HELIOS RENEWABLE ENERGY PROJECT

PINS Document Number:
EN010140/APP/6.3.16.1

Pursuant to:
APFP Regulation 5(2)(a)

Environmental Statement Appendix 16.1: Schedule of Mitigation

June 2024

1. Schedule of Mitigation

1.1. Introduction

1.1.1. This document summarises the environmental mitigation measures to be adopted during the construction, operation, and decommissioning phases of the Proposed Development.

1.1.2. Table 1 lists the proposed mitigation measures, how they will be secured, the responsible party, and where each measure is identified in the Environmental Statement (ES).

Table 1: Schedule of Mitigation

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
Cultural Heritage	6.1	Effects upon listed heritage assets	The Proposed Solar Farm Zone has been moved further away from sensitive heritage receptors.	X			Operation	Applicant	DCO and Works Plans **[EN010140/APP/2.3]**	Chapter 6 Cultural Heritage **[EN010140/APP/6.1.6]**
	6.2	Effects upon listed heritage assets	Creation of more substantial landscape buffer zones.	X			Operation	Applicant	DCO and Works Plans **[EN010140/APP/2.3]**	Chapter 6 Cultural Heritage **[EN010140/APP/6.1.6]**
	6.3	Effects upon listed heritage assets	The substation and BESS Compound have been placed in a central location in the Site to improve screening and ensure it is not within view of any identified designated heritage asset.	X			Operation	Applicant	DCO and Works Plans **[EN010140/APP/2.3]**	Chapter 6 Cultural Heritage **[EN010140/APP/6.1.6]**
	6.4	Effects upon listed heritage assets	Landscaping proposals to provide screening and reinstate historic field boundaries.	X			Construction	Applicant	DCO and Figure 3.16 [**EN010140/APP/6.2.3.16**]	Chapter 6 Cultural Heritage **[EN010140/APP/6.1.6]**
	6.5	Effects upon listed heritage	No proposed removal of entire stretches of hedgerow.	X			Construction	Applicant	DCO Requirement 11 and Figure 3.16	Chapter 6 Cultural Heritage

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
		assets							**[EN010140/APP/6.2.3.16]**	**[EN010140/APP/6.1.6]**
	6.6	Effects on areas of archaeological potential	Archaeological Mitigation Strategy (AMS) has been established with NYC, including an Archaeological Watching Brief		X		Construction	Contractor[1]	DCO Requirement 15 and Environmental Statement Appendix 6.2 – Archaeological Mitigation Strategy **[EN010140/APP/6.3.6.2]**	Chapter 6 Cultural Heritage **[EN010140/APP/6.1.6]**
	6.7	Effects on areas of archaeological potential identified through geophysical survey	Interpretation boards to be established at the Site describing archaeological context of area			X	Operational	Contractor	DCO Requirement 15	Chapter 6 Cultural Heritage **[EN010140/APP/6.1.6]**
Landscape and Views	7.1	Effects on Landscape Character and Features and Visual Receptors	Implementation of best practice construction and decommissioning practices including protection of existing vegetation in accordance with BS 5837:2012, limited hours of work, control of lighting, materials and litter.				Construction / Decommissioning	Contractor	Detailed CEMP to be secured through DCO Requirement 4 and detailed DEMP to be secured through DCO Requirement 5	Chapter 7 Landscape and Views **[EN010140/APP/6.1.7]** oCEMP **[EN01040/APP/6.3.5.1]** oDEMP

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
										[EN010140/APP/6.3.5.3]
	7.2	Effects on Landscape Character and Features and Visual Receptors	Implementation of the Landcsape Strategy		X		Operation	Applicant	DCO and Works Plans **[EN010140/APP/2.3]**	Chapter 7 Landscape and Views **[EN010140/APP/6.1.7]** Figures 7.19 to Figure 7.26 **[EN010140/APP/6.2.7.19 to 6.2.7.26}]**
	7.3	Effects on Landscape Features	Maintenance and management of planting proposals carried out in compliance with the LEMP.		X		Operation	Applicant	Detailed LEMP secured by DCO Requirement 10 and 11	Chapter 7 Landscape and Views **[EN010140/APP/6.1.7]** Appendix 7.8 oLEMP **[EN010140/APP/6.3.7.8]**
	7.4	Effects on Landscape Character	Maintenance and management of planting proposals carried out in compliance with the LEMP.		X		Operation	Applicant	Detailed LEMP secured by DCO Requirement 10 and 11	Chapter 7 Landscape and Views **[EN010140/APP/6.1.7]** Appendix 7.8 oLEMP **[EN010140/AP**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
										P/6.3.7.8]
	7.5	Effects on Visual Receptors	Maintenance and management of planting proposals carried out in compliance with the LEMP.		X		Operation	Applicant	Detailed LEMP secured by DCO Requirement 10 and 11	Chapter 7 Landscape and Views **[EN010140/APP/6.1.7]** Appendix 7.8 oLEMP **[EN010140/APP/6.3.7.8]**
Biodiversity	8.1	Impacts on features of ecological value	The Proposed Developments layout has been designed to avoid impact on features of ecological value such as field boundary hedgerows and ditch networks.		X		Construction	Applicant	DCO and Works Plans **[EN010140/APP/2.3]**	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]**
	8.2	Impacts on features of ecological value	Implementation of habitat protection buffers, including up to 15m from the lowland mixed deciduous woodland (on site), the Ancient Woodland and Traditional Orchards (surrounding the Site) as well as the provision of 5m 'buffer zones' either side of hedgerows and field ditches, and		X		Construction	Applicant	Detailed CEMP to be secured through DCO Requirement 4	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]** oCEMP **[EN01040/APP/6.3.5.1]**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
			8m buffers from ponds and identified with appropriate fencing and signage along with site team briefings at 'toolbox talks'.							
	8.3	Impacts on features of ecological value	Sommitments to Species Protection Plans, RAMs, pre-construction surveys and appropriate derogation licenses as well as pollution (including dust) control, managed construction lighting and noise / traffic management measures		X		Construction	Applicant	Detailed CEMP to be secured through DCO Requirement 4	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]** oCEMP **[EN01040/APP/6.3.5.1]**
	8.4	Impacts on features of ecological value	A suitably qualified and experienced Ecological Clerk of Works ('ECoW') (or team of ECoWs) will be appointed prior to the commencement of construction activities and through whom appropriate ecological advice will be provided throughout. The ECoW(s) will be responsible for undertaking and/or		X		Construction	Applicant	Detailed CEMP to be secured through DCO Requirement 4	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]** oCEMP **[EN01040/APP/6.3.5.1]**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
			coordinating checks for protected species before providing confirmation that construction activities can commence. Further information will be provided within the oCEMP and subsequent detailed CEMP.							
	8.5	Impacts of runoff and pollution on habitat woodlands	Will adhere to 'British Standards BS5837:2012 Trees' for design in relation to protection of habitat woodlands		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]**
	8.6	Impact of construction on other protected and notable species	Proposed Development's solar PV panels are raised off the ground, and the perimeter security fence will retain suitable gaps/mammal gates at the base to allow free movement of priority mammal species, no habitat loss or severance effects will result for small to medium sized mammals		X		Construction	Applicant	DCO and Works Plans **[EN010140/APP/2.3]**	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]**
	8.7	Impacts of lighting on bats	Temporary lighting, when required, will be of 'ecologically sensitive'		X		Construction	Contractor	Detailed CEMP to be secured through DCO	Chapter 8: Biodiversity **[EN01040/APP/**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
			design in line with Bat Conservation Trust and Institution of Lighting Professionals (2023). Guidance Note 08/23: Bats and artificial lighting and will avoid the illumination of existing field margin habitats, surrounding woodland parcels, and created semi-natural habitats.						Requirement 4	**6.1.8]**
	8.8	Impacts on retained habitats through damage, pollution and disturbance	Impact will be controlled through standard good construction and environmental working practices as an integral part of the Proposed Development, detailed within the oCEMP and subsequent detailed CEMP. The CEMP will adopt an ecologically sensitive approach and contain measures and approaches which will limit the impacts upon retained habitats.		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]** oCEMP **[EN01040/APP/6.3.5.1]**
	8.9	Impact on protected species	Vegetation removal will take place outside of bird breeding season. A		X		Construction	Contractor	Detailed CEMP to be secured through DCO	Chapter 8: Biodiversity **[EN01040/APP/**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
		during construction	suitably qualified and experienced Ecological Clerk of Works ('ECoW') (or team of ECoWs) will be appointed prior to the commencement of construction activities and through whom appropriate ecological advice will be provided throughout. The ECoW(s) will be responsible for undertaking and/or coordinating checks for protected species before providing confirmation that construction activities can commence. Further information will be provided within the oCEMP and subsequent detailed CEMP.						Requirement 4	**6.1.8]** oCEMP **[EN01040/APP/6.3.5.1]**
	8.10	Impact on ground-nesting breeding birds	Measures to protect breeding birds during construction will be provided within the oCEMP. Actions include but are not limited to, vegetation removal outside of bird breeding		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]** oCEMP **[EN01040/APP/6.3.5.1]**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
			season, supervision by the ECoW, and compliance with the Wildlife and Countryside Act 1981.							
	8.11	Impact on bats	Disturbance of foraging/commuting bats will be managed by measures set out in the oCEMP and the current best practice guidance. Measures to ensure roosting bats are protected are set out In the oCEMP and subsequent detailed CEMP. Measures include but are not limited to, use of sensitive lighting and conservation of trees on site.		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]** oCEMP **[EN01040/APP/6.3.5.1]**
	8.12	Impact on Badgers	A pre-construction badger survey (within 50m of the Site boundary, where access allows) will be completed by a suitably qualified ecologist immediately prior to the commencement of development/site		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]** oCEMP **[EN01040/APP/6.3.5.1]**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
			clearance works to determine levels of badger activity and to check for any newly constructed setts in and surrounding the Site.							
	8.13	Impact on Water Voles and Otters	Measures such as the completion of pre-construction water vole / other survey where construction is required within 5m of a ditch habitat will provide protection to the species. Further information will be provided within the oCEMP and subsequent detailed CEMP.		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]** oCEMP **[EN01040/APP/6.3.5.1]**
	8.14	Impact on Amphibians	If trenching works occur in suitable GCN habitat within 50m of the pond in, this will be subject to a European Protected Species Mitigation Licence ('EPSML') or an alternative method, such as District Level Licensing ('DLL'), which will ensure that the favourable conservation status of the species will		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4or relevant ecological licensing	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]** oCEMP **[EN01040/APP/6.3.5.1]**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
			be maintained. Otherwise, RAMs for amphibians will be sufficient to minimise any potential impacts. The RAMs will include a 'toolbox talk' and watching brief by the ECoW to minimise risk of accidental harm, further information is provided within the oCEMP and subsequent detailed CEMP.							
	8.15	Impacts on Reptiles	RAMs for reptiles will be implemented to mitigate significant impacts on reptiles. The RAMs will include a 'toolbox talk' and watching brief by the ECoW to minimise risk of accidental harm, further information is provided within the oCEMP and subsequent detailed CEMP		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4or relevant ecological licensing	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]** oCEMP **[EN01040/APP/6.3.5.1]**
	8.16	Impacts other protected and notable species	A series of RAMs will be implemented to avoid significant impacts on mammal populations. The RAMs will include a 'toolbox talk' and		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]** oCEMP

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
			watching brief by an appropriately qualified ecologist to minimise risk of accidental harm, further details are provided within the oCEMP and subsequent detailed CEMP.							**[EN01040/APP/6.3.5.1]**
	8.17	Impacts on invasive non-native species	Prior to the commencement of the construction program an invasive species walkover survey will be undertaken during an appropriate time of year (May – October) in order to assess the spread of invasive species within the Site. Appropriate invasive species treatment program will be implemented by a licensed and experienced invasive species contractor, a detailed method statement will be produced to inform these actions and prevent further spread within the Site. And will include a 'toolbox talk'		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]** oCEMP **[EN01040/APP/6.3.5.1]**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
			on invasive non-native species on avoidance.							
	8.18	Impact on habitats	Habitat enhancement measures and ongoing management practices will be prepared in line with guidance published by the Building Research Establishment. Management of these habitats will be informed by a detailed LEMP.		X		Operation	Applicant	Detailed LEMP secured through DCO Requirement 10	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]** oLEMP **[EN010140/APP/6/.7.9]**
	8.19	Impact on habitat	Operational phase ecological monitoring schedules and objectives are set out within the oLEMP.		X		Construction/ Operation	Contractor/Applicant	Detailed LEMP secured through DCO Requirement 10	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]** oLEMP **[EN010140/APP/6/.7.9]**
	8.20	Impacts on bats	Any lighting that is to be required will be directed away from existing linear habitats and woodland typically used by bat species. Will utilize low-level lighting and lighting hoods to prevent the spillage as per the recommendations set out in Lighting in the		X		Operation	Applicant	Detailed OEMP secured by DCO Requirement 7	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]** Outline OEMP **[EN010140/APP/6.3.5.4]**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
			UK, Bats and Built Environment Series, Bat Conservation Trust and Institute for Lighting Engineers .							
	8.21	Impact on habitats and species during decommissioning	Updated ecological surveys undertaken prior to the commencement of decommissioning.		X		Decommissioning	Contractor	Detailed DEMP to be secured through DCO Requirement 5	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]** oDEMP **[EN010140/APP/6.3.5.3]**
	8.22	Impacts arising from decommissioning	Controlled though standard good construction and environmental working practices detailed within the DEMP.		X		Decommissioning	Contractor	Detailed DEMP to be secured through DCO Requirement 5	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]** oDEMP **[EN010140/APP/6.3.5.3]**
	8.23	Impact on habitats and species during decommissioning	A suitably qualified and experienced Ecological Clerk of Works ('ECoW') (or team of ECoWs) will be appointed prior to the commencement of decommissioning activities and through whom appropriate ecological advice will be provided throughout		X		Decommissioning	Contractor	Detailed DEMP to be secured through DCO Requirement 5	Chapter 8: Biodiversity **[EN01040/APP/6.1.8]** oDEMP **[EN010140/APP/6.3.5.3]**
Water Environm	9.1	Risk of flooding on	Sequential approach has been used to locate	X			Operation	Applicant	DCO and Works Plans	Chapter 9: Water

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
ent		Site Equipment	sensitive equipment in areas of lowest flow risk, such as the BESS and Substation.						**[EN010140/APP/2.3]**	Environment **[EN010140/APP/6.1.9]**
	9.2	Risk of flooding on Site Equipment (Solar PV arrays)	Infrastructure sensitive to flood events (solar PV arrays) will be designed to be resistant and resilient to flood waters. Solar PV arrays will be rotated to the stow position to ensure they are raised above the flood level. The arrays will be provided with a minimum of 0.3m freeboard between the combined fluvial and tidal design flood level and the stow position of the solar array. Panel supports will be securely piled and designed to allow for the effect of flowing water pressures and to be resistant to inundation during a flood event	X			Operation	Applicant	DCO Requirement 3	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**
	9.3	Risk of collecting debris on security	The mesh size of any security fencing within flood risk areas would be increased to a	X			Operation	Applicant	DCO Requirement 3	Chapter 9: Water Environment **[EN010140/AP**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
		fence	minimum of 0.15m to minimise the risk of it collecting debris and allow flood waters to flow around and through the structure.							**P/6.1.9]**
	9.4	Risk of flooding on Site Equipment	Earth flood defence bunds around ancillary control equipment in areas of elevated flood risk. Bunds raised at least +0.6m above combined flood level.	X			Operation	Applicant	DCO Requirement 3	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**
	9.5	Risk of flooding on on-site buildings	Floor levels raised to sit on top of damp proof course protection, floor levels raised by at least 0.3m above existing ground level.	X			Operation	Applicant	DCO Requirement 3	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**
	9.6	Risk of flooding on Solar PV array inverters	If string inverters are secure through detailed design, they will be situated a minimum of 0.3m above the combined fluvial and tidal design flood level.	X			Operation	Applicant	DCO Requirement 3	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**
	9.7	Risk of flooding on BESS Container	BESS container will be raised at least 0.3m above the ground (up to 0.6m).	X			Operation	Applicant	DCO Requirement 3	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
	9.8	Risk of flooding from on-site water courses	On-site watercourses are retained, buffer zones of at least 7m have been established from the edge of a bank of any on-site ordinary watercourse for all infrastructure.	X			Construction	Applicant	DCO Requirement 3	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**
	9.9	Screening of development to reduce flood risk	Reinforcing existing hedgerows and planting new ones for screening. Most planting will be beyond the 7m buffer from watercourses, with proposed planting within 7m subject to ensuring maintenance access	X			Operation	Applicant	DCO and Works Plans **[EN010140/APP/2.3]**	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**
	9.10	Adverse effects on on-stie watercourses caused by below ground electricity and data cables	Minimise the number of crossings required. Follow set design parameters including using trenchless methods. If alternative construction methods are proposed for service crossings of IDB maintained ordinary watercourses, it is likely IDB Byelaw consent would be required and construction methods should be approved by	X			Construction	Applicant	DCO Requirement 3	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
			the Selby Area IDB							
	9.11	Potentially polluting electrical plant containing oil discharging and affecting groundwater bodies	Any electrical plant within the site which contains oil will be designed to be suitably bunded in accordance with Control of Pollution (Oil Storage) (England) Regulations 2001 and the EA and Department for Environment, Food & Rural Affairs guidance. Relevant materials will be stored in accordance with pollution prevention principles., design and location will be in line with EA guidance.	X			Construction	Contractor	Detailed DEMP to be secured through DCO Requirement 5	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**
	9.12	Reduce likelihood of cable strikes	Cables to be buried at depths in accordance with NJUG Guidelines, positioning, and colour coding of underground utilities apparatus.	X			Construction	Applicant	DCO Requirement 3	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**
	9.13	Reducing the risk of a pollution event or contamination of flood water occurring	The provision of earth flood defence bunds, flood waters would not interact with the control equipment	X			Operation	Applicant	DCO Requirement 3	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
		involving control equipment								
	9.14	Risk of the creation a pathway between the surface and underlying aquifer in the event of a flood event within the bund	Area within earth flood defence bunds surrounding ancillary equipment, BESS and Substation will be lined with impermeable liner.	X			Operation	Applicant	DCO Requirement 3	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**
	9.15	Reduce the risk of pollution to on-site watercourses	Appropriately designed penstocks will be provided on the outfalls from the BESS compound and 132kv substation surface water drainage system to the ordinary watercourses	X			Operation	Applicant	DCO Requirement 3	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**
	9.16	Protection of SPZ1	No fluid filled cables pass through this area	X			Construction	Applicant	DCO Requirement 3	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**
	9.17	Protection of SPZ1	Ancillary control equipment which could contain oil-filled plant will be located outside this area	X			Construction	Applicant	DCO Requirement 3	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
	9.18	Effects of surface water on ground conditions	Farm Zone and Green Infrastructure areas will be sown with the appropriate seed mix	X			Construction	Contractor	Detailed LEMP secured through DCO Requirement 10	Chapter 9: Water Environment **[EN010140/APP/6.1.9]** oLEMP **[EN010140/APP/6.3.7.9]**
	9.19	Potential extreme surface run off flows	Interception swales will be located at low points across the Site.	X			Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**
	9.20	Drainage of the BESS and substation	Formal drainage system utilising SuDS features to collect and convey runoff. Runoff would be discharged at a controlled rate into the on-site ordinary watercourses/ drainage ditches.	X			Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 9: Water Environment **[EN010140/APP/6.1.9]** FRA **[EN010140/AP/7.5]**
	9.21	Reduce need for new watercourse crossings	Internal access tracks to utilise existing watercourse/hedgerow crossings	X			Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 9: Water Environment **[EN010140/APP/6.1.9]** FRA **[EN010140/AP/7.5]**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
	9.22	Protection of watercourses and new watercourse crossings	Using either single span structures, clear of the watercourse channels or oversized box culverts.	X			Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 9: Water Environment **[EN010140/APP/6.1.9]** FRA **[EN010140/AP/7.5]**
	9.23	Potentially increased flood risk from construction of new watercourse crossings	Watercourse crossings will be sized such that no hydraulic restriction is created, and flood risk is not materially affected	X			Construction	Applicant	DCO Requirement 3	Chapter 9: Water Environment **[EN010140/APP/6.1.9]** FRA **[EN010140/AP/7.5]**
	9.24	Manage residual risk from flooding	Site contractor will register to receive flood alerts from the EA, the Proposed Development will be evacuated with plans secured under DCO requirement		X		All phases	Contractor/ Applicant	Detailed CEMP, DEMP, and OEMP to be secured by DCO Requirements 4, 5, and 7.	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**
	9.25	Manage residual risk from flooding	The site will not be visited during times of elevated flood risk.		X		Operation	Applicant	Detailed OEMP secured by DCO Requirement 7	Chapter 9: Water Environment **[EN010140/APP/6.1.9]** Outline OEMP

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
										[EN010140/APP/6.3.5.4]
	9.26	Reduce risk of water pollution	Adopting best practice site management, adequate contingency planning, and following principles of pollution control.		X		Operation	Applicant	Detailed OEMP secured by DCO Requirement 7	Chapter 9: Water Environment **[EN010140/APP/6.1.9]** Outline OEMP **[EN010140/APP/6.3.5.4]**
	9.27	Reduce risk of soil erosion and overland flow	The vegetation coverage across the Site will be maintained and monitored in accordance with a Landscape and Ecological Management Plan ('LEMP')		X		Operation	Applicant	Detailed LEMP secured through DCO Requirement 10	Chapter 9: Water Environment **[EN010140/APP/6.1.9]** oLEMP **[EN010140/APP/6.3.7.0]**
	9.28	Reduce risk of water pollution	A detailed Construction Environmental Plan (CEMP) will be secured through a DCO requirement. the CEMP outlines measures taken to reduce the risk of water pollution.		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 9: Water Environment **[EN010140/APP/6.1.9]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	9.29	Reduce risk of water pollution	Contractors to employ best practice and good housekeeping.		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 9: Water Environment **[EN010140/AP**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
										P/6.1.9] Outline CEMP **[EN010140/AP P/6.3.5.1]**
	9.30	Reduce risk of water pollution	Provide additional street cleaning and wheel cleaning facilities. Cleaning to take place 10m away from watercourse of surface water body.		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 9: Water Environment **[EN010140/AP P/6.1.9]** Outline CEMP **[EN010140/AP P/6.3.5.1]**
	9.31	Reduce risk of water pollution	Contractors will use well maintained plant, adoption of pollution prevention principles.		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 9: Water Environment **[EN010140/AP P/6.1.9]** Outline CEMP **[EN010140/AP P/6.3.5.1]**
	9.32	Reduce risk of water pollution	Silt fences erected along boundaries of watercourses to minimise silt laden runoff. Siltbusters (or similar approved product) may be necessary. (When construction occurs near		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 9: Water Environment **[EN010140/AP P/6.1.9]** Outline CEMP **[EN010140/AP P/6.3.5.1]**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
			watercourses)							
	9.33	Reduce risk of water pollution	Construction compounds and storage located outside areas susceptible to flooding.		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 9: Water Environment **[EN010140/APP/6.1.9]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	9.34	Reduce risk of water pollution	Light machinery used to install solar panels; HGVs restricted to temporary construction compound.		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 9: Water Environment **[EN010140/APP/6.1.9]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	9.35	Reduce risk of water pollution	Fuels, lubricants, or chemicals will be stored in accordance with appropriate pollution prevention principles.		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 9: Water Environment **[EN010140/APP/6.1.9]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	9.36	Alleviate effects of compaction	Affected areas will be harrowed and seeded.		X		Construction	Applicant	DCO Requirement 3	Chapter 9: Water Environment **[EN010140/AP**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
										P/6.1.9]
	9.37	Effects of construction activities on site drainage	If the site becomes significantly disturbed, temporary swales will be constructed.		X		Construction	Applicant	DCO Requirement 3	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**
	9.38	Minimise disruption to on-site overland flows	Construction activities to be paused during periods of elevated surface flood risk.		X		Construction	Applicant	DCO Requirement 3	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**
	9.39	Potential pollution from leakages of operational plant	A site maintenance plan will be implemented so that all operational plant is routinely checked and maintained		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 9: Water Environment **[EN010140/APP/6.1.9]**
	9.40	Construction activities during decommissioning	Effects during the decommissioning phase, are anticipated to be similar to the construction phase. Mitigation measures will therefore be similar to those discussed above, and will include an enhanced monitoring		X		Decommissioning	Contractor	Detailed DEMP to be secured through DCO Requirement 5	Chapter 9: Water Environment **[EN010140/APP/6.1.9]** Outline DEMP **[EN010140/APP/6.3.5.3]**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
			schedule and pollution control measures to safeguard groundwater quality which will be formalised and incorporated into a detailed Decommissioning Environmental Management Plan ('DEMP')							
	9.41	Potentially polluting construction activities and spillage/leakage of polluting substances affecting groundwater bodies via direct flow	Enhanced monitoring in addition to best practice measures outlined in CEMP and Hydrogeological Risk Assessment for Directional Drilling activities.			X	Construction	Contractor	Detailed DEMP to be secured through DCO Requirement 5	Chapter 9: Water Environment **[EN010140/APP/6.1.9]** Outline CEMP **[EN010140/APP/6.3.5.1]**
Transport and Access	10.1	Potential loss of PRoWs	Access to all existing PRoWs within the site will be maintained. Should temporary closures be required alternate routes will be provided.	X			Construction	Contractor/Applicant	Detailed OEMP secured by DCO Requirement 7	Chapter 10: Transport and Access **[EN010140/APP/6.1.10]** Outline OEMP **[EN010140/AP**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
										P/6.3.5.4]
	10.2	Access for construction vehicles	Suitable points of access for construction vehicles will be provided.	X			Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 10: Transport and Access **[EN010140/APP/6.1.10]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	10.3	Potential loss of PRoWs	Access to all existing PRoWs within the site will be maintained. Should temporary closures be required alternate routes will be provided.	X			Operational	Applicant	Detailed OEMP secured by DCO Requirement 7	Chapter 10: Transport and Access **[EN010140/APP/6.1.10]** Outline OEMP **[EN010140/APP/6.3.5.4]**
	10.4	Access for construction vehicles	Suitable points of access for operational vehicles will be provided.	X			Operational	Contractor	Detailed OEMP secured by DCO Requirement 7	Chapter 10: Transport and Access **[EN010140/APP/6.1.10]** Outline OEMP **[EN010140/APP/6.3.5.4]**
	10.5	Effects of drivers on local highway	Planting of landscaping and screening to conceal any reflections from the panels.	X			Operational	Applicant	DCO Requirement 3	Chapter 10: Transport and Access **[EN010140/AP**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
		network								**P/6.1.10]**
	10.6	Potential loss of PRoWs	Access to all existing PRoWs within the site will be maintained. Should temporary closures be required alternate routes will be provided.	X			Decommissioning	Contractor	Detailed DEMP to be secured through DCO Requirement 5	Chapter 10: Transport and Access **[EN010140/APP/6.1.10]** Outline DEMP **[EN010140/APP/6.3.5.3]**
	10.7	Access for construction vehicles	Suitable points of access for construction vehicles will be provided.	X			Decommissioning	Contractor	Detailed DEMP to be secured through DCO Requirement 5	Chapter 10: Transport and Access **[EN010140/APP/6.1.10]** Outline DEMP **[EN010140/APP/6.3.5.3]**
	10.8	Effects of traffic during construction	An Outline Construction Traffic Management Plan ('oCTMP') has been prepared and a detailed CTMP will be secured through a DCO requirement at detailed design.		X		Construction	Contractor	CTMP to be secured through DCO Requirement 6	Chapter 10: Transport and Access **[EN010140/APP/6.1.10]** CTMP **[EN010140/APP/6.3.5.2]**
	10.9	Effects of traffic during construction	Signs to direct construction vehicles installed along agreed		X		Construction	Contractor	CTMP to be secured through DCO	Chapter 10: Transport and Access

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
			construction route. Route plan to be provided to drivers, contractors and visitors.						Requirement 6	**[EN010140/APP/6.1.10]** CTMP **[EN010140/APP/6.3.5.2]**
	10.10	Effects of traffic during construction	Signs informing contractors and visitors that parking is not permitted on-street.		X		Construction	Contractor	CTMP to be secured through DCO Requirement 6	Chapter 10: Transport and Access **[EN010140/APP/6.1.10]** CTMP **[EN010140/APP/6.3.5.2]**
	10.11	Effects of traffic during construction	A compound area for contractors to be set up on-Site including appropriate parking spaces. Contractors		X		Construction	Contractor	CTMP to be secured through DCO Requirement 6	Chapter 10: Transport and Access **[EN010140/APP/6.1.10]** CTMP **[EN010140/APP/6.3.5.2]**
	10.12	Effects of traffic during construction	A wheel wash facility to be provided ahead of exiting the Site allowing vehicles to be hosed down		X		Construction	Contractor	CTMP to be secured through DCO Requirement 6	Chapter 10: Transport and Access **[EN010140/APP/6.1.10]** CTMP **[EN010140/AP**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
										P/6.3.5.2]
	10.13	Effects of traffic during construction	A road sweeper to be provided for surrounding local roads along the designated route to alleviate any residual debris generated during the construction phase, as required;		X		Construction	Contractor	CTMP to be secured through DCO Requirement 6	Chapter 10: Transport and Access **[EN010140/APP/6.1.10]** CTMP **[EN010140/APP/6.3.5.2]**
	10.14	Effects of traffic during construction	Site secured at all times with Heras fencing.		X		Construction	Contractor	CTMP to be secured through DCO Requirement 6	Chapter 10: Transport and Access **[EN010140/APP/6.1.10]** CTMP **[EN010140/APP/6.3.5.2]**
	10.15	Effects of traffic during construction	Requirement for engines to be switched off on site when not in use.		X		Construction	Contractor	CTMP to be secured through DCO Requirement 6	Chapter 10: Transport and Access **[EN010140/APP/6.1.10]** CTMP **[EN010140/APP/6.3.5.2]**
	10.16	Effects of traffic during construction	Vehicles carrying waste material off-site to be sheeted.		X		Construction	Contractor	CTMP to be secured through DCO	Chapter 10: Transport and Access

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
									Requirement 6	**[EN010140/APP/6.1.10]** CTMP **[EN010140/APP/6.3.5.2]**
	10.17	Effects of traffic during construction	Banksmen to be provided at the Site access junctions to indicate to construction traffic when it is safe for them to enter and exit the Site		X		Construction	Contractor	CTMP to be secured through DCO Requirement 6	Chapter 10: Transport and Access **[EN010140/APP/6.1.10]** CTMP **[EN010140/APP/6.3.5.2]**
	10.18	Effects of traffic during construction	Measures to ensure the safety of public rights of way users		X		Construction	Contractor	CTMP to be secured through DCO Requirement 6	Chapter 10: Transport and Access **[EN010140/APP/6.1.10]** CTMP **[EN010140/APP/6.3.5.2]**
	10.19	Effects of traffic during construction	Residents in the vicinity of the Site along the designated route to be provided with contact details of the Site Manager, which will also be provided on a Site-board at the Site access		X		Construction	Contractor	CTMP to be secured through DCO Requirement 6	Chapter 10: Transport and Access **[EN010140/APP/6.1.10]** CTMP **[EN010140/AP**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
			and egress junctions							**P/6.3.5.2]**
	10.20	Effects of traffic during construction	Agreement of a Road Condition Survey with NYC to be provided prior to construction, and agreed by DCO requirement		X		Construction		CTMP to be secured through DCO Requirement 6	Chapter 10: Transport and Access **[EN010140/APP/6.1.10]** CTMP **[EN010140/APP/6.3.5.2]**
	10.21	Effects of traffic during decommissioning	A DCO requirement for a Decommissioning Traffic Management Plan ('DTMP') will be agreed with NYC prior to the commencement of the decommissioning phase of the Proposed Development, which will be secured through a DCO requirement. This will follow the principles of the oCTMP. It is not anticipated that the effects associated with decommissioning will be worse than during the construction phase.		X		Decommissioning		DTMP to be secured through DCO Requirement 5	Chapter 10: Transport and Access **[EN010140/APP/6.1.10]** CTMP **[EN010140/APP/6.3.5.2]**
Noise	11.1	Acoustic effects at sensitive	All noise generating plant is optimally located and distributed	X			Operation	Applicant	DCO Requirement 3	Chapter 11 Noise **[EN010140/AP**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
		receptors	throughout the site.							**P/6.1.11]**
	11.2	Acoustic effects at sensitive receptors	Adoption of appropriate candidate plant specifications.	X			Operation	Applicant	DCO Requirement 3	Chapter 11 Noise **[EN010140/APP/6.1.11]**
	11.3	Effects of noise and vibrations from construction operations on surrounding uses.	All works will be carried out in accordance with BPM as stipulated in the 1974 Act.		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	11.4	Effects of noise and vibrations from construction operations on surrounding uses.	Effective co-ordination and time management of construction operations through the form of early communications with surrounding and on site receptors.		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	11.5	Effects of noise and vibrations from construction	Noise mitigation implemented in line with British Standard 5228-1:2009+A1:2014 'Code of Practice for Noise		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline CEMP

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
		operations on surrounding uses.	and Vibration Control on Construction and Open Sites – Noise'							**[EN010140/APP/6.3.5.1]**
	11.6	Effects of noise and vibration during non-routine activities	Provisions to be set out with NYC to reduce the effect. Noise and vibration monitoring during particularly noise phases of work or when close to site boundary.		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	11.7	Effects of noise and vibration during non-routine activities	For any proposed construction works to be undertaken outside of the permitted working day, prior consent would be sought from NYC.		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	11.8	Effects of noise and vibrations during delivery and removal of materials	Planning all mass concreting operations for weekends where possible		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	11.9	Effects of noise and vibrations during delivery and removal of	Ensuring construction traffic is parked off the public highway		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline CEMP **[EN010140/AP**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
		materials								**P/6.3.5.1]**
	11.10	Effects of noise and vibrations during delivery and removal of materials	Controlling the discharge of trucks from Site to avoid congestion		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	11.10	Effects of noise and vibrations during delivery and removal of materials	Implementing traffic management systems at the entrance of the Site at all times to control the traffic into the site		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	11.11	Effects of general construction noise and vibrations	Using continuous flight auger piling, at locations where noise-sensitive receptors are within 20m		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	11.12	Effects of general construction noise and vibrations	Using ‘silenced’ plant and equipment		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	11.13	Effects of general	Switching off engines where vehicles are		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement	Chapter 11 Noise

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
		construction noise and vibrations	standing for significant period of time.						4	**[EN010140/APP/6.1.11]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	11.14	Effects of general construction noise and vibrations	Fitting of acoustic enclosures		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	11.15	Effects of general construction noise and vibrations	Operating pant at low speeds and incorporation of automatic low speed idling		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	11.16	Effects of general construction noise and vibrations	Selecting electric equipment in preference over combustion and hydraulic over pneumatic.		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	11.17	Effects of general construction noise and vibrations	Properly maintaining plant equipment		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline CEMP

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
										[EN010140/APP/6.3.5.1]
	11.18	Effects of general construction noise and vibrations	Considering the use of temporary screening for static noisy plant to reduce visual impact		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	11.19	Effects of general construction noise and vibrations	Certifying plant to meet any relevant EC Directive standards		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	11.20	Effects of general construction noise and vibrations	Awareness training for contractors to BS5228 as a prerequisite to employment		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline CEMP **[EN010140/APP/6.3.5.1]**
	11.21	Effects of vibration from piling activities.	Mitigative input is limited to that set out within BS5228. OR Using low vibration working methods and monitoring potentially significant levels of		X		Construction	Contractor	Detailed CEMP to be secured through DCO Requirement 4	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline CEMP **[EN010140/APP/6.3.5.1]**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
			vibration.							
	11.22	Effects of noise and vibration during decommissioning	The decommissioning phase is expected to be similar to the construction phase, therefore the decommissioning phase will be managed through a delated DEMP.		X		Decomissioning	Contractor	Detailed DEMP to be secured through DCO Requirement 5	Chapter 11 Noise **[EN010140/APP/6.1.11]** Outline DEMP **[EN010140/APP/6.3.5.4]**
Climate Change	12.1	Effects of intense heatwaves on the operation of the BESS	This will be managed in line with the BESS Safety Management		X		Operational	Applicant	BESS Safety Management plan to be secured through DCO Requirement 9	Chapter 12 Climate Change **[EN010140/APP/6.1.12]** BESS Safety Management Plan **[EN010140/APP/6.3.3.1]**
	12.2	Effects of climatic extremes on on-site workers	During operation will adhere to appropriate health and safety measures when working on-Site at all times. Furthermore, site visits for maintenance or landscaping purposes can be re-scheduled to prevent site visits during periods of climatic extremes, such as heatwaves or elevated		X		Operational	Applicant	Detailed OEMP secured through DCO Requirement 7	Chapter 12 Climate Change **[EN010140/APP/6.1.12]** Outline OEMP **[EN010140/APP/6.3.5.3]**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
			flood risk.							
	12.3	Effects of climate change and the sites ability to adapt to changing climatic conditions	The LEMP / oLEMP will set out how the Proposed Development is to be managed in regard to landscape and planting. The oLEMP outlines that proposed native woodland planting is composed of a mix of locally characteristic trees and shrubs from a broad palette, to provide greater diversity and therefore better capacity to adapt to changing climatic conditions		X		Operational	Applicant	Detailed LEMP secured through DCO Requirement 10	Chapter 12 Climate Change **[EN010140/APP/6.1.12]** oLEMP **[EN010140/APP/6.3.7.9]**
	12.4	Potential environmental effects from construction activities and movements	An Outline Construction Environmental Management Plan ('oCEMP') (and Outline Construction Traffic Management Plan ('oCTMP') are included within the ES. Final, detailed versions would be subject to approval by the relevant authority and secured by DCO requirement. The documents detail the		X		Construction	Contractor	CEMP and CTMP to be secured through DCO Requirements 4 and 6	**Chapter 12 Climate Change [EN010140/APP/6.1.12]** Outline CEMP **[EN010140/APP/6.3.5.1]** Outline CTMP **[EN010140/APP/6.3.5.2]**

Topic	Reference	Effect	Mitigation Measure	E	M	A	Phase	Responsible Party	Securing Mechanism	Document Source
			measures to be adopted by the project to reduce environmental impacts.							
	12.5	Reduced Efficiency of panels	There will be ongoing maintenance throughout the Proposed Development's operational lifespan to ensure the solar PV panels are cleaned and to maintain vegetation to prevent shading of the solar PV panels.		X		Operational	Applicant	Detailed OEMP secured through DCO Requirement 7	Chapter 12 Climate Change **[EN010140/APP/6.1.12]** Outline OEMP **[EN010140/APP/6.3.5.3]**
Soils and Agricultural Land	14.1	Effects on soil	An outline Soil Management Plan (oSMP) which sets out appropriate measures to be implemented regarding the handling of soils.		X		All phases	Contractor/Applicant	Detailed SMP secured by DCO Requirement 8	Chapter 14 Soil and Agricultural land **[EN010140/APP/6.1.14]** OSMP **[EN010140/APP/6.3.14.3]**

E = Embedded Mitigation
M = Measures to be Adopted by the Project
A = Additional Mitigation/ Enhancement Measure
[1] = Where the Contractor is identified as the Responsible Party it is identified that the overall responsibility remains with the Applicant, and that the Applicant will secure the principal contractor's compliance with and implementation of the relevant mitigation measure through its contractual arrangements with the contractor.