Leachate Pre-treatment System:** Pre-treats leachate before being conveyed to the City sewer for final treatment at the City’s Robert O. Pickard Environmental Centre.

### Surface Water Management

- Surface water is managed by a series of swales, diversion ditches and stormwater ponds to divert clean run-off away from and around the waste footprint.
- Stormwater retention ponds hold clean surface water from the Site, control peak flows and provide water quality enhancement.
- Clay cover soils are placed on top of the finished landfill cells to reduce infiltration of precipitation into the landfill. Topsoil and seed is added to the finished landfill surfaces to establish vegetation and prevent erosion.
- Precipitation that comes into contact with waste is managed as leachate.

## Existing Environmental Controls

### Landfill Gas (LFG) and Odour Management

- The main constituents of typical LFG are methane and carbon dioxide and can include small amounts of other gases (e.g., hydrogen sulphide).
- **Active LFG Collection System:** Consists of extraction wells, pipes and pumps to capture and convey LFG to the existing on-Site enclosed flare for destruction.
- **Odour Control:** Mitigation systems are installed around the waste footprint to neutralize potential odours. Waste is covered daily with soil to minimize odours.
- No putrescible (i.e., high organic content) waste is accepted at the Site.

### Dust and Mud Mitigation

- Permanent on-Site roads are asphalt paved.
- Conventional dust suppressant measures (e.g., frequent watering).
- Timely construction of final cover and establishing vegetation.
- Truck wheel wash station to reduce mud tracking onto Navan Road.



*Landfill gas extraction plant and enclosed flare*

# Existing Environmental Controls

## Visual Screening

- Existing 4-metre-high visual screening berm planted with grass and trees is located along Navan Road.
- Ongoing planting of the landfill side slopes and property to create a forested landform and blend into the escarpment.

## Noise Management

- Site has stipulated operating hours.
- Existing berms and vegetation along the Site perimeter, including temporary berms around the phases of active disposal.
- Truck waiting area is inside the Site and behind berms.
- Preventative maintenance program for landfill equipment to keep equipment in good working order.



*Existing vegetation at Site perimeter, adjacent to Navan Road*

## Environmental Performance

**Environmental Monitoring has been ongoing at the landfill since 1981 and we have achieved a very good environmental record.**

- Existing environmental management system at the Site follows Ministry of Environment, Conservation and Parks (MECP) regulations.
- Monitoring at the Site includes groundwater, surface water, leachate, sediment, noise and landfill gas.
- Environmental monitoring is conducted by a third-party engineering firm, in accordance with the monitoring program approved by the MECP in the Site's Environmental Compliance Approvals (ECAs).
- We continually review and update operational programs to maintain environmental protection and to minimize potential effects from litter, birds, odour, noise, dust and traffic associated with the Site from impacting our neighbours and the community.
- Groundwater and surface water quality has been consistently good and stable, with no need to implement contingency or mitigative measures.
- The existing landfill gas management system is expanded regularly to minimize potential odours.



*Typical landfill gas well*



*Typical groundwater monitoring well*

# Alternatives To the Project

Description	Feasibility Assessment	
<b>“Alternative To” #1: “Do Nothing”</b>		
<ul style="list-style-type: none"> <li>Close the existing landfill.</li> </ul>	<ul style="list-style-type: none"> <li>Eliminates disposal capacity for existing customers and users on the east side of Ottawa.</li> <li>Results in users needing to find alternative disposal capacity at increased overall cost.</li> <li>Results in closure of the public drop-off bins and other on-site waste diversion activities.</li> <li>Loss of community benefits with end of the Friends of the Mer Bleue Community Fund.</li> </ul>	
<b>“Alternative To” #2: Export Waste to Other Disposal Facilities</b>		
<ul style="list-style-type: none"> <li>Close the existing landfill and export residual waste to other landfills in the Ottawa region, elsewhere in Ontario or the United States.</li> </ul>	<ul style="list-style-type: none"> <li>Ottawa region has a limited number of operating landfills with adequate long-term waste disposal capacity to serve the region.</li> <li>There is a provincial shortage of landfill capacity.</li> <li>Trucking waste outside the region to a distant landfill presents environmental and economic costs.</li> <li>Exporting waste to the United States is not considered to be a reliable long-term solution.</li> </ul>	
<b>“Alternative To” #3: Use Existing Property for Continuation of Navan WRDF</b>		
<ul style="list-style-type: none"> <li>Continue operations at the Navan WRDF by establishing additional disposal capacity.</li> </ul>	<ul style="list-style-type: none"> <li>Navan WRDF is an established waste disposal facility with existing infrastructure and established environmental controls.</li> <li>Can continue on existing property owned by WCC.</li> <li>Aligns with WCC’s existing business operations.</li> <li>Enables continued operation of the public drop-off area and other on-site waste diversion activities.</li> <li>Enables continued community benefits through the Friends of the Mer Bleue Community Fund.</li> </ul>	

# Alternatives To the Project

Description	Feasibility Assessment	
<b>“Alternative To” #4: Construct a New Landfill in the Ottawa Region</b>		
<ul style="list-style-type: none"> <li>Close the existing landfill and construct a new landfill elsewhere in the Ottawa region.</li> </ul>	<ul style="list-style-type: none"> <li>Finding a suitable new landfill property and supporting hosting community is challenging.</li> <li>Bill 197 (COVID-19 Economic Recovery Act, 2020, S.O. 2020, c. 18) creates uncertainty for a private sector proponent to develop a new landfill facility.</li> </ul>	
<b>“Alternative To” #5: Alternative Waste Management Technologies</b>		
<ul style="list-style-type: none"> <li>Close the existing landfill and establish an alternative waste management facility (e.g., Waste to Energy (WTE) incineration facility).</li> </ul>	<ul style="list-style-type: none"> <li>Does not align with WCC’s existing business operations and experience.</li> <li>High capital and operating costs compared to a landfill.</li> <li>Not suitable for all IC&amp;I waste streams received at the Navan WRDF (e.g., contaminated soils, concrete).</li> </ul>	

## Our Future Plans

### Purpose

- WCC has identified the ongoing need for residual waste disposal capacity to support both the IC&I sector and its regional operations and is pursuing the continuation of the Site operations by increasing its landfill capacity within the existing property owned by WCC.
- The targeted additional disposal capacity is 3 to 4 million m<sup>3</sup>.

### What Does Not Change

- No changes to the annual tonnage being received at the Site.
- No change to the type of waste being received.
- No change to traffic to the Site.
- No change to the operating hours.
- No change to the amount of equipment needed at the Site.
- No change to the operation of the public drop-off area.
- No change to WCC property footprint – continued operations will be on land already owned by WCC.

### What Does Change

- Extension of the Site life by approximately 10 to 15 years.
- Modification of the Site landform, involving an increase in height and horizontal extent to the east on land already owned by WCC.

## Our Future Plans

### Why do we need more capacity?

- The Site is the only operating landfill in East Ottawa that accepts IC&I waste, providing disposal services to critical municipal infrastructure projects, the land development industry and to many small local businesses.
- That proximity enables cost-effective transportation and disposal of waste for the municipality and the business community. Closing the landfill would increase costs to regional businesses and municipal taxpayers through increased transportation fees.
- There is a need for this IC&I waste disposal capacity in Ottawa. In 2025, the City banned this waste from disposal at their Trail Waste Facility to conserve capacity for residential waste. This makes Navan WRDF a critical part of the Ottawa region's waste management system.
- Due to certain regulations, the development of new landfills is nearly impossible, and site continuations like this one are the most viable path to support the economy. It makes sense to continue operating an existing site with existing operators who have a very good track record at managing environmental control programs.
- The Navan WRDF offers diversion and recycling opportunities, including treatment and reuse of large volumes of contaminated soil and the public drop-off bins recycling program. The public drop-off and recycling programs are reliant on the continuation of waste disposal services at the Site.

## A Partner in the Community

- Since 2007, the Navan WRDF has proudly supported the WCC / Friends of the Mer Bleue Community Fund, administered by the Friends of the Mer Bleue. This fund provides financial assistance for local initiatives that enrich public spaces and strengthen the community.
- Between 2010 and June 2025, the Navan WRDF donated over \$1 million to various community projects. In addition, a total of \$250,000 of scholarships have been awarded to students in the community between 2014 and 2025.
- Some examples of projects include the Navan Curling Club, the Navan Community Association Pavilion Project, the Orléans Health Hub Indoor Living Wall, the Greater Avalon Community Association Garden, the Petrie Island Canoe Club and the Miracle League of Ottawa Baseball Park.



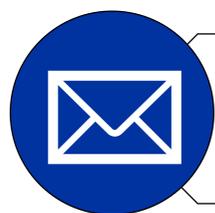
*Navan Pavilion  
(Community project, WCC/Friends of the  
Mer Bleue Community Fund)*



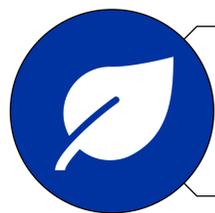
*Miracle League of Ottawa Baseball Park  
(Community project, WCC/Friends of the  
Mer Bleue Community Fund)*

**We remain deeply committed to being a good neighbour and a responsible partner in the communities we serve and would continue to be so in future.**

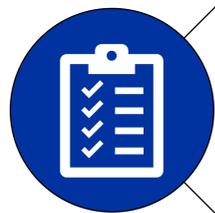
## Next Steps in the Environmental Assessment Process



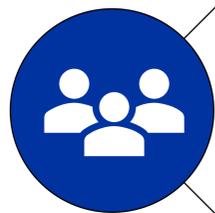
Collect feedback from stakeholders from Open House #1 on the proposed increase in landfilling capacity at the Navan WRDF.



Complete high-level description of the existing environment.



Prepare technical work plans to further describe the existing environment, prepare the approach for the development of “Alternative Methods” of landfill expansion, develop the evaluation criteria to compare the “Alternative Methods” and develop methods to assess the impact of the Project for use in the EA.



Prepare for Open House #2, to present a summary of feedback from Open House #1, the identified environmental components, the proposed comparative evaluation criteria for “Alternative Methods,” the possible high-level approaches of “Alternative Methods” and the overall EA schedule.



Prepare the Draft ToR, which is a summary document of the planning and decision-making process to be followed during the preparation of the EA.

## Upcoming Public Consultation Opportunities

- Open House #1 on February 11, 2026
- Open House #2 (date to be determined)
- Draft ToR public comment period (date to be determined)

# Thank you for joining us

We encourage you to let us know your thoughts by leaving your written comments or questions with us today or reaching out through our website or contact details below.

If you would like to be notified of any Project updates, please let us know and provide either an email address or your mailing address.

We will post information on the project website as it becomes available ([www.wasteconnectionscanada.com/ottawa-landfill/ea](http://www.wasteconnectionscanada.com/ottawa-landfill/ea)).

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