



# **Environmental Screening Report**

CANADIAN ENVIRONMENTAL ASSESSMENT ACT

This form, when completed in full, constitutes an environmental screening report intended to meet the requirements of s. 16 of the *Canadian Environmental Assessment Act* (CEAA). It contains the following sections:

- 1) PROJECT IDENTIFICATION
- 2) LOCATION OF RESERVE & PROJECT
- 3) PROJECT JUSTIFICATION
- 4) PROJECT DESCRIPTION
- 5) PUBLIC AND AGENCY CONSULTATION
- 6) EXISTING ENVIRONMENT
- 7) ENVIRONMENTAL EFFECTS AND MITIGATION MEASURES
- 8) CUMULATIVE EFFECTS ASSESSMENT
- 9) CONCLUSION AND SCREENING DECISION
- 10) KEY REFERENCES & SOURCES
- 11) LIST OF ATTACHMENTS

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The table below will be completed by Ontario Region staff. The proponent should complete the sections that follow, starting with "1. PROJECT IDENTIFICATION" on page 2.

For Internal Use Only

Project Reference	
Section 5 Triggers	
CEAA/MOU	
FEAI Number	
Lead RA	
Supporting Ras	
Other Fas	
Area	
EO	
RO	
RCM	

# ENVIRONMENTAL ASSESSMENT

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## 1) PROJECT IDENTIFICATION

<b>FIRST NATION</b>	
<b>Project Title</b>	
<b>Proponent(s)</b>	

## 2) LOCATION OF RESERVE & PROJECT

<b>RESERVE Location</b>  <i>(relative to the nearest town, highway, lake, etc.)</i>	
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<b>Definition of Project Area</b>  <i>The geographical extent of the project &amp; areas affected during construction. For example: - key transportation routes for equipment and materials - staging &amp; refueling areas - main activity/ construction zone, etc.</i>	
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## ENVIRONMENTAL ASSESSMENT

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<b>Adjacent Lands or Features</b>  <i>(North, East, South, West of project)</i>	N	
	E	
	S	
	W	

### 3) PROJECT JUSTIFICATION

<b>Need for the Project</b> <i>(Rationale: e.g. what problem is the project going to solve or what opportunity is the project going to provide?)</i>	
<b>Purpose of the Project</b> <i>(What is going to be achieved by carrying out the project?)</i>	
<b>Alternatives Considered</b> <i>(different ways to meet the project need and achieve the project purpose)</i>	

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## 4) PROJECT DESCRIPTION

<b>Proposed Start Date:</b> <i>(year-month-day, if known)</i>		<b>Projected Completion Date:</b>	
<b>Estimated Total Cost</b>			
<b>Description of Project</b> <i>(with supporting material attached as required)</i>			
<b>Project Management Team Members &amp; Affiliation</b>			

## 5A) AGENCY CONSULTATION

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# ENVIRONMENTAL ASSESSMENT

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Agency	Contact Person & Telephone Number	Nature of Consultation & Input Received

## 5B) PUBLIC CONSULTATION

Public Consulted	Consultation Method	Date	Details/Issues Raised

# ENVIRONMENTAL ASSESSMENT

## 6) EXISTING ENVIRONMENT

**COMPONENT**                      **DESCRIPTION**  
*(describe features, and indicate sensitivity to disturbance)*

6.1 PHYSICAL FEATURES - VALUED ECOSYSTEM COMPONENTS	
<b>Topography/Terrain</b>	
<b>Soil</b> <i>(type &amp; quality)</i>	
<b>Geology</b> <i>(bedrock)</i>	
<b>Distance to Surface Water</b> <i>(from closest project activity, in metres)</i>	
<b>Surface Water</b> <i>(presence &amp; quality)</i>	
<b>Sediment/Substrate</b> <i>(type &amp; quality)</i>	
<b>Groundwater</b> <i>(local use &amp; quality)</i>	
<b>Air Quality</b> <i>(any pollution issues)</i>	

# ENVIRONMENTAL ASSESSMENT

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**COMPONENT**

**DESCRIPTION**

*(describe features, and indicate sensitivity to disturbance)*

<b>6.2 BIOLOGICAL FEATURES - VALUED ECOSYSTEM COMPONENTS</b>	
<b>Vegetation</b> <i>(trees, ground cover, aquatic vegetation)</i>	
<b>Wetlands</b> <i>(e.g. bogs, fens, marshes)</i>	
<b>Fish &amp; Fish Habitat</b>	
<b>Birds</b> <i>(waterfowl, migratory birds, others)</i>	
<b>Mammals</b>	
<b>Special Habitat Areas</b> <i>(special designations or identified sensitive zones)</i>	

# ENVIRONMENTAL ASSESSMENT

## COMPONENT

## DESCRIPTION

*(describe features, and indicate sensitivity to disturbance)*

<b>6.3 OTHER FEATURES</b>	
<b>Residential/Sensitive Areas</b> <i>(e.g. hospitals, schools)</i>	
<b>Traditional Economic/Cultural Activities</b> <i>(e.g. trapping, fishing, collection of medicinal plants)</i>	
<b>Cultural Land Use</b> <i>(e.g. pow wow grounds)</i>	
<b>Archaeological Resources</b> <i>(recorded, or potential for them to exist)</i>	
<b>Special Designations</b> <i>(parks, protected areas)</i>	

## 7A) ENVIRONMENTAL EFFECTS AND MITIGATION MEASURES

The next table summarizes the following:

- (A) **List of Project Activities**  
Key project activities and their locations, scheduling details, and estimates of their magnitude or scale.
- (B) **Potential Environmental Effect(s)**  
The positive or negative effects on the environment that may potentially be caused by the project activities.
- (C) **Mitigation Measures & Determination of Significance**  
A determination of the significance of the environmental effects, taking into account appropriate mitigation measures if applicable. Mitigation measures are intended to prevent or reduce any potentially negative effects. The abbreviations used are:
- (D)
  - N/S - effect not significant, or rendered insignificant with mitigation
  - SP - significant positive effect
  - SN - significant negative effect
  - U - outcome unknown or cannot be predicted, even with mitigation.

# ENVIRONMENTAL ASSESSMENT

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## 7B) ENVIRONMENTAL EFFECTS AND MITIGATION MEASURES - SUMMARY

<b>(A)</b> Key Project Activities	<b>(B)</b> Potential Environmental Effect(s)	<b>(C)</b> Mitigation Measures	<b>(D)</b>

# ENVIRONMENTAL ASSESSMENT

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<b>(A)</b> <b>Key Project Activities</b>	<b>(B)</b> <b>Potential Environmental Effect(s)</b>	<b>(C)</b> <b>Mitigation Measures</b>	<b>(D)</b>

# ENVIRONMENTAL ASSESSMENT

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## 8) CUMULATIVE EFFECTS ASSESSMENT

The natural environment is interconnected, and does not recognize project boundaries or lines on maps. The impacts caused by one project, which may be considered minor and insignificant, can combine with other environmental impacts already present in the project area. Together, these impacts may become significant, and adverse. The consideration and assessment of these “cumulative” effects is therefore an important part of the environmental assessment process.

The following table should be completed to help identify the potential for cumulative effects, and to assess their significance.

<b>External Environmental Impacts</b>	<b>Potential Cumulative Effects: External Impacts + Potential Adverse Impacts of this Project</b>	<b>Mitigation Measures &amp; Significance of Residual Adverse Impacts</b>
<p>Example:</p> <p><i>Water quality in Clear Lake is already receiving elevated levels of nutrients and pollutants from other human sources in the watershed.</i></p>	<p><i>The sewage treatment plant will be discharging treated effluent, which contains nutrients such as nitrogen and phosphorus. The combined effect could cause imbalance in the lake ecosystem, and increase the frequency and severity of algal blooms.</i></p>	<p><i>In consultation with the Ministry of the Environment, effluent will be channeled first into natural wetland area to “polish” the effluent and remove the majority of nutrients. The discharge from the wetland to Clear Lake will be monitored before, and after the plant is commissioned. The residual impact is not considered to be significant, providing the mitigation measure is successfully implemented.</i></p>

# ENVIRONMENTAL ASSESSMENT

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## 9) CONCLUSION AND SCREENING DECISION

### Summary of Environmental Effects:

Assuming that all mitigation measures are implemented as proposed, the following effects are predicted (provide summary from sections 7B and 8):

# of instances		
<input type="text"/>	<b>N/S</b>	<b>effect not significant, or can be rendered insignificant with mitigation</b>
<input type="text"/>	<b>SP</b>	<b>significant positive effect</b>
<input type="text"/>	<b>SN</b>	<b>significant negative effect</b>
<input type="text"/>	<b>U</b>	<b>outcome unknown or cannot be predicted, even with mitigation</b>

### Screening Decision Recommendation (check one):

[00] Environmental assessment is still underway, and not final. **DECISION PENDING.**

[01] All potentially adverse effects are mitigable with known technology, and therefore will be rendered insignificant; and public concern does not warrant further assessment. **PROJECT MAY PROCEED.**

[02] Potentially adverse effects are significant, and cannot be justified. **PROJECT MAY NOT PROCEED.**

[03] Significant public concern has been raised, warranting a referral to a mediator or a review panel. **ENVIRONMENTAL ASSESSMENT IS TO BE REFERRED TO THE MINISTER.**

[04] Comprehensive Study has determined the need for a referral to a mediator or a review panel. **ENVIRONMENTAL ASSESSMENT IS TO BE REFERRED TO THE MINISTER.**

# ENVIRONMENTAL ASSESSMENT

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**Screening Report Completed by:**

**Date:**

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Consultant or client

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Owner/Operator

**Recommended by:**

**Date:**

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Representative of Chief and Council, or designate - Municipality

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Development Officer - Environmental Officer

**Approved by:**

**Date:**

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Responsibility Centre Manager

# ENVIRONMENTAL ASSESSMENT

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## 10) KEY REFERENCES & SOURCES

## 11) LIST OF ATTACHMENTS

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