LLŶR FLOATING OFFSHORE WIND PROJECT

Llŷr 1 Floating Offshore Wind Farm

Environmental Statement

Volume 6: Appendix 11B - Land Contamination Methodology Tables

August 2024

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FLOVENTIS ENERGY

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Glossary of project terms

Term	Definition
The Applicant	The developer of the Project, Llŷr Floating Wind Limited.
Array	All wind turbine generators, inter array cables, mooring lines, floating sub-structures and supporting subsea infrastructure within the Array Area, as defined, when considered collectively, excluding the offshore export cable(s).
Array Area	The area within which the wind turbine generators, inter array cables, mooring lines, floating sub-structures and supporting subsea infrastructure will be located.
Floventis Energy	A joint venture company between Cierco Ltd and SBM Offshore Ltd of which Llŷr Floating Wind Limited is a wholly owned subsidiary.
Landfall	The location where the offshore export cable(s) from the Array Area, as defined, are brought onshore and connected to the onshore export cables (as defined) via the transition joint bays.
Llŷr 1	The proposed Project, for which the Applicant is applying for Section 36 and Marine Licence consents. Including all offshore and onshore infrastructure and activities, and all project phases.
Marine Licence	A licence required under the Marine and Coastal Access Act 2009 for marine works which is administered by Natural Resources Wales (NRW) Marine Licensing Team on behalf of the Welsh Ministers.
Offshore Development Area	The footprint of the offshore infrastructure and associated temporary works, comprised of the Array Area and the Offshore Export Cable Corridor, as defined, that forms the offshore boundary for the S36 Consent and Marine Licence application.
Offshore Export Cable	The cable(s) that transmit electricity produced by the WTGs to landfall.
Offshore Export Cable Corridor (OfECC)	The area within which the offshore export cable circuit(s) will be located, from the Array Area to the Landfall.
Onshore Development Area	The footprint of the onshore infrastructure and associated temporary works, comprised of the Onshore Export Cable Corridor and the Onshore Substation, as defined, and including new access routes and visibility splays, that forms the onshore boundary for the planning application.
Onshore Export Cable(s)	The cable(s) that transmit electricity from the landfall to the onshore substation.
Onshore Export Cable Corridor (OnECC)	The area within which the onshore export cable circuit(s) will be located.
proposed Project	All aspects of the Llŷr 1 development (i.e. the onshore and offshore components).
Onshore Substation	Located within the Onshore Development Area, converts high voltage generated electricity into low voltage electricity that can be used for the grid and domestic consumption.
Section 36 consent	Consent to construct and operate an offshore generating station, under Section 36 (S.36) of the Electricity Act 1989. This includes deemed planning permission for onshore works.

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11-B LAND CONTAMINATION METHODOLOGY TABLES

1. A qualitative assessment of the risks posed by land contamination within the Study Area of the Onshore Development Area has been undertaken as part of **Chapter 11: Geology and Hydrogeology**. This has been done by first assigning a 'site rating' to each identified historical or current area of potential land contamination, identified in the baseline review. The site rating has been determined using the tables below and should be read alongside the methodology presented in **Section 11.3.3.3** (Screening Assessment (undertaken within Tier 1)) in **Chapter 11: Geology and Hydrogeology**. The assessment itself is presented in **Appendix 11C.**

Table 11B-1. Proximity zone definition

Zone no.	Definition
Zone 1	All land on, or within, the footprint of the Onshore Development Area and including a 10m margin.
Zone 2	All land within 50m of the edge of Zone 1 land.
Zone 3	All land from between 50 and 250m from the edge of Zone 1 land.

Table 11B-2. Potentially contaminative land uses

Class	Generic Description	Typical Land Uses
Class 1	Low risk of potential contamination, or less hazardous chemicals in use.	Farms (ancillary buildings and areas for storing chemicals, fuel etc.)
		Warehouses
		Goods yards
		Hospitals
		Builders yards
		Retail and business parks
Class 2	Medium risk of potential contamination, more hazardous chemicals in possible use	Engineering workshops
		Railways/ disused railway lines
		Brick works
		Dry cleaners (retail)
		Sewage works
		Former clay pits and quarries
		Cement/ asphalt works
		Car breakers
		Garage workshops
		Waste transfer facilities
		Paper works
		Power stations
		Glass works
		Timber treatment works
		Foot and mouth burials
		Metal manufacturing and plating
		Depots
		Scrap yards
Class 3	High risk of potential contamination, hazardous chemicals likely to be present	Gas and coke works
		Landfills and historic landfills
		Petrol filling stations
		Oil depots
		Iron and steel works
		Historical foundries
		Chemical works

Table 11B-3. Site rating

Potentially Contaminative Land Use Class	Proximity to Route	Relationship to Cut/ Fill/ Construction Work	Site Rating
Class 1 Low Risk	Zone 1	Fill/ embankment	2
		Cutting/ at grade	3
		Bored excavation	0
	Zone 2	Fill/ embankment	2
		Cutting/ at grade	0
		Bored excavation	0
	Zone 3	Fill/ embankment	3
		Cutting/ at grade	4
		Bored excavation	2
Class 2 Medium Risk	Zone 1	Fill/ embankment	2
		Cutting/ at grade	3
		Bored excavation	2
	Zone 2	Fill/ embankment	1
		Cutting/ at grade	2
		Bored excavation	1
	Zone 3	Fill/ embankment	4
		Cutting/ at grade	5
		Bored excavation	3
Class 3 High Risk	Zone 1	Fill/ embankment	3
		Cutting/ at grade	4
		Bored excavation	3
	Zone 2	Fill/ embankment	2
		Cutting/ at grade	3
		Bored excavation	2
	Zone 3	Fill/ embankment	3
		Cutting/ at grade	4
		Bored excavation	2