

Appendix 11-1:

Chapter 11 - Air Quality: Summary of Significant and Residual Effects

Project Phase	Source of Impact	Significance (Pre-Mitigation)	Mitigation Applied	Residual Effect
Construction	Dust generation (earthworks, construction, trackout)	Slight, short-term, negative; potentially high risk at sensitive receptors without mitigation	Site-specific dust control measures (CEMP, water suppression, monitoring, traffic controls)	Short-term, direct, localised, negative but not significant
Operation	Operational traffic and machinery	No significant effect predicted	Good practice maintenance and low traffic volumes	No direct residual effects
Operation (indirect)	Renewable electricity displacing fossil fuel generation	Beneficial	Embedded in project design	Long-term, slight, positive indirect effect (NOx reduction)
Decommissioning	Dust from removal and reinstatement works	Slight, short-term, negative	Same measures as construction phase	Short-term, negative, not significant
Transboundary	All phases	None	Not applicable	No residual transboundary effects