

APPENDIX B

Screening Criteria Checklist for Brandon Biomedical Waste Incinerator Project

The criteria table answers the question: *Might the project.....*

CRITERION	YES	NO	COMMENT
1. Surface and Ground Water			
1.1 have negative effects on surface water quality, quantities or flow?	X		New building will impact drainage
1.2 have negative effects on ground water quality, quantity or movement?		X	
1.3 cause significant sedimentation, soil erosion or shoreline or riverbank erosion on or off site?		X	
1.4 cause potential negative effects on surface or ground water from accidental spills or releases (leachate) to the environment?		X	
2. Land			
2.1 have negative effects on residential, commercial or institutional land or other sensitive land uses within 500 metres of the site boundary?	X		Closest residence is approximately 200 m
2.2 be inconsistent with the Provincial Policy Statement, provincial land use or resource management plans?		X	
2.3 be inconsistent with municipal land use policies, plans and zoning by-laws (including municipal setbacks)?		X	
2.4 use lands not zoned as industrial, heavy industry, or waste disposal?	X		EI – Educational and Institutional
2.4 use hazard lands or unstable lands subject to erosion?		X	
2.5 have potential negative effects related to the remediation of contaminated land ?		X	
3. Air and Noise			
3.1 have negative effects on air quality due to emissions of (for parameters such as temperature, thermal treatment exhaust flue gas volume, nitrogen dioxide, sulphur dioxide, residual oxygen, opacity, hydrogen chloride, suspended particulates, or other pollutants)?	X		Post APC emission impacts to be presented
3.2 cause negative effects from the emission of greenhouse gases (CO ₂ , CO, methane)?	X		As per above
3.3 cause negative effects from the emission of dust or odour?		X	Not anticipated, but mitigation should be planned
3.4 cause negative effects from the emission of noise?		X	Not anticipated, but mitigation should be planned
3.5 cause light pollution from trucks or other operational activities on site?		X	
4. Natural Environment			
4.1 cause negative effects on rare (vulnerable), threatened or endangered species of flora or fauna or their habitat?		X	
4.2 cause negative effects on protected natural areas such as ANSIs, ESAs or other significant natural areas?		X	
4.3 cause negative effects on wetlands?		X	
4.4 have negative effects on wildlife habitat, populations, corridors or movement?		X	
4.5 have negative effects on fish or their habitat, spawning, movement or environmental conditions (e.g., water temperature, turbidity, etc.)?		X	
4.6 increase bird hazards within the area that could impact surrounding land uses (eg airports)?		X	
4.7 have negative effects on locally important or valued ecosystems or vegetation?		X	

	YES	NO	
5. Resources			
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)?		X	
5.2 result in generation of energy that cannot be captured and utilized?	X		Energy recovery may be contemplated
5.2 result in practices inconsistent with waste studies and/or waste diversion targets (eg result in final disposal of materials subject to diversion programs)?		X	
5.3 have negative effects on the use of Canada Land Inventory Class 1-3, specialty crop or locally significant agricultural lands?		X	
5.4 have negative effects on existing agricultural production?		X	
5.5 have negative effects on the availability of mineral, aggregate or petroleum resources?		X	
5.6 be located a distance from required infrastructure (such as availability to customers, markets and other factors)?	X		Transport of waste
5.7 have negative effects on the availability of forest resources?		X	
5.8 have negative effects on game and fishery resources, including negative effects caused by creating access to previously inaccessible areas?		X	
6. Socio-economic			
6.1 have negative effects on neighbourhood or community character?		X	Building and outside equipment to be blended in to existing buildings
6.2 result in aesthetics impacts (eg visual and litter impacts)?		X	As above
6.3 have negative effects on local businesses, institutions or public facilities?		X	
6.4 have negative effects on recreation, cottaging or tourism?		X	
6.5 have negative effects related to increases in the demands on community services and infrastructure?		X	
6.6 have negative effects on the economic base of a municipality or community?		X	
6.7 have negative effects on local employment and labour supply?		X	
6.8 have negative effects related to traffic?	X		4-5 additional vehicles per day
6.9 be located within 8 km of an aerodrome/airport reference point?		X	
6.10 interfere with flight paths due to the construction of facilities with height (ie stacks)?		X	
6.11 cause public concerns related to public health and safety?	X		Communication plan will be implemented
7. Heritage and Culture			
7.1 have negative effects on heritage buildings, structures or sites, archaeological sites or areas of archaeological importance, or cultural heritage landscapes?		X	
7.2 have negative effects on scenic or aesthetically pleasing landscapes or views?		X	
8. Aboriginal			
8.1 cause negative effects on land, resources, traditional activities or other interests of Aboriginal communities?		X	There are no aboriginal communities in the immediate area.
9. Other			
9.1 result in the creation of non-hazardous waste materials requiring disposal?	X		To be negotiated with City (autoclaved waste)
9.2 result in the creation of hazardous waste materials requiring disposal?	X		Fly-ash will require disposal
9.3 cause any other health risk impacts?	X		