

## 10. MITIGATION PROPOSALS

Embedded mitigation measures have been integral to the design evolution of the Project as described in **Chapter 2: Project Description**.

The key mitigation measures proposed to reduce the potential effects of the Project are described in **Table 10.1.** Mitigation measures are split into two elements: those specific to the Proposed Development (substation and ancillary infrastructure) and those specific to the Associated Development (overhead line diversion).

**Table 10.1 Mitigation Summary** 

Chapter	Topic	Proposed Development Mitigation Measures	Associated Development Mitigation Measures
General	General	A Construction Environmental Management Plan (CEMP) will be the overarching document which combines the principles of all other management plans and environmental plans outlined within this EA Report and would support Construction Method Statements (CMSs). SSEN Transmission's General Environmental Management Plans (GEMPs) (see Annex A) will be implemented through the CEMP and include:  • Bad Weather • Biosecurity (On Land) • Contaminated Land • Dust Management • Forestry • Oil Storage and Refuelling • Private Water Supplies • Restoration • Soil Management • Waste Management • Watercourse Crossings • Working in or Near Water • Working in Sensitive Habitats	
Landscape and Visual	Embedded Mitigation	<ul> <li>Working with Concrete</li> <li>A number of design principles have been considered in order to minimise landscape and visual impacts as described in Chapter 3:         <ul> <li>Landscape and Visual:</li> <li>Land clearance and occupation will be limited to necessary areas only to minimise the geographic spread of the infrastructure and limit the potential impact on the local landscape fabric.</li> <li>The Proposed Development and Associated Development access tracks will utilise existing forestry tracks to minimise effects associated with peripheral parts of the Project;</li> <li>The number of new pylons comprising the Associated Development has been limited as far as possible to minimise the effects resulting from this component of the Project;</li> <li>Temporary tracks and temporary overhead line diversions (for construction purposes) would be reinstated at the end of</li> </ul> </li> </ul>	

Chapter	Topic	Proposed Development	Associated Development	
		Mitigation Measures	Mitigation Measures	
		the construction phase, thereby further limiting the geographic extent of potential residual effects;  In terms of colour and materials, buildings would be painted with a recessive colour (dark-brown, such as RAL 8014: Sepia Brown or similar approved) to assist blending in with the surrounding landscape context comprising plantation forestry;  Proposed planting would incorporate the creation of new parcels of native woodland edge tree/scrub around peripheral parts of the Proposed Development Site. This would provide a natural context to the proposed built form, whilst also providing additional habitat type and further visual screening;  Ground cover, such as species-rich grassland / meadow (comprising upland / shade-tolerant woodland meadow mix in accordance with the context) would be introduced within the Proposed Development Site, along the route of the		
		Associated Development.		
		Mitigation planting will replace lost		
	Tree Pruning of AWI	A pre-construction Ancient Woodland survey shall be undertaken (optimum survey period April – June).		
		An ECoW shall be present when any tree works are to be undertaken within an Ancient Woodland.		
	Protected Species	A pre-construction site walkover survey will be completed by a suitably qualified Ecological Clerk of Works (ECoW).		
		Should a species be identified, the appropriate Species Protection Plans (SPPs) (see <b>Annex H</b> of this EA Report) will be followed during construction. SPPs include bats, otter, red squirrel and badger, wild cat, reptiles and pine marten.		
	Nesting birds	·		
		If this is not possible, a pre-constru on the habitat to be lost within the F determine if any nesting birds are p	•	
		If nesting birds are identified, the S  H) will be implemented by a suitable	· ·	
		If there is a delay to commencing construction following habitat removal, further mitigation may be necessary to deter birds using the		

<sup>1</sup> UK Government Wild birds: surveys and mitigation for development projects. Available at https://www.gov.uk/guidance/wild-birds-surveys-and-mitigation-for-development-projects



Chapter	Topic	Proposed Development Mitigation Measures	Associated Development Mitigation Measures
		site (e.g., regular human presence, tapes across the site, other scaring devices).	
Forestry	General	Best practice as specified by Scottish Forestry and Forest Industry Safety Accord (FISA) will be implemented at all times, including:  • BS 5837 (2012) – Trees in Relation to Design, Demolition and Construction; and  • The Forestry Commission publication 'Managing Forest Operations to Protect the Water Environment'.  • A detailed tree planting design plan will be created and the site will be largely replanted with commercial conifers where appropriate. Off-site compensatory planting will be confirmed.  • The management felling area (either side of the 85m overhead line route) will be replanted by the landowner in-line with Scottish Forestry felling licence regulations.	
	Replanting		
Hydrology, Hydrogeology and Geology	Embedded Mitigation	The following mitigation measures relating to the hydrological	
WCEMP  Construction good practice methods and works for hydrological receptors are also outlined in the Ann Construction Environmental Management Plan  The WCEMP includes mitigation measures to prote		s and works for protection of ined in the Annex J: Water agement Plan (WCEMP).	
		supplies, this includes (but not limite  Chemical pollution prevent appropriate chemical stora  Mitigation measures and b  Mitigation measures relating sediment on site;  Appropriate use of concrete	ed to): tion including measures for age; test practice in the event of a spill; and to management of silt and
		Recommendation for a surface water be conducted prior to construction, construction due to the presence of impacted. This would also include of proposed construction activities.  Water quality and sediment pollution best practice guidance cited in the form of the working in or near Water;	during construction and post- private water supplies that may be daily visual inspections during  n prevention will be managed using



Chapter	Topic	Proposed Development Mitigation Measures	Associated Development Mitigation Measures
	Site Drainage Peat Management	stripped separately from the typically be an excavation  Careful handling is required and integrity of the excavation maximise the potential for  Acrotelmic material will be once construction progress.  To minimise handling and will be replaced, as far as locality from which it was replaced on the surface of the placed on the placed on the surface of the placed on the surface of the placed on the placed on the placed o	tats  n/a  n produced (See Annex O) which at should be followed with regards ang: (acrotelm) and vegetation will be the catotelmic peat. This will depth of up to 0.5 m; and to retain any existing structure atted materials and thereby excavated material to be re-used; replaced as intact as possible ses/as it is complete; transportation of peat, acrotelmic is reasonably practicable, in the removed. Acrotelmic material is to of reinstatement areas;
	Peat Slide Hazard Risk Assessment	investigations;	should be adopted post-consent ate the PSRA and influence the or to detailed design; assary following detailed ground sitive to changes in drainage



Chapter	Topic	Proposed Development Mitigation Measures	Associated Development Mitigation Measures
		<ul> <li>Development of a drainage strategy that will not create areas of concentrated flow and will not affect the current peatland hydrology;</li> <li>Design of a Development drainage system for tracks and hardstanding that will require minimal ongoing maintenance during the operation of the substation;</li> <li>Inspection and maintenance of the drainage systems during construction and operation;</li> <li>Identification of suitable areas for stockpiling material during construction prior to commencement of works; and</li> <li>Consideration of specific construction methods appropriate for infrastructure in peat land (i.e., geogrids) as part of design Development.</li> <li>During the construction stage, toolbox talks should be delivered to site personnel, which should contain but not be limited to the following information:         <ul> <li>Peat slide risks and associated indicators;</li> <li>Best practise techniques when working in the peatland environment; and</li> <li>Discussion on being careful not to disrupt or disturb the natural drainage on slopes.</li> </ul> </li> </ul>	
Archaeology and Cultural Heritage	Consultation		
	Survey		
	Watching brief	An archaeological watching brief is required for all ground-breaking works.  Archaeological exclusion zones will be established 15 m each side of watercourses, where the ground has been less disturbed by forestry planting and felling.	A watching brief will be maintained during ground-breaking activity related with the Associated Development. Archaeological exclusion zones will be established 15 m each side of watercourses, where the ground has been less disturbed by forestry planting and felling.



Chapter	Topic	Proposed Development Mitigation Measures	Associated Development Mitigation Measures
	Heritage assets	Cup marked stone - CM_013  A buffer zone of 20 m is demarcated around the asset if works are to be carried out in near proximity, and a watching brief will be maintained during ground-breaking activity if works are to be carried out in near proximity.	None identified, but the potential for unidentified buried archaeological assets remains.
Noise	Embedded Mitigation	Construction works are not to take place during the night-time period, and rock breaking must not be undertaken without prior written	
Traffic and Transport	Construction Traffic Management Plan (CTMP)	agreement from ABC.  The Contractor will share a CTMP with ABC and Transport Scotland (where appropriate) identifying appropriate and safe routes for construction traffic which will include the following mitigation	
	Invisible Load (AIL)	Further consultation and notification local authorities including ABC and A SSEN Transmission Community to the Project to ensure that the local public have enough information to pathormal load movements.	Police Scotland.  Liaison Manager will be appointed al community and the general