

Appendix 17-1:

Chapter 17 - Major Accidents and Natural Disasters: Residual Effects Summary

Hazard Type	Phase	Residual Effect Description	Significance	Nature & Duration
Flooding	Construction	Flood risk minimised through site selection, drainage design and CEMP measures	No residual effect	Neutral
Flooding	Operation	Turbines and infrastructure unlikely to exacerbate flood risk	No residual effect	Neutral, long-term
Fire (turbine or forestry-related)	Operation	Fire detection, shutdown systems and emergency procedures reduce risk	Slight (not significant)	Long-term, low probability
Landslide / peat instability	Construction	Geotechnical assessment and peat management minimise risk	No residual effect	Neutral
Extreme weather (storms, lightning)	Operation	Turbines designed to industry standards and monitored remotely	Not significant	Long-term
Accidental fuel / oil spill	Construction	Containment, storage controls and emergency response procedures in place	Slight (not significant)	Short-term, negative
Decommissioning	Decommissioning	Similar controls to construction phase reduce risks	Not significant	Temporary
Overall conclusion	All phases	Low likelihood of events and effective mitigation results in no significant residual risk	Not significant	-