



# PUBLIC OPEN HOUSE INFORMATION SESSION

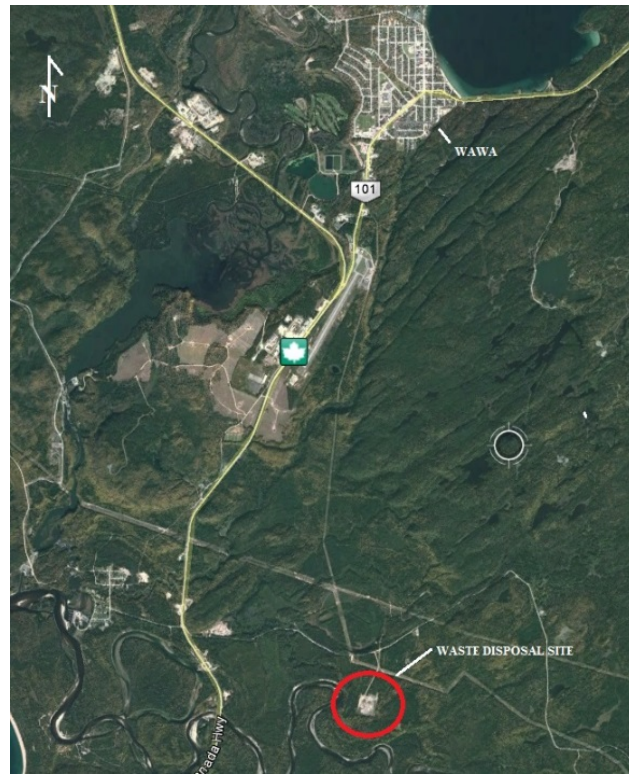
WEDNESDAY, JULY 26, 2017

FROM 3:30pm TO 6:00pm

## ENVIRONMENTAL SCREENING PROCESS

TO SUPPORT THE

## EXPANSION OF THE MUNICIPAL WASTE DISPOSAL SITE





## **BACKGROUND**

1. The Municipality's waste disposal site located on High Falls Road has been actively receiving waste since 1980 and currently operates under Ministry of the Environment and Climate Change (MOECC) Environmental Compliance Approval (ECA) Number A7266501, dated November 2, 2005.
2. Located within a Municipality-owned parcel of property, the site is approved to accept solid municipal waste within a fill area of 2.6 hectares.
3. Considering the site volume identified in the current ECA, it is expected that the remaining approved capacity will be filled by the year 2021.
4. Following consultation with MOECC, the Municipality has initiated the Screening Process under the Province's Environmental Assessment (EA) Act to investigate the preferred method to expand site capacity.





### **PURPOSE OF THE PROPOSED UNDERTAKING**

The purpose of the proposed undertaking is to address the Municipality's solid municipal waste disposal requirements by expanding the capacity of the existing waste disposal site.

### **DESCRIPTION OF THE PROPOSED UNDERTAKING**

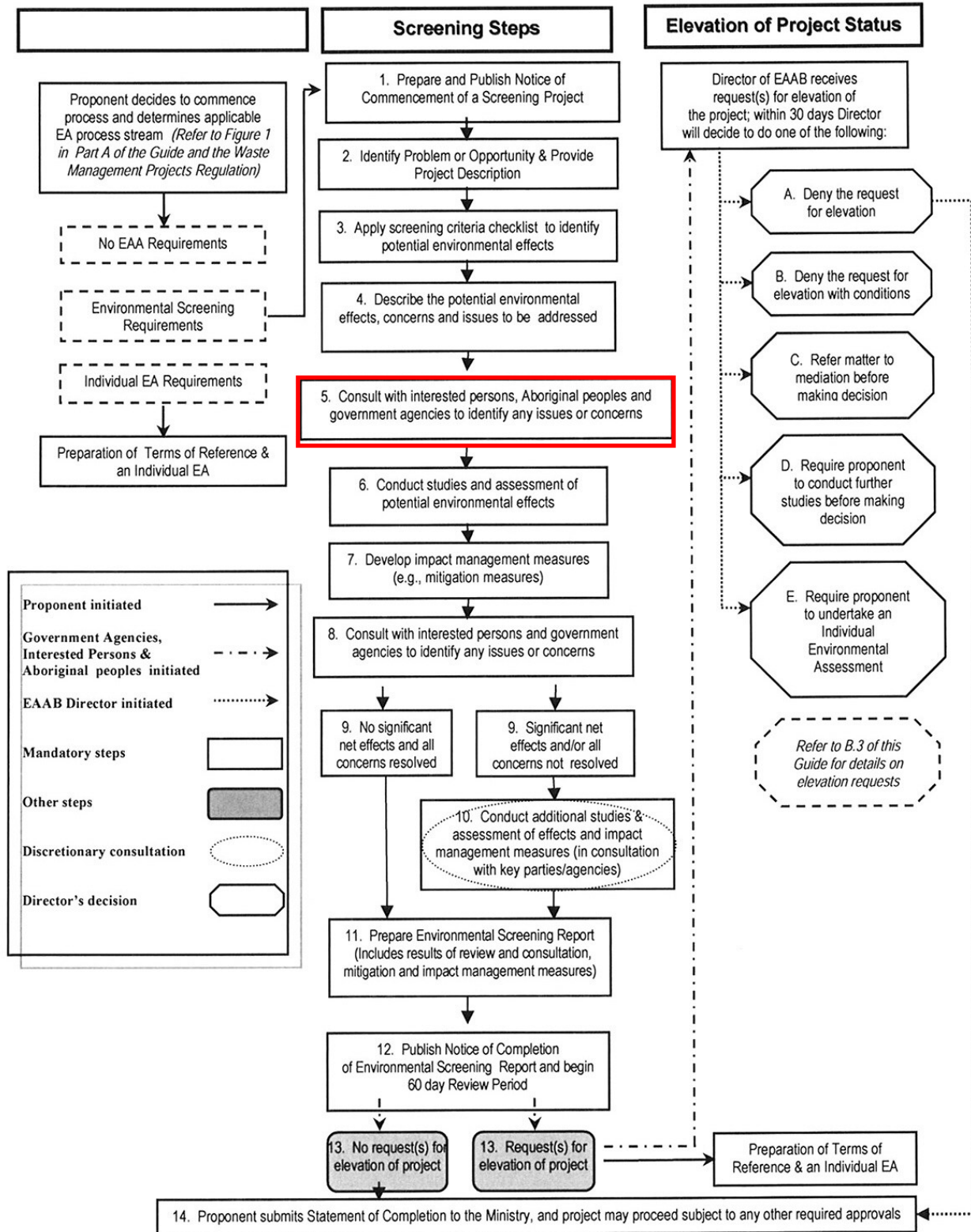
1. The undertaking being considered is the expansion of the waste disposal site capacity by 100,000 cubic metres.
2. The proposed undertaking is exempt from Schedule II of the EA Act (Individual Environmental Assessment); however, the Municipality must first complete the Environmental Screening Process as described under Ontario Regulation (O.Reg.) 101/07 (*Waste Management Projects*).
3. The undertaking will consider the solid municipal waste generated within the Municipality's service area.

### **ENVIRONMENTAL SCREENING PROCESS**

1. The Environmental Screening Process is a proponent driven self-assessment process.
2. The Process is directed at small, rural waste disposal sites ( $\leq 100,000$  cubic metres).
3. The Process assesses how the environment will be directly or indirectly affected by the project and what actions, if any, are required to prevent or mitigate these impacts.
4. Reasonable and practical mitigation measures will be considered to avoid or reduce impacts from the project.



**ENVIRONMENTAL SCREENING PROCESS**





### **STEP 1: NOTICE OF COMMENCEMENT**

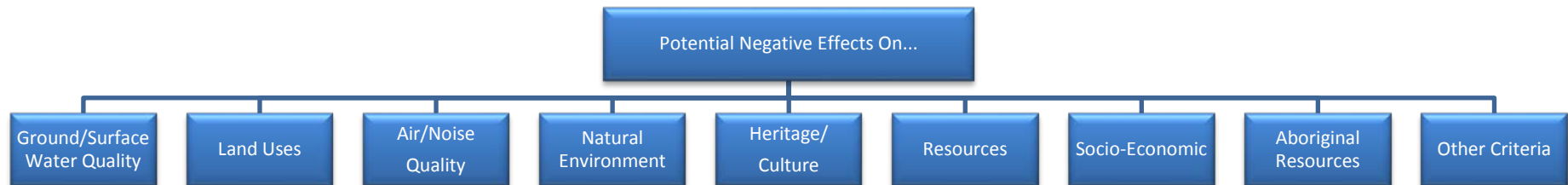
The Notice of Commencement was published in September 2016 on several local web sites and was forwarded by mail and email to Government Review Team members and other interested parties.

### **STEP 2: IDENTIFY AND DESCRIBE THE PROBLEM**

The problem being address is the need for additional waste disposal capacity to service the Municipality of Wawa. It has been estimated that the existing approved capacity at the waste disposal site will be filled by the year 2021.

### **STEP 3: SCREENING CRITERIA CHECKLIST**

The Environmental Screening Criteria checklist considers criteria in the following groups (defined by MOECCC):





### **STEP 3: SCREENING CRITERIA CHECKLIST**

1. An initial screening of alternatives to the undertaking was completed to determine whether or not the alternatives considered address the stated purpose and are within the Municipality's ability to implement.
2. The alternatives considered were:
  1. Do Nothing;
  2. Construct and operate a thermal destruction facility;
  3. Export waste outside the Municipality;
  4. Establish a new waste disposal site; and
  5. Expand the existing waste disposal site.
3. From the initial screening exercise, it was determined that Alternative 5 – expand the existing waste disposal site is the preferred alternative to the undertaking.
4. The MOECC Environmental Screening Criteria Checklist was subsequently applied to Alternative 5 to identify the potential for negative environmental effects and, thus, the potential need for mitigating measures.



### **STEP 3: INITIAL SCREENING OF ALTERNATIVES**

**Table 1: Initial Screening of Alternatives to the Undertaking**

Screening Criteria	Alternative				
	Alt. 1	Alt. 2	Alt. 3	Alt. 4	Alt. 5
1. Does the alternative provide a viable solution to the need?	NO	NO	YES	YES	YES
2. Does the alternative use proven technologies?	YES	YES	YES	YES	YES
3. Is the alternative technically feasible?	YES	YES	YES	YES	YES
4. Is the alternative consistent with the Official Plan?	YES	NO	YES	NO	YES
5. Is the alternative consistent with provincial government priority initiatives such as waste diversion, energy efficiencies, source water protection, and reduction of greenhouse gases?	YES	YES	YES	YES	YES
6. Will the alternative protect sensitive environmental features?	YES	YES	UNCERTAIN	YES	YES
7. Is the alternative practical, financially realistic and economically viable?	NO	NO	NO	NO	YES
8. Is the alternative within the ability of the proponent to implement?	YES	POSSIBLY	YES	YES	YES
9. Can the alternative be implemented within the defined study area?	YES	NO	NO	YES	YES
10. Can the alternative be implemented within the Municipality's time frame needed for more disposal capacity?	YES	NO	NO	NO	NO
11. Is the alternative appropriate to the proponent doing the study?	NO	NO	NO	YES	YES
12. Is the alternative able to meet the purpose of the EAA?	YES	YES	YES	YES	YES
13. Is the alternative compatible with the precautionary approach to decision making in the MOE's Statement of Environmental Values?	YES	YES	YES	YES	YES
<b>NUMBER OF "NO'S"</b>	<b>3</b>	<b>6.5</b>	<b>5.5</b>	<b>3</b>	<b>1</b>



### **STEP 4: POTENTIAL ENVIRONMENTAL IMPACTS**

- Application of the Environmental Screening Criteria Checklist identified the following potential environmental impacts (i.e. these are issues potentially requiring mitigation):

Surface/Groundwater Quality	Air/Noise Quality	Natural Environment
<ul style="list-style-type: none"> <li>• Surface water quality may be impacted</li> <li>• Leachate may negatively affect groundwater quality</li> </ul>	<ul style="list-style-type: none"> <li>• Natural biodegradation of organic material at waste disposal site may produce landfill gas</li> <li>• Emissions of dust due to unpaved access road</li> <li>• Possible negative noise effects due to landfilling operations</li> <li>• Light pollution from public vehicles as well as operation/maintenance vehicles</li> </ul>	<ul style="list-style-type: none"> <li>• Expansion of site may potentially increase the number of birds attracted to the site, potentially creating a hazard</li> </ul>
Socio-Economic	Heritage and Culture	Other Criteria
<ul style="list-style-type: none"> <li>• As an aerodrome is located within 8 kilometres of the waste disposal site, a possible bird hazard relating to flight paths may exist</li> </ul>	<ul style="list-style-type: none"> <li>• As the site is within 300m of surface water a Stage 1 archaeological assessment is required.</li> </ul>	<ul style="list-style-type: none"> <li>• Clean wood waste requiring disposal will be produced during clearing for the proposed expansion</li> </ul>





### **NEXT STEPS IN THE PROCESS**

1. The purpose of this Open House is to introduce the project and Environmental Screening Process to the residents of the Municipality of Wawa and provide the opportunity for early input into the process.
2. Considering feed-back from this Open House, Government Ministries and Indigenous communities, an assessment of the potential environmental effects related to the project will be conducted and mitigation measures will be developed (if/as required).
3. A second Open House will be held to identify any issues or concerns relating to the assessment of anticipated environmental effects and to discuss recommended mitigation measures.
4. Comments will be incorporated into an Environmental Screening Report that will include the results of review and consultation activities as well as mitigation and impact management measures.
5. Following its completion, the Environmental Screening Report will be available for review and comment by interested Government Ministries, Indigenous communities and members of the public for a period of 60 days prior to implementing the project.