

# **MACKENZIE GREEN ENERGY CENTRE PROJECT ASSESSMENT REPORT**

## **APPENDIX H**

### **Summary of Cumulative Effects Assessment, Mitigation and Monitoring**



**Table 11-3 Summary of Cumulative Effects Assessment, Mitigation and Monitoring for the MGEC Project**

Issue/VEC	Residual Impact Assessment Indicators						
	Geographic Extent	Direction	Magnitude	Duration & Frequency	Reversibility	Significance	Confidence
<b>AIR QUALITY PROJECT emissions</b>							
Nitrogen Dioxide	Sub-Regional	Negative	Low	Long-term; Continuous	Reversible	Not significant	Good
Sulphur Dioxide	Sub-Regional	Neutral	Low	Long-term; Continuous	Reversible	Not significant	Good
Carbon Monoxide	Sub-Regional	Negative	Low	Long-term; Continuous	Reversible	Not significant	Good
Particulate Matter (PM <sub>10</sub> & PM <sub>2.5</sub> )	Sub-Regional	Positive	Low	Long-term; Continuous	Reversible	Not significant	Good
<b>AIR QUALITY Regional beehive burner emissions</b>							
Nitrogen Dioxide	Regional	Positive	Medium	Long-term; Intermittent	Reversible	Significant*	Fair
Sulphur Dioxide	Regional	Positive	Medium	Long-term; Intermittent	Reversible	Significant	Fair
Carbon Monoxide	Regional	Positive	Medium	Long-term; Intermittent	Reversible	Significant	Fair
Particulate Matter (PM <sub>10</sub> & PM <sub>2.5</sub> )	Regional	Positive	Medium	Long-term; Intermittent	Reversible	Significant	Fair
<b>GREENHOUSE GAS Emissions</b>	Provincial-Global	Positive	Low-Medium	Long-term; Continuous	Reversible	Not significant	Good
<b>NOISE</b>							
Operating Noise	Local	Negative	Low	Long-term; Continuous	Reversible	Not significant	Good
<b>WILDLIFE &amp; VEGETATION</b>							
Construction & operation	Local	Negative to Neutral	Minimal	Long-term; Continuous	Reversible	Not significant	Fair

\* Applies to the benefit of reduced exposure to air pollutants.