Environmental Impact Assessment Report (EIAR)

Ballydermot Wind Farm Co. Offaly & Co. Kildare

Chapter 20 - Summary of Significance of Effects



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20. SUMMARY OF SIGNIFICANCE OF EFFECTS

20.1 Introduction

The preceding Chapters 5 to 17 of this Environmental Impact Assessment Report (EIAR) identify the potential significant environmental effects that may occur in terms of Population and Human Health, Biodiversity (Flora and Fauna), Birds (Ornithology), Land, Soils and Geology, Water (Hydrology and Hydrogeology), Air Quality, Climate, Noise and Vibration, Landscape and Visual, Cultural Heritage (Archaeological, Architectural and Cultural Heritage), Material Assets (Roads and Traffic, Telecommunications, Utilities and Waste Management), Aviation, and Vulnerability to/from Major Accidents and Natural Disasters as a result of the Proposed Project, as described in Chapter 4 (Description of the Proposed Project) of this EIAR. Identified effects from Chapter 5 to Chapter 17 have been outlined below in terms of their relevant Topic, Pre-Mitigation Effect, Mitigation Section Reference, Residual Effect and overall Significance. The purpose of this chapter is to clearly outline the effects discussed in Chapters 5 to 17 and identify the overall significance. Each chapter is presented in its own individual table below to identify the effects. Where there is no effect or no mitigation applicable or required N/A is stated in the table.

Where any potential negative effects have been identified during the assessment process, these impacts have been avoided or reduced by design and the proposed mitigation measures which are discussed in EIAR Chapters 5 to 17 and Chapter 19 Schedule of Mitigation and Monitoring.

20.1.1 Statement of Authority

This section of the EIAR has been drafted by Catherine Johnson, with input from Joye Atkinson, and reviewed by Ellen Costello and Sean Creedon, all of MKO.

Catherine is a Project Environmental Scientist at MKO with 4 years of consultancy experience in climate, renewable energy, and sustainability. Prior to joining MKO in 2022, Catherine worked as an Environmental Social Governance (ESG) analyst for Acasta in Edinburgh. Catherine has expertise in international climate law and policy, earth science, and sustainability/ESG processes. Catherine has a BSc in Earth and Ocean Science and an LLM in Global Environment and Climate Change Law.

Joye Atkinson is an Environmental Scientist with MKO with over 1 year of experience in both private practice and local authorities. Joye holds a BSc in Geography and Sociology from UCD. Joye has knowledge of planning systems having completed a one-year internship with RMLA Planning. Her key strengths and areas of expertise are in report writing, QGIS and ArcGIS pro and mapping.

Ellen is a Senior Environmental Scientist with over 6 years of consultancy experience with MKO and has been involved in a number of wind energy EIAR applications involving the compilation of numerous chapters including chapters on Material Assets. Ellen holds a BSc. in Earth Science and a MSc. in Climate Change: Integrated Environmental and Social Science Aspects.

This report has been reviewed by Sean Creedon (B.Sc., M.Sc.). Sean has 23 years' experience in planning and environmental impact elements within all stages of wind farm project delivery.

The technical experts who have authored Chapters 5 to 17 of the EIAR are listed within the relevant EIAR chapter.

20.2 EIA Classification Summary Tables

20.2.1 Population and Human Health

Topic	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
Construction Phase				
Population Levels	Neutral, Not Significant and Short-Term	Section 5.7.2.1.1 – No mitigation required	Neutral, Not Significant and Short-Term	Not Significant
Employment and Investment	Short-term, Moderate, Positive	Section 5.7.2.1.2- No mitigation required	Short-term, Moderate, Positive	Not Significant
Land Use Patterns & Activities	Short-Term, Slight, Negative	Section 5.7.2.1.3	Permanent, Not Significant, Negative	Not Significant
Property Values	Short-Term, Slight, Negative	Section 5.7.2.1.4	Short-Term, Imperceptible, Negative	Not Significant
Tourism	Short-Term, Slight, Negative	Section 5.7.2.1.5	Short-Term, Imperceptible, Negative	Not Significant
Residential Amenity	Short-Term, Moderate, Negative	Section 5.7.2.1.6	Short-Term, Slight, Negative	Not Significant
Health & Safety	Short-term, Significant, Negative	Section 5.7.2.2.1	Short-Term, Slight, Negative	Not Significant
Air Quality: Dust and Exhaust Emissions	Short-Term, Moderate, Negative	Section 5.7.2.2.2	Short-Term, Slight, Negative	Not Significant
Climate	Short-Term, Slight, Negative	Section 5.7.2.2.3	Permanent, Slight, Negative	Not Significant
Water Quality	Long-Term, Negative, Imperceptible	Section 5.7.2.2.4	Long-Term, Imperceptible, Negative	Not Significant
Noise and Vibration	Short-Term, Not Significant, Negative	Section 5.7.2.2.5	Short-Term, Not Significant, Negative	Not Significant
Traffic and Transport	Short-Term, Slight, Negative	Section 5.7.2.2.6	Short-Term, Slight, Negative	Not Significant

Major Accidents and Natural Disasters	Temporary, Moderate, Negative	Section 5.7.2.2.7	Temporary, Slight, Negative	Not Significant
Aviation	Significant, Long-Term, Negative Effect	Section 5.7.2.2.8	Negative, Significant, Long-Term OR Negative, Imperceptible Permanent	Significant
Shadow Flicker	N/A	N/A	N/A	N/A
Interference with Telecommunication Systems and EMF	N/A	N/A	N/A	N/A
Operational Phase				
Population Levels	No identified impacts	Section 5.7.3.1.1 – No mitigation required	No identified impacts	Not Significant
Employment and Investment	Long-Term, Slight, Positive	Section 5.7.3.1.2 – No mitigation required	Long-Term, Slight, Positive	Not Significant
Land Use Patterns and Activities	Permanent, Slight, Neutral	Section 5.7.3.1.3 – No mitigation required	Permanent, Slight, Neutral	Not Significant
Property Values	Short-Term, Slight, Negative	Section 5.7.3.1.4	Short-Term, Imperceptible, Negative	Not Significant
Tourism	Long-term, Moderate, Positive	Section 5.7.3.1.5	Long-Term, Moderate, Positive	Not Significant
Residential Amenity	Air Quality: Long-Term, Significant, Positive Noise and Vibration: Long-term, Not Significant, Negative Visual: Long-Term, Negative, And Slight	Section 5.7.3.1.6	Long-Term, Slight, Negative	Not Significant

Health and Safety	Long-term, Slight, Negative	Section 5.7.3.2.1	Long-Term, Imperceptible, Negative	Not Significant
Air Quality	Long-Term, Significant, Positive	Section 5.7.3.2.2	Long-Term, Significant, Positive	Significant
Climate	Long-Term, Significant, Positive	Section 5.7.3.2.3	Long-Term, Significant, Positive	Not Significant
Water Quality	Temporary, Significant, Negative	Section 5.7.3.2.4	Temporary, Imperceptible, Negative	Not Significant
Noise and Vibration	Long-Term, Not Significant, Negative	Section 5.7.3.2.5	Long-Term, Not Significant, Negative	Not Significant
Traffic and Transport	Long-Term, Imperceptible, Negative	Section 5.7.3.2.6 – No mitigation required	Long-Term, Imperceptible, Negative	Not Significant
Major Accidents and Natural Disasters	Temporary, Moderate, Negative	Section 5.7.3.2.7	Temporary, Slight, Negative	Not Significant
Aviation	Negative, Significant, Long-Term	Section 5.7.3.2.8	Negative, Significant, Long-Term OR Negative, Imperceptible Permanent	Significant
Shadow Flicker	Long-Term, Moderate, Negative	Section 5.7.3.2.9	Long-Term, Imperceptible, Negative	Not Significant
Interference with Communication Systems and EMF	Long-Term, Not Significant, Negative	Section 5.7.3.2.10	Long-Term, Not Significant, Negative	Not Significant
Decommissioning Phase				
Population and Human Health	Any impact and consequential effect that occurs during the decommissioning phase will be similar to that which occurs during the construction phase, however to a lesser	Section 5.7.4	N/A	N/A

	extent and lesser duration, and the mitigation measures outlined in Section 5.7.2 will be implemented during the decommissioning phase also			

20.2.2 Biodiversity

Topic	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
Construction Phase				
European Designated Sites	Effects on European Designated Sites are addressed in the NIS. The NIS finds that it can be objectively concluded that the Proposed Project, individually or in combination with other plans or projects, will not adversely affect the integrity of any European Site.			
Nationally Designated Sites	Short-term, Negative, Significant at the local geographic scale. Note that pNHAs considered for impacts on bird species are addressed separately in Chapter 7 Ornithology	Section 6.4.5.2	No significant residual effect at any geographic scale	Not Significant
Raised Bog	**Habitat Loss** Long-term, Negative, Not Significant at any geographic scale **Habitat Degradation (Drainage)** Short-term, Negative, Not Significant at any geographic scale **Habitat Degradation (Dust Deposition)** Short-term, Negative, Not Significant at any geographic scale	Section 6.4.2.1.1	No significant residual effect at any geographic scale	Not Significant
Cutover Bog and Associated Secondary Habitats	**Habitat Loss** Permanent, Negative, Significant at the local scale	Section 6.4.2.1.2	No significant residual effect at any geographic scale	Not Significant

Topic	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
	Habitat Degradation (Drainage Effects) Short-term, Negative, Not Significant on any geographic scale **Habitat Degradation (Dust Deposition)** Short-term, Negative, Not Significant at any geographic scale			
Bog Woodland and Scrub	**Habitat Loss** Permanent, Negative, Significant at the local scale	Section 6.4.2.1.3	Short/Medium-term negative significant residual effects	Not Significant
Treelines	**Habitat Loss** Short-term, Negative, Not Significant at any geographic scale	Section 6.4.2.1.4	No significant negative residual effect at any geographic scale	Not Significant
Aquatic Habitats and Associated Aquatic Species	**Habitat Loss** Permanent, Negative, Significant at the local and international scale (SAC associated species) **Direct Disturbance and Mortality** Temporary, Negative, Significant at the local and international scale (SAC associated species) **Habitat Degradation** Short-term, Negative, Significant at the local, national and international scales	Section 6.4.2.1.5	No significant residual effect at any geographic scale	Not Significant
Rare and Threatened Flora	**Direct Loss** Permanent, Negative, Significant at the local scale	Section 6.4.2.2	No significant residual effect at any geographic scale	Not Significant

Topic	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
	Habitat Degradation Short-term, Negative, Not Significant at any geographic scale			
Badger	**Disturbance and Mortality** Permanent, Negative, Significant at the local scale **Habitat Loss** Permanent, Negative, Not Significant at any geographic scale	Section 6.4.2.3.1	No significant residual effect at any geographic scale	Not Significant
Otter	**Disturbance and Mortality** Short-term, Negative, Not Significant at any geographic scale **Habitat Degradation** Short-term, Negative, Significant at local and international scales	Section 6.4.2.3.2	No significant residual effect at any geographic scale	Not Significant
Other Non-Valant Mammals	**Habitat Loss** Permanent, Negative, Not Significant at any geographic scale **Disturbance and Mortality** Permanent, Negative, Significant at the local scale	Section 6.4.2.3.3	No significant residual effect at any geographic scale	Not Significant
Bats	**Loss or Damage to Commuting and Foraging Habitat** Permanent, Negative, Significant at the local scale **Disturbance and Displacement**	Section 6.4.2.3.4	No significant residual effect at any geographic scale	Not Significant

Topic	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
	Short-term, Negative, Not Significant at ant geographic scale			
Marsh Fritillary	**Disturbance and Mortality** Permanent, Negative, Significant at a county scale **Habitat Loss** Permanent, Negative, Significant at the local scale **Habitat Degradation** Short-term, Negative, Significant at the local scale	Section 6.4.2.3.5	No significant residual effects at any geographic scale	Not Significant
Other Pollinators	Permanent, Negative, Not Significant at any geographic scale	Section 6.4.2.3.6	No significant residual effects at any geographic scale	
Operational Phase				
Bats	Permanent, Negative, Significant at the local scale	Section 6.4.3.2.1	No significant residual effects at any geographic scale	Not Significant
Decommissioning Phase				
Biodiversity	The potential impacts associated with decommissioning of the Proposed Project will be similar to those associated with construction but of a reduced magnitude, due to the reduced scale of the proposed decommissioning works in comparison to construction phase works.	Section 6.4.4	No significant residual effects at any geographic scale	Not Significant

20.2.3 Ornithology

Species	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
Construction Phase				
Golden Plover (winter)	**Direct Habitat Loss**: Long-Term, Slight, Negative **Disturbance**: Short-Term, Slight, Negative	Section 7.6.1 Section 7.6.2 Section 7.9.1	No effect greater than slight	Not Significant
Greenland White-fronted Goose (winter)	**Direct Habitat Loss**: No Effect **Disturbance**: Short-Term Imperceptible Negative	Section 7.6.1 Section 7.6.2 Section 7.9.1	No effect greater than imperceptible	Not Significant
Hen Harrier (winter)	**Direct Habitat Loss**: Long-Term, Slight, Negative **Disturbance**: Short-Term, Slight, Negative	Section 7.6.1 Section 7.6.2 Section 7.9.1	No effect greater than slight	Not Significant
Kingfisher (all seasons)	**Direct Habitat Loss**: Long-Term, Slight, Negative **Disturbance**: Short-Term Imperceptible Negative	Section 7.6.1 Section 7.6.2 Section 7.9.1	No effect greater than slight	Not Significant
Little Egret (all seasons)	**Direct Habitat Loss**: Long-Term, Slight, Negative	Section 7.6.1 Section 7.6.2 Section 7.9.1	No effect greater than slight	Not Significant

Species	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
	Disturbance: Short-Term, Slight, Negative			
Merlin (all seasons)	**Direct Habitat Loss**: Long-Term, Slight, Negative **Disturbance**: short-term slight negative effect	Section 7.6.1 Section 7.6.2 Section 7.9.1	No effect greater than slight	Not Significant
Peregrine (all seasons)	**Direct Habitat Loss**: Long-Term, Slight, Negative **Disturbance**: short-term slight negative effect	Section 7.6.1 Section 7.6.2 Section 7.9.1	No effect greater than slight	Not Significant
Whooper Swan (winter)	**Direct Habitat Loss**: Long-Term, Significant, Negative **Disturbance**: Short-Term, Significant, Negative	Section 7.6.1 Section 7.6.2 Section 7.6.3 Section 7.9.1	No effect greater than slight	Not Significant
Lesser Black-backed Gull (winter)	**Direct Habitat Loss**: Long-Term, Slight, Negative **Disturbance**: Short-Term, Slight, Negative	Section 7.6.1 Section 7.6.2 Section 7.9.1	No effect greater than slight	Not Significant
Barn Owl (all seasons)	**Direct Habitat Loss**: Long-Term, Slight, Negative	Section 7.6.1 Section 7.6.2	No effect greater than slight	Not Significant

Species	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
	Disturbance: Short-Term, Slight, Negative	Section 7.9.1		
Curlew (winter)	**Direct Habitat Loss**: Long-Term, Slight, Negative **Disturbance**: Short-Term, Imperceptible, Negative	Section 7.6.1 Section 7.6.2 Section 7.9.1	No effect greater than slight	Not Significant
Curlew (breeding)	**Direct Habitat Loss**: Long-Term, Slight, Negative **Disturbance**: Short-Term, Slight, Negative	Section 7.6.1 Section 7.6.2 Section 7.9.1	No effect greater than slight	Not Significant
Kestrel (all seasons)	**Direct Habitat Loss**: Long-Term, Slight, Negative **Disturbance**: Short-Term, Slight, Negative	Section 7.6.1 Section 7.6.2 Section 7.9.1	No effect greater than slight	Not Significant
Lapwing (winter)	**Direct Habitat Loss**: Long-Term, Slight, Negative **Disturbance**: Short-Term, Slight, Negative	Section 7.6.1 Section 7.6.2 Section 7.9.1	No effect greater than slight	Not Significant
Lapwing (breeding)	**Direct Habitat Loss**:	Section 7.6.1 Section 7.6.2	No effect greater than slight	Not Significant

Species	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
	Long-Term, Significant, Negative **Disturbance**: Short-Term, Significant, Negative	Section 7.6.3.4 Section 7.9.1		
Snipe (all seasons)	**Direct Habitat Loss**: Long-Term, Slight, Negative **Disturbance**: Short-Term, Significant, Negative	Section 7.6.1 Section 7.6.2 Section 7.6.3.5 Section 7.9.1	No effect greater than slight	Not Significant
Woodcock (all seasons)	**Direct Habitat Loss**: Long-Term, Slight, Negative **Disturbance**: Short-Term, Slight, Negative	Section 7.6.1 Section 7.6.2 Section 7.9.1	No effect greater than slight	Not Significant
Buzzard (all seasons)	**Direct Habitat Loss**: Long-Term, Slight, Negative **Disturbance**: Short-Term, Slight, Negative	Section 7.6.1 Section 7.6.2 Section 7.9.1	No effect greater than slight	Not Significant
Long-eared Owl (all seasons)	**Direct Habitat Loss**: Long-Term, Slight, Negative **Disturbance**: Short-Term, Slight, Negative	Section 7.6.1 Section 7.6.2 Section 7.9.1	No effect greater than slight	Not Significant

Species	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
Sparrowhawk (all seasons)	**Direct Habitat Loss**: Long-Term, Slight, Negative **Disturbance**: Short-Term, Slight, Negative	Section 7.6.1 Section 7.6.2 Section 7.9.1	No effect greater than slight	Not Significant
Operational Phase				
Golden Plover (winter)	**Direct Habitat Loss**: No Effect **Displacement:** Long-Term, Significant, Negative **Barrier Effect**: Long-Term, Slight, Negative **Collision Risk**: Long-Term, Significant, Negative	Section 7.6.1 Section 7.6.3.1 Section 7.9.2	No effect greater than slight	Not Significant
Greenland White-fronted Goose (winter)	**Direct Habitat Loss:** No Effect **Displacement and Barrier Effect**: Long-Term, Imperceptible, Negative **Collision Risk**: Long-Term, Imperceptible, Negative	Section 7.6.1 Section 7.9.2	No effect greater than imperceptible	Not Significant
Hen Harrier (winter)	**Direct Habitat Loss:**	Section 7.6.1	No effect greater than slight	Not Significant

Species	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
	No Effect **Displacement and Barrier:** Long-Term, Significant, Negative **Barrier Effect**: Long-Term, Slight, Negative **Collision Risk**: Long-Term, Slight, Negative	Section 7.6.3.2 Section 7.9.2		
Kingfisher (all seasons)	**Direct Habitat Loss:** No Effect **Displacement and Barrier Effect**: Long-Term, Imperceptible, Negative **Collision Risk**: No Effect	Section 7.6.1 Section 7.9.2	No effect greater than imperceptible	Not Significant
Little Egret (all seasons)	**Direct Habitat Loss:** No Effect **Displacement and Barrier Effect**: Long-Term, Slight, Negative **Collision Risk**: Long-Term, Imperceptible, Negative	Section 7.6.1 Section 7.9.2	No effect greater than slight	Not Significant

Species	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
Merlin (all seasons)	**Direct Habitat Loss:** No Effect **Displacement and Barrier Effect**: Long-Term, Slight, Negative **Collision Risk**: Long-Term, Imperceptible, Negative	Section 7.6.1 Section 7.9.2	No effect greater than slight	Not Significant
Peregrine (all seasons)	**Direct Habitat Loss:** No Effect **Displacement and Barrier Effect**: Long-Term, Slight, Negative **Collision Risk**: Long-Term, Slight, Negative	Section 7.6.1 Section 7.9.2	No effect greater than slight	Not Significant
Whooper Swan (winter)	**Direct Habitat Loss**: No Effect **Displacement:** Long-Term, Significant, Negative **Barrier Effect**: Long-Term, Slight, Negative **Collision Risk**:	Section 7.6.1 Section 7.6.3.3 Section 7.9.2	No effect greater than slight	Not Significant

Species	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
	Long-Term, Imperceptible, Negative			
Lesser Black-backed Gull (winter)	**Direct Habitat Loss:** No Effect **Displacement and Barrier Effect**: Long-Term, Slight, Negative **Collision Risk**: Long-Term, Slight, Negative	Section 7.6.1 Section 7.9.2	No effect greater than slight	Not Significant
Barn Owl (all seasons)	**Direct Habitat Loss:** No Effect **Displacement and Barrier Effect**: Long-Term, Slight, Negative **Collision Risk**: No Effect	Section 7.6.1 Section 7.9.2	No effect greater than slight	Not Significant
Curlew (winter)	**Direct Habitat Loss:** No Effect **Displacement and Barrier Effect**: Long-Term, Imperceptible, Negative **Collision Risk**: No Effect	Section 7.6.1 Section 7.9.2	No effect greater than imperceptible	Not Significant

Species	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
Curlew (breeding)	**Direct Habitat Loss:** No Effect **Displacement and Barrier Effect**: Long-Term, Slight, Negative **Collision Risk**: Long-Term, Slight, Negative	Section 7.6.1 Section 7.9.2	No effect greater than slight	Not Significant
Kestrel (all seasons)	**Direct Habitat Loss:** No Effect **Displacement and Barrier Effect**: Long-Term, Slight, Negative **Collision Risk**: Long-Term, Slight, Negative	Section 7.6.1 Section 7.9.2	No effect greater than slight	Not Significant
Lapwing (winter)	**Direct Habitat Loss:** No Effect **Displacement and Barrier Effect**: Long-Term, Slight, Negative **Collision Risk**: Long-Term, Slight, Negative	Section 7.6.1 Section 7.9.2	No effect greater than slight	Not Significant
Lapwing (breeding)	**Direct Habitat Loss:** No Effect	Section 7.6.1 Section 7.6.3.4	No effect greater than slight	Not Significant

Species	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
	Displacement and Barrier Effect: Long-Term, Significant, Negative **Collision Risk**: Long-Term, Slight, Negative	Section 7.9.2		
Snipe (all seasons)	**Direct Habitat Loss**: No Effect **Displacement:** Long-Term, Significant, Negative **Barrier Effect**: Long-Term, Slight, Negative **Collision Risk**: Long-Term, Slight, Negative	Section 7.6.1 Section 7.6.3.5 Section 7.9.2	No effect greater than slight	Not Significant
Woodcock (all seasons)	**Direct Habitat Loss:** No Effect **Displacement and Barrier Effect**: Long-Term, Slight, Negative **Collision Risk**: Long-Term, Imperceptible, Negative	Section 7.6.1 Section 7.9.2	No effect greater than slight	Not Significant
Buzzard (all seasons)	**Direct Habitat Loss:** No Effect	Section 7.6.1 Section 7.9.2	No effect greater than slight	Not Significant

Species	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
	Displacement and Barrier Effect: Long-Term, Slight, Negative **Collision Risk**: Long-Term, Slight, Negative			
Long-eared Owl (all seasons)	**Direct Habitat Loss:** No Effect **Displacement and Barrier Effect**: Long-Term, Slight, Negative **Collision Risk**: Long-Term, Imperceptible, Negative	Section 7.6.1 Section 7.9.2	No effect greater than slight	Not Significant
Sparrowhawk (all seasons)	**Direct Habitat Loss:** No Effect **Displacement and Barrier Effect**: Long-Term, Slight, Negative **Collision Risk**: Long-Term, Imperceptible, Negative	Section 7.6.1 Section 7.9.2	No effect greater than slight	Not Significant
Decommissioning Phase				
Ornithological Receptors	**Direct Habitat Loss:** No Effect **Disturbance:**	Section 7.9.3	No effect greater than slight	Not Significant

Species	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
	As per construction phase			

20.2.4 Land, Soils and Geology

Topic	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
Construction Phase				
Land and Land use	Long-Term, Moderate, Negative	Section 8.5.2.1	Long-Term, Moderate, Negative	Not Significant
Peat and Subsoil Excavation	Permanent, Moderate, Negative	Section 8.5.2.2	Permanent, Slight, Negative	Not Significant
Leakages and Spillages	Short-Term, Slight, Negative	Section 8.5.2.3	Short-Term, Imperceptible, Negative	Not Significant
Erosion of Exposed Subsoils and Peat	Short-Term, Slight, Negative	Section 8.5.2.4	Short-Term, Slight, Negative	Not Significant
Peat Instability and Failure	Permanent, Significant, Negative	Section 8.5.2.6	Permanent, Imperceptible, Negative	Not Significant
Piling Works	Permanent, Slight, Negative	Section 8.5.2.7 – None Required	Permanent, Imperceptible, Negative	Not Significant
Proposed Onsite Substation and Proposed Offsite Substation	Permanent, Slight/Moderate, Negative	Section 8.5.2.7	Permanent, Slight, Negative	Not Significant
Amenity Proposals	Permanent, Slight, Negative	Section 8.5.2.8	Permanent, Imperceptible, Negative	Not Significant
Proposed Turbine Delivery Route Accommodation Areas	Permanent, Slight, Negative	Section 8.5.2.9	Permanent, Imperceptible, Negative	Not Significant
Proposed Enhancement	Long-Term, Moderate, Positive	Section 8.5.2.10	Long-Term, Moderate, Positive	Not Significant

Proposed Grid Connection OHL Loop in	Permanent, Slight, Negative	Section 8.5.2.11	Permanent, Imperceptible, Negative	Not Significant
Designated Sites	Temporary, Imperceptible, Negative.	Section 8.5.2.12	Temporary, Imperceptible, Negative.	Not Significant
Karst	Short-Term, Slight, Negative	Section 8.5.2.13	Short-Term, Imperceptible, Negative	Not Significant
Operational Phase				
Site Road Maintenance	Short-Term, Imperceptible, Negative	Section 8.5.3.1	Short-Term, Imperceptible, Negative	Not Significant
Site Vehicle / Plant Use	Temporary, Slight, Negative	Section 8.5.3.2	Temporary, Imperceptible, Negative	Not Significant
Use of Oils Substation and Turbine Transformers	Temporary, Slight, Negative	Section 8.5.3.3	Temporary, Imperceptible, Negative	Not Significant
Decommissioning Phase				
Land Soils and Geology	The potential impacts associated with decommissioning of the Proposed Project will be similar to those associated with construction but of reduced magnitude.	N/A	N/A	N/A

20.2.5 Water

Topic	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
Construction Phase				
Earthworks Resulting in Suspended Solids Entrainment in Surface Waters	Temporary, Significant, Negative effect on Figile and Slate rivers Temporary, Imperceptible, Negative effect on River Barrow and River Boyne	Section 9.5.2.1	Temporary, Imperceptible, Negative effect on the Figile and Slate rivers. No residual effect on the River Barrow or River Boyne.	Not Significant
Groundwater Levels During Excavation Works	Temporary, Imperceptible, Negative	Section 9.5.2.2	Temporary, Imperceptible, Negative	Not Significant
Surface Water Quality from Excavation Dewatering	Temporary, Significant, Negative	Section 9.5.2.3	Temporary, Imperceptible, Negative	Not Significant
Leakages or Spillages of Hydrocarbons	Short-Term, Slight, Negative effect on groundwater quality Short-Term, Significant, Negative effect on the Figile and Slate rivers. Short-term, Imperceptible, Negative effect on the River Barrow and River Boyne.	Section 9.5.2.4	Short-term, Imperceptible, Negative effect on groundwater quality and the Figile and Slate rivers. No residual effect on the River Barrow or the River Boyne.	Not Significant
Release of Cement-Based Products	Short-Term, Imperceptible, Negative effect on groundwater quality Short-Term, Moderate, Negative effect on the Figile and Slate rivers.	Section 9.5.2.5	Short-term, Imperceptible, Negative effect on groundwater quality and the Figile and Slate rivers. No residual effect on the River Barrow or the River Boyne.	Not Significant

	Short-term, Imperceptible, Negative effect on the River Barrow and River Boyne.			
Wastewater Disposal	Temporary, Slight, Negative effect on groundwater quality Temporary, Significant, Negative effect on the Figile and Slate rivers. Temporary, Imperceptible, Negative effect on the River Barrow and River Boyne.	Section 9.5.2.6	Temporary, Imperceptible, Negative effect on groundwater quality and the Figile and Slate rivers. No residual effect on the River Barrow or the River Boyne.	Not Significant
Piled Foundations	Short-Term, Moderate, Negative effect on groundwater	Section 9.5.2.7	Short-Term, Imperceptible, Negative effect on groundwater	Not Significant
Morphological Changes to Watercourse at Proposed Wind Farm	Long-Term, Moderate, Negative effect on local watercourses	Section 9.5.2.8	Long-term, Imperceptible, Negative effect on local watercourses.	Not Significant
Morphological Changes to Watercourses at Proposed Grid Connection	Long-term, Moderate, Negative effect on local watercourses	Section 9.5.2.9	Long-term, Imperceptible, Negative effect on local watercourses	Not Significant
Horizontal Directional Drilling	Temporary, Moderate, Negative effect on local watercourses	Section 9.5.2.10	Temporary, Imperceptible, Negative effect on local watercourses	Not Significant
Siltbuster®	Temporary, Slight, Negative effect on local watercourses	Section 9.5.2.11	Temporary, Imperceptible, Negative effect on local watercourses	Not Significant
Clear-Felled Forestry and Vegetation Removal	Temporary, Significant, Negative effect on the Figile and Slate rivers. Temporary, Imperceptible, Negative effect on the River Barrow and River Boyne.	Section 9.5.2.12	Temporary, Imperceptible, Negative effect on the Figile and Slate rivers. No residual effect on the River Barrow or the River Boyne.	Not Significant

Water Quality During Fluvial Flooding	Temporary, Significant, Negative effect on the Figile and Slate rivers. Temporary, Imperceptible, Negative effect on the River Barrow and River Boyne.	Section 9.5.2.13	Temporary, Imperceptible, Negative effect on the Figile and Slate rivers. No residual effect on the River Barrow or the River Boyne.	Not Significant
Karst	Short-term, Slight, Negative effect	Section 9.5.2.14	Short-term, Imperceptible, Negative effect	Not Significant
Hydrologically Connected Designated Sites	Short-term, Slight, Negative effect on the Long Derries, Edenderry SAC/pNHA, Grand Canal pNHA and Ballynafagh Lake SAC Short-term, Imperceptible, Negative effect on the River Barrow and River Nore SAC	Section 9.5.2.15	Short-Term, Imperceptible, Negative effect on the Long Derries, Edenderry SAC/pNHA, Grand Canal pNHA and Ballynafagh Lake SAC No residual effect on the River Barrow and River Nore SAC	Not Significant
Groundwater Abstractions (Public and Private)	Long-Term, Imperceptible, Negative	Section 9.5.2.16	Long-Term, Imperceptible, Negative	Not Significant
Surface Water Drinking Supplies	Short-Term, Imperceptible, Negative	Section 9.5.2.17	No Residual Effects	Not Significant
WFD Status and Objectives	Temporary, Moderate, Negative effect on SWBs Temporary, Slight, Negative effect on GWBs	Section 9.5.2.18	No Residual Effects	Not Significant
Biodiversity Enhancement	Permanent, Slight, Positive	Section 9.5.2.19	Permanent, Slight, Positive	Not Significant
Amenity Proposals	Short-term, Slight, Negative effect on local watercourses Short-term, Imperceptible, Negative effects on groundwater	Section 9.5.2.20	Short-Term, Imperceptible, Negative effect on local watercourses No residual effect on groundwater	Not Significant

TDR Accommodation Areas	Short-term, Slight, Negative effect on local watercourses Short-term, Imperceptible, Negative effects on groundwater	Section 9.5.2.21	Short-Term, Imperceptible, Negative effect on local watercourses No residual effect on groundwater	Not Significant
Wetlands	Temporary, Slight, Negative	Section 9.5.2.22	Temporary, Imperceptible, Negative	Not Significant
Raised Bog	Indirect, Negative, Imperceptible, Short-term	Section 9.5.2.23	Negative, Imperceptible, Indirect	Not Significant
Operational Phase				
Progressive Replacement of Natural Surface with Lower Permeability Surfaces	Long-term, Slight, Negative effect on local watercourses	Section 9.5.3.1	Long-Term, Imperceptible, Negative effect on local watercourses	Not Significant
Suspended Solids Entrainment in Surface Waters	Temporary, Slight, Negative effect on local watercourses	Section 9.5.3.2	Temporary, Imperceptible, Negative effect on local watercourses	Not Significant
Release of Cement-Based Products	Long-term, Imperceptible, Negative effect on the Slate and Figile rivers and groundwater quality	Section 9.5.3.3	Long-term, Imperceptible, Negative effect on the Slate and Figile rivers and groundwater quality	Not Significant
Release of Wastewater	Temporary, Significant, Negative effect on Figile and Slate rivers Temporary, Slight, Negative effect on local groundwater	Section 9.5.3.4	Temporary, Imperceptible, Negative effect on Figile and Slate rivers and groundwater	Not Significant
Proposed Water Supply	Permanent, Imperceptible, Negative	Section 9.5.3.5	Permanent, Imperceptible, Negative	Not Significant
Flood Risk	Long-term, Moderate, Negative effect on WF infrastructure	Section 9.5.3.6	Short-Term, Imperceptible, Negative effect	Not Significant

	Long-term, Imperceptible, Negative effect on downstream receptors			
WFD Status and Objectives	N/A	N/A	N/A	N/A
Turbine Blade Erosion	Negative, Imperceptible, Indirect, Long-term	Section 9.5.3.8	Negative, Imperceptible, Indirect, Long-term	Not Significant
Decommissioning Phase				
Water	The potential impacts associated with decommissioning of the Proposed Project will be similar to those associated with construction but of a reduced magnitude, due to the reduced scale of the proposed decommissioning works in comparison to construction phase works.	N/A	N/A	N/A

20.2.6 Air Quality

Topic	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
Construction				
Exhaust Emissions	Short-Term, Moderate, Negative	Section 10.3.2.1	Short-Term, Slight, Negative	Not Significant
Dust Emissions	Short-Term, Moderate, Negative	Section 10.3.2.2	Short-Term, Slight, Negative	Not Significant
Operational Phase				
Exhaust Emissions	Long-Term, Slight, Negative	Section 10.3.3.1	Long-Term, Imperceptible, Negative	Not Significant
Dust Emissions	Long-Term, Imperceptible, Negative	Section 10.3.3.2	Long-Term, Imperceptible, Negative	Not Significant
Air Quality	Long-Term, Significant, Positive	N/A	Long-term, Significant, Positive	Significant
Human Health	Long-term, Moderate, Positive	N/A	No residual effect	Not Significant
Decommissioning Phase				
Air Quality	Any impact and consequential effect that occurs during the decommissioning phase will be similar to that which occurs during the construction phase, however to a lesser extent and lesser duration, and the mitigation measures outlined in Section 10.3.2 will be implemented during the decommissioning phase as well.	10.3.4	N/A	N/A

20.2.7 Climate

Topic	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
		Construction Phase		
Greenhouse Gas Emissions	**Proposed Project**: Short-Term, Moderate, Negative **Transportation**: Short-Term, Slight and Negative **Waste Disposal**: Short-Term, Moderate and Negative	Section 11.5.2	Permanent, Slight, Negative	Not Significant
		Operational Phase		
Greenhouse Gas Emissions	**Proposed Project**: Long-Term, Significant, Positive **Transportation**: Long-Term, Imperceptible, Negative **Waste Disposal**: Short-Term, Imperceptible, Negative	Section 11.5.3	Long-Term, Significant, Positive	Significant
		Decommissioning Phase		
Climate	Any impact and consequential effect that occurs during the decommissioning phase will be similar to that which occurs during the construction phase, however to a lesser extent and lesser duration, and the mitigation measures	11.5.3	N/A	N/A

	outlined in Section 11.5.2 will be implemented during the decommissioning phase also.			

20.2.8 Noise and Vibration

Topic	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
Construction Phase				
Proposed Turbines, Hardstands, and 2 no. Met Mats	Negative, Not Significant, Short Term	Section 12.7.1	Negative, Not Significant, Short Term	Not Significant
Access Roads, Internal Roads and Amenity Access Tracks	Negative, Not Significant, Temporary	Section 12.7.1	Negative, Not Significant, Temporary	Not Significant
Temporary Construction Compounds	Negative, Not Significant, Temporary	Section 12.7.1	Negative, Not Significant, Temporary	Not Significant
Proposed Enhancement Areas	Negative, Not Significant, Short Term	Section 12.7.1	Negative, Not Significant, Short Term	Not Significant
Peat and Spoil Areas	Negative, Not Significant, Short Term	Section 12.7.1	Negative, Not Significant, Short Term	Not Significant
Construction Traffic	Negative, Not Significant to Moderate, Short Term	Section 12.7.1	Negative, Not Significant to Moderate, Short Term	Negative, Not Significant to Moderate, Short Term
Substation Construction	Negative, Not Significant, Short Term	Section 12.7.1	Negative, Not Significant, Short Term	Not Significant
Proposed Grid Connection Underground Electrical Cabling	Negative, Slight, Temporary	Section 12.7.1	Negative, Not Significant, Temporary	Not Significant
Operational Phase				

Proposed Turbine Noise	Negative, Not Significant, Long Term	Section 12.7.2	Negative, Not Significant, Long Term	Not Significant
Fixed Plant Noise	Negative, Not Significant, Long Term	Section 12.7.2	Negative, Not Significant, Long Term	Not Significant
Decommissioning Phase				
Noise and Vibration	Negative, Not Significant, Short Term	Section 12.7.1.1 and 12.7.3	Negative, Not Significant, Short Term	Not Significant

20.2.9 Landscape and Visual

Topic	Impact Assessment Discussion Section Reference	Residual Effect	Significance
Construction Phase			
Proposed Project	Section 13.8.2.1 Section 13.8.2.1.1 Section 13.8.2.2.3	Short-Term, Negative effects, within the following range: Slight – Moderate	Not Significant
Nearby Visual Receptors	Section 13.8.2.2.1 Section 13.8.2.2.2 Section 13.8.2.2.3	Temporary to Short-Term, Negative effects, within the following range: Not Significant – Moderate	Not Significant
Operational Phase – Landscape Effects			
Proposed Project	Section 13.8.3.1.1	Long-Term, Moderate, Negative	Not Significant
LCAs	Section 13.8.3.1.2	Long-Term, Negative effects, within the following range: Not Significant – Moderate	Not Significant
Other Landscape Receptors (AHAs, Peatland & Nature Corridor, Local Landscape Receptors, Tentative UNESCO Landscape Receptors)	Section 13.8.3.1.3 Section 13.8.3.1.4 Section 13.8.3.1.5	Long-Term, Negative effects, within the following range: Not Significant – Moderate	Not Significant

Operational Phase – Visual Effects			
Designated Scenic Routes, Views and Prospects	Section 13.8.3.2.3	Long-Term, Negative effects, within the following range: Imperceptible – Significant	While Significant effects are identified at 2 no. viewpoint locations (VP01 and VP12), these effects are localised to elevated hilltop views at the Chair of Kildare / Six Hills and very short portions of KCDP Scenic Routes 06 and 08. On balance the overall effect on Designated Scenic Routes, Views and Prospects is not significant.
Settlements	Section 13.8.3.2.3	Long-Term, Negative effects, within the following range: Not Significant – Significant	Significant at 1 no. location (VP15, elevated vantage point in Edenderry) / not significant at all other assessed locations
Recreational Routes	Section 13.8.3.2.3	Long-Term, Negative effects, within the following range: Imperceptible – Moderate	Not Significant
Recreational Destinations, Cultural Heritage and Tourism Destinations	Section 13.8.3.2.3	Long-Term, Negative effects, within the following range: Imperceptible – Significant	Significant at 1 no. location (Blundell Castle, VP15) / not significant at all other assessed locations
Residential Receptors	Section 13.8.3.2.4	Long-Term, Negative effects, within the following range: Slight – Significant	Significant at 2 no. locations (VP05 and VP15) / not significant at all other assessed locations
Proposed Grid Connection (Onsite and Offsite Substations, OHL Connection)	Section 13.8.3.2.5	Long-Term, Negative effects, within the following range: Slight – Moderate	Not Significant

Decommissioning Phase			
Proposed Project	Section 13.8.4	(same as construction phase effects)	Not Significant

20.2.10 Cultural Heritage

Cultural Heritage	Pre-Mitigation Effect	Section Reference	Residual Effect	Significant
Construction Phase				
UNESCO WHS and those on the Tentative List	No Direct Effects	N/A	No Direct Effects	Not Significant
National Monuments and those Subject to a Preservation Order	No Direct Effects	N/A	No Direct Effects	Not Significant
Recorded Monuments	Permanent, Moderate, Negative	Section 14.4.3.3	Permanent, Slight, Negative	Not Significant
Previously Unrecorded Monuments	No Direct Effects	N/A	No Direct Effects	Not Significant
Sub-surface Archaeology	Permanent, Significant, Negative	Section 14.4.3.5	Long-Term, Slight, Negative	Not Significant
Protected Structures	No Direct Effects	N/A	No Direct Effects	Not Significant
NIAH Structures and Historic Gardens	No Direct Effects	N/A	No Direct Effects	Not Significant
Items of Local Cultural Heritage Merit	No Direct Effects	N/A	No Direct Effects	Not Significant
Operational Phase				
UNESCO WHS and those on the Tentative List	Long-Term, Not Significant, Negative	Section 14.4.4.1	Long-Term, Not Significant, Negative	Not Significant
National Monuments	Long Term, Moderate to Imperceptible, Negative	Section 14.4.4.2	Long Term, Moderate to Imperceptible, Negative	Not Significant

Recorded Monuments	Neutral to Moderate, Negative, Long term	Section 14.4.4.3	Neutral to Moderate, Negative, Long term	Not Significant
Previously Unrecorded Monuments	No Potential Visual Effects	N/A	No Potential Visual Effects	Not Significant
Sub-surface Archaeology	No Potential Visual Effects	N/A	No Potential Visual Effects	Not Significant
Archaeological Landscapes	No Potential Visual Effects	N/A	No Potential Visual Effects	Not Significant
Protected Structures	Neutral to Moderate, Negative, Long Term	Section 14.4.4.7	Neutral to Moderate, Negative, Long Term	Not Significant
NIAH Structures and Historic Gardens	Neutral to Moderate, Negative, Long Term	Section 14.4.4.8	Neutral to Moderate, Negative, Long Term	Not Significant
Items of Local Cultural Heritage Merit	No Potential Visual Effects	N/A	No Potential Visual Effects	Not Significant
Decommissioning Phase				
Neutral	Neutral	Section 14.6	Neutral	Neutral

20.2.11 Material Assets

Topic	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
Construction Phase				
Traffic and Transport				
Proposed Turbine Delivery Route	Short-Term, Slight, Negative	Section 15.1.8.6.1	Short-Term, Slight, Negative	Not Significant
Delivery of Construction Materials	Short-Term, Slight, Negative	Section 15.1.8.6.1	Short-Term, Slight, Negative	Not Significant

Proposed Grid Connection underground electrical cabling route	Short-Term, Slight/Moderate, Negative	Section 15.1.8.6.1	Short-Term, Slight, Negative	Not Significant
Telecommunications				
Telecoms	N/A - There are no electromagnetic interference impacts associated with the construction or decommissioning phases of the Proposed Project			
Other Material Assets				
Electricity	Temporary, Moderate, Negative	Section 15.3.5.2.1	Temporary, Not Significant, Negative	Not Significant
Water	Long-Term, Slight, Negative	Section 15.3.5.2.2	Long-Term, Imperceptible, Negative	Not Significant
Waterways	Short-term, Slight, Negative	Section 15.3.5.2.3	Temporary, Imperceptible, Negative	Not Significant
Waste Management	Short-term, Moderate, Negative	Section 15.3.5.2.4	Short-term, Slight, Negative	Not Significant
Gas	Short-term, Slight, Negative	Section 15.3.5.2.5	Short-term, Imperceptible, Negative	Not Significant
Operational Phase				
Traffic and Transport				
Traffic and Transport	Long-Term, Imperceptible, Negative	Section 15.1.8.6.2	Long-Term, Imperceptible, Negative	Not Significant
Telecommunications				
Telecommunication	Long-Term, Moderate, Negative	Section 15.2.7.3.1	Long-Term, Not-Significant, Neutral	Not Significant
Other Material Assets				
Electricity	Long-Term, Significant, Positive	Section 15.3.5.3.1	Long-Term, Significant, Positive	Significant

Water	Long-Term, Slight, Negative	Section 15.3.5.3.2	Long-Term, Imperceptible, Negative	Not Significant
Waterways	Long-Term, Slight, Negative	Section 15.3.5.3.3	Long-Term, Imperceptible, Negative	Not Significant
Waste Management	Short-Term, Moderate, Negative	Section 15.3.5.3.4	Short-Term, Slight, Negative	Not Significant
Gas	Long-Term, Imperceptible Negative	N/A	Long-Term, Imperceptible, Negative	Not Significant
Decommissioning Phase				
Traffic and Transport				
Traffic and Transport	Temporary, Imperceptible Negative	Section 15.1.8.6.3	Temporary, Imperceptible Negative	Not Significant
Telecommunications				
Telecommunications	N/A - There are no electromagnetic interference impacts associated with the decommissioning phases of the Proposed Project			
Other Material Assets				
Other Material Assets	Any impact and consequential effect that occurs during the decommissioning phase will be similar to or to a lesser extent to that which occurs during part of the construction phase.			Not Significant

20.2.12 Aviation

Topic	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
Construction Phase				
Restricted Airspace	Negative, Slight Short-Term	Section 16.9.2.1	Negative, Imperceptible Short-Term	Not Significant

Topic	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
Low Flying Areas	Negative, Significant, Long-Term	Section 16.9.2.2	Negative, Significant, Long-Term OR Negative, Imperceptible Permanent	Significant
Primary Surveillance Radar, Secondary Surveillance Radar, and Meteorological Radar	N/A	N/A	N/A	N/A
Aerodrome Safeguarding	Negative, Slight, Long-Term	Section 16.9.2.4	No Residual Effects	Not Significant
Operational Phase				
Restricted Airspace	Negative, Slight, Long-Term	Section 16.9.3.1	Negative, Imperceptible, Long-Term	Not Significant
Low Flying Areas	Negative, Significant, Long-Term	Section 16.9.3.2	Negative, Significant, Long-Term OR Negative, Imperceptible Permanent	Significant
Primary Surveillance Radar	Negative, Imperceptible, Long-Term	Section 16.9.3.3	Negative, Imperceptible, Long-Term	Not Significant
Secondary Surveillance Radar	Negative, Imperceptible, Long-Term	Section 16.9.3.4	Negative, Imperceptible, Long-Term	Not Significant

Topic	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
Meteorological Radar	Negative, Slight, Long-Term	Section 16.9.3.5	Negative, Imperceptible, Long-Term	Not Significant
Aerodrome Safeguarding	Negative, Slight, Long-Term	Section 16.9.3.6	No Residual Effects	Not Significant
Decommissioning Phase				
Aviation	Any impact and consequential effect that occurs during the decommissioning phase will be similar to that which occurs during the construction phase, however to a lesser extent and lesser duration, and the mitigation measures outlined in Section 16.9.2 will be implemented during the decommissioning phase also	Section 16.9.4	N/A	N/A

20.2.13 Major Accidents and Natural Disasters

Topic	Pre-Mitigation Effect	Mitigation Section Reference	Residual Effect	Significance
Construction Phase				
Contamination Events	Temporary, Moderate, Negative	Section 17.4.3.1	Unlikely, Temporary, Slight, Negative	Not Significant
Major Fire	Temporary, Moderate, Negative	Section 17.4.3.2	Unlikely, Temporary, Slight, Negative	Not Significant

Aviation	Negative, Significant, Long-Term	Section 17.4.3.3	Negative, Significant, Long-Term OR Negative, Imperceptible Permanent	Significant
Operational Phase				
Contamination Events	Temporary, Moderate, Negative	Section 17.4.3.1	Long-Term, Slight, Negative	Not Significant
Major Fire	Temporary, Moderate, Negative	Section 17.4.3.2	Long-Term, Slight, Negative	Not Significant
Aviation	Negative, Significant, Long-Term	Section 17.4.3.3	Long-Term, Slight, Negative	Not Significant
Decommissioning Phase				
Contamination Events	Temporary, Moderate, Negative	Section 17.4.3.1	Temporary, Slight, Negative	Not Significant
Major Fire	Temporary, Moderate, Negative	Section 17.4.3.2	Temporary, Slight, Negative	Not Significant
Aviation	Any impact and consequential effect that occurs during the decommissioning phase will be similar to that which occurs during the construction phase, however to a lesser extent and lesser duration, and the mitigation measures outlined in Section 16.12.2 will be implemented during the decommissioning phase also	Section 14.4.3.3	N/A	N/A