Appendix 18.1: Summary of Mitigation Measures

All mitigation and monitoring measures relating to the construction, operational and decommissioning phases of the Project are set out in the relevant chapters of this EIAR.

All mitigation which will be implemented during the various phases of the Project are presented in **Table 18.1** below. This provides an easy to audit list that can be reviewed and reported on during the project phases. The monitoring schedule for the Development is presented in **Table 18.2** below. The proposal for site inspections and environmental audits are set out in the Construction and Environmental Management Plan (CEMP) which is included as **Appendix 2.1** of this EIAR. Subject to planning permission being granted, **Table 18.1** serves as a reporting template for site compliance audits. It can be further developed, in consultation with the relevant statutory agencies and Mayo County Council, prior to the project start and during the course of the project phases.

Table 18.1: Summary of Significant Effects and Associated Mitigation Measures

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Reference freating	LIAIT Oliaptei		Pre-Construction Phase	Result	rtequired
Flora & Fauna	Chapter 6:	6.5.1	Within the Wind Farm Site all turbine locations and associated		
	Biodiversity		infrastructure have a buffer zone of at least 50 m from natural		
			streams, with a 10 m buffer to significant drains. No works will take		
			place within these buffer zones except for the watercourse		
			crossings on the access track network. Implementation of such		
			buffer zones will result in the avoidance of sensitive hydrological		
			features. Direct discharges to surface waters of dewatered loads		
			will not be permitted under any circumstances. This in turn will		
			avoid or reduce the potential for adverse effects on downstream		
			designated sites.		
			It is noted that an Ecological Clerk of Works (ECoW) with		
			experience in overseeing wind farm construction projects will be		
			appointed by the Contractor for the duration of the construction		
			phase to ensure that the CEMP is effectively implemented and that		
			all planning conditions relating to biodiversity are complied with. An		
			Environmental Manager will be appointed by the Developer to		
			oversee the environmental management of the project, advise on		
			the environmental issues and ensure compliance by the		
		Contractor.			
Flora & Fauna	Chapter 6:	6.5.4	Whilst no signs of badger presence were found within a 100 m		
Biodiversity	Biodiversity		distance of the work areas during the baseline surveys, badger		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
reference freating	LIAR Onapter	Occion	does occur in the wider area and distribution of local populations	Result	required
			can change over time. Should more than 36 months have elapsed		
			since the baseline surveys in 2022-23, a pre-construction		
			confirmatory survey will be undertaken in accordance with NRA		
			Guidance (2006). This will focus on the areas of the site where		
			works will take place (to a distance of approximately 100 m).		
			Should an active sett be located within a 50 m distance of the works		
			area, mitigation would be necessary to ensure that the sett is closed		
			prior to the commencement of any works onsite. This procedure		
			would be carried out in strict accordance with relevant legislation.		
Flora & Fauna	Chapter 6:	hapter 6: 6.5.5 iodiversity	The common frog is widespread within the Wind Farm Site		
	Biodiversity		occurring in drains, fields which are permanently wet, bog and in		
			the ponds within the abandoned quarry at Castlelackan Demesne.		
			Areas where construction works are due to commence during the		
			period February to August will be checked by the ECoW for the		
			presence of frog spawn, tadpoles and adult frogs. If present, these		
			will be removed under licence from NPWS and transferred to		
			suitable ponds, drains or wetlands in the vicinity and away from the		
			construction footprint.		
			The ponds within the abandoned quarry at Castlelackan Demesne		
			have some potential to support the smooth newt though aquatic		
			vegetation is notably sparse. Prior to the commencement of		
			construction works within the quarry, a survey for the smooth newt		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
J	·		will take place within the ponds. Should newts be recorded in ponds		
			that could be affected by the works, these will be removed to one		
			of the other ponds onsite, under licence.		
Earthworks	Chapter 9: Hydrology	9.5.1.1	The key mitigation measure during the construction phase is the		
	and Hydrogeology		avoidance of sensitive hydrological features, by application of		
			suitable buffer zones (i.e. 50 m to main watercourses, and 10 m to		
			main drains).		
			Where possible all of the key Proposed Development areas		
			(turbines, hardstands, construction compounds etc.) have been		
			located significantly away from the delineated 50 m watercourse		
			buffer zones. Where works are proposed within the buffer zone <i>i.e.</i>		
			at watercourse crossings additional mitigation measures will be		
			proposed and are detailed below.		
			The large setback distance from sensitive hydrological features		
			means that adequate room is maintained for the proposed		
			drainage mitigation measures (discussed below) to be properly		
			installed and operate effectively. The proposed buffer zone will:		
			Avoid physical damage (river/stream banks and river/stream		
			beds) to watercourses and the associated release of sediment.		
			Avoid excavations within close proximity to surface		
			watercourses.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
j			 Avoid the entry of suspended sediment from earthworks into watercourses. Avoid the entry of suspended sediment from the construction phase drainage system into watercourses, achieved in part by ending drain discharge outside the buffer zone and allowing percolation across the vegetation of the buffer zone. 		
Land Use	Chapter 13: Material assets and Other Issues	13.5.4	Existing forestry tracks have been incorporated into the design to minimise the construction of new Site Access Tracks and minimise the removal of forested areas. New Site Access Tracks have been sensitively designed to minimise effect on forestry. Electricity cables will be installed underground in or alongside Site Access Tracks to avoid and minimise negative effect. The construction and decommissioning works will be planned and managed by a Construction and Environmental Management Plan (CEMP) (Appendix 2.1). This provides details on day to day works and methodologies. As part of these works, the public and other stakeholders will be provided with updates on construction activities which will affect access to surrounding lands. This will be communicated to members of the public through a community liaison officer employed for the duration of the construction period.		
Electricity Networks	Chapter 13: Material assets and Other Issues	13.7.6	Confirmatory drawings for all existing services will be sought upon consultation with ESB Networks.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			 Immediately prior to construction taking place, the area where excavation is planned will be surveyed by CAT scan (sub-surface survey technique to locate any below-ground utilities) and all existing services will be verified. Temporary warning signs will be erected. The as-built location of the installed ducts will be surveyed and recorded using a total station/GPS before the trench is backfilled to record the exact location of the ducts. The coordinates will be plotted on as-built record drawings for the Grid Connection cable operational phase. Clear and visible temporary safety signage will be erected all around the perimeter of the live work area to visibly warn members of the public of the hazards of ongoing construction works. 		
Air Navigation	Chapter 13: Material assets and Other Issues	13.8.5	An aeronautical lighting scheme for the Proposed Development will be agreed and installed in consultation with IAA, IAC and Department of Defence. The following data will be supplied to the IAA airspace team and Department of Defence: • An aeronautical lighting scheme for the Development will be agreed with the IAA and will be installed		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Reference fleading	LIAIT Oliaptei	Section	As-constructed coordinates in WGS84 format together with	Result	Required
			ground and tip height elevations at each wind turbine location		
			will be provided to the IAA.		
			The IAA will be notified of intention to commence crane		
			operations with at least 30 days prior notification of their		
			erection.		
			Additionally, IAC will be kept informed on any progress relating to		
			the Proposed Development, as IAC requirements are separate to		
			IAA requirements. IAC have requested that all turbines will be		
			illuminated by Type C, Medium intensity, Fixed Red obstacle		
			lighting with a minimum output of 2,000 candela to be visible in all		
			directions of azimuth and to be operational H24/7 days a week.		
			Obstacle lighting should be incandescent or, if LED or other types		
			are used, of a type visible to Night Vision equipment. Obstacle		
			lighting used must emit light at the near Infra- Red (IR) range of the		
			electromagnetic spectrum, specifically at or near 850 nanometres		
			(nm) of wavelength. Light intensity to be of similar value to that		
			emitted in the visible spectrum of light		
			Both IAA and IAC will be consulted to agree all lighting specification		
			at least 30 days prior notification of the erection of the turbines.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Quarry	Chapter 13: Material assets and Other Issues	13.9.4	 Existing tracks have been used where possible, and the layout was designed to minimise the length of new Site Access Track required in order to reduce the requirement for such stone material. Local quarries have been identified to reduce effects on transportation (Chapter 17: Traffic and Transportation). The source quarry will be chosen based on stone which is chemically similar to that occurring at the Proposed Development. This will reduce hydrogeochemical effects (Chapter 8: Soils and Geology). 		
			Construction Phase		
Health & Safety	Chapter 5 Population and Human Health	5.5.7.2	The construction, operation and decommissioning of the Proposed Development shall be managed in accordance with the Safety, Health and Welfare at Work Act 2005 (as amended), the Safety, Health and Welfare at Work (General Application) Regulations 2007 (as amended), and the Safety Health and Welfare at Work (Construction) Regulations 2013 (as amended). As required under the Safety, Health and Welfare at Work (Construction) Regulations 2013, the Developer shall appoint a Project Supervisor for the Design Process (PSDP) and a Project Supervisor for the Construction Stage (PSCS). The PSDP shall compile a Preliminary Safety and Health Plan (PSHP), which		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
reference freating	LIAIT Oliaptei	Geetion	details general information about the Project and envisaged	resure	required
			health and safety risks. The PSHP shall be made available to the		
			PSCS. The PSCS shall develop a Construction Stage Health		
			and Safety Plan (CSHSP) which incorporates the information		
			contained in the PSHP and details how safety and health will be		
			managed during the construction of the Project.		
			A CEMP and accompanying management plans have been		
			developed and are contained in Appendix 2.1 . The PSCS will		
			further develop those documents during the pre-construction		
			stage of the Project, to take account of planning conditions and		
			in consultation with Mayo County Council, for implementation		
			during the construction stage:		
			Construction and Environmental Management Plan		
			(updated from the CEMP in Appendix 2.1)		
			Emergency Response Plan		
			Detailed Traffic Management Plan		
			Accidents to Infrastructure		
			The PSDP shall see that the General Principles of Prevention,		
			outlined under the safety design advice provided by the Health		
			and Safety Authority (HSA) are taken into account for all designs		
			relating to the Proposed Development.		
Flora & Fauna	Chapter 6 Biodiversity	6.5.2	Restricted access to bog		

Deference Heading	FIAD Chantar	Continu	Midwedien Messure	Audit	Action
Reference Heading	EIAR Chapter	Section	Mitigation Measure At the commencement of works, the required work footprint on	Result	Required
			the bog will be identified and the area will be marked by a rope		
			fence (using wooden poles) and with appropriate signage. No		
			construction activities will be allowed outside of the agreed work		
			area for the duration of the construction period. The ECoW will		
			inspect the site regularly whilst works are on-going. Excavated		
			peat and subsoil will be removed to the approved deposition		
			area, with no storage of peat or any other materials on the		
			adjoining bog area. The rope fences will remain in place until the		
			works at this location are fully complete.		
			Re-vegetation of bare surfaces at work area		
			An ecological objective is to minimise the area of exposed peat		
			surface and to encourage rapid re-vegetation of the disturbed		
			bog surface at wind turbine AT15 location. This will be achieved		
			by the removal of the vegetated bog surface within the work		
			footprint, the storage of this material, and subsequent re-use		
			around the turbine and hardstand margins.		
			First, a suitable local area will be identified where the removed		
			material can be stored for the duration of the works – it is noted		
			that such areas will not be on other vegetated bog surfaces but		
			rather grassland habitat. Also, it is important that the selected		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
reference fleading	LIAIT Onapter	Occion	storage areas will not be prone to disturbance for the duration of	resuit	Required
			the required storage period.		
			The approach to 'save' the surface vegetated material will be as		
			follows: the surface will be cut-out as sods or 'turves' to a depth		
			of approximately 20-30 cm using a dumper/digger with a bucket.		
			Care will be taken to keep the turves as intact as possible and		
			the vegetated side upwards. The turves will be loaded to a trailer		
			and transported to the pre-identified storage area. The turves will		
			be off-loaded from the trailer and placed side by side and		
			vegetation side upwards. They will be placed in single layers, i.e.		
			not piled on top of each other. Should storage of the above		
			materials be for prolonged periods (months), the stored turves		
			and peat piles will need to be watered during dry spells.		
			When ready for placement at the finished turbine/hardstand, the		
			turves will be lifted with a dumper and bucket and taken to the		
			destination. Here they will be off-loaded and placed side by side		
			on the disturbed bog surface with vegetation side up. The turves		
			will be bedded in with the bucket of a dumper so that they form		
			a continuous layer without gaps between them. This approach		
			will provide almost immediate cover of the bare surfaces.		
			All of the above processes will be monitored by the ECoW.		
Otter	Chapter 6 Biodiversity	6.5.3	The mitigation proposed to maintain water quality in the aquatic		
			zones (as detailed in the Aquatic Ecology Assessment		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			Appendix 6.3 and in Chapter 9: Hydrology and Hydrogeology		
			and summarised in the CEMP) will ensure that the food supplies		
			for otters within local watercourses are not affected by		
			contaminants generated by the Proposed Development.		
Flora & Fauna	Chapter 6 Biodiversity	6.5.6.1.2	Retention of Trees and Replacement Planting		
			Trees and treelines along approach roads and Site Access		
			Tracks will be retained unless felling is unavoidable. Retained		
			trees will be protected from root damage by an exclusion zone		
			of at least 7 metres or equivalent to canopy height. Such		
			protected trees will be fenced off by adequate temporary fencing		
			prior to other works commencing.		
			A replanting programme will mitigate for the loss of hedgerows,		
			treelines and mature trees which serve as commuting corridors		
			and possibly roosts for bats (see details in Section 6.5.2.1).		
Flora & Fauna	Chapter 6 Biodiversity	6.5.6.1.3	Turbine AT10 has a thick southern hedge bordering a stream to		
			the south within the 88 m buffer. Instead of felling these areas,		
			curtailment will be implemented, offering an alternative protection		
			to bat species.		
Flora & Fauna	Chapter 6 Biodiversity	6.5.6.1.4	Turbine AT16 has a number of trees and scrubby woodland of		
	,		good quality within the 94 m buffer. Instead of felling these areas,		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
<u> </u>	·		curtailment will be implemented, offering an alternative		·
			protection to bat species.		
Flora & Fauna	Chapter 6 Biodiversity	6.5.6.1.5	Turbine AT18 is located within an abandoned quarry that		
			contains scrub around its border and within the quarry itself.		
			Instead of felling a buffer around the turbine, additional		
			curtailment measures will be implemented to offset potential		
			effects on bats and monitoring will be conducted post		
			construction to maintain this quarry as a wildlife diversity area.		
Flora & Fauna	Chapter 6 Biodiversity	6.5.6.1.6	In general, artificial light creates a barrier to bats so lighting		
			should be avoided where possible. Construction operations		
			within the Wind Farm Site will take place during the hours of		
			daylight where possible to minimise disturbances to faunal		
			species at night. Some works along the GCR and Wind Farm		
			Site may occur at night but the Environmental Manager/ECoW		
			shall limit night-time works to sections of the route / site which		
			avoid sensitive features (e.g., mature treelines). Where lighting		
			is required, directional lighting, <i>i.e.</i> lighting which only shines on		
			work areas and not nearby countryside, will be used to prevent		
			overspill. This will be achieved by the design of the luminaire and		
			by using accessories such as hoods, cowls, louvers and shields		
			to direct the light to the intended area only.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Flora and Fauna	Chapter 7:	7.7.1.1	Apart from the required ground to facilitate the siting of AT18	rtoourt	rtoquirou
	Ornithology		turbine within the quarry, the Plan area comprises the entire of		
			an abandoned quarry at Castlelackan Demesne, which is within		
			the north-eastern sector of the Wind Farm development area. In		
			addition to blanket bog, the site includes tall willow scrub, ponds		
			and various recolonising habitats since the quarrying activities.		
			While a sector of the quarry will be used for peat and soil		
			deposition derived from the Wind Farm construction works,		
			these areas will later be incorporated into the Plan area as		
			meadow grassland and native woodland. Overall, it is anticipated		
			that over time the biodiversity value of the site will increase		
			substantially for habitats and associated flora and fauna species,		
			including bird species. It is noted that species such as hen		
			harrier, kestrel and snipe were recorded within the Plan area		
			during the baseline surveys.		
			The loss (both temporary and permanent) of hedgerows, scrub		
			and broadleaved woodland will be off-set by a detailed planting		
			scheme which will provide suitable habitat for bird species		
			associated with these habitats.		
Flora and Fauna	Chapter 7:	7.7.1.2	The present assessment has identified the potential for		
	Ornithology		significant disturbance effects on four breeding species of		
			conservation importance as a result of the construction works.		
			These species are sparrowhawk, buzzard, kestrel and snipe		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
	·		(and as noted, merlin is included on a precautionary basis). Best		
			available evidence has been reviewed, and it is suggested that		
			these species could be disturbed by works, including tree felling,		
			up to the following distances:		
			Sparrowhawk 200 m		
			Buzzard 200 m		
			Merlin 500 m		
			Kestrel 200 m		
			Snipe 400 m		
			Should any of these species be recorded breeding within the		
			given distances of the works area (as established through		
			confirmatory surveys before and/or during construction), a buffer		
			zone (using above distances) will be established around the		
			expected location of the nest (location identified as far as is		
			possible without causing disturbance to the bird) and all works		
			will be restricted within the zone until it can be demonstrated by		
			an ornithologist that the species has completed the breeding		
			cycle in the identified area. Any restricted area that is required to		
			be set up will be marked clearly using hazard tape fencing and		
			all site staff will be alerted through toolbox talks.		
			The above mitigation, as needed, which will apply from March to		
			August (inclusive), will ensure that the works will not have		
			significant adverse effects on the identified species of		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			conservation importance recorded during the baseline surveys		
			or in pre-construction surveys.		
Flora and Fauna	Chapter 7:	7.7.1.3	A range of passerine bird species breed within the Wind Farm		
	Ornithology		Site, including the Red-listed meadow pipit and the Amber-listed		
			skylark and willow warbler. In compliance with Section 40 of the		
			Wildlife Acts 1976 to 2022 as amended, all vegetation required		
			to be cleared to facilitate any works associated with the Project,		
			including hedge trimming and tree pruning along the TDR, will		
			be done outside of the restricted period from 1st March to 30th		
			August.		
			Should it be necessary to remove vegetation during the breeding		
			season, for instance where bramble and ephemeral plant		
			species have become established on ground cleared earlier, this		
			will be surveyed by an ornithologist up to 10 days before any		
			clearance. Should an active nest be located, the area will be		
			restricted from works by a distance where it is considered that		
			the works would not cause disturbance or abandonment of the		
			nest. Such distances, which will vary according to species and		
			local topography, will be determined by the ornithologist. The		
			restriction will be maintained until it is established that any young		
			birds present have fledged.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
J			Should an instance arise where the placement of a restriction		
			would have significant implications for the time frame of the		
			Proposed Development, and where no alternative mitigation is		
			available to prevent disturbance to the nest, the ornithologist will		
			evaluate the situation in the context of the conservation status of		
			the species and the stage of breeding, i.e. nest with eggs, nest		
			with young chicks, nest with large young near fledging stage, and		
			will advise on the best approach in the context of the Wildlife		
			Acts. In such cases, the local representative of NPWS will be		
			consulted.		
Subsoil and Bedrock	Chapter 8: Soil and	8.5.2.1.2	Best practice will be applied during construction which will		
removal	Geology		minimise the amount of soil and rock excavation. All works will		
			be managed and carried out in accordance with the Construction		
			Environmental Management Plan (CEMP), which will be updated		
			by the civil engineering contractor and agreed prior to any works		
			commencing onsite.		
			The majority of the excavated peat and mineral soil spoil will be		
			placed in the designated spoil storage area at Lacken Hill.		
			Localised areas of landscaping will be sealed and levelled using		
			the back of an excavator bucket to prevent erosion. The spoil		
			repository will be restored to match the local environment when		
			filling operations are complete.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Subsoil and Bedrock	Chapter 8: Soil and	8.5.2.1.3	The disturbance of soil, subsoil and bedrock is an unavoidable		
removal	Geology		effect of the Proposed Development, but every effort will be		
			made to ensure that the amount of earth materials excavated is		
			kept to a minimum in order to limit the effect on the geological		
			aspects of the site. The management of geological materials is		
			a critical component of controlling dust and sediment and erosion		
			control.		
Subsoil and Bedrock	Chapter 8: Soil and	8.5.2.1.4	Bedrock will be re-used for construction of Site Access Tracks		
removal	Geology		wherever possible. The bedrock will comprise predominantly		
			granite and quartzite which, when crushed and graded, should		
			provide a good sub-base for Site Access Track construction.		
			Peat, overburden, and rock will be reused where possible onsite		
			to reinstate excavated areas where appropriate. Where possible,		
			the upper vegetative layer will be stored with the vegetation part		
			of the sod facing the right way up to encourage growth of plants		
			and vegetation at the surface of the landscaped peat. These		
			measures will prevent the erosion of peat in the short and long		
			term.		
Subsoil and Bedrock	Chapter 8: Soil and	8.5.2.1.5	On completion of the construction stage, any areas not required		
removal	Geology		for operation will be reinstated. This may include the TCC,		
			turning areas and materials storage areas. Granular material will		
			be removed as required and reinstated with peat or other soils in		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
J			keeping with the adjacent soils. Drainage measures will be		
			reinstated as required in order to minimise future erosion of the		
			soils.		
Storage and	Chapter 8: Soil and	8.5.2.2.2	Whenever possible, soil and rock will be re-used on the Wind		
stockpiles	Geology		Farm Site immediately, thereby reducing the need for double		
			handling, which will also reduce the requirements to stockpile		
			soils. Generally excavated rock will be used immediately for Site		
			Access Track construction. Excess Topsoil, peat and non-		
			reuseable mineral soil will be transported to the long-term		
			storage at one of the 19 no. designated storage areas.		
			Whenever possible stockpiles will be avoided. Stockpiles of rock		
			on peat soils will be avoided to prevent instability. Peat will only		
			be stockpiled temporarily to a maximum height of 2 m in areas		
			of thin or absent peat and only in areas of shallow ground slopes,		
			which have been assessed for stability by a suitably experienced		
			geotechnical engineer. In the case of the 3 no. spoil repositories		
			at Lacken Hill, a "cell" arrangement with perimeter berms		
			constructed out of crushed rock will be employed to locally		
			confine spoil at heights of up to 3m. The precise design of the		
			spoil repositories will be developed further at construction stage		
			when the benefit of further ground investigation will aid final		
			design and restoration landscaping.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Vehicular movements	Chapter 8: Soil and	8.5.2.3	Vehicular movements will be restricted to the footprint of the	rtoourt	rtoquirou
	Geology		Proposed Development, particularly with respect to the newly		
			constructed Site Access Tracks. This implies that machinery		
			must be kept on tracks and will not move onto areas that are not		
			permitted for the Proposed Development.		
			Vehicular traffic onsite is reduced through the re-use of		
			excavated material onsite which will reduce the need to source		
			material from external quarries.		
Vehicular movements	Chapter 8: Soil and	8.5.2.3.1	Excavation volumes have been reduced during the design phase		
	Geology		by avoiding areas of deep peat, shallow bedrock and by avoiding		
			excessive cut and fill during construction. This will result in		
			reduced excavation volumes and therefore reduced site traffic.		
			Best practice will be applied during construction which will		
			minimise double handling, again reducing the Site traffic. All		
			works will be managed and carried out in accordance with the		
			Construction Environmental Management Plan (CEMP), which		
			will be updated by the civil engineering contractor and agreed		
			prior to any Site works commencing.		
			Excavated peat will only be moved short distances from the point		
			of extraction and will be used locally for landscaping, thus again		
			reducing the onsite traffic. Excavated rock (and any glacial till)		
			will be used for access track construction as close to the source		
			of extraction as possible.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Ground Stability	Chapter 8: Soil and	8.5.2.4.1	Careful design of the wind farm has reduced the amount of	Result	Required
	Geology		construction required in areas of deep peat, high slopes and		
			other areas of potential ground instability. Additionally, the		
			following mitigation measures will also be applied as		
			recommended in the PLHRA (included as Appendix 8.1):		
			Avoidance of floating roads in areas where ground slopes		
			exceed 5 degrees to the horizontal.		
			Avoidance of stockpiling on the peat		
			Avoidance of peat berms in areas of potential instability		
			(highlighted by elevated hazard rankings), where ground		
			slopes exceed 5 degrees to the horizontal		
			Additional engineered drainage in areas of construction		
			Avoidance of drains discharging onto areas of weak or deep		
			peat or areas of elevated hazard ranking		
			Avoidance of blasting within 1km of areas highlighted by		
			elevated hazard rankings		
			As noted in the PLHRA, vehicular access to any areas of deep		
			peat (>1.0 m) during construction will be restricted to low ground		
			pressure vehicles, with all construction vehicles travelling on		
			existing access tracks whenever possible.		
			Best practice will be applied during construction which will		
			minimise the risk of ground instability. All works will be managed		
			and carried out in accordance with the Construction		
			Environmental Management Plan (CEMP), which will be updated		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			by the civil engineering contractor and agreed prior to any site		
			works commencing.		
			A Geotechnical Clerk of Works will be employed during the		
			construction phase in order to continuously monitor areas of		
			peat, in particular areas of deep peat and the areas of potential		
			instability highlighted in the PLHRA. Ongoing physical stability		
			checks and calculations will be undertaken in order to verify that		
			safety standards are being met.		
Soil Contamination	Chapter 8: Soil and	8.5.2.5.1	A fuel management plan will be prepared (and included in the		
	Geology		CEMP) which will incorporate the following elements:		
			Mobile bowsers, tanks and drums will be stored in secure,		
			impermeable storage area, away from drains and open		
			water;		
			Fuel containers will be stored within a secondary		
			containment system e.g. bund for static tanks or a drip tray		
			for mobile stores;		
			Ancillary equipment such as hoses, pipes will be contained		
			within the bund;		
			Taps, nozzles or valves will be fitted with a lock system;		
			Fuel and oil stores including tanks and drums will be		
			regularly inspected for leaks and signs of damage;		
			Only designated trained operators will be authorised to refuel		
			plant onsite.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Material and Waste	Chapter 8: Soil and	8.5.2.6	All materials used onsite, and wastes generated onsite will be		
Management	Geology		reduced by good site practice and attention to the CEMP. A		
			policy of reduce, re-use and recycle will apply. All waste will be		
			segregated and re-used where possible or removed from site for		
			recycling. Any waste which is not recyclable or compostable will		
			be properly disposed of landfill. Whenever possible, excavated		
			materials will be re-used close to the area of excavation. Careful		
			design will result in minimal excess soil and rock.		
Earthworks	Chapter 9: Hydrology	9.5.1.1	Source controls:		
	and Hydrogeology		Interceptor drains, vee-drains, diversion drains, erosion and		
			velocity control measures such as the use of sand bags,		
			oyster bags filled with gravel, filter fabrics and other		
			similar/equivalent or appropriate systems.		
			Small working areas, covering temporary stockpiles,		
			weathering off of side-cast peat/spoil, cessation of works in		
			certain areas or other similar/equivalent or appropriate		
			measures.		
			In-Line controls:		
			Interceptor drains, vee-drains, oversized swales, erosion		
			and velocity control measures such as check dams, sand		
			bags, oyster bags, straw bales, flow limiters, weirs, baffles,		
			silt bags, silt fences, sedimats, filter fabrics, and collection		
			sumps, temporary sumps, sediment traps, pumping		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Ttororonoo rrodding	Livit onaptor	Cootion	systems, settlement ponds, temporary pumping chambers,	rtoourt	rtoquirou
			or other similar/equivalent or appropriate systems.		
			<u>Treatment systems:</u>		
			Temporary sumps and attenuation ponds, temporary		
			storage lagoons, sediment traps, and settlement ponds, and		
			proprietary settlement systems such as "Siltbuster", and/or		
			other similar/equivalent or appropriate systems.		
			It should be noted that the existing network of forestry drains		
			present in some areas will be integrated and enhanced as		
			required and used within the Proposed Developments drainage		
			system. The integration of the existing forestry drainage network		
			and the proposed wind farm network is relatively simple. The key		
			elements are the upgrading and improvements to water		
			treatment elements, such as in-line controls and treatment		
			systems, including silt traps, settlement ponds and buffered		
			outfalls.		
			The main elements of interaction with existing drains will be as		
			follows:		
			Apart from interceptor drains, which will convey clean runoff		
			water to the downstream drainage system, there will be no		
			direct discharge (without treatment for sediment reduction,		
			and attenuation for flow management) of runoff from the		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
3			proposed wind farm drainage into the existing site drainage		
			network. This will reduce the potential for any increased risk		
			of downstream flooding or sediment transport/erosion.		
			Temporary silt traps will be placed in the existing drains		
			downstream of construction works, and these will be diverted		
			into proposed interceptor drains, or culverted under/across		
			the works area.		
			During the operational phase of the Wind Farm, runoff from		
			individual Turbine Hardstanding areas will be not discharged		
			directly into the existing drainage network but discharged		
			locally at each turbine location through field drains, main		
			drains, and existing settlement ponds.		
			Buffered outfalls which will be numerous over the site will		
			promote percolation of drainage waters across the bog		
			surface and close to the point at which the additional runoff		
			is generated, rather than direct discharge to the existing		
			drains of the site.		
			• Velocity and silt control measures such as check dams,		
			sandbags, oyster bags, straw bales, flow limiters, weirs,		
			baffles, silt fences will be used during the upgrade		
			construction works.		
			Existing culverts will be lengthened where necessary to		
			facilitate access road widening.		

Poforonce Heading	FIAD Chapter	Section	Mitigation Magazira	Audit	Action
Reference Heading	EIAR Chapter	Section	Mitigation Measure Pre-Commencement Temporary Drainage Works: Prior to the	Result	Required
			commencement of road upgrades (or new road/hardstand or		
			turbine base installs) the following key temporary drainage		
			measures will be installed:		
			All existing dry drains that intercept the proposed works area		
			will be temporarily blocked down-gradient of the works using		
			forestry check dams/silt traps.		
			Clean water diversion drains will be installed upgradient of		
			the works areas.		
			Check dams/silt fence arrangements (silt traps) will be		
			placed in all existing forestry drains that have surface water		
			flows and also along existing forestry roadside drains.		
			A double silt fence perimeter will be placed down-slope of		
			works areas that are located inside the watercourse 50m		
			buffer zone.		
			Silt Fences: Silt fences will be emplaced within drains down-		
			gradient of all construction areas. Silt fences are effective at		
			removing heavy settleable solids. This will act to prevent entry to		
			the existing drainage network of sand and gravel-sized		
			sediment, released from the excavation of mineral sub-soils of		
			glacial and glacio-fluvial origin and entrained in surface water		
			runoff. Inspection and maintenance of these structures during		
			the construction phase are critical to their functioning to stated		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Reference fleading	LIAIT Chapter	Section	purpose. They will remain in place throughout the entire	Result	Required
			construction phase.		
			Silt Bags: Silt bags will be used where small to medium volumes		
			of water need to be pumped from excavations (e.g. the proposed		
			underpass locations). As water is pumped through the bag, most		
			of the sediment is retained by the geotextile fabric allowing		
			filtered water to pass through.		
			Settlement Ponds: The Proposed Development's footprint will		
			be divided into drainage catchments (based on topography,		
			outfall locations, catchment size) and stormwater runoff rates		
			based on the 200-year return period rainfall event will be		
			calculated for each catchment. These flows will then be used to		
			design settlement ponds for each drainage catchment. The		
			settlement ponds will either be designed for 4.1 hr or 24 hr		
			retention times used to settle out medium silt (0.01 mm) and fine		
			silt (0.004 mm) respectively (EPA, 2006). Settlement ponds		
			along Site Access Tracks and at Turbine Hardstands will have		
			4.1 hr retention as there is additional in-line drainage controls		
			proposed along Site Access Tracks and at hardstands.		
			Level Spreaders and Vegetation Filters: The purpose of level		
			spreaders is to release treated drainage flow in a diffuse manner,		
			and to prevent the concentration of flows at any one location		
			thereby avoiding erosion. Level spreaders are not intended to be		
			a primary treatment component for development surface water		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Ttorororoo rrodding	En it onaptor	Cootion	runoff. They are not stand alone but occur as part of a treatment	rtoourt	rtoquirou
			train of systems that will reduce the velocity of runoff prior to be		
			released at the level spreader. In the absence of level spreaders,		
			the potential for ground erosion is significantly greater than not		
			using them.		
			Vegetation filters are essentially end-of-line polishing filters that		
			are located at the end of the treatment train. In fact, vegetation		
			filters are ultimately a positive consequence of not discharging		
			directly into watercourses which is one of the mitigation		
			components of the drainage philosophy. This makes use of the		
			natural vegetation of the Wind Farm Site to provide a polishing		
			filter for the wind farm drainage prior to reaching the downstream		
			watercourses.		
			Again, vegetation filters are not intended to be a single or primary		
			treatment component for treatment of works area runoff. They		
			are not stand alone but are intended as part of a treatment train		
			of water quality improvement/control systems (i.e. source		
			controls >check dams > silt traps > settlement ponds > level		
			spreaders > silt fences> vegetation filters).		
			Water Treatment Train: If the discharge water from construction		
			areas fails to be of a high quality, then a filtration treatment		
			system (such as a 'Siltbuster' or similar equivalent treatment		
			train (sequence of water treatment processes)) will be used to		
			filter and treat all surface discharge water collected in the dirty		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
received fiedding	EIAR Onapter	Occion	water drainage system. This will apply to all of the construction	Result	required
			phase.		
			Pre-emptive Site Drainage Management: The works		
			programme for the construction stage of the Proposed		
			Development will also take account of weather forecasts and		
			predicted rainfall in particular. Large excavations and		
			movements of peat/subsoil or peat stripping will be suspended		
			or scaled back if heavy rain is forecast. The extent to which		
			works will be scaled back or suspended will relate directly to the		
			amount of rainfall forecast.		
			The following forecasting systems are available and will be used		
			on a daily/weekly basis, as required, to allow site staff to direct		
			proposed and planned construction activities:		
			General Forecasts: Available on a national, regional and		
			county level from the Met Éireann website (www.met.ie).		
			These provide general information on weather patterns		
			including rainfall, wind speed and direction but do not		
			provide any quantitative rainfall estimates.		
			MeteoAlarm: Alerts to the possible occurrence of severe		
			weather for the next 2 days. Less useful than general		
			forecasts as only available on a provincial scale.		
			3-hour Rainfall Maps: Forecast quantitative rainfall amounts		
			for the next 3 hours but does not account for possible heavy		
			localised events.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
recipionic fiedding	ElAR Onaptor	Scotion	Rainfall Radar Images: Images covering the entire country	resure	rtoquirou
			are freely available from the Met Éireann website		
			(www.met.ie). The images are a composite of radar data		
			from Shannon and Dublin airports and give a picture of		
			current rainfall extent and intensity. Images show a		
			quantitative measure of recent rainfall. A 3-hour record is		
			given and is updated every 15 minutes. Radar images are		
			not predictive.		
			Consultancy Service: Met Éireann provide a 24-hour		
			telephone consultancy service. The forecaster will provide		
			an interpretation of weather data and give the best available		
			forecast for the area of interest.		
			Using the safe threshold rainfall values will allow planned works		
			to be safely executed (from a water quality perspective) in the		
			event of forecasting of an impending high rainfall intensity event.		
			Earthworks will be suspended if forecasting suggests any of the		
			following is likely to occur:		
			>10 mm/hr (i.e. high intensity local rainfall events).		
			>25 mm in a 24-hour period (heavy frontal rainfall lasting)		
			most of the day); or,		
			>half monthly average rainfall in any 7 days.		
			Prior to earthworks being suspended the following further control		
			measures will be completed:		
			All open peat/spoil excavations will be secured and sealed.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Reference fleading	LIAIT Oliaptei	Section	Temporary or emergency drainage will be created to prevent	Result	Required
			back-up of surface runoff.		
			Working during heavy rainfall and for up to 24 hours after		
			heavy events will not be allowed to ensure drainage systems		
			are not overloaded.		
			Management of Runoff from Peat/Subsoil Storage Areas:		
			Excavated material can be used onsite in several ways. Suitable		
			excavation material can be used onsite for reprofiling and		
			landscaping or it can be permanently reposited onsite in the		
			proposed 19 no. spoil deposition areas.		
			During the initial placement of subsoil, silt fences, straw bales		
			and biodegradable matting will be used to control surface water		
			runoff from the spoil deposition areas.		
			Drainage from the spoil deposition areas will ultimately be routed		
			to an oversized swale and a number of stilling ponds and a		
			'Siltbuster' with appropriate storage and settlement designed for		
			a 1 in 200 year return period before being discharged to the		
			onsite watercourses. Soil/subsoil deposition areas will be sealed		
			with a digger bucket and vegetated as soon possible to reduce		
			sediment entrainment in runoff. Once re-vegetated and		
			stabilised soil/subsoil deposition areas will no longer be a		
			potential source of silt laden runoff.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Reference fleading	LIAN Chapter	Section	Timing of Site Construction Works: Construction of the site	Result	Required
			drainage system will only be carried out during periods of low		
			rainfall, and therefore minimum runoff rates. This will minimise		
			the risk of entrainment of suspended sediment in surface water		
			runoff, and transport via this pathway to surface watercourses.		
			Construction of the drainage system during this period will also		
			ensure that attenuation features associated with the drainage		
			system will be in place and operational for all subsequent		
			construction works.		
			Proposed Drainage and Water Quality Monitoring: An		
			inspection and maintenance plan for the onsite drainage system		
			will be prepared in advance of the commencement of any works		
			and will be included in the CEMP. Regular inspections of all		
			installed drainage systems will be undertaken, especially after		
			heavy rainfall, to check for blockages, and ensure there is no		
			build-up of standing water in parts of the systems where it is not		
			intended.		
			Any excess build-up of silt levels at dams, the settlement ponds,		
			or any other drainage features that may decrease the		
			effectiveness of the drainage feature, will be removed.		
			During the construction phase field testing (visual, supplemented		
			with pH, electrical conductivity, temperature, dissolved oxygen		
			and turbidity monitoring), sampling and laboratory analysis of a		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Troisionor frouding	Livit onaptor	Socion	range of parameters with relevant regulatory limits and EQSs will	rtoodit	rtoquirou
			be undertaken for each primary watercourse, and specifically		
			following heavy rainfall events (i.e. weekly, monthly and event-		
			based).		
			Allowers for Oliverty Oliverty Oliverty Oliverty		
			Allowance for Climate Change: Climate Change rainfall		
			projections are typically for a mid-century (2050) timeline. The		
			projected effects of climate change on rainfall are therefore		
			modelled towards the end of the life cycle of the Proposed		
			Development, as the turbines have a life span of ~35 years. It is		
			likely that the long-term effects of climate change on rainfall		
			patterns will not be observed during the lifetime of the proposed		
			wind farm. As outlined in the above sections we have designed		
			settlement ponds for a 1 in 200 year return flow. This approach		
			is conservative given that the project will likely be built over a		
			much shorter period (12-18 months), and therefore this in-built		
			redundancy in the drainage design more than accounts for any		
			potential short term climate change rainfall effects.		
			Additional Measures for Works within Buffer Zone: In		
			addition to the above mitigation measures, where works are		
			proposed within the delineated 50 m hydrological buffer zone the		
			following additional mitigation measures will be implemented:		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
J			Double row silt fences will be emplaced immediately down-		
			gradient of the construction areas.		
Drainage	Chapter 9: Hydrology	9.5.1.2	Management of surface water and groundwater seepages and		
	and Hydrogeology		subsequent treatment prior to discharge into the drainage		
			network will be undertaken as follows:		
			Appropriate interceptor drainage, to prevent upslope surface		
			runoff from entering excavations will be put in place.		
			If required, pumping of excavation inflows will prevent build-		
			up of water in the excavation.		
			The interceptor drainage will be discharged to the Wind		
			Farm Site constructed drainage system or onto natural		
			vegetated surfaces and not directly to surface waters.		
			The pumped water volumes will be discharged via volume		
			and sediment attenuation ponds adjacent to excavation		
			areas, or via specialist treatment systems such as a		
			Siltbuster unit.		
			There will be no direct discharge to surface watercourses,		
			and therefore no risk of hydraulic loading or contamination		
			will occur.		
			Daily monitoring of excavations by a suitably qualified		
			person will occur during the construction phase. If high levels		
			of seepage inflow occur, excavation work will immediately be		
			stopped and a geotechnical assessment undertaken.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			A mobile 'Siltbuster' or similar equivalent specialist treatment system will be available onsite for emergencies in order to treat sediment polluted waters from settlement ponds or excavations should they occur. Siltbusters are mobile silt traps that can remove fine particles from water using a proven technology and hydraulic design in a rugged unit. The mobile units are specifically designed for use on construction-sites. They will be used as final line of defence if needed.		
Potential release of Hydrocarbons	Chapter 9: Hydrology and Hydrogeology	9.5.1.3	 All plant will be inspected and certified to ensure they are leak free and in good working order prior to use onsite. Vehicles will be refuelled offsite where possible. Onsite re-fuelling of machinery will be carried out using a mobile double skinned fuel bowser. The fuel bowser, a double axel custom-built refuelling trailer or truck will be refilled offsite and will be towed/driven around the site to where machinery is located. The 4 x 4 jeep/fuel truck will also carry fuel absorbent material and pads in the event of any accidental spillages. The fuel bowser will be parked on a level area in the construction compound when not in use and only designated trained and competent operatives will be authorised to refuel plant on site. Mobile measures such as 		

Sligo

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Reference Heading	EIAR Chapter	Section	 Mitigation Measure drip trays and fuel absorbent mats will be used during all refuelling operations. Fuel storage onsite will be minimised. Any fuels will be stores on the Temporary Construction Compound and will be bunded to at least 100 % of the capacity of the largest tank. The electrical control building will be bunded appropriately to the volume of oils likely to be stored and to prevent leakage of any associated chemicals to ground or surface water. The bunded area will be fitted with a storm drainage system and an appropriate oil interceptor. The plant used will be regularly inspected for leaks and fitness for purpose. Only designated competent personnel will refuel plant and machinery. An emergency plan for the construction phase to deal with 	Audit Result	Action Required
			An emergency plan for the construction phase to deal with accidental spillages will be contained within the Construction Environmental Management Plan. Spill kits will be available to deal with accidental spillages.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Potential release of	Chapter 9: Hydrology	9.5.1.4	No batching of wet-cement products will occur onsite.	rtoourt	rtoquirou
Cement based	and Hydrogeology		Ready-mixed supply of wet concrete products and		
products			emplacement of pre-cast elements will take place.		
			Where possible pre-cast elements for culverts and concrete		
			works will be used.		
			Where concrete is delivered onsite, only the chute will be		
			cleaned, using the smallest volume of water possible. No		
			discharge of cement contaminated waters to the		
			construction phase drainage system or directly to any		
			artificial drain or watercourse will be allowed. A dedicated		
			bunder area will be created to cater for concrete wash-out		
			and this will be located in the Temporary Construction		
			Compound.		
			The contractor will use weather forecasting to plan dry days		
			for pouring concrete.		
			The contractor will ensure pour site is free of standing water		
			and plastic covers will be ready in case of a sudden rainfall		
			event.		
Groundwater and	Chapter 9: Hydrology	9.5.1.5	During the construction phase, a self-contained port-a-loo		
Surface Water	and Hydrogeology		with an integrated waste holding tank will be used at each of		
Contamination from			the site construction compounds, maintained by the		
Wastewater Disposal			providing contractor, and removed from the site on		
			completion of the construction works.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			 Water supply for the site office and other sanitation will be brought to site and removed after use by a licensed contractor to be discharged at a suitable offsite treatment location, likely to be Killala or Ballycastle Waste Water Treatment Plants. No water or wastewater will be sourced on the Site, nor discharged to the site. 		
Potential Surface Water Quality Effects from Clear Felling	Chapter 9: Hydrology and Hydrogeology	9.5.1.6	All felling operations will conform to current best practice Forest Service regulations, policies and strategic guidance documents as well as Coillte and DAFM guidance documents, including the specific guidelines listed below, to ensure that felling, planting and other forestry operations result in minimal potential negative effects to the receiving environment. • Forestry Standards Manual (Forest Service, 2015) • Environmental Requirements for Afforestation (Forest Service, 2016a) • Land Types for Afforestation (Forest Service, 2016b) • Forest Protection Guidelines (Forest Service, 2002) • Forest Operations and Water Protection Guidelines (Coillte, 2013) • Forestry and Water Quality Guidelines (Forest Service, 2000b)		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
J			Forestry and the Landscape Guidelines (Forest Service,		·
			2000c)		
			• Forestry and Archaeology Guidelines (Forest Service,		
			2000d)		
			Forest Biodiversity Guidelines (Forest Service, 2000e)		
			Forests and Water, Achieving Objectives under Ireland's		
			River Basin Management Plan 2018-2021 (DAFM, 2018)		
			Coillte Planting Guideline SOP		
			A Guide to Forest Tree Species Selection and Silviculture		
			in Ireland (Horgan et al., 2003)		
			Management Guidelines for Ireland's Native Woodlands.		
			Jointly published by the National Parks & Wildlife Service		
			(Cross and Collins, 2017)		
			Native Woodland Scheme Framework (Forest Service,		
			2018)		
			Code of Best Forest Practice (Forest Service, 2000)		
			Mitigation by Avoidance: There is a requirement in the Forest		
			Service Code of Practice and in the FSC Certification Standard for		
			the installation of buffer zones adjacent to aquatic zones at planting		
			stage. Minimum buffer zone widths recommended in the Forest		
			Service (2000) guidance document "Forestry and Water Quality		
			Guidelines" are shown in Error! Reference source not found		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Reference fleading	LIAIX Chapter	Section	With gentle to moderate slopes existing across much of the	Result	Required
			forested areas of the Wind Farm Site, a 10m setback will be		
			established along aquatic zones. Furthermore, a 5m setback will		
			be established along all relevant watercourses and water hotspots.		
			The setback distance from sensitive hydrological features means		
			that adequate room is maintained for the proposed mitigation		
			measures (discussed below) to be properly installed and operate		
			effectively. The buffer/setback zone will:		
			Avoid physical damage (river/stream banks and		
			river/stream beds) to watercourses and the associated		
			release of sediment.		
			Avoid peat/soil disturbance and compaction within close		
			proximity to surface watercourses.		
			Avoid the entry of suspended sediment from works into		
			watercourses.		
			Avoid the entry of suspended sediment from the drainage		
			system into watercourses, achieved in part by ending drain		
			discharge outside the buffer zone and allowing percolation		
			across the vegetation of the buffer zone.		

Reference Heading	EIAR Chapter	Section	Mi	itigation Measure	;			Audit Result	Action Required
				Average slope to the aquatic		Buffer zone width on either side of aquatic zone	Buffer zone width for highly erodible soils		
				Moderate	0-15 %	10 m	15 m		
				Steep	15-30 %	15 m	20 m		
				Very Steep	>30 %	20 m	25 m		
			fol du Mi the in	llowing supplement iring felling works: itigation by Desire risk of entrainment surface watercourse set out as follow Machine combinations will minimise set out will minimise set out will minimise set out as follow suitable for ground will minimise set out as follows.	gn: Mitig ent of sus rses com s: nations nd condit	gation measures pended solids a prise best prac will be choser ions at the time urbance. The	etback zones, the swill be employed which will reduce and nutrient release tice methods which are most of felling, and which harvester and the forester for the forester.		
			•	environment and Suitably qualifie		•			
			•	going through a	ny felling	operations. No	culverts will be on tracking of vehicle cles will use existing	9	

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
3			watercourse crossing points. Where possible, existing drains		
			will not be disturbed during felling works.		
			These machines will traverse the site along specified off-		
			road routes (referred to as racks).		
			The location of racks will be chosen to avoid wet and		
			potentially sensitive areas.		
			Brash mats will be placed on the racks to support the		
			vehicles on soft ground, reducing peat and mineral soil		
			disturbance and erosion and avoiding the formation of rutted		
			areas, in which surface water ponding can occur. Brash mat		
			renewal will take place when they become heavily used and		
			worn. Provision will be made for brash mats along all off-road		
			routes, to protect the soil from compaction and rutting.		
			Where there is risk of severe erosion occurring, extraction		
			will be suspended during periods of high rainfall.		
			Silt fences will be installed at the outfalls of existing drains		
			downstream of felling areas. No direct discharge of such		
			drains to watercourses will occur. Sediment traps and silt		
			fences will be installed in advance of any felling works and		
			will provide surface water settlement, preventing sediment		
			from entering downstream watercourses. Accumulated		
			sediment will be carefully disposed of at pre-selected peat		
			disposal areas. Where possible, all new silt traps will be		
			constructed on even ground and not on sloping ground.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
rioror on oo rrouding			In areas particularly sensitive to erosion it will be necessary	rtoourt	required
			to install double or triple sediment traps and increase buffer		
			zone width. These measures will be reviewed on-site during		
			construction.		
			Double silt fencing will also be put down slope of felling areas		
			which are located in close proximity to natural watercourses		
			and/or relevant watercourses.		
			Drains and silt traps will be maintained throughout all felling		
			works, ensuring that they are clear of sediment build-up and		
			are not severely eroded.		
			Timber will be stacked in dry areas, and outside watercourse		
			buffer zones. Straw bales and check dams to be emplaced		
			on the down gradient side of timber storage/processing sites.		
			Works will be carried out during periods of no, or low rainfall,		
			in order to minimise entrainment of exposed sediment in		
			surface water runoff.		
			Refuelling or maintenance of machinery will not occur within		
			50 m of an aquatic zone or within 20 m of any other		
			hydrological feature. Mobile bowser, drip kits, qualified		
			personnel will be used where refuelling is required.		
			Branches, logs or debris will not be allowed to build up in		
			aquatic zones. All such material will be removed when		
			harvesting operations have been completed, but care will be		
			taken to avoid removing natural debris deflectors.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Reference fleating	LIAIT Onapter	Section	Silt Traps:	Result	Required
			Silt traps will be strategically placed down-gradient of felling		
			areas within forestry drains. The main purpose of the silt traps is		
			to slow water flow, increase residence time, and allow settling of		
			silt in a controlled manner.		
			Pre-emptive Site Drainage Management:		
			The works programme for the felling operations will also take		
			account of weather forecasts and predicted rainfall in particular.		
			Works will be suspended if forecasting suggests any of the		
			following is likely to occur:		
			>10 mm/hr (i.e. high intensity local rainfall events).		
			• >25 mm in a 24-hour period (heavy frontal rainfall lasting		
			most of the day); or,		
			>half monthly average rainfall in any 7 days.		
			<u>Drain Inspection and Maintenance</u> :		
			The following items shall be carried out during inspection pre-		
			felling and after:		
			Communication with tree felling operatives in advance to		
			determine whether any areas have been reported where		
			there is unusual water logging or bogging of machines.		
			Inspection of all areas reported as having unusual ground		
			conditions.		
			Inspection of main drainage ditches and outfalls. During pre-		
			felling inspections, the main drainage ditches shall be		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			 identified. Ideally the pre-felling inspection shall be carried out during rainfall. Following tree felling all main drains shall be inspected to ensure that they are functioning. Extraction tracks near drains need to be broken up and diversion channels created to ensure that water in the tracks spreads out over the adjoining ground. Culverts on drains exiting the Site will be unblocked. All accumulated silt will be removed from drains and culverts, and silt traps, and this removed material will be deposited away from watercourses to ensure that it will not be carried back into the trap or stream during subsequent rainfall. 	Nesant	Required
Morphological Changes to Surface Watercourses (Wind Farm Site)	Chapter 9: Hydrology and Hydrogeology	9.5.1.7	 Mitigation measures for the upgrade of the existing crossings and the new proposed crossing are detailed below: The crossing upgrades and the new proposed watercourse crossing will be via a bottomless or clear span culverts and the existing banks will remain undisturbed as much as possible. No instream excavation works are proposed and therefore there will be no direct effect on the stream at the proposed crossing location. 		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			 Any guidance / mitigation measures proposed by the OPW or the Inland Fisheries Ireland will be incorporated into the design of the proposed crossings. As a further precaution near stream construction work will only be carried out during the period permitted by Inland Fisheries Ireland for in-stream works according to the Eastern Regional Fisheries Board (2004) guidance document "Requirements for the Protection of Fisheries Habitat during Construction and Development Works at River Sites", that is, May to September inclusive. This time period coincides with the period of lowest expected rainfall, and therefore minimum runoff rates and the risk of entrainment of suspended sediment in runoff. During the near stream construction work double row silt fences will be emplaced immediately down-gradient of the construction area. There will be no batching or storage of cement allowed on-site. All new road river/stream crossings will require a Section 50 application (Arterial Drainage Act, 1945). The river/stream crossings will be designed in accordance with OPW guidelines/requirements on applying for a Section 50 consent. 		
Water quality	Chapter 9: Hydrology and Hydrogeology	9.5.1.10	Measures employed to prevent overdosing and potential chemical carryover:		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			 The Siltbuster system comprises an electronic in-line dosing system which provides an accurate means of adding agents so overdosing does not occur. Continued monitoring and water analysis of pre and post treated water by means of an inhouse lab and dedicated staff, means the correct amount of chemical is added by the dosing system. Dosing rates of chemical to initiate settlement is small, being in the order of 2-10 mg/L and the vast majority of the chemical is removed in the deposited sediment. Final effluent not meeting the discharge criteria is recycled and retreated, which has a secondary positive effect of reducing carryover. Use of biodegradable chemical agents can be used at very sensitive sites (i.e. adjacent to SACs). 		
Potential Surface Water Quality Effects along Grid Connection	Chapter 9: Hydrology and Hydrogeology	9.5.1.11	Silt Fences/Roadside Drain Blocking: Silt fences will be placed down-gradient of the proposed cable route during construction work. Silt fences are effective at removing larger particle sized solids. This will act to prevent entry to water courses of sand and gravel sized sediment released from excavation of mineral sub-soils of glacial and glacio-fluvial origin and entrained in surface water runoff. Inspection and maintenance of these structures during the construction phase		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			is critical to their functioning to stated purpose. They will remain		•
			in place throughout the entire construction phase.		
			Double silt fences will be placed down-gradient of all		
			construction areas inside the hydrological buffer zones.		
			Any road side drains will be temporarily blocked using sand bags		
			in the area where trenching works is taking place.		
			Surplus Excavated Spoil:		
			Excavated spoil emanating from the trenches, where appropriate		
			(i.e. when trenching within private tracks or the public road verge)		
			will be used to backfill the trenches. Any excess will be disposed		
			at an appropriate licenced facility. All excavated material		
			emanating from trenches within the public road will be disposed		
			at an appropriate licenced facility.		
			Timing of Site Construction Works:		
			Excavation of cable trench will not be undertaken during periods		
			of high rainfall. This will minimise the risk of entrainment of		
			suspended sediment in surface water runoff and transport via		
			this pathway to surface watercourses.		
Potential Surface	Chapter 9: Hydrology	9.5.1.12	Although no in-stream works are proposed, the drilling works		
Water Quality Effects	and Hydrogeology		will only be done over a dry period between July and		
During Directional			September (as required by IFI for in-stream works) to avoid		
Drilling			the salmon spawning season and to have more favourable		
			(dryer) ground conditions.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Reference Heading	EIAR Chapter	Section	 Mitigation Measure The crossing works area will be clearly marked out with fencing or flagging tape to avoid unnecessary disturbance. There will be no storage of material / equipment or overnight parking of machinery inside the 15 m buffer zone. Before any ground works are undertaken, double silt fencing will be placed upslope of the watercourse channel along the 15m buffer zone boundary. Additional silt fencing or straw bales (pinned down firmly with 	Audit Result	Action Required
			 Additional slit fencing of straw bales (plinned down lifting with stakes) will be placed across any natural surface depressions / channels that slope towards the watercourse. Silt fencing will be embedded into the local soils to ensure all site water is captured and filtered. The area around the bentonite batching, pumping and recycling plant will be bunded using terram (as it will clog) and sandbags in order to contain any spillages. 		
			 Drilling fluid returns will be contained within a sealed tank / sump to prevent migration from the works area. Spills of drilling fluid will be clean up immediately and stored in an adequately sized skip before been taken offsite. If rainfall events occur during the works, there will be a requirement to collect and treat small volumes of surface water from areas of disturbed ground (i.e. soil and subsoil exposures created during site preparation works). 		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
rioro o riou um g			This will be completed using a shallow swale and sump	rtoourt	rtoquirou
			down slope of the disturbed ground; and water will be		
			pumped to a proposed percolation area at least 50 m from		
			the watercourse.		
			The discharge of water onto vegetated ground at the		
			percolation area will be via a silt bag which will filter any		
			remaining sediment from the pumped water. The entire		
			percolation area will be enclosed by a perimeter of double		
			silt fencing.		
			Any sediment laden water from the works area will not be		
			discharged directly to a watercourse or drain.		
			Works shall not take place during periods of heavy rainfall		
			and will be scaled back or suspended if heavy rain is		
			forecasted.		
			Daily monitoring of the compound works area, the water		
			treatment and pumping system and the percolation area will		
			be completed by a suitably qualified person during the		
			construction phase. All necessary preventative measures		
			will be implemented to ensure no entrained sediment, or		
			deleterious matter is discharged to the watercourse.		
			If high levels of silt or other contamination is noted in the		
			pumped water or the treatment systems, all construction		
			works will be stopped. No works will recommence until the		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Reference freating	LIAIT Oliaptei	Occion	issue is resolved and the cause of the elevated source is	Result	required
			remedied.		
			On completion of the works, the ground surface disturbed		
			during the site preparation works and at the entry and exit		
			pits will be carefully reinstated and re-seeded at the soonest		
			opportunity to prevent soil erosion.		
			The silt fencing upslope of the river will be left in place and		
			maintained until the disturbed ground has re-vegetated.		
			There will be no batching or storage of cement allowed at		
			the watercourse crossing.		
			There will be no refuelling allowed within 100m of the		
			watercourse crossing.		
			All plant will be checked for purpose of use prior to		
			mobilisation at the watercourse crossing.		
			Fracture Blow-out (Frac-out) Prevention and Contingency Plan:		
			The drilling fluid/bentonite will be non-toxic and naturally		
			biodegradable (i.e., Clear Bore Drilling Fluid or similar will be used).		
			The area around the drilling fluid batching, pumping and		
			recycling plants will be bunded using terram and/or		
			sandbags to contain any potential spillage.		
			One or more lines of silt fencing will be placed between the		
			works area and the adjacent river.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			 Spills of drilling fluid will be cleaned up immediately and transported off-site for disposal at a licensed facility. Adequately sized skips will be used where temporary storage of arisings are required. The drilling process / pressure will be constantly monitored to detect any possible leaks or breakouts into the surrounding geology or local watercourse. This will be gauged by observation and by monitoring the pumping rates and pressures. If any signs of breakout occur then drilling will be immediately stopped. Any frac-out material will be contained and removed off-site. The drilling location will be reviewed, before re-commencing with a higher viscosity drilling fluid mix. If the risk of further frac-out is high, a new drilling alignment will be sought at the crossing location. 		
GHG's	Chapter 10: Air Quality and Climate	10.3.7.1	 Mitigation measures for reduction of GHGs are: All machinery when not in use will be turned off. Exhaust emissions from vehicles operating within the site, including trucks, excavators, diesel generators or other plant equipment, will be controlled by the Contractor by ensuring that emissions from vehicles are minimised through regular servicing of machinery. 		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			 Use of local quarries, materials suppliers and waste facilities will be used, as outlined in Chapter 17: Traffic and Transport, minimising travel distances. A robust Traffic Management Plan (Appendix 2.1, CEMP, Management Plan No. 7) has been developed, utilising the most direct routes where possible. This plan will be updated to reflect project needs. 		
Waste	Chapter 13: Material Assess and Other issues	13.10.7	Staff Facilities Provision for separation of waste streams will be provided so that e.g., paper, and cardboard waste and bottles may be recycled. This waste will be appropriately stored to prevent exposure to wind, rain and wildlife. Sewage It is proposed to install a rainwater harvesting system as the source of water for toilet facilities for the operational phase. Wastewater from the staff welfare facilities in the control building will be collected in a sealed storage tank, fitted with a high-level alarm. This is a device installed in a fuel storage tank that is capable of sounding an alarm, during a filling operation, when the liquid level nears the top of the tank.		

Deference Heading	EIAB Chantar	Section	Midigation Magazira	Audit	Action
Reference Heading	EIAR Chapter	Section	Mitigation Measure Concrete	Result	Required
			During the construction phase:		
			Precast concrete will be used wherever possible i.e.,		
			formed offsite. Elements of the Proposed Development		
			where precast concrete will be used have been identified		
			and are indicated in the CEMP. Elements of the Proposed		
			Development where the use of precast concrete will be		
			used include structural elements of watercourse crossings		
			(single span / closed culverts) as well as Cable Joint Bays.		
			Elements of the Proposed Development where the use of		
			precast concrete is not possible include Turbine		
			Foundations and joint bay pit excavations. Where the use		
			of precast concrete is not possible the following mitigation		
			measures will apply.		
			The acquisition, transport and use of any cement or		
			concrete onsite will be planned fully in advance and		
			supervised at all times.		
			Vehicles transporting such material will be relatively clean		
			upon arrival onsite, that is; vehicles will be washed/rinsed		
			removing cementitious material leaving the source location		
			of the material. There will be no excess cementitious		
			material on vehicles which could be deposited on		
			trackways or anywhere else onsite. To this end, vehicles		
			will undergo a visual inspection prior to being permitted to		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
reference fleading	LIAIT Oliaptei	Occion	drive onto the proposed site or progress beyond the	Result	required
			contractor's yard. Vehicles will also be in good working		
			order.		
			Any shuttering installed to contain the concrete during		
			pouring will be installed to a high standard with minimal		
			potential for leaks. Additional measures will be taken to		
			ensure this, for example the use of plastic sheeting or other		
			sealing products at joints.		
			Concrete will be poured during metrological dry		
			periods/seasons. This will reduce the potential for surface		
			water run off being significantly affected by freshly poured		
			concrete. This will require limiting these works to dry		
			meteorological conditions i.e. avoid foreseen sustained		
			rainfall (any foreseen rainfall event longer than 4-hour		
			duration) and/or any foreseen intense rainfall event (>3		
			mm/hour, yellow on Met Eireann rain forecast maps), and		
			do not proceed during any yellow (or worse) rainfall		
			warning issued by Met Eireann. This also will avoid such		
			conditions while concrete is curing, in so far as practical.		
			Ground crew will have a spill kit readily available, and any		
			spillages or deposits will be cleaned/removed as soon as		
			possible and disposed of appropriately.		
			Pouring of concrete into standing water within excavations		
			will be avoided. Excavations will be prepared before		

Sligo

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Reference Heading	EIAR Chapter	Section	pouring of concrete by pumping standing water out of excavations to the buffered surface water discharge systems in place. • Temporary storage of cement bound sand (if required) will be on hardstand areas only where there is no direct drainage to surface waters and where the area has been bunded e.g., using sand-bags and geotextile sheeting or silt fencing to contain any solids in run-off. • No surplus concrete will be stored or deposited anywhere onsite. Such material will be returned to the source location or disposed of off-site appropriately. A concrete washings area can be seen on Planning Drawing 6289-PL-400 and Planning Drawing 6289-PL-401. Upon implementation of the above mitigation measures, the effects of the construction of the Proposed Development are considered to be not significant. Chemicals, Fuels and Oils All storage containers of over 200 litres will have a secondary containment of 110 % capacity to ensure that any leaking oil is contained and does not enter the aquatic environment.	Result	Required

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
9			Only essential refuelling (e.g., cranes) will be carried out, outside		
			of this area but not within 65 m of any watercourse. In such cases		
			a non-permeable High-density Polyethylene (HDPE) membrane		
			will be provided beneath connection points to catch any residual		
			oil during filling and disconnection.		
			A Chemical and Waste Inventory will be kept. This inventory		
			will include:		
			List of all substances stored onsite (volume and		
			description)		
			Procedures and location details for storage of all materials		
			listed		
			Waste disposal records, including copies of all Waste		
			Transfer Notes detailing disposal routes and waste carriers		
			used		
			Any tap or valve permanently fixed to the mobile unit		
			through which oil can be discharged to the open or when		
			delivered through a flexible pipe which is fitted permanently		
			to the mobile unit, will be fitted with a lock and locked shut		
			when not in use		
			Sight gauges will be fitted with a valve or tap, which will be		
			shut when not in use sight gauge tubes, if used will be well		
			supported and fitted with a valve		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
recipioned floading	En art Graptor	Cootion	Mobile units must have secondary containment when in	rtoodit	rtoquirou
			use/out onsite		
			Under the EU Directive 2008/68//55/EC all such dangerous		
			substances will be conveyed in a container that compiles with		
			the Agreement Concerning the International Carriage of		
			Dangerous Goods by Road (ADR) ¹ . As such the manufacturer of		
			each bowser will provide certification to contractors that the		
			following:		
			A leak-proof test certificate		
			A copy of the Intermediate Bulk Container (IBC) approval		
			certificate		
			An identification plate attached to the container		
			Where mobile bowsers are used onsite, guidelines will be		
			followed so that:		
			Any flexible pipe, tap or valve will be fitted with a lock where		
			it leaves the container and be locked shut when not in use;		
			Flexible delivery pipes will be fitted with manually operated		
			pumps or a valve at the delivery end that closes		
			automatically when not in use. Where possible, a nozzle		
			designed to dispense oil is used;		

¹ ADR, 2023 (European Agreement Concerning the International Carriage of Dangerous Goods by Road) Availible at: https://unece.org/transport/standards/transport/dangerous-goods/adr-2023-agreement-concerning-international-carriage [Accessed: 18/09/2025]

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
reference freading	LIAIT Oliuptoi	Ocotion	The pump or valve will have a lock and be locked shut	resure	rtoquirea
			when not in use.		
			For loads in excess of 1000 litres (220 gallons), the bowser		
			vehicle driver will have undergone training and hold a special		
			license.		
			Refuelling		
			During construction/decommissioning, where possible all		
			refueling onsite will be within the Temporary Site Compounds		
			within the re-fueling area (See Drawing 6289-PL-400 and		
			Drawing 6289-PL-401). Only essential refueling (e.g., cranes)		
			will be carried out, outside of this area, but not within 65 m of any		
			watercourse. In such cases a non-permeable High-density		
			Polyethylene (HDPE) membrane will be provided beneath		
			connection points to catch any residual oil during filling and		
			disconnection. This membrane will be inspected and if there is		
			any sign of oil contamination, it will be removed from site by a		
			specialist licensed waste contractor.		
			All vehicles will be well maintained and free from oil or hydraulic		
			fuel leaks. Refuelling will take place via a mobile double skinned		
			fuel bowser. The bowser will be a double axel refueling trailer		
			which will be towed to the refueling locations by a 4x4 vehicle.		
			The 4x4 will carry a drip tray, spill kit and absorbent mats in case		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
J			of any accidental spillages. Only designated competent		
			personnel will refuel plant and machinery on the Wind Farm Site.		
			Packaging		
			In accordance with the waste hierarchy, packaging will be		
			returned to the originator ahead of re-use or recycling. Where		
			this is not possible, waste will be separated as appropriate and		
			safely stored on site appropriately in anticipation of recycling.		
			Metals		
			Waste metals from concrete reinforcing etc. will have a		
			commercial value and therefore there is an additional economic		
			incentive for the appropriate re-use or recycling with the		
			appropriate licensed waste contractor.		
Cultural Heritage	Chapter 14: Cultural	14.5.1	Ground works during the construction phase will be subject to		
	heritage		archaeological monitoring by a suitably qualified archaeologist		
			under licence by the National Monuments Service. This will also		
			include a systematic advance programme of archaeological		
			field-walking surveys within Proposed Development areas in		
			forestry plantations following tree felling to confirm the conditions		
			predicted in this assessment, i.e., that they contain no visible		
			surface traces of potential unrecorded archaeological or		
			architectural heritage sites.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			In the event that any sub-surface archaeological features are identified during archaeological monitoring they will be securely cordoned off, cleaned and recorded <i>in situ</i> . The National Monuments Service will then be notified and consulted to determine further appropriate mitigation measures, which may include preservation <i>in situ</i> (by avoidance) or preservation by record (archaeological excavation). There are three undesignated vernacular structures located within the Wind Farm Site and one of these, in Leacarrowntemple townland, will be directly impacted during the construction phase. The remains of this structure will be subject to a written, drawn and built heritage survey prior to removal (preservation by record).		
Traffic	Chapter 17: Traffic and Transport	17.7.1	A Traffic Management Plan (TMP) has been developed (see Management Plan 7 attached to the CEMP). Prior to construction and once the Contractors have confirmed their suppliers, the TMP will be updated in consultation with and Mayo County Council and An Garda Síochána as necessary. HGV trips will be scheduled to avoid times when drop offs and pick-ups generally take place at schools. All drivers will be made		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			aware of the location and presence of schools and other		
			sensitive receptors at an induction session prior to		
			construction activities taking place and will be made		
			aware of the speed limits of the various roads on the		
			route which are contained in the TMP. This is to ensure		
			compliance with speed limits and school drop off and		
			pick-up zones.		
			All significant traffic likely to be generated by the		
			Proposed Development will be during the construction of		
			the Proposed Development and will be temporary in		
			nature. It is envisaged that the construction period for		
			the Proposed Development will span a 21-month period		
			with the underground cable being installed over a		
			concurrent 12-month period. The construction-phase		
			Traffic Management Plan will mitigate these effects.		
			Use special transporter vehicles with rear wheel steering		
			in delivery of wind turbine components to ensure safe		
			transportation and manoeuvrability on the roads.		
			Extendable transporter vehicles will be retracted on		
			return journeys.		
			Prior to delivery of abnormal loads i.e. turbine		
			components, the Applicant or their representatives, will		
			consult with An Garda Síochána and Mayo County		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
reference freating	LIAR Onapter	Occion	Council Roads Departments to discuss the requirement	Result	required
			for a Garda escort.		
			The Developer will confirm the intended timescale for		
			deliveries and every effort will be made to avoid peak		
			times such as school drop off times, church services,		
			sporting events, peak traffic times where it is considered		
			this may lead to unnecessary disruption.		
			Abnormal loads are likely to travel at night and outside		
			the normal construction times as may be required by An		
			Garda Síochána. Due to the distance between Killybegs		
			Port, Galway Port and Foynes Port and the Proposed		
			Development site, the journey is achievable within a 4 -		
			6 hour timeframe. Accordingly, locations for resting will		
			not be required. Local residents along the affected route		
			will be notified of the timescale for abnormal load		
			deliveries.		
			The Developer will lodge a bond with Mayo County		
			Council prior to commencement of construction in the		
			amount to be agreed with the Council for the possible		
			repair/upkeep of the roads. During the construction		
			period, these roads will be inspected weekly by the		
			Developer's Resident Engineer and the Contractor will		
			be instructed to repair any defects within the following		
			two weeks. At the end of the construction period, any		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
J			further defects will be remedied to the satisfaction of		
			Mayo County Council.		
			Wheel cleaning equipment will be used at the exit to the		
			Proposed Development site to prevent any mud and/or		
			stones being transferred from site to the public road		
			network. All drivers will be required to see that their		
			vehicle is free from dirt and stones prior to departure		
			from the construction sites.		
			The sites' entry points will also be appropriately signed.		
			Access to the Proposed Development site will be		
			controlled by onsite personnel and all visitors will be		
			asked to sign in and out of the site by security / site		
			personnel on entering and exiting the site. All site visitors		
			will undergo a site induction covering Health and Safety		
			issues at the Wind Farm Site TCC and will be		
			required to wear appropriate Personal Protective		
			Equipment (PPE) while onsite.		
			 In addition, any dust generating activities will be 		
			minimised where practical during windy conditions, and		
			drivers will adopt driving practices to minimise the		
			creation of dust. Where conditions exist for dust to		
			become friable, techniques such as damping down of		
			the potentially affected areas will be employed.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Reference freading	LIFAR Onaptor	Scotion	To reduce dust emissions, vehicles transporting crushed	result	rtoquirou
			stone will be covered during both entrance and egress		
			to the site.		
			A survey of the TDR will be undertaken prior to		
			commencement to identify if any new overhead lines or		
			broadband lines will need to be lifted along the route to		
			allow abnormal loads such as tower sections and		
			nacelles to be delivered.		
			During the construction phase, clear construction		
			warning signs will be placed on the R314, L-5177-		
			0,5176-0, L-1107-99, L-1110-87, L-1110-117 and L-		
			1111-0 as necessary, which will advise road users of the		
			presence of a construction site and of the likelihood of		
			vehicles entering and exiting the site or road		
			construction areas. This will help improve road safety.		
			Works on public roads on the TDR and GCR will be		
			strictly in accordance with "Guidance for the Control and		
			Management of Traffic at Road Works – 2 nd Edition		
			2010" as well as "Traffic Signs Manual 2010-Chapter 8 -		
			Temporary Traffic Measures and Signs at Roadworks".		
			Road Closures will be obtained for Grid Connection		
			works on narrow public roads with passing bays		
			available. A number of options are available in some		
			areas for diverting traffic that will allow flexibility during		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Kelefelice fleading	LIAIX Gliaptei	Section	construction. For the works within the L-31143, L-1114,	Result	Required
			R314, L-5177, L-5176, L-1107, L-1111, L-1116 and the		
			L-5147, passing bays can be utilised if necessary. While		
			traffic diversions are in place, local access will be		
			maintained at all times. All access points (domestic,		
			business, farm) will be considered when finalising the		
			proposed road closures and diversions. Additional		
			measures such as local road widening, traffic shuttle		
			systems and 'Stop-Go' systems will also be considered		
			subject to agreement with Mayo County Council. Road		
			closures will be scheduled in consultation with local		
			residents, and the Contractor shall endeavour to avoid		
			times of high agricultural activity e.g. silage cutting.		
			The widening/straightening of the TDR on the R315,		
			L51732, L5179, R314, L31143, L51791, L5179-23,		
			L51731, L31142, L5187, L5187-47 and the L21147 is		
			proposed to be completed in advance of road closures.		
			• Road Closures on the R314, L-5177-0,5176-0, L-1107-		
			99, L-1110-87, L-1110-117 and L-1111-0 will be		
			required during construction. Each road will be closed as		
			required and for as short a time possible. Only one road		
			will be closed at a time so as not to disrupt local traffic		
			i.e. one road will close and the other left open to detour		
			vehicles within the local road network.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			 Road Opening Licences will be obtained for the Grid Connection trench and chambers within public roads as well as for the widening of public roads. All vehicles using or while in operation at the Proposed Development Site shall either have roof mounted flashing beacons or will use their hazard lights. A speed limit of 25 km/h shall apply to all vehicles within the Proposed Development site. Provide a footpath adjacent to the upgraded carriageway where works are being undertaken. This footpath should provide a safe method of permitting pedestrians to access the pre-exiting carriageway at the terminations of the works. Ensure all visibility envelopes are kept clear of high vegetation. Provide visibility splays set back a suitable distance from the yield line. Provide a uniform radius from the roundabout entry to the exit. Reinstate any speed limit signs removed by the works. Redesign this arm or roadside treatment to enable road users to differentiate this private access from the public ones. 		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Biodiversity	Appendix 2.1 CEMP	3.2	A suitable Ecological Clerk of Works (ECoW) with experience in		
			overseeing wind farm construction projects will be appointed by the		
			Contractor for the duration of the construction phase to ensure that		
			the CEMP is effectively implemented and that all planning		
			conditions relating to biodiversity are complied with. An		
			Environmental Manager will be appointed by the Developer to		
			oversee the environmental management of the project, advise on		
			the environmental issues and ensure compliance by the		
			Contractor.		
			The appointed ECoW will deliver a toolbox talk to all contractors,		
			including sub-contractors, prior to construction starting on		
			ecologically sensitive features within or in close proximity to the		
			works area. The duties of the ECoW will be to monitor the efficacy		
			of mitigation measures implemented by the contractors and to		
			report on the application and success of these measures. In the		
			event of pollution occurring or the potential to occur, the ECoW will		
			have a 'Stop Works' authority to ensure measures to stop a		
			pollution event are implemented immediately.		
			An Ecological Clerk of Works (ECoW) will be employed by the		
			Contractor for the duration of the construction phase and will		
			ensure that all mitigation measures relating to ecology described in		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
	·		this report and contained within the planning permission are		
			implemented.		
			All mitigation measures have been developed in the context of		
			national and international legislative guidance for the protection		
			and management of flora, habitats of conservation importance,		
			fauna and aquatic ecological interest.		
			Guidelines to be adhered to in the delivery of the CEMP and		
			method statements are as follows:		
			EPA Guidelines on the Information to be contained in		
			Environmental Impact Assessment Reports (2022).		
			European Commission (2017) Environmental Impact		
			Assessment of Projects. Guidance on the preparation		
			of the Environmental Impact Assessment Report.		
			(Directive 2011/92/EU as amended).		
			NRA (2009). Guidelines for Assessment of Ecological		
			Impacts of National Road Schemes.		
			CIEEM (2018). Guidelines for Ecological Impact		
			Assessment in the UK and Ireland: Terrestrial,		
			Freshwater, Coastal and Marine. Chartered Institute		
			of Ecology and Environmental Management,		
			Winchester.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Troision of the daming			Fossitt (2000). A Guide to Habitats in Ireland. Heritage	TOOUT	Troquii ou
			Council, Kilkenny.		
			Smith et al. (2011). Best Practice Guidance for Habitat		
			Survey and Mapping in Ireland.		
			Bats and onshore wind turbines: Survey, Assessment		
			and Mitigations. Scottish Natural Heritage January,		
			2019.		
			Bats and onshore wind turbines - Survey, Assessment		
			and Mitigation. Scottish Natural Heritage. August 2021		
			Bat Conservation Ireland Guidelines for consideration		
			of bats in wind farm projects - Revision 2014		
			BTHK (2018). Bat Roosts in Trees – A Guide to		
			Identification and Assessment for Tree-Care and		
			Ecology Professionals. Pelagic Publishing, Exeter UK.		
			CIEEM (2021). Bat Mitigation Guidelines. A guide to		
			impact assessment, mitigation and compensation for		
			developments affecting bats. Beta version 1.0.		
			Collins, J. (Editor) (2023) Bat Surveys for Professional		
			Ecologists: Good Practice Guidelines (4th edition). Bat		
			Conservation Trust, London		
			Kelleher, C. & Marnell, F. (2006) Bat Mitigation		
			Guidelines for Ireland. Irish Wildlife Manuals, No. 25.		
			National Parks and Wildlife Service, Department of		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			Environment, Heritage and Local Government,		
			Dublin, Ireland.		
			Marnell, F., Kelleher, C. & Mullen, E. (2022) Bat		
			mitigation guidelines for Ireland v2. Irish Wildlife		
			Manuals, No. 134. National Parks and Wildlife		
			Service, Department of Housing, Local Government		
			and Heritage, Ireland.		
Biodiversity	Appendix 2.1 CEMP	3.2.1	Within the Wind Farm Site all turbine locations and associated		
			infrastructure have a buffer zone of at least 50 m from natural		
			streams, with a 10 m buffer to significant drains. No works will		
			take place within these buffer zones except for the watercourse		
			crossings on the access track network. Implementation of such		
			buffer zones will result in the avoidance of sensitive hydrological		
			features. Direct discharges to surface waters of dewatered loads		
			will not be permitted under any circumstances. This in turn will		
			avoid or reduce the potential for adverse effects on downstream		
			designated sites.		
Biodiversity	Appendix 2.1 CEMP	3.2.2.1	Taking into account the value of local hedgerows and that the		
			new plantings will take up to 10 years to equal in structure and		
			diversity the hedges removed, a greater area will be replanted		
			than is removed. A figure of 50 % above the loss is considered		
			appropriate, which results in a length of 2,438 m to be replanted.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Reference Heading	EIAR Chapter	Section	A strip of 3 m width will be allowed for staggered planting (see	Result	Required
			below) and fencing as required. The area required for the		
			replacement planting of permanent hedging is therefore 7,314		
			m² or 0.73 ha .		
			the Turbine Delivery Route will require the removal of 2,735 m		
			of hedging from along roads to facilitate road widening. While		
			this will be replanted along the extended road edge when works		
			are complete, the temporary loss is significant as there will be an		
			interval of up to ten years before the replanted hedging attains		
			similar value to what will be removed. Due to the ecological value		
			of hedgerows, additional mitigation is required for this temporary		
			loss and it is considered appropriate that 50% of this figure, i.e.		
			1,368 m , is replanted elsewhere as permanent hedging to offset		
			this temporary adverse effect. Using a 3 m planting strip width,		
			this amounts to 4,104 m ² or 0.41 ha .		
			From above, the amount of new planting required to offset the		
			permanent and temporary loss of hedgerows is 3,806 m or		
			11,418 m² (1.14 ha).		
			Additional losses of scrub, mostly willow and gorse, will be lost		
			to create bat buffers at wind turbines AT11 and AT15, which is		
			estimated at 0.29 ha .		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			An ecologist will advise on the exact design and details for the		
			new plantings. To maximise the biodiversity potential, the		
			plantings will connect with ecological features such as existing		
			hedgerows and treelines. The plantings will comprise both linear		
			strips and broader stands of woodland.		
			The following guidance will be adhered to for hedge planting:		
			As soon as a date is agreed for the commencement of		
			construction, the first step in the schedule will be the planting		
			of the new hedgerows/woodland strips within the appropriate		
			season. The earlier planting is carried out the better, as this		
			will allow time for these features to establish prior to the loss		
			of existing features.		
			Plantings will consist of native Irish species from Irish genetic		
			stock (certified Irish). Hedgerow species which have a fairly		
			widespread presence in the area, and which are useful		
			biodiversity species, include hawthorn, blackthorn, grey		
			willow (<i>Salix cinerea</i> subsp. <i>oleifolia</i>), hazel, holly, rowan		
			(Sorbus aucuparia), alder (Alnus glutinosa), guelder rose		
			(Virburnum opulus) and spindle (Euonymous europaeus).		
			Formerly ash would be used as a principal tree standard but		
			is not being planted due to ash dieback disease. Instead,		
			sessile oak (<i>Quercus petraea</i>) is a suitable species.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Reference freading	Elitat offaptor		Hedgerows will be planted in a double staggered row within	rtoourt	rtoquilou
			strips of 3 m width. Spacing will be 20-30 cm apart using 60-		
			90 cm high 'whips'. The dominant species will be hawthorn,		
			blackthorn, grey willow and hazel (20-50 % each), with holly,		
			rowan, alder, spindle and guelder rose as supporting species		
			(less than 10 % each). Alder and willow would be particularly		
			useful if along watercourses.		
			Tall trees will be planted at approximately 30 m intervals and		
			will consist mainly of sessile oak, though species such as		
			alder can be allowed to grow tall.		
			The planted strip will be fenced off from livestock (where		
			required). Trees planted as standards will be individually		
			fenced to protect from deer.		
			Fertiliser application will not be permitted.		
			The control of competing vegetation is critical for the		
			establishment and growth of young trees. Inadequate		
			vegetation management will result in mortality, loss of growth		
			and vigour and the need for further inputs during the		
			establishment process.		
			Any plants that fail will be replaced on an annual basis for		
			the first five years since start of planting programme.		
Biodiversity	Appendix 2.1 CEMP	3.2.2.2	Restricted access to bog		
			At the commencement of works, the required work footprint on		
			the bog will be identified and the area will be marked by a rope		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Troilor of the during			fence (using wooden poles) and with appropriate signage. No	rtoourt	rtoquirou
			construction activities will be allowed outside of the agreed work		
			area for the duration of the construction period. The ECoW will		
			inspect the site regularly whilst works are on-going. Excavated		
			peat and subsoil will be removed to the approved deposition		
			area, with no storage of peat or any other materials on the		
			adjoining bog area. The rope fences will remain in place until the		
			works at this location are fully complete.		
			Re-vegetation of bare surfaces at work area		
			An ecological objective is to minimise the area of exposed peat		
			surface and to encourage rapid re-vegetation of the disturbed		
			bog surface at wind turbine AT15 location. This will be achieved		
			by the removal of the vegetated bog surface within the work		
			footprint, the storage of this material, and subsequent re-use		
			around the turbine and hardstand margins.		
			First, a suitable local area will be identified where the removed		
			material can be stored for the duration of the works – it is noted		
			that such areas will not be on other vegetated bog surfaces but		
			rather grassland habitat. Also, it is important that the selected		
			storage areas will not be prone to disturbance for the duration of		
			the required storage period.		

Deference Heading	EIAD Chantar	Castian	Midigation Magazina	Audit	Action
Reference Heading	EIAR Chapter	Section	Mitigation Measure The approach to 'save' the surface vegetated material will be as	Result	Required
			follows: the surface will be cut-out as sods or 'turves' to a depth		
			of approximately 20-30 cm using a dumper/digger with a bucket.		
			Care will be taken to keep the turves as intact as possible and		
			the vegetated side upwards. The turves will be loaded to a trailer		
			and transported to the pre-identified storage area. The turves will		
			be off-loaded from the trailer and placed side by side and		
			vegetation side upwards. They will be placed in single layers, i.e.		
			not piled on top of each other. Should storage of the above		
			materials be for prolonged periods (months), the stored turves		
			and peat piles will need to be watered during dry spells.		
			When ready for placement at the finished turbine/hardstand, the		
			turves will be lifted with a dumper and bucket and taken to the		
			destination. Here they will be off-loaded and placed side by side		
			on the disturbed bog surface with vegetation side up. The turves		
			will be bedded in with the bucket of a dumper so that they form		
			a continuous layer without gaps between them. This approach		
			will provide almost immediate cover of the bare surfaces.		
			·		
			All of the above processes will be monitored by the ECoW.		
Aquatic ecology	Appendix 2.1 CEMP	3.3.1	All Site Access Tracks will be designed to minimise excavation		
			on the site and reduce the risk of sediment runoff. A sealed silt		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
reference fleading	LIAIT Oliaptei	Occion	fence must be placed at both sides of points where rivers or	resure	required
			streams are crossed and to a minimum of 10m upstream and		
			downstream of each crossing at both sides of the road. Swales		
			for turbine bases and hard standings must be constructed.		
			All infrastructures must have a setback distance of 50m away		
			from all streams within the site except for the watercourse		
			crossings. If Site Access Tracks cross watercourses they will be		
			constructed as clear span bridges or precast concrete culverts.		
			No instream wet concrete operations or construction will be		
			permitted, and installation of any instream elements should be		
			completed in dry conditions. There are also 15 stream crossings		
			proposed within the Windfarm Site. Where Site Access Tracks		
			pass close to watercourses, silt fencing should be used to protect		
			the streams. Stream crossings will be constructed during low		
			flow conditions and within a 5-day weather window. How this will		
			take place will be detailed in the SWMP. A silt fence will be		
			placed downstream of all works and regularly maintained.		
			Materials used to install culverts and stream crossings should be		
			ore-cast.		
			Spoil heaps from the excavations for the turbine bases and		
			trenches (where cables are to be buried) will be covered with		
			geotextile and surrounded by silt fences to filter sediment from		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Reference freating	LIAIT Oliaptei	Section	the surface water run-off from excavated material. Any berms will	Result	Required
			be covered with a geo-textile matting to avoid sediment runoff;		
			berms will be surrounded by silt fencing until vegetation has		
			been established in the following growing season. If cables will		
			be installed in trenches, they will be located underneath and		
			directly adjacent to access tracks as far as possible. Trenches		
			will be excavated during dry periods where possible in short		
			sections and left open for minimal periods to avoid acting as a		
			conduit for surface water flows. Clay bunds will be constructed		
			within any cable trenches at intervals.		
			The final version of the SWMP should be distributed for		
			consultation, detailing the required measures for the Contractor		
			to implement in the event of a 'worst case' scenario on the site.		
			Timing of the proposed instream works will also take account of		
			the fisheries constraints within the study area, where no works		
			will be undertaken in the instream environment during the		
			salmonid close season (October–June annually), which also		
			avoids the lamprey spawning season.		
			. , , ,		
			Secure concrete washout areas will be designated onsite		
			(Figure 3.4 and Figure 3.5)		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
recipion from the	LIAIT Oliuptoi	Scotion	Standing water in the excavations at the turbine bases will	resure	rtoquired
			contain an increased concentration of suspended solids. The		
			excavations will be pumped into temporary settlement basins as		
			necessary which should be lined, and which should drain into		
			existing or proposed drainage channels onsite. The settlement		
			basins will be constructed in advance of any excavations for the		
			turbine bases.		
			Any diesel or fuel oils stored onsite will be bunded to 110% of		
			the capacity of the storage tank. Such facilities will not be located		
			near any drain or watercourse. Design and installation of fuel		
			tanks will be in accordance with best practice guidelines.		
			Refuelling of plant during construction will be carried out in an		
			appropriately designed designated area, away from		
			watercourses. Drip trays and spill kits will be kept available		
			onsite. Appropriate containment facilities will be provided to		
			ensure that any spills from the vehicle are contained and		
			removed offsite.		
			Appropriate preventative measures will be implemented to		
			ensure that non-native aquatic/riparian species are not		
			introduced into the Site. These measures should follow as		
			relevant the manual 'The Management of Noxious Weeds and		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
J	·		Non-Native Invasive Plant Species on National Roads' by NRA		
			(2010).		
Major Accident	Appendix 2.1 CEMP	3.4.4.2	Fences and other physical barriers (i.e. concrete blocks) should		
			be onsite and available in sufficient quantities to be used in the		
			event of ground instability. A plan should be made to prevent or		
			divert any landslide away from protected areas (NHA, SPA,		
			SAC).		
			Where the onset or actual detachment of peat (e.g., cracking,		
			surface rippling) occurs:		
			All activities in the area will cease and all available resources		
			will be diverted to assist in the required mitigation		
			procedures.		
			The Site Manager/ Main Contact must be notified		
			All relevant authorities will be notified if a peat slide event		
			occurs onsite and this Emergency Response Plan (ERP)		
			followed.		
			Where peat slides do not represent a risk to a watercourse		
			and have stopped moving, they will be stabilised using rock		
			infill, if required. The failed area and surrounding area will		
			then be assessed by the engineering staff and a stabilisation		
			procedure implemented. The area will be monitored, as		
			appropriate, until movements have stopped.		
			Where possible, check barrages (comprises the placement)		
			of rock fill across a watercourse which allows the passage of		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			 water but will prevent peat debris from passing through) will be constructed on land using rock fill to prevent a peat slide reaching any watercourse. If peat reaches a watercourse a check barrage will need to be constructed across the watercourse preventing the peat from moving downstream. The check barrage will allow water to flow through it, but the peat will be trapped. The size of the check barrage will depend on the scale of the peat slide to be contained and the geometry of the watercourse at the location of the barrage. All measures to contain the peat slide must be approved by the Mayo County Council or Inland Fisheries Ireland (IFI). 		
Major Accident	Appendix 2.1 CEMP	3.4.5.2	Procedures and contingency plans will be set up to deal with an emergency accidents or spills. In particular an emergency spill kit with oil boom and absorbers will be kept onsite in the event of an accidental spill. All site operatives will be trained in its use. Emergency contact numbers for the Local Authority Environmental Section, Inland Fisheries Ireland, the Environmental Protection Agency and the National Parks and Wildlife Service will be displayed in a prominent position within the vicinity of works. Additionally, emergency responses, including methodologies, are specified in the Management Plan 1: Emergency Response Plan.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Air and Climate	Appendix 2.1 CEMP	3.6	Site Access Tracks will be upgraded and built in the		
			initial construction phases. These tracks will be finished		
			with graded aggregate which compacts, preventing dust		
			Approach roads and construction areas will be cleaned		
			on a regular basis to prevent build-up of mud and		
			prevent it from migrating around the Site and onto the		
			public road network.		
			Wheel wash facilities will be provided at 6 no. locations		
			throughout the Wind Farm Site to prevent mud/dirt being		
			transferred from the Wind Farm Site to the public road		
			network. Wheel wash 1 will be located at the Temporary		
			Construction Compound (site entrance 2) to the south of		
			the Wind Farm Site. Wheel wash 2 will be located at site		
			entrance 1. Wheel wash 3 will be located at site entrance		
			3. Wheel wash 4 will be located at site entrance 5. Wheel		
			wash 5 will be located at the Temporary Construction		
			Compound (site entrance 11) to the north of the Wind		
			Farm Site. Wheel wash six will be located at site		
			entrance 14 (spoil deposition area).		
			The wheel wash facilities will be located outside the 50		
			m watercourse buffer zone (see Appendix 2.1, CEMP		
			Sections 3.5 and 3.12).		
			Public roads along the Construction Haul Route will be		
			inspected and cleaned daily when required. In the		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
g			unlikely event that dirt/mud is identified on public roads,		
			the roads will be cleaned. The wheel wash facility will be		
			investigated and the problem fixed to prevent this from		
			happening again.		
			During periods of dry and windy weather, there is		
			potential for dust to become friable and cause		
			disturbance to nearby residences and users of the local		
			road network. This requires wetting material and		
			ensuring water is supplied at the correct levels for the		
			duration of the work activity. The weather will be		
			monitored so that the need for damping down activities		
			can be predicted. Water bowsers will be available to		
			spray work areas (Turbine Hardstand areas and GCR)		
			and Construction Haul Route roads to suppress dust		
			migration from the Wind Farm Site.		
			Vehicles delivering materials to the Wind Farm Site will		
			be covered appropriately when transporting materials		
			that could result in dust, e.g., crushed rock or sand.		
			Exhaust emissions from vehicles operating within the		
			Wind Farm Site, including trucks, excavators, diesel		
			generators or other plant equipment, will be controlled		
			by the Contractor by ensuring that emissions from		
			vehicles are minimised through regular servicing of		
			machinery.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			All machinery, when not in use, will be turned off.		
			Ready-mix concrete will be delivered to the Wind Farm		
			Site and no batching of concrete will take place onsite.		
			Only washing out of chutes will take place onsite and this		
			will be undertaken at a designated concrete washout		
			facility at the contractor's Temporary Construction		
			Compound. The concrete wash water will be disposed		
			of at a license facility outlined in the Construction		
			Environment Management Plan (CEMP) – Management		
			Plan 5 Waste Management Plan (Appendix 2.1).		
			Speed restrictions of 15 km/h on Site Access Tracks will		
			be implemented to reduce the likelihood of dust		
			becoming airborne. Consideration will be given to how		
			onsite speed limits are policed by the Contractor and		
			referred to in the toolbox talks.		
			Stockpiling of materials will be carried out in such a way		
			as to minimise their exposure to wind. Stockpiles will be		
			covered with geotextiles layering and damping down will		
			be carried out when weather conditions require it.		
			Earthworks and exposed areas/soil stockpiles will be re-		
			vegetated to stabilise surfaces as soon as practicable.		
			An independent, qualified Geotechnical Engineer will be		
			contracted for the detailed design stage of the Proposed		
			Development and geotechnical services and will be		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
ŭ			retained throughout the construction phase, including monitoring and supervision of construction activities on a regular basis. The methodology statement will be signed off by a suitably qualified Geotechnical Engineer. • A complaints procedure will be implemented on the Wind Farm Site where complaints will be reported, logged and appropriate action taken.		
Water Quality	Management Plan 2 Water Quality	4.5	Suspended solid pollution will be avoided by use of a bottomless bridge culvert. Where a Bottomless Bridge Culvert is installed, its construction will follow IFI (2016) for works in or adjacent to watercourses. Mitigation will include protection of the riparian bank structure, minimisation of sedimentation to the watercourse by use of silt fencing, sandbags or other sediment reducing measures, and minimisation of instream activity. The following mitigation is proposed and is in line with IFI (2016) Guidelines on Protection of Fisheries during Construction Works in and Adjacent to Waters, in particular Section 6 – River and Stream Permanent Crossing Structures.		

Deference Heading	EIAD Chantan	Continu	Mitiration Magazine	Audit	Action
Reference Heading Air quality	EIAR Chapter Management plan 6	Section 3.3	Mitigation Measure Proposed measures, which are the same as those proposed for	Result	Required
, in quanty	decommissioning	0.0	the construction phase, to control dust include:		
	plan		Any Site Access Tracks with the potential to		
	Piati				
			give rise to dust will be regularly watered, as		
			appropriate, during dry and/or windy		
			conditions.		
			The designated public roads outside the site		
			and along the main transport routes to the		
			Wind Farm Site will be inspected daily by the		
			Site Manager for cleanliness and cleaned if		
			deposits are found.		
			Material handling systems and material		
			storage areas influenced by convenience and		
			ease of handling, and peat slippage safety.		
			Water misting or sprays will be used in dry and		
			windy if particularly dusty activities are		
			necessary during dry or windy periods.		
			The transport of soils or other material, which		
			has significant potential to generate dust, will		
			be undertaken in tarpaulin-covered vehicles.		
			·		
			Daily inspection of the site to examine dust		
			measures and their effectiveness.		
			When in dry and/or windy weather and dirt is		
			visible on the roads, sections of the haul route		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
J			will be swept using a truck mounted vacuum		
			sweeper.		
Noise	Management plan 6	3.4	Diesel generators will be enclosed in sound proofed containers		
	decommissioning		to minimise the potential for noise impacts.		
	plan		Plant and machinery with low inherent potential for generation of		
			noise and/or vibration will be selected. All plant and equipment		
			to be used onsite will be modern equipment and will comply with		
			the S.I. No. 359/1996 - European Communities (Construction		
			Plant and Equipment) (Permissible Noise Levels) (Amendment)		
			Regulations.		
			Regular maintenance of plant will be carried out in order to		
			minimise noise emissions. Particular attention will be paid to the		
			lubrication of bearings and the integrity of silencers.		
			All vehicles and mechanical plant will be fitted with effective		
			exhaust silencers and maintained in good working order for the		
			duration of the works.		
			Compressors will be of the "sound reduced" models fitted with		
			properly lined and sealed acoustic covers which will be kept		
			closed whenever the machines are in use and all ancillary		
			pneumatic tools shall be fitted with suitable silencers.		
			Machines, which are used intermittently, will be shut down during		
			those periods when they are not in use.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			Training will be provided by the Site Manager to drivers to ensure		
			smooth machinery operation/driving, and to minimise		
			unnecessary noise generation.		
			Local areas of the haul route will be condition monitored and		
			maintained, if necessary.		
Drainage	NIS	3.4.1.2	Surface water management measures will be put in place		
			concurrently during the development of the various		
			infrastructure. The measures entail the following key elements		
			which are described in detail within the Surface Water		
			Management Plan of the CEMP (Management Plan 3).		
			Open Constructed drains for development run-off collection and		
			treatment;		
			Collection Drains for upslope "clean" water collection and		
			dispersion;		
			Filtration Check Dams to reduce velocities along sections of road		
			which run perpendicular to contours;		
			Settlement Ponds, Settlement Lagoons and Buffered Outfalls to		
			control and store development runoff to encourage settlement		
			prior to discharge at Greenfield runoff rates.		
			There will be no direct site run-off to watercourses during the		
			construction phase with all outflows from drainage via settlement		
			ponds from which treated surface water is released by diffuse		
			overland flow at appropriate locations. To reduce the amount of		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Troid off of the same			silt laden water to be treated, clean water drains will be created	rtoouit	rtoquiiou
			upstream of the works area to divert water away from		
			construction areas, thereby lessening the volume of water to be		
			treated onsite.		
			De-watering of excavations, where required, will be through		
			filtered 'silt socks' / dewatering bags or a 'Siltbuster' or similar		
			system, prior to discharge. Excavations will be kept to the		
			absolute minimum for the specific task and undertaken on a 'just		
			in time' basis to minimise the extent of silty water generated and		
			requiring treatment prior to discharge.		
			A comprehensive vegetation restoration programme will be		
			implemented on disturbed peat surfaces to minimise the risk of		
			run-off from bare peat surfaces post-construction (details in		
			EIAR Chapter 6, Section 6.5.2.2). This will involve the		
			replacement of saved sods of the surface bog vegetation or piles		
			of surface peat (containing rhizomes, seeds etc.) which will have		
			been removed at the commencement of works and stored. Re-		
			seeding of bare surfaces with a suitable seed mix (as		
			recommended by the project ecologist) may supplement the		
			above in some places.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Water Quality	NIS	3.4.1.3	Sediment traps or settlement ponds will be provided at all outfalls		
			during construction. All construction site run-off will be		
			channelled through a stilling process to allow suspended solids		
			to settle out and through a spill-containment facility prior to		
			discharge.		
			Daily monitoring of all sediment traps and settlement ponds will		
			be undertaken by the Contractor and supervised by the		
			Environmental Manager to ensure satisfactory operation and/or		
			maintenance requirements.		
			The storage on site of oils, hydraulic fluids, etc. will be		
			undertaken in accordance with current best practice for oil		
			storage (Enterprise Ireland, BPGCS005).		
			The pouring of concrete, sealing of joints, application of water-		
			proofing paint or protective systems, curing agents, etc. will be		
			completed in the dry to avoid pollution of the freshwater		
			environment.		
			Vehicles will be refuelled off-site where possible. For vehicles		
			that require refuelling on-site, fuels will be stored in the		
			temporary construction compound and bunded to at least 110%		
			of the storage capacity of fuels to be stored. Refuelling will take		
			place via a mobile double skinned fuel bowser. The bowser will		
			be a double axle refuelling trailer which will be towed to the		
			refuelling locations by a 4x4 vehicle. The 4x4 will carry, a drip		
			tray, spill kit and absorbent mats in case of any accidental		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Reference Heading	EIAK Chapter	Section	spillages. Only designated competent personnel will refuel plant	Result	Required
			and machinery on the Site.		
			All machinery operating on water course crossings will be steam-		
			cleaned in advance of works and routinely checked to ensure no		
			leakage of oils or lubricants occurs. All fuelling of machinery will		
			be undertaken on dry land.		
			Instream works shall be undertaken during the period 1st July to		
			30 th September as required by Inland Fisheries Ireland Guidance		
			(2016) to avoid accidental damage or siltation of spawning beds,		
			and unless otherwise specified by IFI during consultations in		
			advance of works.		
			Culverting works will be undertaken in dry conditions and in low		
			flow conditions on drains that do not run dry. This will be within		
			the summer period during periods of dry stable weather.		
			During the culvert installation and associated construction work,		
			double silt fences shall be emplaced immediately downgradient		
			and downstream of the construction area for the duration of the		
			construction phase.		
			There will be no concrete batching on the Wind Farm Site.		
			Rather, it will be transported to the Site as it is required. A		
			dedicated, bunded area will be created to cater for concrete		
			wash-out. This will be for the wash-out of the chutes only after		
			the pour. Concrete trucks will then exit the Site and return to the		
			supply plant to wash out the mixer itself. The main concrete		

Deference Heading	FIAD Charter	Castian	Midigation Manager	Audit	Action
Reference Heading	EIAR Chapter	Section	Mitigation Measure pours at the turbine locations will be planned in advance and will	Result	Required
			adhere to the following:		
			Avoiding large concrete pours, for Turbine Foundations for		
			example, on days when heavy or prolonged rainfall is forecast,		
			i.e., 25 mm in a 24-hour period (heavy frontal rainfall lasting most		
			of the day); or rainfall depth greater than monthly average in		
			seven days (prolonged heavy rainfall over a week). Concrete		
			pouring will be avoided during a period in which a Met Éireann		
			Status Red weather event has been implemented.		
			Ensuring that all concrete pour areas are dewatered prior to		
			pouring concrete and while the concrete is curing.		
			Making covers available so that areas can be covered if heavy		
			rain arrives during the curing process which will prevent runoff of		
			concrete which has a high pH.		
			In the unlikely event of any incidents of pollution to watercourses,		
			immediate steps will be undertaken to resolve the cause of the		
			pollution and mitigate against the impact of pollution, following		
			the advice set out in, the site-specific Emergency Response Plan		
			(CEMP- Management Plan 1).		
Ground Stability	NIS	3.4.2	The CEMP includes an emergency response to be applied in the		
			event of a landslide or ground instability. In particular, catch		
			fences and other physical barriers (i.e. concrete blocks) will be		
			on-site and available in sufficient quantities to be used in the		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Treference fleading	LIAIT Oliaptei	Section	event of ground instability. A plan will be made to prevent or	Result	Required
			divert any landslide away from the European sites associated		
			with Killala Bay.		
			On-site training and toolbox talks will ensure any response to any		
			potential incident is escalated quickly and efficiently.		
			Following best practice guidelines (as outlined by The Scottish		
			Executive & Halcrow Group Ltd in "Peat Landslide Hazard and		
			Risk Assessment - Best Practice Guide for Proposed Electricity		
			Generation Developments", April 2017), peat landslide risk		
			analysis has indicated a NEGLIGIBLE HAZARD of instability in		
			relation to the proposed turbine locations and proposed access		
			tracks, should all mitigation measures and recommendations be		
			adhered to, and as such the project should have no adverse		
			effect on the soils, geology or surface water aspects in the		
			vicinity of the proposed Tirawley Wind Farm project.		
Horizontal directional	NIS	3.4.3	As noted in section 3.2 above, during the HDD processes there		
drilling			is a risk of leakages of drilling fluids which can have toxic effects		
			on aquatic biota (depending on the type of lubricant used).		
			It is noted that for this Project, 'Clearbore' or a similar		
			environmentally friendly drilling fluid product will be used during		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			the HDD process. Clearbore is produced using free flowing		
			polymers and is designed to instantly break down and become		
			chemically destroyed in the presence of small quantities of		
			calcium hypochlorite. At normal usage, the product is not toxic		
			to aquatic organisms and is biodegradable.		
			Full details for mitigation during the HDD process are given in		
			Chapter 9: section 9.5.1.12.		
Chemicals	NIS	3.5.3	While storage of chemicals on the Wind Farm Site will be limited		
			to relatively minor quantities of hazardous materials used for		
			maintenance purposes, these will be housed in the site		
			compound within a secure bunded COSSH store to ensure		
			containment should a spillage or leakage occur and thus prevent		
			contaminants from reaching local drains and watercourses.		
Proposed	Biodiversity	2.3	The following management measures outline the work that will		
Management	Enhancement		be required for implementation of the Plan and will be in effect		
Methodology	Management Plan		for the lifetime of the project.		
	(BEMP) Appendix 6.4				
			Prior to the measures for the BEMP being implemented, AT18		
			and the associated road (outside of BEMP area) will have been		
			constructed. The sectors of the quarry which will receive spoil		
			will have been prepared by the Contractor accordingly (following		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action
Reference Heading	LIAK Chapter	Section	details as described in EIAR). The areas to receive spoil are	Result	Required
			shown in Figure 2.6 of EIAR (and see Figure 3).		
			Prior to this, an ecologist will have carried out a pre-construction survey for the presence of amphibians within the ponds in the southern sector of the site (northern two ponds are not in areas to receive spoil or road excavations) and any other temporarily flooded areas of the quarry floor. Should any spawn or young/adult frogs or newts be found, these will be removed		
			(under licence) to one of the other ponds within the facility.		
			The construction works required to prepare the ground for spoil deposition will be carried out outside of the bird breeding season		
			(March-August). If there is a need for construction works during the restricted season, these will only occur after a pre- construction survey to ensure breeding birds will not be disturbed		
			by works. It is noted that once the preparatory work has been complete, the deposition of spoil would not have effects on local breeding birds.		
			At the commencement of the above-mentioned construction works, all discarded metal and other materials associated with		
			former quarrying activity, as well as materials dumped since (un-		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
reference freating	LIAR Onapter	Occion	authorised), will be removed from the quarry facility for recycling	resure	required
			or authorised disposal.		
			The filling of the cells with peat and mineral soil (latter may at		
			times be partly mixed with peat) will be supervised, as required,		
			by the ECoW. When deposition is complete, the material in the		
			cells will be covered with topsoil and/or peat and allowed to		
			settle. Measures will then be implemented to maximise the		
			ecological value of these areas in the context of the overall		
			BEMP area		
Measure no. 1:	Biodiversity	2.3.1	Once the construction of AT18 and the access road through the		
Baseline ecological	Enhancement		site (leading to AT17) is complete, and the storage facilities		
resurvey of BEMP	Management Plan		prepared and receiving spoil, a general baseline ecological		
area	(BEMP) Appendix 6.4		survey of the site will be undertaken to establish conditions at		
			start of Plan period. This will include the following (all surveys		
			will be undertaken by personnel with appropriate expertise):		
			Habitat and flora survey - this will be in period May to September.		
			Principal habitats will be mapped and species lists compiled.		
			Notes will be made on areas of disturbance and where		
			management works may be required. It is anticipated that an		
			up-to-date aerial image will be compiled from a drone survey		
			(and such would be repeated in future years).		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Reference fleading	LIAR Onapter	Section	Bird survey - this will comprise two site visits in summer and two	Result	Required
			in winter. A transect will be set up through the main habitats		
			and will be used for future monitoring.		
			Bat survey - this will take place in period April to August when		
			maximum bat activity can be expected. Three evening walk-over		
			surveys will be undertaken to record activity throughout the site.		
			Amphibian survey - this will take place in period April to August		
			when maximum amphibian activity can be expected within the		
			ponds and wetlands on site.		
			Invertebrate survey - this will comprise at least two site visits		
			during the summer period, with focus on butterflies, dragonflies		
			and damselflies.		
			Any other wildlife species observed during the various surveys		
			will be recorded, including mammal species such as the Irish		
			hare (recorded in EIAR survey) and the common lizard (recorded		
			in EIAR survey).		
Measure no. 2:	Biodiversity	2.3.2	While the extent of the abandoned quarry facility is fairly clear,		
Demarcation of BEMP	Enhancement		there is a need to identify the eastern and western boundaries,		
area	Management Plan		which are presently unmarked (though old fence lines may exist),		
	(BEMP) Appendix 6.4		so that third parties are aware of the area within the control of		
			the Tirawley Wind Farm Project. This would be done by		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			insertion of wooden posts within the bog at intervals along these		
			boundaries. As disturbance to the bog needs to be minimised,		
			the posts will be inserted by a ground team on foot, i.e. the posts		
			will be hammered in by operatives without the need for bringing		
			machinery onto the peat surface.		
			Should it be ascertained that grazers (sheep and/or cattle) are		
			likely to enter the site from the adjoining bog, a sheep fence will		
			be installed. If tracking machinery is needed to erect this, a row		
			of bog mats will be installed to minimum disturbance to the bog.		
Measure no. 3:	Biodiversity	2.3.3	Physical disturbance		
Lowland blanket bog	Enhancement		There is an obvious strip of disturbance where the bog adjoins		
	Management Plan		the worked quarry areas, including patches where spoil had		
	(BEMP) Appendix 6.4		been spilled onto the bog vegetation - light scrapping back of		
			such may be desirable, unless revegetation has occurred to such		
			an extent that it would be better to avoid fresh disturbance (such		
			will be established from the baseline survey).		
			Drains		
			The baseline survey to be carried out (see Measure 1) will		
			identify if any former drains within the bog need to be blocked. If		
			so, these will be assessed by a hydrologist to ensure that		
			blocking same would not have any indirect impacts. Blocking of		
			drains would normally be done by an excavator using peat (to		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Reference fleading	LIAN Chapter	Section	form a plug) from adjacent (already disturbed) areas. In the case	Result	Required
			of smaller drains, plastic dams, inserted by hand could be used		
			(see example in Plate 7).		
			The ultimate purpose of blocking drains is to raise water levels		
			in the peat to encourage the growth of peat-forming vegetation		
			and especially the growth of Sphagnum mosses.		
			If there are areas where there are no obvious drains but water is		
			seeping out from the peat, it may be possible to install low peat		
			bunds using an excavator. These peat bunds are essentially low		
			ridges of excavated peat which slows the flow of surface water.		
			This in turn will increase surface wetness in disturbed areas thus		
			facilitating the growth of Sphagnum on the bog surface.		
			Procedures for drain blocking and bunding in bogs are described		
			in detail in Mackin <i>et al.</i> (2017).		
			Self-seeded conifers and spread of scrub		
			Self-seeded conifers derived from commercial plantations are a		
			threat to blanket bog habitats. The plantation to the northwest		
			of the BEMP site was planted in the late 1990s and is reaching		
			maturity and thus is a source of seed. Any self-seeded trees		
			within the bog habitat will be plucked out by hand if small or		
			marked for later removal if large.		
			Also, the potential spread of gorse and/or willow onto the drier		
			margins of the bog will be monitored and control measures will		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Reference fredaing	ElAR Ollaptol	Occion	be taken should this become an apparent problem. Measures	Result	rtoquirou
			would include cutting of scrub to the base and dapping the cut		
			stumps with an environmentally sensitive herbicide.		
Measure no. 4: Other	Biodiversity	2.3.4	It is unlikely that the other habitats within the site, such as		
habitats	Enhancement		grassland on gravel surfaces and spoil heaps (from former		
	Management Plan		quarry activities), scrub and ponds, will require active		
	(BEMP) Appendix 6.4		management.		
Measure no. 5:	Biodiversity	2.3.5	Once the deposition of spoil is complete, the deposited material		
Deposited peat and	Enhancement		will be covered with either a layer of topsoil or peat or a		
mineral soil	Management Plan		topsoil/peat mix. This will be derived locally from the sidecast		
	(BEMP) Appendix 6.4		material within the wind farm. It is expected that the material		
			will take several months to dry out and stabilise.		
			It is proposed that the cells will be treated as follows (it is noted		
			that fertilisers to promote growth will not be applied to any of the		
			cells at any stage):		
			Cell(s) with peat deposit		
			If left to re-vegetation naturally, rushes will invariably become		
			dominant throughout over a period of 1-2 years. A higher		
			biodiversity value would be achieved by planting parts of the peat		
			surface with trees and shrubs adapted to bog, chiefly willows		
			(Salix cinerea, S. aurita & S. purpurea), birch Betula pubescens		
			and possibly alder Alnus glutinosa. These would be sourced		
			locally. Planting would best be done in clumps throughout the		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
g			cell rather than continuous cover. It is noted that species such		
			as willow, which has a good presence in the quarry, may		
			naturally colonise the newly created surface.		
			Cell(s) with mineral soil deposit		
			The cells which are largely filled with mineral soil would best be		
			used for meadow grassland, a habitat that has biodiversity value		
			and is relatively scarce in the local area. The surface would be		
			planted with a grass seed mix containing a native Irish wild flower		
			component sourced in Ireland. Towards the end of the first full		
			growing season (September - October) the sward would be		
			mowed, with removal of cuttings. In the second year, a light		
			spring mowing may be necessary and then a further autumn		
			mowing. This management, i.e. sensitive mowing and with		
			removal of cuttings, would then be repeated on an annual basis.		
			Operational Phase		
Health & Safety	Chapter 5 Population	5.5.7.3	For operation and maintenance staff working at the Proposed		
	and Human Health		Development, appropriate site safety measures will be utilised		
			during the operational phase by all permitted employees. All		
			personnel undertaking works in or around the turbines will be fully		
			trained and will use appropriate Personal Protective Equipment		
			(PPE) to prevent injury.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
reference fleading	LIAIT Oliaptei	Occion	Equipment within high voltage substations presents a potential	resure	required
			hazard to health and safety. The proposed Onsite Substation will		
			be enclosed by palisade fencing and equipped with intruder and		
			fire alarms in line with ESBN and EirGrid standards.		
			All electrical elements of the Proposed Development are designed		
			to ensure compliance with electro-magnetic fields (EMF) standards		
			for human safety.		
			All onsite electrical connections are carried by underground cable		
			and will be marked out above ground where they extend beyond		
			the Site Access Track or Turbine Hardstand surface extents.		
			Details of cables installed in the public road will be available from		
			ESBN.		
			Lightning conductors will be installed on each turbine as all		
			structures standing tall in the sky require this protection. Turbines		
			specifically require this to prevent power surges to electrical		
			components. Turbines will be fitted with ice detection systems		
			which will stop the turbine from rotating if ice is forming on a turbine		
			blade. This aims to prevent ice throw.		
			Rigorous statutory and engineering safety checks imposed on the		
			turbines during design, construction, commissioning and operation		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
reference freading	LIAIT Oliaptol	Occion	will ensure the risk posed to humans is negligible. 24-hour remote	resure	rtoquirou
			monitoring and fault notifications are included as standard in the		
			Turbine Operations and Maintenance Contracts. A Supervisory		
			Control and Data Acquisition ("SCADA") system will monitor the		
			Proposed Development's performance. If a fault occurs, then a		
			message is automatically sent to the operations personnel		
			preventing emergency situations.		
			In addition to scheduled maintenance, the maintenance contracts		
			will allow for call out of local engineers to resolve any issues as		
			soon as they are picked up on the remote monitoring system.		
			Access to the turbines inner structure will be locked at all times and		
			only accessed by licenced employees for maintenance.		
			In line with the Health Service Executive's Emergency Planning		
			recommendations, any incident which may occur at the site which		
			requires emergency services, incident information will be provided		
			in the 'ETHANE' format:		
			Exact location		
			Type of incident		
			Hazards Access and egress		
			Number of casualties (if any) and condition		
			Emergency services present and required		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
				rtoount	rtoquirou
			The design of the Proposed Development has considered the		
			susceptibility to natural disasters. The proposed site drainage		
			(detailed in Appendix 2.1) will mitigate against any potential		
			flooding risk due to run off with the use of Sustainable Drainage		
			Systems (SuDS). Construction drainage will be left in-situ for the		
			lifespan of the Proposed Development through to		
			decommissioning.		
			The Contractor's fire prevention/management plans are reviewed		
			and updated on a regular basis. A nominated competent person		
			shall carry out checks and routine maintenance work to ensure the		
			reliability and safe operation of firefighting equipment and installed		
			systems such as fire alarms and emergency lighting. A record of		
			the work carried out on such equipment and systems will be kept		
			onsite at all times.		
			Detection systems and turbine control software will be installed on		
			all turbines to (i.e. permit remote shutdown as necessary) prevent		
			shadow flicker on nearby receptors.		
			The Wind Farm system shall include a system over-ride switch that		
			can be operated at any time, to facilitate manual shutdown in case		
			of an emergency.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Flora and Fauna	Chapter 6:	6.5.6.2.1	Turbines should operate in a manner which restricts the rotation of		
	Biodiversity		the blades as far as is practicably possible below the		
			manufacturer's specified cut-in speed. This is usually achieved by		
			feathering the blades during low wind speeds; the angle of the		
			blades is rotated to present the slimmest profile possible towards		
			the wind, ensuring they do not rotate or 'idle' when not generating		
			power. Automatic 'feathering' of idling blades will be implemented		
			(through SCADA) to reduce rotation speed of blades to below 1		
			RPM while idling.		
			The feathering of blades to prevent 'idling' during low wind speeds		
			will be implemented for all turbines.		
Flora and Fauna	Chapter 6:	6.5.6.2.2	Increased cut-in speeds will be implemented from		
	Biodiversity		commencement of operation. Cut-in speeds will be increased		
			during the bat activity season (April-September inclusive) where		
			weather conditions are optimal for bat activity (see below) from		
			30 minutes prior to sunset and to 30 minutes after sunrise at all		
			turbines.		
			Cut-in speeds restrictions will be operated according to specific		
			weather conditions:		
			For turbines AT02, AT03, AT04, AT10, AT16 and AT18		
			1 When the air temperature is above 10°C at nacelle height.		
			2 Wind speeds below 5.5 m/s (at nacelle height).		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
received fiedding	LIAIT Onapter	Occion	For wind turbines AT07 and AT08 the same curtailment	resure	required
			parameters will be implemented from start of July until 15th		
			September inclusive.		
			In the case of AT18, effects of curtailment should be		
			subsequently monitored and updated if measures are found to		
			be insufficient to prevent bat fatalities.		
			Alternative smart curtailment option		
			Due to the considerable unnecessary down time resulting from		
			the proposed "blanket curtailment" (above) and the advances in		
			smart curtailment, a focused curtailment regime is further		
			proposed from the year two of operation.		
			This will focus on times and dates, corresponding with periods		
			when the highest levels of bat activity occur within the site. This		
			includes the use of the SCADA (Supervisory Control and Data		
			Acquisitions) operating system (or equivalent) to only		
			pause/feather the blades below a specified wind speed and		
			above a specified temperature within specified time periods.		
			Post-constructions surveys will be undertaken for the first three		
			years of operation to confirm if blanket curtailment restrictions		
			can be amended in line with post-construction activity levels (see		
			Section 6.10.2). The post construction surveys will be used to		
			update the current curtailment regime (blanket curtailment)		
			designed around the values for the key weather parameters and		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
J			other factors that are known to influence collision risk. This will		
			include all of the following:		
			Wind speed in m/s (measured at nacelle height)		
			Time after sunset		
			Month of the year		
			Temperature (°C)		
			Precipitation (mm/hr)		
Flora and Fauna	Chapter 6:	6.5.6.2.3	The vegetation-free buffer zones (refer to Section 6.5.6.1.1		
	Biodiversity		above) around the identified turbines will be managed and		
			maintained during the operational life of the Proposed		
			Development.		
			Due to mitigation by design, turbines are proposed to be sited at		
			a separation distance from trees where effects on treelines,		
			hedgerows and woodland is minimised.		
			The immediate surroundings of individual turbines will be		
			managed and maintained so that the areas have minimal		
			potential to attract insects. This will be achieved through physical		
			management of habitats without the use of toxic substances.		
			Scrub will not be cleared surrounding AT16 and AT18 as the		
			scrub here is of significant biodiversity value. As stated above,		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			curtailment will be implemented at these locations to facilitate		
			this.		
Flora and Fauna	Chapter 7:	7.7.2.1	Areas of forest or scrub around turbines which are cleared will		
	Ornithology		be managed to prevent establishment of scrub and rank		
			vegetation which would encourage small mammals and birds		
			and attract species such as kestrel and hen harrier to hunt near		
			the turbines and increase risk of collision. This maintenance will		
			be carried out on an annual basis by mowing or strimming. The		
			managed areas around turbines which will be implemented as		
			mitigation for bats (see Chapter 6: Section 6.5.6.2.3) will suffice		
			for birds as well. This approach has proved highly effective at		
			several wind farms in central-eastern Spain where the number		
			of collisions with lesser kestrel decreased by 75% to 100% after		
			the ground was superficially tilled to a distance of 80 m from the		
			turbine base (Pescador <i>et al.</i> 2019).		
Material and Waste	Chapter 8 Soil and	8.5.2.8	All wastes from the control building and ancillary facilities will be		
Management	Geology		removed by the appropriate contractor. The operational team will		
			carry out maintenance works (to Site Access Tracks, 110 kV		
			Onsite Substation and turbines) and will put in place control		
			measures to mitigate the risk of hydrocarbon or oil spills during		
			the operational phase of the windfarm. Any vehicles utilised		
			during the operational phase will be maintained on a weekly		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			basis and checked daily to ensure any damage or leakages are		
			corrected.		
Drainage	Chapter 9: Hydrology	9.5.2.1	As part of the proposed wind farm drainage design, it is proposed		
	and Hydrogeology		that runoff from the proposed infrastructure will be collected		
			locally in new proposed silt traps, settlement ponds and		
			vegetated buffer areas prior to release into the existing site		
			drainage network. The new proposed drainage measures will		
			then create significant additional attenuation to what is already		
			present. The operational phase drainage system will be installed		
			and constructed in conjunction with the existing site drainage		
			network and will include the following:		
			Interceptor drains will be installed up-gradient of all proposed		
			infrastructure to collect clean surface runoff, in order to		
			minimise the amount of runoff reaching areas where		
			suspended sediment could become entrained. It will then be		
			directed to areas where it can be re-distributed into		
			downstream field drains.		
			Collector drains will be used to gather runoff from Site		
			Access Tracks and Turbine Hardstanding areas of the Wind		
			Farm Site likely to have entrained suspended sediment, and		
			channel it to new local settlement ponds for sediment		
			settling.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			 On sections of Site Access Tracks transverse drains ('grips') will be constructed where appropriate in the surface layer of the road to divert any runoff off the road into swales/roadside drains. Check dams will be used along sections of access road drains to intercept silts at source. Check dams will be constructed from a 4/40 mm non-friable crushed rock. Settlement ponds, emplaced downstream of Site Access Tracks and at turbine locations, will buffer volumes of runoff discharging from the drainage system during periods of high rainfall, by retaining water until the storm hydrograph has receded, thus reducing the hydraulic loading to existing drains. Settlement ponds will be designed in consideration of the greenfield runoff rate. All surface water runoff from the development will have to pass through the proposed settlement ponds prior to release into the existing site drainage network. 		
Drainage	Chapter 9: Hydrology and Hydrogeology	9.5.2.3	The existing welfare facilities (septic tank) at the existing dwelling which will undergo a change of use to a Permanent Operations Compound will be upgraded to meet the needs of the Proposed Development.		

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Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
ŭ			 These upgrades will include an appropriately sized effluent treatment system and percolation area all of which will be constructed and maintained in accordance with the relevant guidelines. There will be no discharge of untreated wastewater during the Operational Phase. 		
Noise	Chapter 11: Noise	11.5.4.2	 Turbines AT10, AT11 and AT12 shall be operated in Sound Optimized Mode SO2 during night-time period, from wind speeds of 7-12 m/s and for wind blowing towards the East. Turbines AT10 and AT11 shall be operated in Sound Optimized Mode SO2 during night-time period, from wind speeds of 7-12 m/s and for wind blowing towards the North-East. Turbine AT5 shall be operated in Sound Optimized Mode SO1 during night-time period, from wind speeds of 7-12 m/s and for wind blowing towards the South-West. Turbines AT5 and AT18 shall be operated in Sound Optimized Mode SO1 during night-time period, from wind speeds of 7-12 m/s and for wind blowing towards the South. Turbine AT11 shall be operated in Sound Optimized Mode SO2, and Turbines AT12, AT16 and AT18 shall be operated in Sound Optimized Mode SO3 during night-time period, 		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
J			from wind speeds of 7-12 m/s and for wind blowing towards		
			the South-East.		
Shadow flicker	Chapter 15: Shadow	15.2.9.3	Shadow control system will be installed on each of the wind		
	Flicker		turbines. The control system will calculate, in real-time:		
			Whether shadow flicker has the potential to		
			effect nearby properties, based on pre-		
			programmed co-ordinates for the properties and		
			turbines		
			Wind speed (can affect how fast the turbine will		
			turn and how quickly the flicker will occur)		
			Wind direction		
			The intensity of the sunlight		
			When the control system detects that the sunlight is strong		
			enough to cast a shadow, and the shadow falls on a property or		
			properties, then the turbine will automatically shut down; and will		
			restart when the potential for shadow flicker ceases at the		
			effected properties. Such systems are common in many wind		
			farm developments, and the technology has been well		
			established. A case study in Scotland found that the use of		
			turbine shut-down control modules for turbines which were		
			causing shadow flicker at nearby offices was successful.		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
rtororoo rrousinig	_mar onapro.		The proposed method of mitigation will be implemented to	rtoourt	rtoquirou
			mitigate shadow flicker effects at all sensitive receptors within		
			the study area, allowing for a short period of time for the rotor to		
			come to a stop. Appendix 15.1 contains all calculated potential		
			shadow flicker periods for each turbine. The relevant data will be		
			input into the turbine control software. In the event that		
			complaints of shadow flicker are received by the Developer / site		
			operator or by Mayo County Council, an investigation will take		
			place and the complaints frequency, duration and time of		
			complaints will be considered and specialist modelling software		
			will be used to confirm the occurrence(s). Should the complaint		
			persist, a shadow flicker survey involving the collection of light		
			data will also be carried out at the property in which the complaint		
			was made. Further refinement of the blade shadow control		
			system will be conducted to eliminate the shadow flicker		
			occurrence from the specified turbines. This could result in the		
			shutting off turbines at specific times of day.		
Major Accident	Chapter 16: Major	16.4.2	In the unlikely event of a fire at a turbine, operations building, at		
	Accidents and		the substation or BESS, all personnel onsite will meet at a		
	Natural Disaster		designated fire point and emergency services will be contacted.		
			Mayo County Council is the fire authority providing a fire and		
			emergency rescue service to the functional area of Mayo County		
			Council. For operations of an emergency Jennings O'Donovan		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			& Partners Limited Consulting Engineers Sligo nature under		
			Section 26 of the Fire Services Act 1981, refer to Mayo County		
			Major Emergency Plan7.		
Traffic	Chapter 17: Traffic and Transportation	17.7.2	 All vehicles using the Wind Farm Site shall either have roof mounted flashing beacons or will use their hazard lights. A speed limit of 25 km/h shall apply to all vehicles within the Wind Farm Site. Signage shall be maintained throughout the operational period. Road surfaces shall be inspected on a quarterly basis and any remedial works identified will be carried out within one 		
			month of the inspection. Decommissioning Phase		
Flora and Fauna	Chapter 7: Ornithology	7.7.3	As the decommissioning works will involve works similar to those involved at construction stage, these could result in similar effects on birds. Hence, the mitigation that will be undertaken during construction will also be applied during the decommissioning phase (taking into account changes in bird populations and distributions that may have occurred locally during the operational life of the Proposed Development).		
Material and Waste Management	Chapter 8: Soil and Geology	8.5.3.3	Where possible, redundant Site Access Tracks, turbine bases and hardstand areas will be reinstated. Some of the Site Access		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			Tracks and hardstanding areas, if not required during operation,		
			will be reinstated. Areas of excess soil and rock will be reused in		
			order to match the surrounding land as near as possible.		
			Drainage and slopes will be restored as close to the original		
			ground as possible if it is geotechnically and environmentally		
			beneficial to do so.		
			After decommissioning of the wind farm, all Site Access Tracks		
			and areas of hardstanding will be returned to as close to their		
			natural state as possible, again if it is geotechnically and		
			environmentally feasible.		
Traffic	Chapter 17: Traffic	17.7.3	As the turbine blades can be cut into manageable lengths on		
	and Transport		decommissioning, there is no requirements to re-use the TDR		
			for decommissioning. Thus, all decommissioning related traffic		
			will use the R314, L-5177-0,5176-0, L-1107-99, L-1110-87, L-		
			1110-117 and L-1111-0 as well as the local road network within		
			the Proposed Development noted in Section 17.4.2.		
			The Developer is applying for a consent for an operational period		
			of 35 years for the Proposed Development. Cranes of similar size		
			to those used for construction will disassemble each wind turbine		
			using the same crane Turbine Hardstands. The towers, blades		
			and all components will then be removed from the Wind Farm		
			Site and reused, recycled, or disposed of in a suitably licenced		
			facility. The wind turbine transformers will also be removed from		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
Troid of the same			the Wind Farm Site. There is potential to reuse wind turbine	rtoourt	rtoquirou
			components, while others can be recycled.		
			Underground cables will be removed while the ducting will be left		
			in-situ. The foundations and upstand sections will remain in-situ.		
			All Wind Farm Site Access Tracks, Turbine Hardstanding areas		
			and drainage will be left in-situ for future use.		
			It is intended that all above ground components and underground cabling (ducting left in-situ) will be removed from the Wind Farm Site as part of the decommissioning of the Proposed Development. The following elements are included in the decommissioning phase: • Wind turbines dismantling and removal off the Wind Farm Site • Underground cabling removal (ducting left in-situ) • Turbine Foundation backfilling following dismantling and removal of wind turbines (any excavated material,		
			 will be re-instated / foundations that protrude above ground level will be backfilled with soil -underground reinforced concrete remaining in-situ) Transport Route Accommodation Works 		
			Any structural materials suitable for recycling will be disposed of and sent to a licenced facility. The financial costs of		

Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
reference freating	LIAR Onapter	Occion	decommissioning, at current material values, will be more than	resur	required
			met by the recycling value of the wind turbine components.		
			Prior to wind turbine removal, due consideration will be given to		
			any potential effects arising from these operations which are		
			mentioned in this EIAR (see Section 17.7.2). Potential effects		
			are likely to be similar to that of the construction phase, to an		
			equal or lesser extent. Some of the potential issues could		
			include:		
			Potential disturbance by the presence of cranes,		
			HGVs, and personnel onsite		
			Time of year and timescale (to be outside sensitive		
			periods).		
			Prior to the decommissioning work, a comprehensive plan will be		
			drawn up and submitted to the relevant planning authority for		
			written agreement. The plan will take account of the findings of		
			this EIAR and the contemporary best practice at that time, to		
			manage and control the component removal and ground		
			reinstatement.		
			If these alternatives are not viable then the process equipment		
			would be decommissioned; all plant, machinery and equipment		
			will be emptied and dismantled to be sold or recycled or, where		
			these are not possible, disposed of through a licenced waste		

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Reference Heading	EIAR Chapter	Section	Mitigation Measure	Audit Result	Action Required
			contractor. If required, all machinery will be cleaned prior to		
			removal and all necessary measures implemented to prevent the		
			release of contaminants. All waste will be removed from the		
			facility and recycled wherever possible; disposal operations will		
			be controlled by licenced waste contractors. The buildings and		
			infrastructure would be retained and repurposed.		

Table 18.2: Monitoring Schedule

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
Pre- construction Bat Monitoring	Chapter 6 Biodiversity	6.9.1	If three years lapse from between the planning-stage baseline surveys and installation of the wind turbines, it will be necessary to repeat one full season of surveys during the activity period (EUROBATS, 2014). Future survey work will be completed according to best practice guidelines available (NatureScot 2021) and will include static detector, activity and roost inspection surveys.			
Pre- construction Tree Survey	Chapter 6 Biodiversity	6.9.1.1	A preliminary survey of trees within a 200 m zone of each turbine was undertaken on 8th and 9th March 2023 and 14th to 15th February 2024. This has identified 29 trees either category 1 or 2 (see Appendix 6.2 for full details). All of these trees require at-height surveys to be conducted by a suitably qualified ecologist with roost disturbance and inspection camera licences should felling or trimming be required. Should potential roost features (PRFs) be found above ladder height the use of tree climbing / cherry pickers and/or scaffolding will be required in order to gain access to PRFs for detailed examination with the use of recording inspection cameras. Surveyors will carry out a detailed internal inspection using a torch, mirror and endoscope. Data such as internal dimensions			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
			particularly length of cavity would be gathered where relevant. Should the removal of the roost be required at a later stage these dimensions will be vital. Should a bat roost be found a derogation licence will be sought from the NPWS seeking permission for the translocation of the roost (if possible). Evidence of bat usage sought during the surveys will include: • Bat droppings (these will accumulate under an established roost or under access points); • Live bats; • Insect remains (under feeding perches); • Oil (from fur) and urine stains; • Scratch marks; and • Bat corpses.			
Pre- construction Otter Survey	Chapter 6: Biodiversity	6.9.2	If three years lapse from between the planning-stage surveys (carried out in 2022-23) and commencement of construction works at water crossings, it will be necessary to carry out a survey for otter in areas of potential suitable habitat which will be disturbed by the works as the local distribution of otter may have changed in that period.			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
			It is noted that should the pre-construction survey indicate a			
			requirement for protection of the relevant species (in this case			
			otter), appropriate measures will be taken to comply with all			
			relevant legislation and best practice guidance in force at the			
			time.			
Pre-	Chapter 6	: 6.9.3	If three years lapse from between the planning-stage surveys			
construction	Biodiversity		(carried out in 2022-23) and commencement of construction			
Badger			works, including tree-felling, it will be necessary to carry out a			
			survey for badger in areas of potential suitable habitat which			
			will be disturbed by the works as the local distribution of			
			badger may have changed in that period.			
			It is noted that should the pre-construction survey indicate a			
			requirement for protection of the relevant species (in this case			
			badger), appropriate measures will be taken to comply with			
			all relevant legislation and best practice guidance in force at			
			the time.			
Pre-	Chapter 6	: 6.9.4	The status of the common frog and smooth newt within the			
construction	Biodiversity	. 0.0.1	ponds within the abandoned quarry at Castlelackan Demesne			
Amphibian			will be determined prior to the commencement of any			
Survey			construction works, including those in relation to spoil			
Carvoy			deposition.			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
			Should the pre-construction survey indicate a requirement for protection of the relevant species, appropriate measures will be taken to comply with all relevant legislation and best practice guidance in force at the time. This will include removal (under licence) of spawn, tadpoles and/or adults from the pond which will be lost to one of the other ponds onsite.			
Ecological Monitoring	Chapter 6: Biodiversity	6.9.5	An Ecological Clerk of Works (ECoW) will be employed by the Contractor for the duration of the construction phase and will ensure that all mitigation measures relating to ecology described in this report and contained within the planning permission are implemented.			
Post construction Habitats	Chapter 6: Biodiversity	6.10.1	Post-construction habitat monitoring will focus on the following: • Blanket bog at wind turbine AT15 location which had been disturbed by construction activities; • The newly planted hedgerows and the woodland plot; • The Biodiversity and Enhancement Management Plan area (see details in Appendix 6.4). When all ground works are complete on the bog at wind turbine AT15 location, a vegetation survey will take place by an ecologist. This will describe the state of the vegetation in			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
			the area where disturbance has occurred. A series of monitoring quadrats will be established to accurately describe the vegetation, including proportion of bare peat, at the time (Year 1) and in subsequent years. Details will be worked out by the ecologist but it is likely that quadrats will be 2 m x 2 m in size and will be geo-referenced and photographed. Vegetation recovery will be monitored over a period as follows: Years 1, 2, 3, 5, 10, 15, 20, 25, 35. All newly planted hedging and woodland will be monitored annually for the first 10 years of the operation of the scheme. Any identified failed trees will be replaced. Repairs will be made to fencing and any specific tree wire protection as required. Reports will be prepared for each year of monitoring and issued to the relevant planning authority.			
Post construction Bats	Chapter 6 Biodiversity	6.10.2	Monitoring will take place for at least 3 years after construction, which will provide sufficient data to detect any significant change in bat activity relative to pre-construction levels. It will assess changes in bat activity patterns and the efficacy of mitigation to inform any changes to curtailment. During years one to three of operation (under blanket curtailment restrictions) bat activity will be measured at each			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
	EIAR Chapter	Section	turbine location, in combination with carcass surveys. In addition, wind speed and temperature data will be continuously recorded at the nacelle height of each turbine. Modern remotely-operated wind turbines as proposed here allow cut-in speeds to be controlled centrally/automatically, facilitating an operation regime designed to minimise harmful impacts to bats. If, following the initial 3 years of post-construction surveys, bat activity increases above the baseline and/or remains consistently high and carcass searches indicate fatalities are occurring (refer below), increased cut-in speeds will continue. This will subsequently be monitored in Years 5, 7, 10, 15, 20, 25 and 35, with further review after each monitoring period. Alternatively, if it is found that the results of bat activity surveys and fatality searches confirm that the level of bat activity at turbine locations is low then consent will be sought from Mayo County Council for the cessation in the requirement for these cut-in speeds / curtailment measures, or a reduction on the timing restrictions for these measures.			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
			Where post construction acoustic surveys are undertaken, they will utilise full spectrum automatic detectors deployed, as a minimum, for one complete bat activity season. Acoustic monitoring will be supplemented with thermal imaging cameras etc. to provide more detailed information on bat activity in the vicinity of turbines. An assessment of static data gathered during operational surveillance will be completed using Ecobat type analysis as recommended by SNH (2021) as a minimum, or other equivalent guidance as dictated by up-to date standards and practices.			
Post construction Mitigation monitoring	Chapter 6 Biodiversity	6.10.2	The success of the implemented mitigation measures for bats on the project will be monitored for a period of three years after construction and appropriate measures taken to enhance these if and where required. Should bat fatalities be found within the first three years of surveys additional mitigation measures will be implemented in order to prevent this from reoccurring. Buffer zones surrounding the turbines will be increased from 50 m to 65 m and/or curtailment parameters will be tweaked to increase cut-off times.			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
			A recommended schedule for monitoring is given in Table 6.14 below.			
			Bat fatality monitoring Although curtailment is a mitigation proven to lower bat fatalities it is recommended that the scheme be monitored for bat fatalities for the first three years of operation (post construction surveys) and subsequently in years 5, 7, 10, 15, 20, 25 and 35 as part of the additional curtailment monitoring schedule. A comprehensive onsite fatality monitoring programme is to be undertaken following published best practice (e.g. SNH 2021 or equivalent at the time of operation), as follows: a) Carcass removal trials to establish levels of predator removal of possible fatalities. This will be done following best recommended practice and with due cognisance of published effects such as predator swamping, whereby excessive placement of carcasses increases predator presence and consequently skews results. At the time of writing (2024), predation trials set using trail cameras following guidance set out in Smallwood (2010) provides the most accurate results.			

Reference						Audit	Action
Heading	EIAR Chapter		Section	Mitigation Measure	Phase	Result	Required
				b) Turbine searches for fatalities will be undertaken with			
				the use of conservation dogs following best practice			
				in terms of search area (minimum radius hub height)			
				and at intervals selected to effectively sample fatality			
				rates as determined by carcass removal trials in (a)			
				above. At the time of writing (2024), the typical search			
				area surrounding the turbine bases follow Edkins			
				(2014) Impacts Of Wind Energy Developments On			
				Birds And Bats: Looking Into The Problem, who			
				recommends the "search width should be equal to			
				the maximum rotor tip height", e.g. turbines at			
				Tirawley have a max tip height of 135 m thus the			
				spread of searched area, as a rectangle, square or			
				circle, should be 67.5 m in either direction from the			
				turbine base."			
				c) Search intervals would follow SNH (2021).			
				d) Recorded fatalities would be calibrated against			
				known predator removal rates to provide an estimate			
				of overall fatality rates.			
				e) Monitoring report to be submitted annually to Mayo			
				County Council at agreed intervals			
Pre-	Chapter	7	7.8.1.1	Confirmatory breeding bird surveys focused on sparrowhawk,			
construction	Ornithonlogy			buzzard, merlin, kestrel and snipe, will be required in the			
and				spring/summer prior to construction to establish the breeding			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
construction			status and distribution within the Wind Farm Site to a distance			
Bird Surveys			of up to 500 m from any works area. From the results of			
			monitoring, the likely need for restrictive zones to avoid or			
			minimise the potential for adverse effects on breeding			
			activities will be determined. All monitoring surveys will be			
			undertaken by a suitably qualified ornithologist.			
			As more than two or three years are expected to have passed			
			between the baseline surveys in 2021-2023 and the			
			commencement of construction, the surveys will include all			
			target species as the distribution of some species may			
			change in the intervening period.			
			Any ground clearance of vegetation during the restrictive			
			period March to August (inclusive) that could support			
			breeding birds will be walked to establish the presence of			
			breeding birds (mainly passerines). This will be done by an			
			ornithologist up to 10 days before the clearance works take			
			place. If 10 days elapse without the clearing commencing, a			
			further survey will take place. The focus will be on the area to			
			be cleared but zones up to 100 m (approximately) around the			
			area will also be included. Should a breeding territory be			
			identified, the surveyor will attempt to establish the phase of			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
			building, e.g. nest building, incubating, feeding young, and will			
			advise the contractor accordingly on measures to be followed.			
Post	Chapter 7	7 7.8.1.2	Flight activity surveys			
construction	Ornithonlogy		Flight activity surveys will be undertaken using the Vantage			
Bird Surveys			Point method (Scottish Natural Heritage 2017) during the			
			operational phase of the Wind Farm. This will use the same			
			five vantage points as used for the baseline EIAR surveys.			
			The surveys will be undertaken monthly in Years 1, 2, 3, 5, 10			
			and 15 of the life-time of the Proposed Development (in			
			accordance with Scottish Natural Heritage Guidance 2009).			
			Distribution and abundance surveys			
			Distribution and abundance surveys will be undertaken to			
			monitor short-term and long-term effects (if any) on bird			
			species of conservation importance within the Wind Farm			
			Site. It is proposed that breeding snipe and wintering hen			
			harrier are the key species.			
			For these two species, the methodology will be similar to as			
			described for the baseline surveys in Section 7.2.3 (namely			
			Breeding wader survey & Hen harrier winter roost survey).			
			Surveys will be in the same monitoring years as for the			
			vantage point surveys.			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
			Collision searches			
			Whilst no significant effects on birds due to collision are			
			predicted, the Wind Farm will provide an opportunity to gain			
			baseline data on bird/turbine interaction and hence the Wind			
			Farm Site will be monitored for bird fatalities.			
			Carcass search was traditionally completed by human			
			observers whose efficiency is influenced by several factors			
			including carcass type, environmental conditions and			
			observer competence. Numerous studies have been			
			conducted demonstrating that dogs have a superior ability to			
			detect bird and bat carcasses than humans, particularly with			
			small carcasses or in dense vegetation (see for example			
			Mathews 2013).			
			A standard plot size will be selected at each turbine location			
			where search will occur. At the start of each survey, data			
			recorded will include meteorological and ground cover			
			information. The locations of any carcasses found will be			
			recorded by GPS and will be photographed in-situ. The state			
			of each carcass will be recorded on a corpse record card,			
			using the following categories (after Johnson 2003):			
			 Intact - a carcass that is completely intact, is not 			
			badly decomposed, and shows no sign of being			
			fed upon by a predator or scavenger			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
			 Scavenged - an entire carcass which shows signs of being fed upon by a predator or scavenger, or a portion(s) of a carcass in one location such as wings, legs, skeletal remains or pieces of skin Feather Spot - ten or more feathers at one location indicating predation or scavenging. If only feathers are found, 10 or more total feathers or two or more primaries must be discovered to consider the observation a casualty. Searcher efficiency and predation tests will be carried out at the commencement of the programme in order to calibrate the results to account for the search dog's ability to find bird corpses and to also account for scavenging of corpses by animals. The collision searches for birds can be combined with the bat carcass searches which will be carried out in the first three years of operation (post-construction surveys) and subsequently in years 5, 10, 15, 20, 25 and 30 in the spring to autumn periods. In addition, winter surveys will be carried out for birds in each survey year owing to the occurrence of wintering hen harrier in the area. 			

				Audit	Action
EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
Chapter 9:	9.5.1.1	Proposed Drainage and Water Quality Monitoring: An			
Hydrology and		inspection and maintenance plan for the onsite drainage			
Hydrogeology		system will be prepared in advance of the commencement of			
		any works and will be included in the CEMP. Regular			
		inspections of all installed drainage systems will be			
		undertaken, especially after heavy rainfall, to check for			
		blockages, and ensure there is no build-up of standing water			
		in parts of the systems where it is not intended.			
		Any excess build-up of silt levels at dams, the settlement			
		ponds, or any other drainage features that may decrease the			
		effectiveness of the drainage feature, will be removed.			
		During the construction phase field testing (visual,			
		supplemented with pH, electrical conductivity, temperature,			
		dissolved oxygen and turbidity monitoring), sampling and			
		laboratory analysis of a range of parameters with relevant			
		regulatory limits and EQSs will be undertaken for each			
		primary watercourse, and specifically following heavy rainfall			
		events (i.e. weekly, monthly and event-based).			
Chapter 9:	9.5.1.2	Daily monitoring of excavations by a suitably qualified person			
Hydrology and		will occur during the construction phase. If high levels of			
Hydrogeology		seepage inflow occur, excavation work will immediately be			
		stopped and a geotechnical assessment undertaken.			
	Chapter 9: Hydrology and Hydrogeology Chapter 9: Chapter 9: Hydrology and	Chapter 9: 9.5.1.1 Hydrology and Hydrogeology Chapter 9: 9.5.1.2 Hydrology and	Chapter 9: 9.5.1.1 Proposed Drainage and Water Quality Monitoring: An inspection and maintenance plan for the onsite drainage system will be prepared in advance of the commencement of any works and will be included in the CEMP. Regular inspections of all installed drainage systems will be undertaken, especially after heavy rainfall, to check for blockages, and ensure there is no build-up of standing water in parts of the systems where it is not intended. Any excess build-up of silt levels at dams, the settlement ponds, or any other drainage features that may decrease the effectiveness of the drainage feature, will be removed. During the construction phase field testing (visual, supplemented with pH, electrical conductivity, temperature, dissolved oxygen and turbidity monitoring), sampling and laboratory analysis of a range of parameters with relevant regulatory limits and EQSs will be undertaken for each primary watercourse, and specifically following heavy rainfall events (i.e. weekly, monthly and event-based). Chapter 9: 9.5.1.2 Daily monitoring of excavations by a suitably qualified person will occur during the construction phase. If high levels of seepage inflow occur, excavation work will immediately be	Chapter 9: 9.5.1.1 Proposed Drainage and Water Quality Monitoring: An inspection and maintenance plan for the onsite drainage system will be prepared in advance of the commencement of any works and will be included in the CEMP. Regular inspections of all installed drainage systems will be undertaken, especially after heavy rainfall, to check for blockages, and ensure there is no build-up of standing water in parts of the systems where it is not intended. Any excess build-up of silt levels at dams, the settlement ponds, or any other drainage features that may decrease the effectiveness of the drainage feature, will be removed. During the construction phase field testing (visual, supplemented with pH, electrical conductivity, temperature, dissolved oxygen and turbidity monitoring), sampling and laboratory analysis of a range of parameters with relevant regulatory limits and EQSs will be undertaken for each primary watercourse, and specifically following heavy rainfall events (i.e. weekly, monthly and event-based). Chapter 9: 9.5.1.2 Daily monitoring of excavations by a suitably qualified person will occur during the construction phase. If high levels of seepage inflow occur, excavation work will immediately be	ElAR Chapter 9: 9.5.1.1 Proposed Drainage and Water Quality Monitoring: An inspection and maintenance plan for the onsite drainage system will be prepared in advance of the commencement of any works and will be included in the CEMP. Regular inspections of all installed drainage systems will be undertaken, especially after heavy rainfall, to check for blockages, and ensure there is no build-up of standing water in parts of the systems where it is not intended. Any excess build-up of silt levels at dams, the settlement ponds, or any other drainage features that may decrease the effectiveness of the drainage feature, will be removed. During the construction phase field testing (visual, supplemented with pH, electrical conductivity, temperature, dissolved oxygen and turbidity monitoring), sampling and laboratory analysis of a range of parameters with relevant regulatory limits and EQSs will be undertaken for each primary watercourse, and specifically following heavy rainfall events (i.e. weekly, monthly and event-based). Chapter 9: 9.5.1.2 Daily monitoring of excavations by a suitably qualified person will occur during the construction phase. If high levels of seepage inflow occur, excavation work will immediately be

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
Water quality monitoring	Chapter 9: Hydrology and Hydrogeology	9.5.1.10	Continued monitoring and water analysis of pre and post treated water by means of an inhouse lab and dedicated staff, means the correct amount of chemical is added by the dosing system.			
Cultural heritage	Chapter 14: Cultural heritage	14.5.1	Ground works during the construction phase will be subject to archaeological monitoring by a suitably qualified archaeologist under licence by the National Monuments Service. This will also include a systematic advance programme of archaeological field-walking surveys within Proposed Development areas in forestry plantations following tree felling to confirm the conditions predicted in this assessment, i.e., that they contain no visible surface traces of potential unrecorded archaeological or architectural heritage sites. In the event that any sub-surface archaeological features are identified during archaeological monitoring they will be securely cordoned off, cleaned and recorded <i>in situ</i> . The National Monuments Service will then be notified and consulted to determine further appropriate mitigation measures, which may include preservation <i>in situ</i> (by avoidance) or preservation by record (archaeological excavation).			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
Traffic	Chapter 17: Traffic	17.10	The local road network near the site used to transport			
	and		construction materials will be monitored during construction			
	Transportation		so that any damage caused by construction traffic associated			
			with the Proposed Development can be identified and			
			maintenance works carried out as soon as practicable to			
			avoid issues for other road users and the local population of			
			the area.			
			Any extensive repairs, such as full road width resurfacing,			
			required to the local road network arising from damage			
			caused by traffic associated with the Proposed Development			
			will be carried out once construction activities have ceased			
			onsite. The monitoring will be undertaken by the Owner's			
			Engineer to be appointed by the Developer for the			
			construction stage in conjunction with the Local Authority			
			Roads Area Engineer on the R314, R315, L-1108, L-5177-0,			
			L-5176-0, L-1107-99, L-1110-87, L-1110-117 and L-1111-0			
			including the local road network within the Proposed			
			Development as outlined in Section 17.4.2 .			
			The appointed Contractor will be responsible for seeing that			
			HGV drivers travelling to and from the site obey the			
			designated speed limits, rules of the road and that they only			
			use the designated CHR. This will be undertaken through			
			regular toolbox talks for drivers during the construction of the			
			Proposed Development.			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
Water quality	Management plan	2.2	Field Monitoring			
	2 Water quality		Field monitoring of water quality parameters and collection of			
	management		samples will be undertaken by the Ecological Clerk of Works			
			or water specialist. The person undertaking the water			
			monitoring will be appropriately qualified to third level			
			education and experienced in the field for no less than 5 years			
			on the required monitoring methods and the use, calibration			
			and maintenance of all monitoring equipment used. Sampling			
			will be in accordance with International Standards of			
			Operation. The chosen laboratory will be accredited.			
			Laboratory Analysis			
			Laboratory analysis of water samples will also be undertaken			
			as part of the monitoring programme by an independent and			
			appropriately certified laboratory to be appointed by the			
			Ecological Clerk of Works or water specialist. ISO 17025			
			Accreditation proves a laboratory has an acceptable quality			
			management system in place, and it has the ability and			
			competence to provide testing and calibration results.			
			Coordination of the laboratory sampling and analytical			
			programme will be undertaken by the person undertaking the			
			water monitoring or the Environmental Manager. Samples will			
			be dispatched for analysis under chain of custody			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
			procedures. Laboratory analytical results will be sent directly			
			to the Ecological Clerk of Works/ water specialist and the			
			Environmental Manager.			
			Interpretation and reporting of both the field and laboratory			
			Interpretation and reporting of both the field and laboratory			
			data will be the responsibility of the Ecological Clerk of			
			Works/water specialist.			
Water quality	Management plan	3.1	Construction-stage details of monitoring and precise			
vvaler quality		3.1				
	2 Water quality		monitoring locations will be agreed in writing with the Local			
	management		Authority prior to commencement of construction works and			
			following consultation with Inland Fisheries Ireland.			
			Water Quality Monitoring locations will be identified through			
			grid reference, photographic record and indicated on a plan.			
			For repeat sampling locations, each location will also be			
			marked on the ground (stake/post) to ensure that the correct			
			location is sampled each time.			
			Sample locations will be labelled consistently for the duration			
			of the monitoring period. Where any additional locations are			
			sampled during the works, the location (grid reference) of the			
			sampling point will be recorded, and a photograph will be			
			taken at time of sampling.			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
			'Control' sample locations will also be included in the scope of any monitoring. A water sampling location map will be developed and included in the detailed method statements for precise locations at water crossings within this development. Hydrochemistry Monitoring Sample locations, monitoring frequency and precise hydrochemistry parameters will be agreed in writing with Mayo County Council, prior to commencement of construction, and following consultation with Inland Fisheries Ireland. As a minimum, the monitoring programme will include: • Daily visual observation in areas of high construction activity or during high rainfall periods to identify any evidence of siltation, oil or silt. Visual inspections will include details of the colour of the water at the time of inspection.			

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Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
			Weekly visual inspections and monthly field hydrochemistry monitoring.			
			One round of post construction monitoring, to be agreed with Mayo County Council. Post construction will be defined as when the reinstatement phase is completed.			
			Monthly analysis of water parameters will be carried out. Construction-stage analytical determinants (including limits of detection and frequency of analysis) will be specified and agreed with the Local Authority and third parties for each sample location. The agreed suite of grab sample determinants will include the following: Parameters for hydrochemistry analysis • pH • Temperature • Total Suspended Solids (TSS) • Dissolved Organic Carbon (DOC) • Conductivity • Dissolved Oxygen (DO) • Total Oxidized Nitrogen (TON)			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
			 Ammonia Potassium Phosphate Biological Oxygen Demand (BOD) Chemical Oxygen Demand (COD) Total Petroleum Hydrocarbons (TPH)* 			
Water quality	Management Plan 3 Surface water management plan	6	 Surface water runoff control infrastructure will be checked daily and maintained on a monthly basis or as required. Settlement-Attenuation ponds and check dams will be checked daily and maintained (desludged/settle solids removed) on a monthly basis or as required, particularly during the construction phase of the Development. The agitation of solids will be kept to a minimum during these works. During the construction phase daily visual inspections will be carried out on all ponds and their discharge. Monthly grab samples will be taken from all ponds and sent to a laboratory to analyse the suspended solids content. The monitoring requirements for local surface water bodies upstream and downstream of the Site during 			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
			the construction phase are outlined in Management			
			Plan 2- Water Quality Management Plan.			
Waste	Management plan	2.3	Checks and Records			
management	5 Waste		All stores onsite of oil, fuel, chemicals etc will be regularly			
	management plan		checked (in particular in extreme weather conditions) for			
			evidence of leaks or spills. The timing of each of these checks			
			is detailed in Section 3 . These checks will be visual			
			inspections to look for evidence of contamination.			
			Records of all visual checks will be maintained and be			
			available for inspection on request. Waste Management will			
			be a regular item on team meetings as required by the CEMP.			
			Waste Management Practices will be revised at these			
			meetings. A waste audit will be carried out every six months			
			(Section 2.3.3).			
			Waste Inventory			
			A waste inventory will be maintained and kept up to date. It			
			will include an inventory of all waste materials leaving the site			
			for disposal and the name of the licensed operator and			
			intended disposal facility. A Waste Inventory Spreadsheet will			
			be added to this plan by the Contractor.			
			,			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
			Monitoring of Site Waste Management Plan			
			The contractor will appoint a person to implement and monitor			
			the Waste Management Plan. This will be the Ecological			
			Clerk of Works.			
			As stated, the Waste Management Plan will include an			
			inventory of the types and estimates of the waste to be			
			produced onsite. The appointed person will ensure that a Site			
			Waste Audit is carried out every six months.			
			,			
Monitoring	Biodiversity	2.4	Monitoring for habitats			
	Enhancement and		For habitat distribution within the plan area, it is proposed that			
	Management Plan		monitoring will comprise a repeat of the general ecological			
	(Appendix 6.4)		survey of site (as described in Measure 1 above), including			
			specific monitoring using quadrats where proactive work has			
			taken place within the blanket bog area and where meadow			
			grassland has been planted on the deposition cells.			
			The general walkover survey to describe habitats and species			
			distribution would take place in Years 1, 2, 3 and 5 following			
			the implementation of the Plan, with Year 1 being the base			
			year at the time the works are carried out. After Year 5, a			
			review of the progress of the Plan, in light of the objectives,			
			will be conducted by the relevant parties (wind farm operator			
			and independent ecologist). A programme will be developed			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
			for the next 5-Year period of the Plan (and so on for the			
			lifetime of the project), which will be agreed with the relevant			
			planning authority. Subsequent monitoring is likely to be at			
			a lower frequency than in Years 1-5.			
			Where permanent quadrats are set up in the bog and			
			grassland habitats, these would be monitored at the same			
			frequency. The purpose of the quadrats is to monitor in detail			
			vegetation changes over time. The location of these quadrats			
			will be marked clearly using wooden pegs and the grid			
			reference will be recorded using GPS. The occurrence and			
			cover of vascular plant and moss species will be recorded in			
			these quadrats according to the Zurich-Montpellier approach			
			(Mueller-Dombois and Ellenberg, 1974). Various important			
			parameters will also be recorded, including height of			
			vegetation, cover of bare peat/soil, and degree of grazing and			
			poaching (if any). This survey will take place in the late			
			summer period of each monitoring year. Photographs of the			
			quadrats will also be taken on deployment and subsequently			
			during the following years of monitoring.			
			During the site visits for habitat monitoring of bog, a walk-over			
			survey will take place in order to check for the presence of			
			self-seeded conifers that may become established (as			
			required in Measure 3). Seedings up to approximately 20 cm			
			in height can be easily plucked out by hand, while larger			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
			saplings may need to be removed by loppers or hand-saw at			
			some stage later in the year.			
			The walk-over survey will also observe if any further drains			
			require blocking or if any of the newly installed dams (if used)			
			require maintenance.			
			Monitoring for fauna			
			As it is expected that the diversity of bird species will increase			
			as the Plan progresses, the breeding and wintering birds will			
			be monitored. This will be done using the same quadrat as			
			used in the initial baseline survey (Measure 1), though a			
			deviation may be needed to include the re-vegetating			
			deposition areas.			
			Bats and amphibians will also be included within the			
			monitoring, following standard methods as used in the initial			
			baseline survey.			
			The monitoring for fauna will be undertaken in Years 1, 2, 3 &			
			5, with a review after Year 5 (as with the habitat monitoring).			
			Time Period for Plan Implementation			
			It is expected that Year 1 of the Plan will coincide with the			
			completion of wind farm construction works. The baseline			
			surveys (Measure 1) and the subsequent physical works			
			required (as described in section 2.3) will be implemented in			

Reference					Audit	Action
Heading	EIAR Chapter	Section	Mitigation Measure	Phase	Result	Required
			Year 1, subject to settling of the deposited spoil and appropriate seasonality for surveys. Year 2 and subsequent years of the Plan will be at approximately 12 months intervals after Year 1. It is preferable that the various monitoring is carried out at similar times in each monitoring Year. Tasks such as mowing of meadow grassland will be undertaken in each of the years (Measure 5).			