



# Awel y Môr Offshore Wind Farm

## Category 8: Other Documents

### Schedule of Monitoring

**Date:** April 2022

**Revision:** A

Application Reference: 8.12

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



REVISION	DATE	STATUS/ REASON FOR ISSUE	AUTHOR:	CHECKED BY:	APPROVED BY:
A	March 2022	ES	GoBe	RWE	RWE

[www.awelymor.cymru](http://www.awelymor.cymru)

RWE Renewables UK  
Swindon Limited

Windmill Hill Business Park  
Whitehill Way  
Swindon  
Wiltshire SN5 6PB  
T +44 (0)8456 720 090  
[www.rwe.com](http://www.rwe.com)

Registered office:  
RWE Renewables UK  
Swindon Limited  
Windmill Hill Business Park  
Whitehill Way  
Swindon

Onshore/ Offshore	Chapter where commitment has been made and/or Relevant Outline Plan	Monitoring type (simplified wording)	Secured through Planning Condition/Marine Licence	Monitoring Focus (outline)
Onshore	8.13.4 Soil Management Plan	Soil/Land Condition	Secured in DCO - Requirement 10	Prior to construction, a qualified land agent will be employed to ensure that information on existing agricultural management and soil/land conditions is obtained, recorded and verified by way of a detailed pre-construction condition survey. As part of the condition survey, and in addition to addressing matters relating to soils and other factors including existing crop regimes, the position and condition of field boundaries, existing drainage of the soil, existing access arrangements and private water supplies (as far as reasonable investigations allow), the type of agriculture taking place, the yield of crops and the quality of grazing land will also be recorded.
Onshore	8.13: Outline CoCP	Monitoring strategy for compliance and breaches	Secured in DCO - Requirement 10	As part of the ongoing process for ensuring that impacts due to the construction of the onshore works are minimised, a monitoring strategy will be established between the Applicant and Denbighshire County Council (DCC). Each contractor will be required to comply with the final CoCP and the Ecological Clerk of Works (ECOW) will be required to monitor compliance and report breaches.
Onshore	8.13.10: Outline Travel Plan	Car parking Management	Secured in DCO - Requirement 10	The demand and supply of the car parking area will also be monitored to identify any overspill of car parking throughout the day.
Onshore	8.13.10: Outline Travel Plan	Travel management	Secured in DCO - Requirement 10	All employees and visitors will be required to sign in and out at Temporary Construction Compounds (TCCs). This process will capture details of the total numbers of employees and the employees' method of travel in order to identify the number of light vehicle arrivals and the proportion of employees travelling by car alone.
Onshore	8.13.10: Outline Travel Plan	Travel monitoring reporting	Secured in DCO - Requirement 10	Vehicle movements will be collected and data will be available on request. The method of publishing and sharing the monitoring report will be agreed with DCC as part of the final Travel Plan. The monitoring report could include: Introduction and Background – this will provide detail with regards to the types of works being undertaken and number of construction workers; Results of Surveys and Monitoring – the Travel Plan Coordinator will collate the results of surveys and monitoring that have been undertaken. The results of the surveys undertaken will be compared to the defined targets Achievements – this will include the work undertaken over the previous period with evidence and examples; Specific Measures – this will detail how all measures from the Travel Plan have been implemented; Summary – detailing whether the Travel Plan is on track to meet its target and if not, why not; and Future Plan – this will detail the Travel Plan for the next period to include any specific outcomes or desired results with any additional measures that are to be included to remediate action.
Onshore	Volume 3, Chapter 9: Traffic and Transport and 8.13.8: Outline Construction Traffic Management Plan (CTMP)	Traffic compliance and monitoring	Secured in DCO - Requirement 10	The CTMP will provide details of how compliance with targets will be measured, monitored and reported upon.
Onshore	8.13.8: Outline CTMP	Strategic road network	Secured in DCO - Requirement 10	Monitoring of the CTMP will be undertaken by the Applicant and any necessary amendments would be made in consultation with DCC as the local highway authority and with North and Mid Wales Trunk Road Agency (NMWTRA) in terms of impacts upon the strategic road network.
Onshore	8.13.8: Outline CTMP	Traffic management meetings	Secured in DCO - Requirement 10	Regular meetings, where required, will be organised for monitoring purposes.
Onshore	8.13.8: Outline CTMP	Access tracks	Secured in DCO - Requirement 10	Access tracks will be monitored on a regular basis to identify any deterioration of the track condition.
Onshore	8.13.8: Outline CTMP	Dust control	Secured in DCO - Requirement 10	All routes will be monitored for dust and control or suppression methods will be deployed as appropriate through the use of dust suppression water bowsers.

Onshore/ Offshore	Chapter where commitment has been made and/or Relevant Outline Plan	Monitoring type (simplified wording)	Secured through Planning Condition/Marine Licence	Monitoring Focus (outline)
Onshore	8.13.8: Outline CTMP	Traffic control measures	Secured in DCO - Requirement 10	The CTMP will include details of measures such as; additional temporary signage to warn road users of heavy plant crossing the highway, additional temporary traffic calming measures for highway users at the crossing point, pedestrian arrangements at the crossing point, extent of road-sweeping activity in the vicinity of access point; and frequency of monitoring of highway condition.
Onshore	8.13.8: Outline CTMP	HGV vehicle tracking	Secured in DCO - Requirement 10	Data from Heavy Goods Vehicles (HGVs) that are fitted with monitoring devices (such as Global Positioning System (GPS) tracking) to record the routes, timing, speed of vehicles when making deliveries, will be available to assist in auditing and complaint investigation.
Onshore	8.13.8: Outline CTMP	HGV vehicle tracking	Secured in DCO - Requirement 10	The registration numbers for all HGVs making deliveries would be recorded. Coupled with the HGV monitoring device data (where fitted) outlined above, this would allow a check of any reported breaches of the agreed delivery routes and undertake enforcement action if required.
Onshore	8.13.8: Outline CTMP	Checking and corrective monitoring	Secured in DCO - Requirement 10	Each contractor will be responsible for establishing a programme of monitoring.
Onshore	8.13.8: Outline CTMP	Compliance/ Incident log	Secured in DCO - Requirement 10	The procedure for addressing non-compliance and ensuring that corrective actions are undertaken includes the use of a log to record details of any traffic-related incident/ identified deficiencies as result of monitoring and valid complaint and any necessary actions taken in response.
Onshore	8.13.7: Outline Pollution Prevention and Emergency Incident Response Plan (PPEIRP)	Drilling fluid	Secured in DCO - Requirement 10	Monitoring of drilling fluid properties (i.e. mud weight, viscosity, gel strength, volume and pressure) during drilling to prevent frac-outs.
Onshore	8.13.7: Outline PPEIRP	General mitigation monitoring	Secured in DCO - Requirement 10	To ensure all mitigation measures put in place are maintained and continue to be effective, monitoring will be carried out. To ensure compliance of the works with this outline PPEIRP.
Onshore	8.13.7: Outline PPEIRP	Plant inspection	Secured in DCO - Requirement 10	Records will be kept for all initial, final and routine monitoring inspections of all mechanical plant and working construction areas, as well as ecological and environmental issues. These records will be stored in an agreed location on site and be available for internal and external monitoring as required.
Onshore	8.13.6: Outline Site Waste Management Plan (SWMP)	Site inspection	Secured in DCO - Requirement 10	Site supervisory personnel for individual contractor and subcontractors shall monitor compliance through routine site inspections and will report any breach of this procedure to their appropriate manager.
Onshore	8.13.6: Outline SWMP	Waste quantity management	Secured in DCO - Requirement 10	Estimates of the quantities to be produced will be inserted into the detailed SWMP spreadsheet and data updated as the work progresses and information is available and performance against the estimates will be monitored.
Onshore	8.13.4 Soil Management Plan 8.13 COCP	Site inspection	Secured in DCO - Requirement 10	The Land Agent will undertake site inspections during construction to monitor working practices and ensure landowners' and farmers' reasonable requirements are fulfilled.
Onshore	8.13.6: Outline SWMP	Waste compliance	Secured in DCO - Requirement 10	An overall internal compliance audit will be undertaken routinely, at least once every three months, and a report generated for management record. The plan will be reviewed and updated as appropriate but at least once every six months to record details of the different types and quantities of wastes resulting from the onshore supporting works.
Onshore	8.13.6: Outline SWMP	Waste compliance	Secured in DCO - Requirement 10	The Principal Contractor is responsible for all waste generated under its control and will identify the persons responsible on site for managing the waste, identify the types of wastes to be generated, state how the wastes will be managed, record details of the waste contractors used and indicate the expected quantity of wastes to be generated. These details will be entered into a SWMP spreadsheet template (based on that developed by WRAP ), to record and report the various details of the site waste handling activities.

Onshore/ Offshore	Chapter where commitment has been made and/or Relevant Outline Plan	Monitoring type (simplified wording)	Secured through Planning Condition/Marine Licence	Monitoring Focus (outline)
Onshore	8.13.4: Outline Air Quality Management Plan (AQMP)	Site inspection	Secured in DCO - Requirement 10	Carry out regular site inspections by the contractor to monitor compliance with the DMP, record inspection results, and make inspection log available to DCC when asked. Increase the frequency of site inspections by the organisation accountable for air quality and dust issues on site when activities with a high potential to produce dust are being carried out and during prolonged dry or windy conditions.
Onshore	8.13.4: Outline AQMP	Dust monitoring	Secured in DCO - Requirement 10	Agree dust deposition, dust flux, or real-time Particulate Matter (PM) where particles are less than 10 micrometres in diameter (PM10) continuous monitoring locations with DCC, where appropriate. Where possible commence baseline monitoring before work commences onsite or before work on a phase commences. Further guidance is provided by the IAQM on monitoring during demolition, earthworks and construction (IAQM, 2018).
Onshore	8.13.4: Outline AQMP	Dust monitoring	Secured in DCO - Requirement 10	Undertake regular on-site and off-site inspection, where receptors (including roads) are nearby, to monitor dust, record inspection results, and make the log available to the local authority when asked. This should include regular dust soiling checks of surfaces such as street furniture, cars and windowsills within 100 m of construction works area, with cleaning to be provided if necessary.
Onshore	8.13.4: Outline AQMP	Site management	Secured in DCO - Requirement 10	Record all dust and air quality complaints, identify cause(s), take appropriate measures to reduce emissions in a timely manner, and record the measures taken. Make the complaints log available to the local authority when asked. Record any exceptional incidents that cause dust and/or air emissions, either on-site or off-site, and the action taken to resolve the situation in the log book.
Onshore	8.13.8: Outline CTMP	Pre and post construction surveys	Secured in DCO - Requirement 10	Prior to the start, and following completion, for each stage of the construction of onshore works, road condition surveys will be undertaken and agreed with the DCC. These surveys will record the condition of the roads prior to the works commencing and on completion and will be used to identify any rectification works required, as a direct result of the construction works.
Onshore	8.4 Outline Landscape and Ecology Monitoring (OLEMP)	Ecology	Secured in DCO Requirement 13	To enable ecological compliance monitoring, a simple form to establish whether the terms of the LEMP are being met shall be devised and included in the Final LEMP. Separate forms for EPSL compliance shall be included as part of the EPSL documents.
Onshore	8.4 OLEMP	Ecology	Secured in DCO Requirement 13	All habitats created as part of ecological compensation or enhancement, will be subject to monitoring to ensure that aims and objectives are met, as well as any conditions related to EPSL requirements. The full details of the monitoring necessary will be included in the Final LEMP.
Onshore	8.4 OLEMP	Ecology	Secured in DCO Requirement 13	Monitoring of the Substation mitigation/compensation/enhancement habitats will be undertaken in years 1-3 (to coincide with the aftercare and implementation period), further monitoring will be subject to agreement approval of the final LEMP and agreed management structure. GCN monitoring required as part of the EPSL is proposed to include population survey at new and retained ponds, and is proposed to follow the same schedule as for habitats. Bat monitoring required as part of the EPSL is proposed to include an internal check of all installed compensation bat boxes for signs of use, again following the timescale above.
Onshore	8.4 OLEMP	Ecology	Secured in DCO Requirement 13	Cable corridor and landfall monitoring shall be undertaken in years 1-3 (to coincide with the aftercare and implementation period). In all cases the monitoring shall be against defined aims and objectives which shall be included in the Final LEMP.
Onshore	8.13.3: Outline Noise and Vibration Management Plan	Site monitoring	Secured in DCO - Requirement 10	The mitigation measures will be monitored by the Applicant throughout the construction phase. If nonconformity with any of the mitigation measures is identified, it will be recorded during a site audit and appropriate remedial actions will be implemented.
Offshore	Offshore chapters	Geophysical	Captured within the Marine Licence principles document (application ref: 5.4.1)	Geophysical monitoring across the area in which construction takes place, with a suitable buffer to be determined in agreement with NRW post-consent. Geophysical monitoring will be used to determine the effectiveness of cable burial and cable protection.
Offshore	Offshore historic environment chapter (application ref: 6.2.8)	Archaeological	Captured within the Marine Licence principles document (application ref: 5.4.1)	Monitoring to ensure the effectiveness of Archaeological Exclusion Zones during and post-construction.

Onshore/ Offshore	Chapter where commitment has been made and/or Relevant Outline Plan	Monitoring type (simplified wording)	Secured through Planning Condition/Marine Licence	Monitoring Focus (outline)
Offshore	Offshore ecology chapters	Offshore Noise	Captured within the Marine Licence principles document (application ref: 5.4.1)	The noise generated from the first four piled foundations will be measured.



RWE Renewables UK  
Swindon Limited

Windmill Hill Business Park  
Whitehill Way  
Swindon  
Wiltshire SN5 6PB  
T +44 (0)8456 720 090  
[www.rwe.com](http://www.rwe.com)

Registered office:  
RWE Renewables UK  
Swindon Limited  
Windmill Hill Business Park  
Whitehill Way  
Swindon