

# APPENDIX A:

## SCREENING CRITERIA CHECKLIST



The Screening Criteria Checklist is taken from the MOE's "Guide to Environmental Assessment Requirements for Electricity Projects", March 2001, Appendix C. There are two possible stages of review required under the Guide, a Screening Stage and an Environmental Review Stage. The review required for a specific project depends on the environmental effects of the proposed project.

The Screening stage is based on a series of screening criteria to identify the potential environmental effects of the project. The proponent must complete the Screening Criteria Checklist by providing responses to each of the questions, based on current knowledge or preliminary investigations. If the answer to all the questions is "No," the project will not have any potential effects as listed in the criteria.

Mitigation measures are not included in the initial screening analysis. If it is determined that a potential environmental effect is likely but this impact will be addressed through mitigation, a "Yes" answer is provided.

This Screening Criteria Checklist has been completed based on response from the open house (October 2, 2004), meetings with local interest groups and municipal representatives and site visits conducted in the summer and fall of 2004, and spring, summer and fall of 2005.



Each criterion is based on a question which is prefaced with the phrase: **Will the project have the potential to...**

Criterion		Yes	No	Additional Information
<b>1. Surface and Ground Water</b>				
1.1	have negative effects on surface water quality, quantities or flow?	√		Survey and micro siting
1.2	have negative effects on ground water quality, quantity or movement?		√	
1.3	cause significant sedimentation or soil erosion or shoreline or riverbank erosion on or off site?	√		
1.4	cause potential negative effects on surface or ground water from accidental spills or releases to the environment?	√		Construction, Maintenance and Decommissioning
<b>2. Land</b>				
2.1	have negative effects on residential, commercial or institutional land uses within 500 metres of the site?	√		
2.2	be inconsistent with the Provincial Policy Statement, provincial land use or resource management plans?	√		Zoning Amendment
2.3	be inconsistent with municipal land use policies, plans and zoning by-laws?	√		Zoning Amendment
2.4	use hazard lands or unstable lands subject to erosion?		√	
2.5	have potential negative effects related to the remediation of contaminated land?		√	
<b>3. Air and Noise</b>				
3.1	have negative effects on air quality due to emissions of nitrogen dioxide, sulphur dioxide, suspended particulates, or other pollutants?		√	
3.2	cause negative effects from the emission of greenhouse gases (CO <sub>2</sub> , methane)?		√	
3.3	cause negative effects from the emission of dust or odour?	√		Construction
3.4	cause negative effects from the emission of noise?	√		Detailed Modelling
<b>4. Natural Environment</b>				
4.1	cause negative effects on rare, threatened or endangered species of flora or fauna or their habitat?		√	
4.2	cause negative effects on protected natural areas such as, ANSIs, ESAs or other significant natural areas?		√	
4.3	cause negative effects on wetlands?		√	
4.4	have negative effects on wildlife habitat, populations, corridors or movement?	√		
4.5	have negative effects on fish or their habitat, spawning, movement or environmental conditions (e.g., water temperature, turbidity, etc.)?	√		Field Surveys
4.6	have negative effects on migratory birds, including effects on their habitat or staging areas?	√		Field Surveys
4.7	have negative effects on locally important or valued ecosystems or vegetation?	√		Field Surveys

Criterion		Yes	No	Additional Information
<b>5. Resources</b>				
5.1	result in inefficient (below 40%) use of a non-renewable resource (efficiency is defined as the ratio of output energy to input energy, where output energy includes electricity produced plus useful heat captured)?		√	
5.2	have negative effects on the use of Canada Land Inventory Class 1–3, specialty crop or locally significant agricultural lands?	√		
5.3	have negative effects on existing agricultural production?	√		
5.4	have negative effects on the availability of mineral, aggregate or petroleum resources?		√	
5.5	have negative effects on the availability of forest resources?		√	
5.6	have negative effects on game and fishery resources, including negative effects caused by creating access to previously inaccessible areas?		√	
<b>6. Socio-economic</b>				
6.1	have negative effects on neighbourhood or community character?	√		Visual Impact Assessment, Zoning Amendment
6.2	have negative effects on local businesses, institutions or public facilities?	√		
6.3	have negative effects on recreation, cottaging or tourism?	√		
6.4	have negative effects related to increases in the demands on community services and infrastructure?		√	
6.5	have negative effects on the economic base of a municipality or community?		√	
6.6	have negative effects on local employment and labour supply?		√	
6.7	have negative effects related to traffic?	√		
6.8	cause public concerns related to public health and safety?	√		
<b>7. Heritage and Culture</b>				
7.1	have negative effects on heritage buildings, structures or sites, archaeological resources, or cultural heritage landscapes?	√		
7.2	have negative effects on scenic or aesthetically pleasing landscapes or views?	√		Visual Impact
<b>8. Aboriginal</b>				
8.1	cause negative effects on First Nations or other Aboriginal communities?		√	
<b>9. Other</b>				
9.1	result in the creation of waste materials requiring disposal?	√		Waste Management
9.2	Cause any other negative environmental effects not covered by the criteria outlined above?		√	