eni uk	[Add Contractor Logo]	[Add Vendor logo]	Validity Status	Revision Number
				00
Company Document ID **10xxxxxxxxxxxxxx**	Contractor Document ID **N/A**	Vendor Document ID	Sheet of Sheets 1 / 42	

LIVERPOOL BAY CCS PROJECT

POINT OF AYR GAS PLANT
Point of Ayr Terminal

PoA Cable Route and Foreshore Works CEMP

Validity Status	Revision Number	Date	Description	Prepared by	Checked by	Approved by	Contractor Approved	Company Approved
	00	20/05/2025	DRAFT	A. Billington	L. Gherbi			

Revision Index

Company logo and business name eni uk		LCI Activity Code: Project code:	Company Document ID: **10xxxxxxxxxxxxxx**
Contractor logo and business name **[Add]**			Contractor Document ID: **N/A** Contract N.:
Vendor logo and business name **[Add]**			Vendor Document ID: **N/A** Purchase Order N.:
Facility & Sub Facility Description POINT OF AYR GAS PLANT Point of Ayr Terminal (General)	Project and SoW description LIVERPOOL BAY CCS WP2 HDD and Cable Installation	Scale N/A	Sheet of Sheets 1 / 42
Document Title PoA Cable Route and Foreshore Works CEMP			Supersedes N: Superseded by N:

REVISION LIST

00	DRAFT

HOLD RECORD

TABLE OF CONTENTS

TABLES

FIGURES

1.0 INTRODUCTION

1.1 Scope of Document

This document comprises the Construction Environmental Management Plan (CEMP) for the PoA cable route and foreshore works. These works comprise installation of a combined fibre optic and electrical cable from Warren Farm, under Gronant and Talacre Dunes, and across the intertidal area of Talacre Beach to the mean low water springs (MLWS) line. The cable will be installed under the dunes via a conduit that will be constructed using a trenchless method of horizontal directional drilling (HDD). Across Talacre Beach, the cable will be simultaneously laid and buried using either a cable trencher or plough, which both occupy and create a similar footprint.

These works are covered by three development consents, each of which requires the preparation of a CEMP. These development consents are as follows:

- Planning Permission **FUL/000246/23**, and the associated agreement entered under Section 106 of the Town & Country Planning Act 1990 (as amended), granted by Flintshire County Council (FCC) (see **Appendix A**).
- Planning Permission **[FUL/xxxxxx/25]**, under the Town & Country Planning Act 1990 (as amended), granted by FCC.
- Marine Licence **CML2365**, under the Marine and Coastal Access Act 2009 (as amended, granted by Natural Resources Wales (NRW) (see **Appendix B**).

This Draft CEMP sets out the site-specific control measures known at this phase of the development, which will be implemented by the Principal Contractor and, where relevant, its Subcontractors during the site enablement stage.

The Detailed CEMP will be submitted to Flintshire County Council to discharge Condition 8 from Planning Permission **FUL/000246/23** (see **Appendix A**), and Condition [xx] from Planning Permission **[FUL/xxxxxx/25]** (see **Appendix C**).

The Detailed CEMP will be also submitted to Natural Reources Wales to discharge Condition 3.24 from Marine Licence **CML2365** (see **Appendix B**).

1.2 Aim and Objectives

The aim of this CEMP is to ensure that the works outlined in this document do not result in unacceptable environmental effects. It will set out how the works will be managed to reduce, avoid and mitigate adverse effects In particular, the CEMP shall:

- Provide a mechanism for ensuring that measures to mitigate potentially adverse environmental effects are implemented;
- Provide assurance to third parties that their requirements with respect to environmental performance will be met; and
- Provide a framework for compliance auditing and inspection to enable the Project to be assured that its aims with respect to environmental performance are being met.

1.3 Statutory Guidance and Best Practice

A copy of this CEMP will be provided to each person working on behalf of the Principal Contractor. The Principal Contractor is required to maintain a copy of the CEMP at all work site offices for reference by the entire workforce. It must be accessible to all site personnel and representatives of the relevant enforcement

Authority, and all Subcontractors. All site works shall be undertaken in compliance with this CEMP and with all applicable legal and regulatory requirements. It is the full responsibility of all Principal Contractors to ensure that their works do not contravene legal requirements, and adherence to this CEMP alone cannot be a full defence regarding legal action against the Principal Contractor.

The Principal Contractor shall comply as necessary with the Construction (Design and Management) Regulations 2015 (CDM) and shall comply with all the applicable pollution control regulations in which case the Principal Contractor shall obtain and keep current any necessary consent, authorisation, approval or permission.

The Principal Contractor shall, where relevant, undertaken all site works in accordance with current guidance and best practice.

1.3.1 Environmental Management System

This document has been produced in accordance with principals outlined in BS EN ISO14001:2015. The Principal Contractor is expected to mirror the Company environmental values and standards including the promotion of these values and standards among their staff, Subcontractors and suppliers engaged on the works. The Principal Contractor appointed to the works can demonstrate to the principles of BS EN ISO 14001:2015 and has an Environmental Management System (EMS) certified to the standard.

2.0 DEFINITIONS AND ABBREVIATIONS

2.1 Definitions

Term	Definition
Company	The party that initiates the project and ultimately pays for its design and construction i.e. ENI UK Ltd will generally specify technical requirements. The term “COMPANY” also includes agents or consultants authorized to act for, and on behalf of, COMPANY.
Contract	An acceptance of legal relations between two or more parties for the transfer of goods or services for value.
Contractor	A person or organization that undertakes responsibility for the execution of a contract.
Subcontractor	Any person to whom performance of any part of the Works, including engineering works or supply of any Equipment, is subcontracted directly or indirectly by the Contractor and including Approved Subcontractors and legal successors or permitted assigns.
Supplier	The party (Manufacturer or Vendor) that manufactures or supplies equipment or services to perform the duties specified by the Company or Contractor
Shall	A mandatory provision
Should	An advisory provision

2.2 Abbreviations

CCS	Carbon Capture Storage
CDM	Construction (Design and Management) Regulations 2015
CEMP	Construction Environmental Management Plan
CO	Carbon Monoxide

CO_2	Carbon Dioxide
CoPA	Control of Pollution Act 1974
COSHH	Control of Substances Hazardous to Health
DAM	Development Advice Map
DCO	Development Consent Order
DESNZ	Department for Energy Security and Net Zero
DoWCoP	Development Industry Code of Practice
ECoW	Ecological Clerk of Works
EIA	Environmental Impact Assessment
EMS	Environmental Management System
ES	Environmental Statement
FAP	Flood Action Plan
GCN	Great Crested Newt
HSE	Health, Safety and Environment
HSEQ	Health, Safety, Environment and Quality
KPI	Key Performance Indicator
LBA	Liverpool Bay
LDP	Local Development Plan
LLFA	Lead Local Flood Authority
LPA	Local Planning Authority
MSA	Material Safeguarding Area
MMP	Materials Management Plan
NRW	Natural Resources Wales
NO_X	Nitrogen Oxides
NVMP	Noise and Vibration Management Plan
OTMP	Outline Traffic Management Plan
PPW	Planning Policy Wales
PRoW	Public Rights of Way
PM	Particulate Matter
PWMS	Precautionary Working Method Statement
RAMS	Risk Assessment and Method Statement
REAC	Register of Environmental Actions and Commitments
PoA	Point of Ayr
PPE	Personal Protective Equipment
RLB	Red Line Boundary
TCPA	Town and Country Planning Act
TCF	Temporary Construction Facilities
TOF	Temporary Operational Facilities
T&S	Transport and Storage
SAC	Special Area of Conservation
SeMP	Sediment Management Plan
SMP	Soil Management Plan
SOW	Scope of Works
SPA	Special Protection Area
SWMP	Surface Water Management Plan
SSSI	Site of Special Scientific Interest
VOC	Volatile Organic Compounds

WS	Wildlife Sites
WTP	Worker Travel Plan
WP	Work Package

3.0 REFERENCES

This CEMP makes reference to, and should be read in conjunction with the following documents:

3.1 Project Documents

[Ref 1]	TCPA – March 2023	T.4 Environmental Statement
[Ref 2]	TCPA – March 2023	T.5.3 Register of Environmental Actions and Commitments

3.2 International Codes and Standards

[Ref 3]	ISO 45001	Occupational health and safety management systems, Requirements with Guidance for Use
[Ref 4]	ISO 14001	Environmental Management Systems - Requirements with Guidance for Use

3.3 Legislation references

- Clean Neighbourhoods and Environment Act 2005
- Conservation of Habitats and Species Regulations 2017
- Construction (Design and Management) Regulations 2015
- Control of Asbestos Regulations 2012
- Control of Noise at Work Regulations 2005
- Control of Pollution (Oil Storage) (England) Regulations 2001
- Control of Pollution Act 1974
- Control of Substances Hazardous to Health (COSHH) Regulations 2002
- Control of Vibration at Work Regulations 2005
- Countryside and Rights of Way Act 2000
- Countryside and Rights of Way Act 2000
- Environment Act 1995
- Environmental Damage (Prevention and Remediation) Regulations 2015
- Environmental Permitting (England and Wales) Regulations 2016
- Environmental Protection Act 1990
- Floods and Water (Amendment, etc.) (EU Exit) Regulations 2019
- Hazardous Waste (England and Wales) Regulations 2005
- Local Biodiversity Action Plans (LBAPs)
- Noise and Statutory Nuisance Act 1993
- Noise Emission in the Environment by Equipment for Use Outdoors Regulations 2001 and (as amended) 2005.
- Personal Protective Equipment at Work Regulations 1992
- Planning (Listed Buildings and Conservation Areas) Act 1990
- The Town and Country Planning (Environmental Impact Assessment) Regulations 2017
- Town and Country Planning Act 1990
- Town and Country Planning Act 1990
- Waste (Circular Economy) (Amendment) Regulations 2020
- Waste (England and Wales) Regulations 2011
- Waste Batteries and Accumulators Regulations 2009

- Water Act 2014
- Water Industries Act 1991
- Water Resources Act 1991
- Weeds Act 1959
- Wildlife and Countryside Act 1981
- Wildlife and Countryside Act 1981 (Prohibition on Sale etc of Invasive Non-native Plants) (England) Order 2014

4.0 CONSTRUCTION ACTIVITIES AND PROGRAMME

4.1 Project Location and Description

The works comprise the installation of an underground section of Horizontal Directional Drilling (HDD) conduit under Gronant Dunes originating from the HDD Entry Pit (consented under **FUL/000246/23**), to a buried HDD Exit Pit at the Mean High Water Spring (MHWS) line, and burial of a combined electrical and fibre optic cable across Talacre Beach to the Mean Low Water Spring (MLWS) line.

The new underground cables will be installed broadly in a north-northwest direction from the HDD Entry Pit to the MLWS. The cables will be directly buried on Talacre Beach from the HDD Entry Pit to the MLWS and onwards to a new offshore platform in Liverpool Bay.

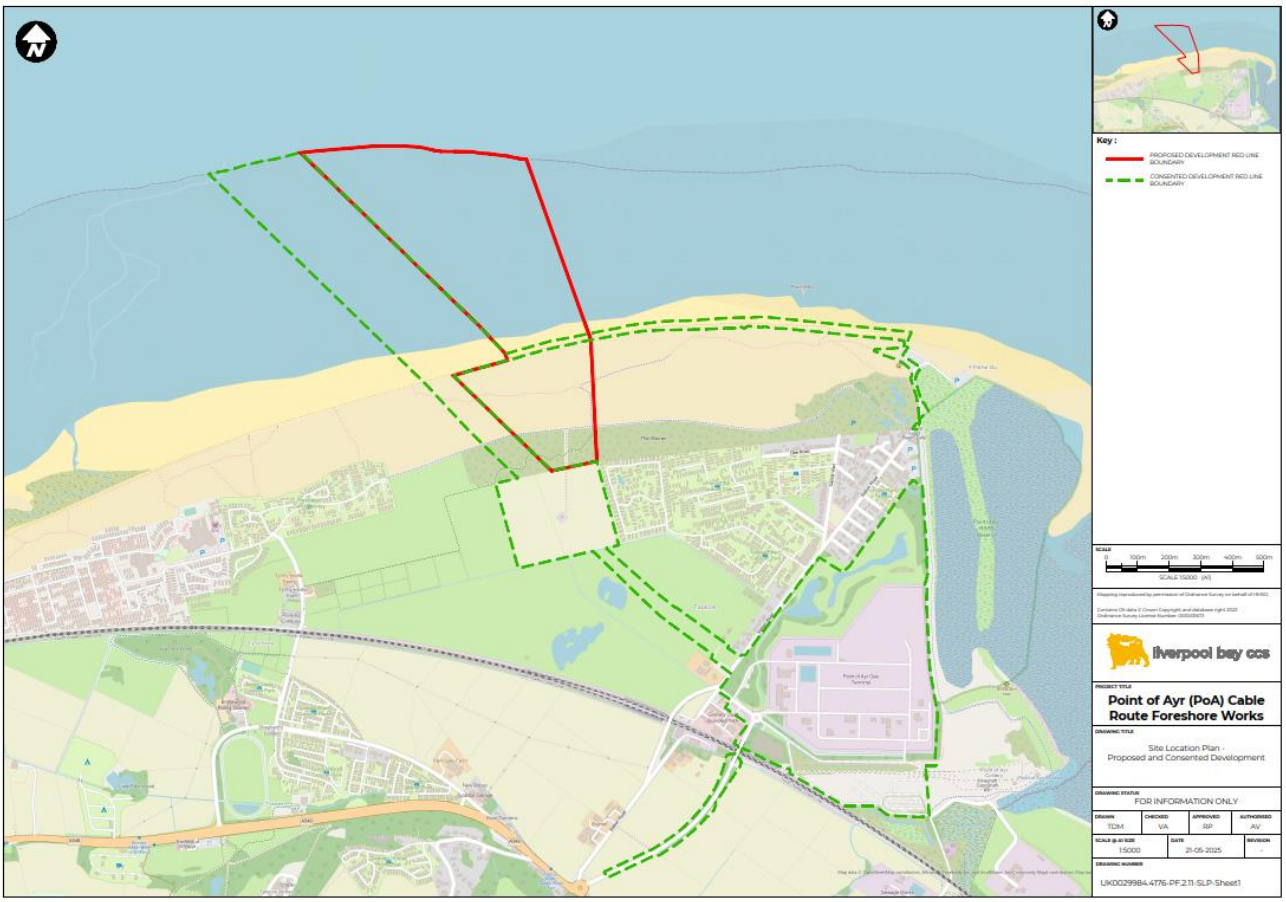


Figure 4.1 Site Location and Red Line Boundaries

4.2 Site Activities

The installation of the cables under the Gronant Dunes will utilise HDD equipment. This technique will be used to avoid causing disturbance to the ground surface, and disturbance to the ecologically sensitive dune system.The HDD process involves drilling a tunnel from an entry pit behind the dunes to an exit pit located just below the MHWS line.

Figure 4.2 provides an illustration of the HDD technique that will be adopted during construction.

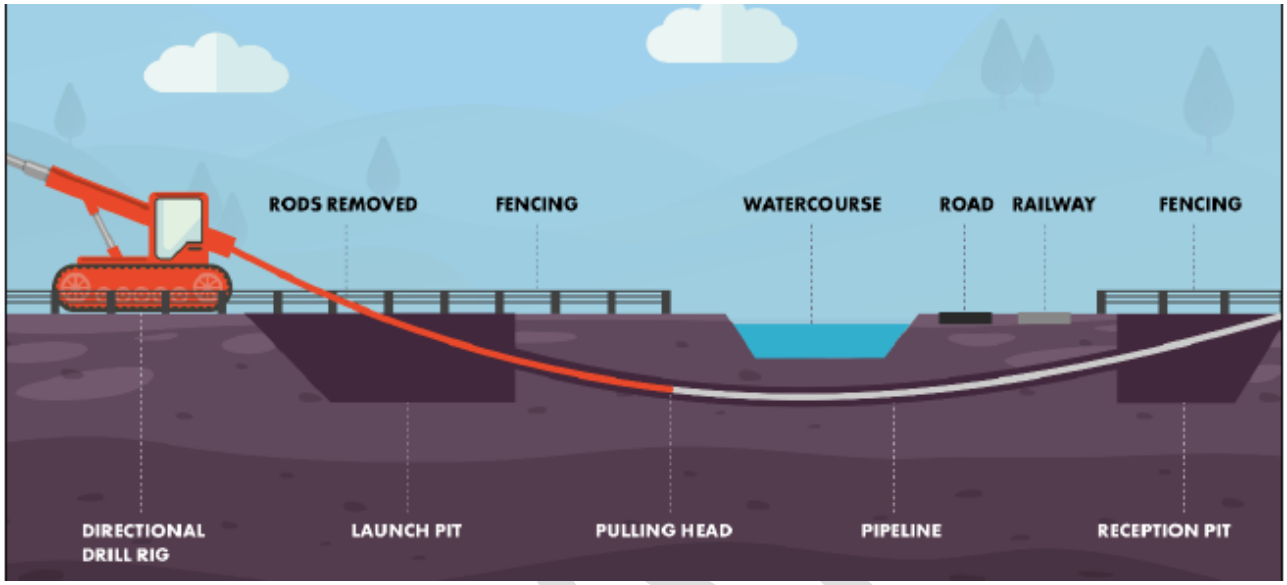


Figure 4.2: Illustration of HDD technique for cable installation

The exit pit for the Gronant dune system HDD on the intertidal side will be placed between 2-3m below ground level into the sand with temporary pumps and storage tanks sited close to the pit to contain any drilling fluid. As the pit will be at around the same depth as the proposed cable depth, and given experience with similar installations, it is not expected that any external cable protection will be required.

Access to the beach will be from the Talacre beach car park. Temporary matting will be placed to facilitate vehicle access within the Foreshore Area over the soft sand as necessary.

The method for the installation of the cables across the intertidal area, given the known geological conditions, is to use a plough or cable trencher to simultaneously lay and bury the cable as it moves along the cable route, as shown in **Figure 4.3**. This is achieved by the cable laying vessel beaching on the intertidal area at the MLWS line. The cables will then be pulled by excavators, and guided on rollers pre-installed on the beach, pegged at approximately 3m intervals.

The cable will then be attached to the HDD pulling equipment, located on the shoreward side of the dunes, and pulled to the HDD Exit Pit, and drawn through the HDD conduit under Gronant dunes to the HDD Entry Pit (consented under FUL/000246/23). Once the pull is complete, the cable laying vessel will use the plough to simultaneous lay and bury the cable across the intertidal area. **Figure 4.3** illustrates the typical plant and equipment for cable installation across inter-tidal similar to cables historically installed between Prestatyn and Rhyl.

Figure 4.3: Typical plant and equipment for cable installation across inter-tidal like the offshore wind farm cables historically installed between Prestatyn and Rhyl.

4.2.1 Temporary Construction Compound

A temporary localised construction compound for the foreshore cables has been consented under FUL/000246/23 and does not form part of the new TCPA. It will be in the Talacre Beach car park and be used to provide access to the intertidal works area, for parking vehicles, and for welfare trailers. Facilities for the storage of oils, fuels or chemicals will be arranged within the consented temporary localised construction compound and will be stored on impervious bases and surrounded by impervious bund wall and located away from watercourses or water bodies. There will not be any storage of construction materials / chemicals / fuel within the RLB or near to the Proposed Development in Gronant Dunes.

Access to the intertidal works will be from the Talacre Beach car park and along the base of the dunes via the route identified and consented by the RLB in **FUL/000246/23** and does not form part of the new TCPA application. **Figure 4.4** is included below to show the relationship with the PRoW.

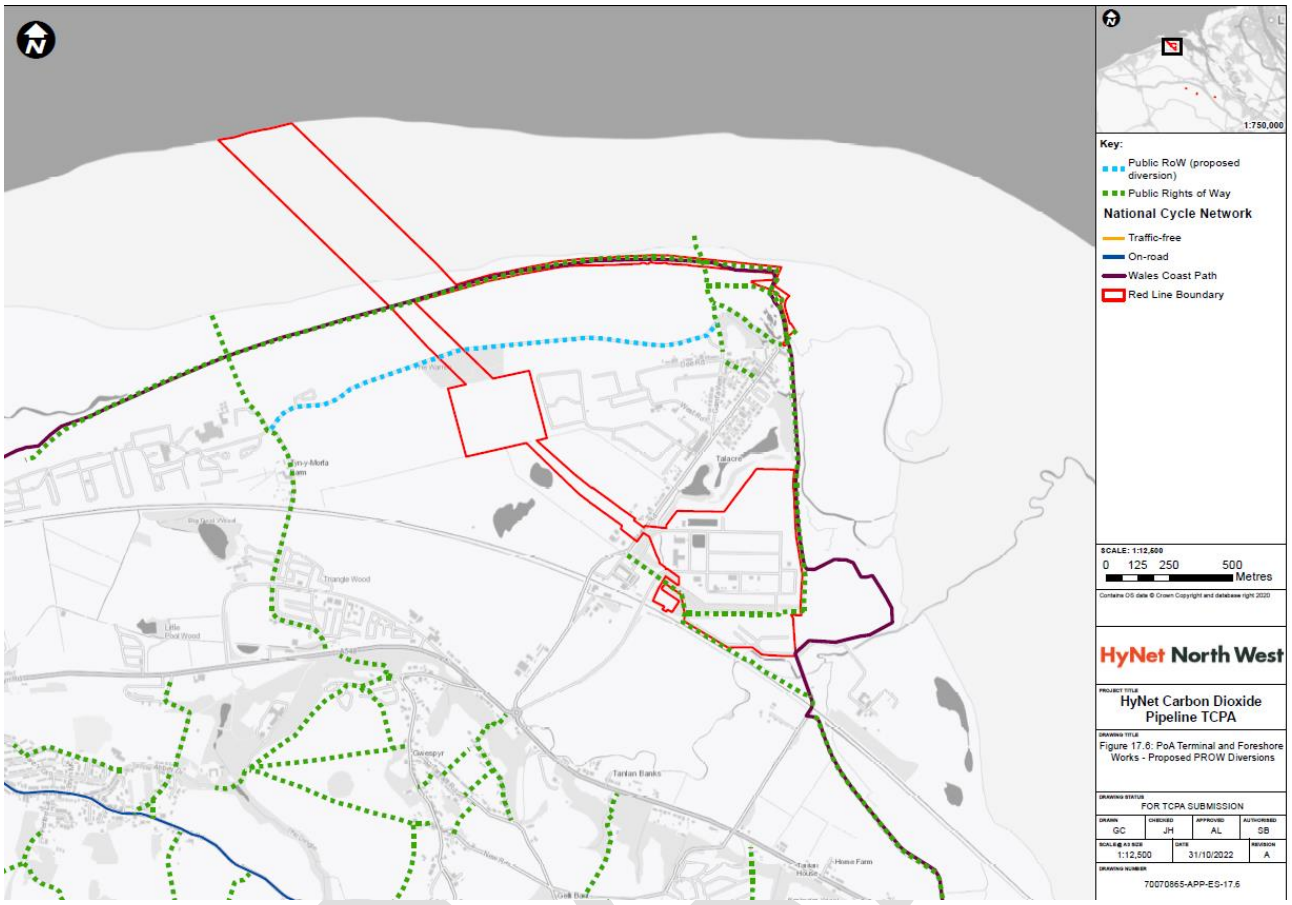


Figure 4.4: Public Rights of Way (PROW)

4.3 Construction Programme

The intertidal works would be carried out over an 8-week period. This is expected to be separated into two different periods: one for the Gronant dunes HDD works (estimated at around 4 weeks), and another for the cable pulls (estimated at around 4 weeks), during which certain locations will be closed off entirely to the public. Temporary diversions will be arranged across the dunes during this period for pedestrian use.

Figure 4.5, and **Figure 4.6** summarise the activities for the installation of the HDD Exit Pit on Talacre Beach and show that the programme is aiming to avoid the little tern breeding season by carrying out the HDD Conduit, and Exit Pit works during February and March 2026.

Figure 4.5 also shows the assumptions, and environmental considerations factored into the planning of the works. The anticipated duration of each activity required for the installation of the HDD Exit Pit are shown in Figure 5. Similar types and numbers of plant and equipment, as reported in the ES consented by NRW-ML CML2365, would be used to carry out these activities.

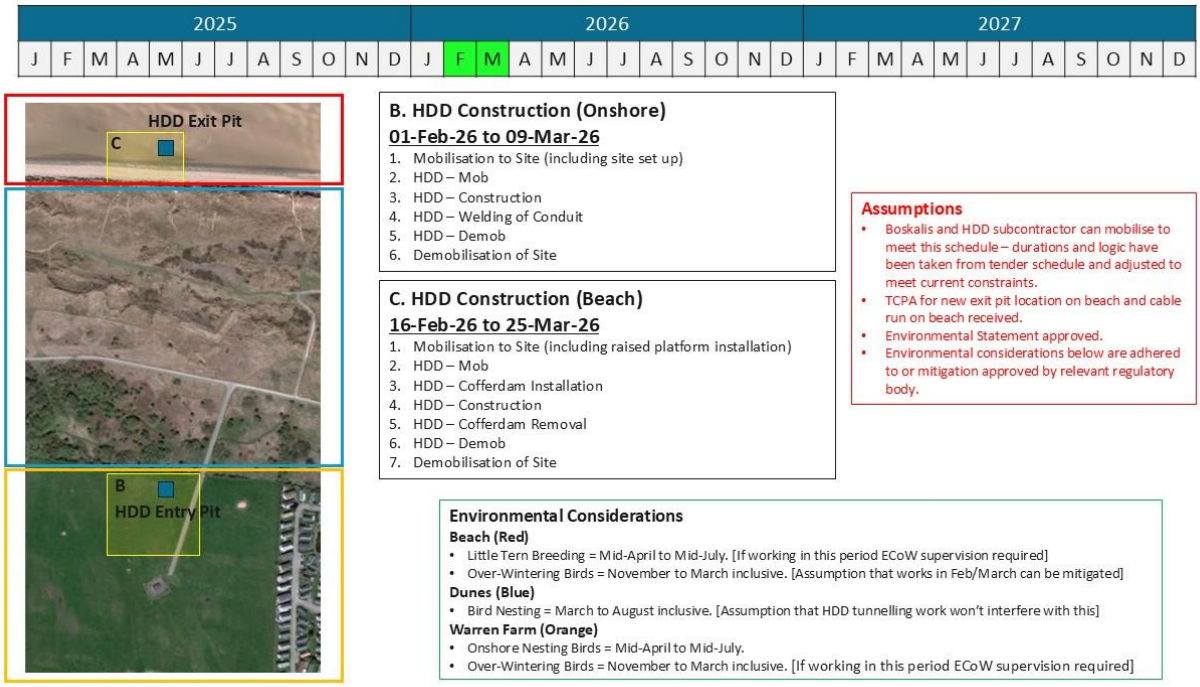
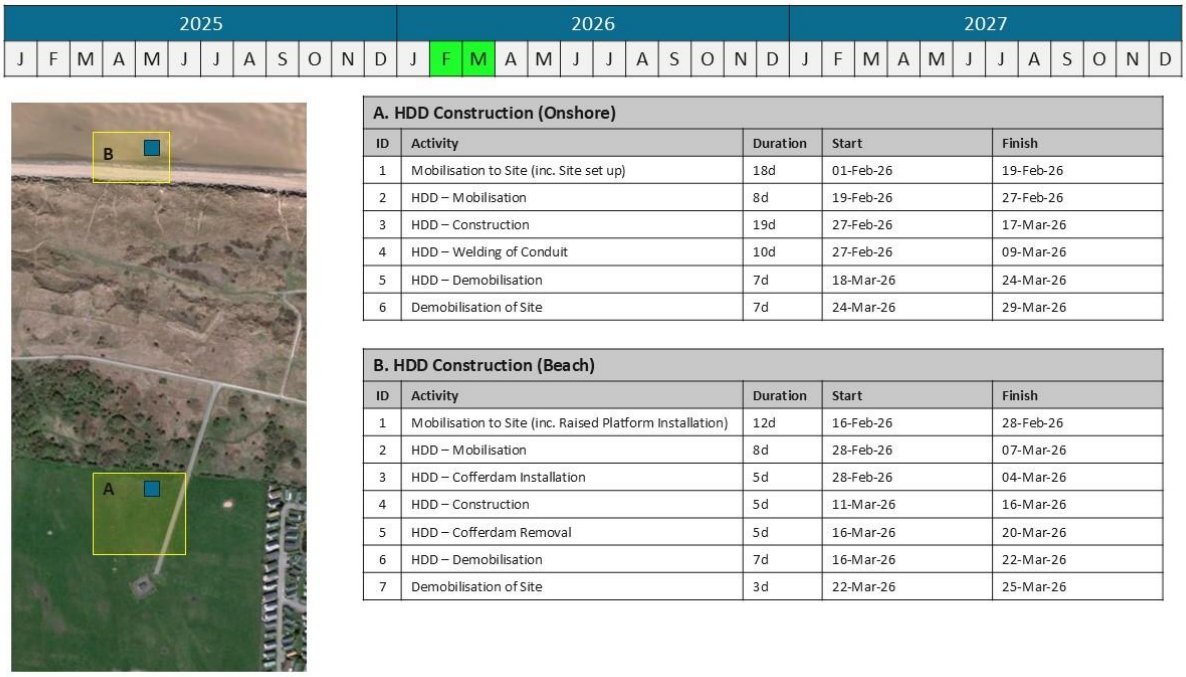


Figure 4.5: Indicative summary activities and programme for installation of HDD Exit Pit on Talacre Beach recognising environmental sensitivities



A. HDD Construction (Onshore)

ID	Activity	Duration	Start	Finish
1	Mobilisation to Site (inc. Site set up)	18d	01-Feb-26	19-Feb-26
2	HDD – Mobilisation	8d	19-Feb-26	27-Feb-26
3	HDD – Construction	19d	27-Feb-26	17-Mar-26
4	HDD – Welding of Conduit	10d	27-Feb-26	09-Mar-26
5	HDD – Demobilisation	7d	18-Mar-26	24-Mar-26
6	Demobilisation of Site	7d	24-Mar-26	29-Mar-26

B. HDD Construction (Beach)

ID	Activity	Duration	Start	Finish
1	Mobilisation to Site (inc. Raised Platform Installation)	12d	16-Feb-26	28-Feb-26
2	HDD – Mobilisation	8d	28-Feb-26	07-Mar-26
3	HDD – Cofferdam Installation	5d	28-Feb-26	04-Mar-26
4	HDD – Construction	5d	11-Mar-26	16-Mar-26
5	HDD – Cofferdam Removal	5d	16-Mar-26	20-Mar-26
6	HDD – Demobilisation	7d	16-Mar-26	22-Mar-26
7	Demobilisation of Site	3d	22-Mar-26	25-Mar-26

Figure 4.6: Indicative summary programme showing timing and duration of activities for installation of HDD Exit Pit on Talacre Beach

Figure 4.7, and **Figure 4.8** summarise the activities for the installation of the electrical cable on Talacre Beach and show that the indicative programme is seeking to carry out the activities towards the end of the little tern breeding season from early July 2026. **Figure 4.7** also shows the assumptions, and environmental considerations factored into the planning of the works.

The anticipated duration of each activity required for the cable installation works is shown in **Figure 4.8**. Similar types and numbers of plant and equipment, as reported in the consented ES by NRW-ML (CML2365), would be used to carry out these activities.

The Realigned Route makes for a simpler cable installation to that which would have been required for the original Preferred Route. This is because the cable shore pull and subsequent lay and burial of the cable, would be along a straight, rather than sinuous alignment, which can be carried out over a shorter timeframe. For the installation of the Realigned Route, the types and numbers of plant and equipment required to carry out the works would remain as reported in the consented ES by NRW-ML (CML2365).

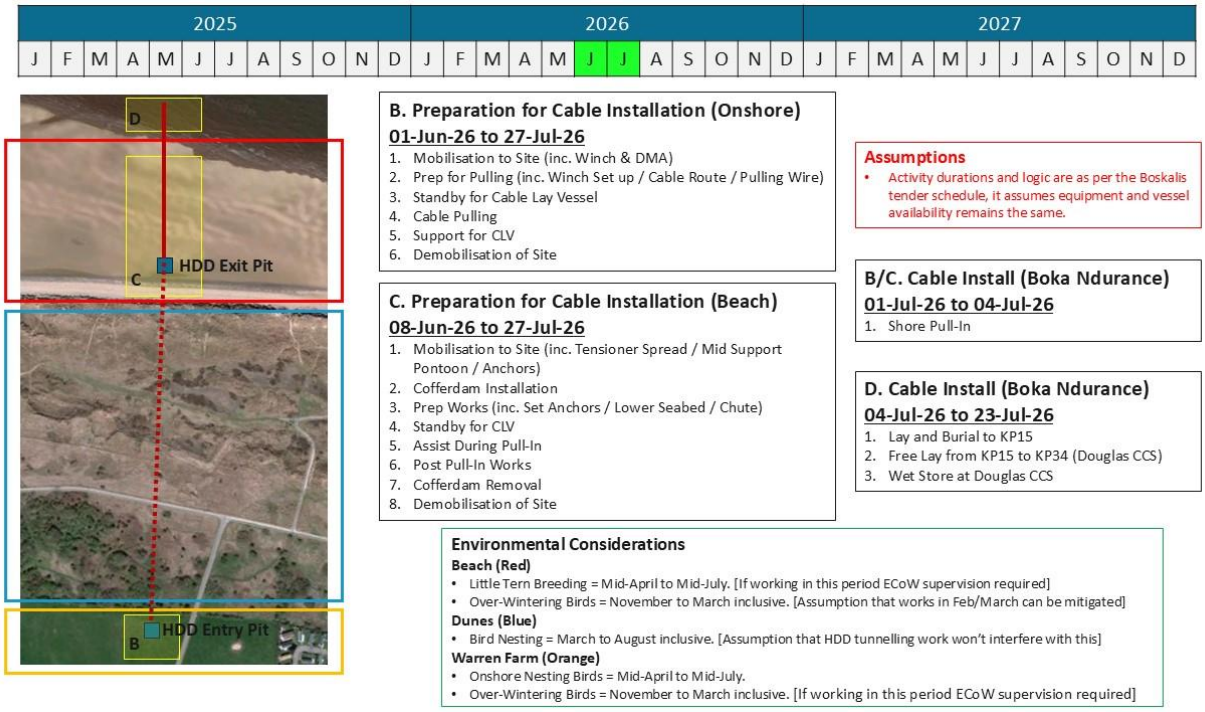
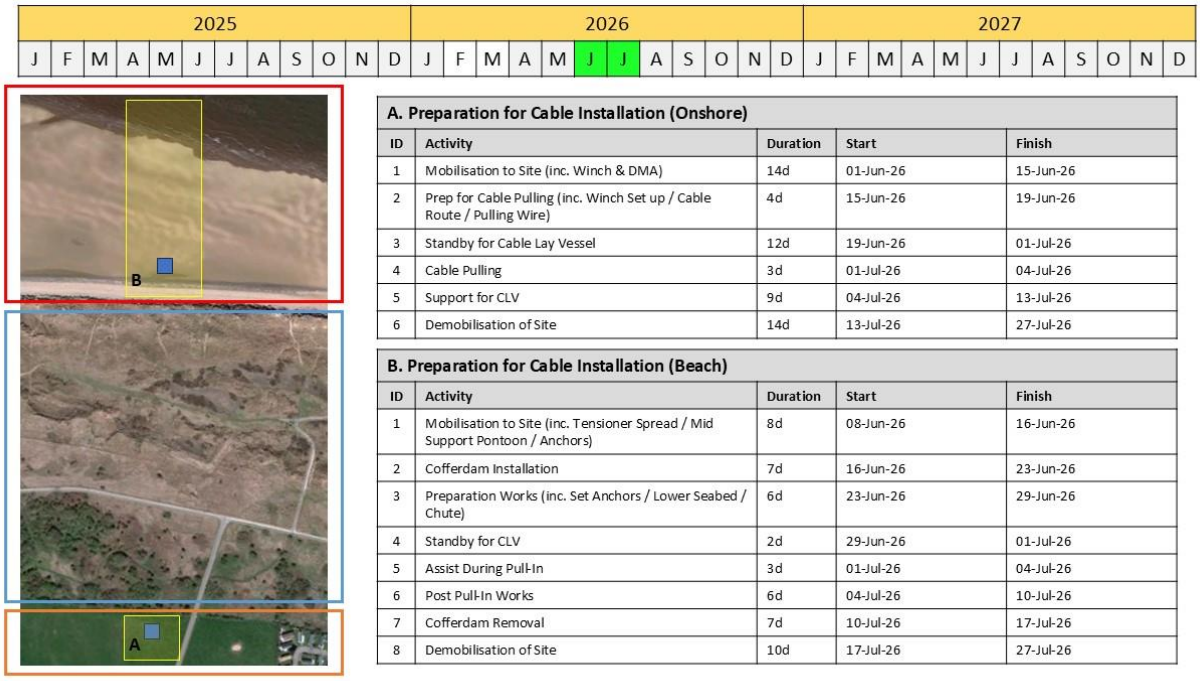


Figure 4.7 - Indicative summary activities and programme for preparatory works and installation of cable on Talacre Beach recognising environmental sensitivities



A. Preparation for Cable Installation (Onshore)

ID	Activity	Duration	Start	Finish
1	Mobilisation to Site (inc. Winch & DMA)	14d	01-Jun-26	15-Jun-26
2	Prep for Cable Pulling (inc. Winch Set up / Cable Route / Pulling Wire)	4d	15-Jun-26	19-Jun-26
3	Standby for Cable Lay Vessel	12d	19-Jun-26	01-Jul-26
4	Cable Pulling	3d	01-Jul-26	04-Jul-26
5	Support for CLV	9d	04-Jul-26	13-Jul-26
6	Demobilisation of Site	14d	13-Jul-26	27-Jul-26

B. Preparation for Cable Installation (Beach)

ID	Activity	Duration	Start	Finish
1	Mobilisation to Site (inc. Tensioner Spread / Mid Support Pontoon / Anchors)	8d	08-Jun-26	16-Jun-26
2	Cofferdam Installation	7d	16-Jun-26	23-Jun-26
3	Preparation Works (inc. Set Anchors / Lower Seabed / Chute)	6d	23-Jun-26	29-Jun-26
4	Standby for CLV	2d	29-Jun-26	01-Jul-26
5	Assist During Pull-In	3d	01-Jul-26	04-Jul-26
6	Post Pull-In Works	6d	04-Jul-26	10-Jul-26
7	Cofferdam Removal	7d	10-Jul-26	17-Jul-26
8	Demobilisation of Site	10d	17-Jul-26	27-Jul-26

Figure 4.8 - Indicative summary programme showing timing and duration of activities for installation of cable on Talacre Beach

A temporary fence will be erected to safeguard both the public and workforce and provide security of the works. This temporary fencing will be removed upon completion of the works. Traffic and access management including an Outline Construction Traffic Management Plan (CTMP) has been consented under **FUL/000246/23** and will be implemented for the execution of the HDD and cable installation works.

4.4 Working Hours

The normal hours of working (including access and egress) on any part of the development during the works will be:

- 08:00 to 18:00 hours Monday to Friday (excluding bank holidays).
- 08:00 to 13:00 hours on Saturdays.

The following controls will also apply to the works:

- No works, including site deliveries and collections, will take place on Sundays or Public Holidays.

It is anticipated that HDD conduit construction, and cable installation, will commence in February to April 2026. The revised timing of the HDD Exit Pit works has been scheduled for February 2026, which is outside of the Little Tern breeding season. The cable shore pull, and simultaneous lay and burial, by the cable laying vessel, are scheduled for July 2026 at the end of the Little Tern breeding season, close to their migratory departure. LBCCS will continue to work with its cable installation contractor to, as far as is reasonably practicable, sequence these works to occur either later in, or after, the breeding season.

To maximise productivity within these working hours, the Contractor / Subcontractors will require a period of up to one hour before and up to one hour after core working hours for the start-up and close-down of activities. This will include, but not be limited to, deliveries, movements to place of work, unloading, maintenance and

general preparation works. It will not include the operation of any plant or machinery likely to cause disturbance to local residents or businesses. These periods will not be considered an extension of the working hours.

5.0 GENERAL SITE ARRANGEMENTS

5.1 Site Set Up and Compound

The site set up works shall include the establishment of secure site access, works signage, dedicated laydown area(s) and construction compound. The compound shall be set up in accordance with the Client's Health Safety and Environment (HSE) policy and procedures if available. Full details can be obtained by reference to this CEMP, however, as a minimum this will include the display of:

- Site Information / Services Plan.
- Traffic Management Plan.

5.2 Fencing and Site Security

All work sites will be securely fenced or otherwise demarcated from public access. All fencing and hoarding will be suitable, taking into considerations, typically 'post-and-rope' fencing for arable land or appropriate stockproof fencing for grazed land. Urban sections or areas with increased levels of public interaction may use HERAS or similar. All temporary fencing will be removed upon completion of the works.

Physical screening of the working areas would only be employed where necessary in order to minimise visual disturbance to wintering birds.

5.3 Welfare Facilities

Welfare facilities will be made available at the Construction Compound. Welfare facilities may be shared between work sites where there is more than one compound in close proximity to minimise the construction footprint. The following welfare facilities will be provided on site:

- Separate Toilet for male and female – provided in all offices and mess hall buildings
- Washing Facilities - Showers and hand wash basins are provided
- Drinking Water – To be provided during execution at suitable locations (considered bottled drinking water or a water-maker to be supplied by catering Subcontractor)
- Changing rooms and Lockers – Provided for Contactor and Company personnels only within the office buildings.
- Rest Facilities: A dedicated room for resting is provided in the Contractor office. Additionally, in the Company office and TOF building, extra seating arrangements have been included in the pantry room.

For Subcontractor personnels, only mess hall seating facilities have been considered. All other facilities related to Subcontractor personnels should be managed independently by the Subcontractor.

5.4 Consents and Permits

Table 5.1 shows the licenses, consents, planning and permits applicable for this project. Copies of these will be retained on site.

Table 5.1 Consents and Permits

Licenses / Consents / Permits	Authority	Reference Number	Relevant Section (for conditions)	Responsibility
Town and Country Planning Permission	Flintshire County Council	[FUL/000000/25] & FUL/000246/23	TBC	LB CCS

Licenses / Consents / Permits	Authority	Reference Number	Relevant Section (for conditions)	Responsibility
Marine Licence	Natural Resources Wales	CML2365	TBC	LB CCS
Written notification of the date of commencement of any works on the site	Flintshire County Council Natural Resources Wales	[FUL/000000/25] & FUL/000246/23 CML2365	TBC	LB CCS
Written notification of the date of the material start of each phase of development	Flintshire County Council Natural Resources Wales.	TBC	TBC	LB CCS
F10 Notification ahead of Demolition		TBC	TBC	LB CCS
CEMP approval	Flintshire County Council Natural Resources Wales	[FUL/000000/25] & FUL/000246/23 CML2365	TBC	Principal Contractor / LB CCS
Biosecurity Risk Assessment and Method Statement	Flintshire County Council Natural Resources Wales	[FUL/000000/25] & FUL/000246/23 CML2365	TBC	Principal Contractor

6.0 ENVIRONMENTAL ASPECTS

The key environmental sensitivities are summarised in this section, with consideration as to how this may be affected by works described in **Section 4.0**, and **Section 5.0**.

6.1 Ecology

Ecological surveys were conducted as part of the TCPA application FUL/000246/23 during 2022. New and additional surveys for several notable species and habitats have been undertaken in 2024 and 2025, and the updated findings are sumarised in **Table 6.2**, and **Table 6.3**. A Biosecurity Risk Assessment and Method Statement will be submitted under the relevant Planning, and Licence Conditions.

6.1.1 Designated Sites

The desk study identified seven statutory nature conservation sites of international importance within 10km of the RLB for the PoA Terminal, as shown in **Table 6.1**.

Table 6.1 Statutory and Non-Statutory Designated Sites

Site	Designation	Distance from Site
Statutory Designated Sites		
Dee Estuary/Aber Afon Dyfrdwy	Site of Special Scientific Interest (SSSI)	Within RLB
The Dee Estuary	Special Protection Area (SPA) & Ramsar	Within RLB
Dee Estuary/Aber Dyfrdwy	Special Area of Conservation (SAC)	Within RLB
Gronant Dunes and Talacre Warren	SSSI	447m
Liverpool Bay/Bae Lepwl	SPA	0m
Dee West	Shelfish Protected Area	500m
NVZ ID: 135 (Groundwater)	NVZ	1,600m southwest
Non-Statutory Designated Sites		
Dee Estuary	RSBP Reserve	270m east

6.1.2 Other Habitats of Conservation Importance

A UK habitat classification survey identified the following habitats:

- Modified grassland
- Other neutral grassland
- Dense scrub and introduced shrub
- Other broadleaved woodland
- Ponds
- Hedgerows
- Ditches

Table 6.2 Summary of Habitats Present

Feature	Summary
Dense scrub and introduced shrub	To the south of the access track, the habitat consisted predominantly of dense scrub classified as h3h mixed scrub in UKHab and A2.1 dense/continuous scrub in Phase 1. There were also some more open patches, dominated by false oat-grass Arrhenatherum elatius between less dense scrub patches and towards the north-east of the mapped dense scrub area. The scrub consisted mostly of bramble Rubus fruticosus, with frequent sycamore Acer pseudoplatanus, hawthorn Crataegus monogyna and grey willow Salix cinerea. Some individual larger trees or small tree groups were also present and were recorded and condition assessed separately for use during NBB assessment. The habitat in this area comproses a mosaic of MG1 Arrhenatherum elatius grassland, W24 Rubus-Holcus undershrub, W2 Salix-Betula-Phragmites woodland and W6 Alnus-Urtica woodland.
Modified grassland	To the south of the dense scrub, there was a large, pasture field at Warren Farm, classified as g4 modified grassland in UKHab and B4 improved grassland in Phase 1. It is not within the Site but is within the Survey Area. The field was species-poor and dominated by perennial rye-grass Lolium perenne and white clover Trifolium repens, giving a close match to the NVC community MG7 Lolium perenne leys.
Dunes	The foredunes habitat type equates to UKHab s3a5 embryonic shifting dunes, Annex I embryonic shifting dunes (H2110) and NVC communities SD4 Elymus farctus ssp. boreali-atlanticus foredune community and SD5 Leymus arenarius mobile dune community. There is no separate classification to separate this habitat type from open dunes in Phase 1 methodology. Embryonic shifting dunes were recorded along the seaward edge of the dunes in 2021/22 (with small amounts of the NVC SD4 Elymus farctus ssp. boreali-atlanticus foredune community being present) but were absent in 2025 during the walkover. Kim Norman of ENI informed the surveyors that large sections of foredunes had collapsed during storms over the winter of 2024/25, which accounted for the absence

Feature	Summary
	of embryonic shifting dunes. The majority of habitat within the Survey Area was classified as s3a6 shifting dunes with marram (UKHab). This equates to H6.8 open dune in Phase 1 and constitutes the Annex I habitat; shifting dunes with marram (H2120). Within the shifting dunes with marram/open dunes there were three well-defined dune slacks in the eastern half of the Survey Area. These were classified as humid dune slacks s3a3 within UKHab and dune slack H6.4 in Phase 1. This habitat constitutes the Annex I habitat, humid dune slacks (H2190). The middle slack was partially enclosed by a post and wire fence around its northern section, whilst the southern section was un-fenced. Consequently, the vegetation coverage was far thicker in the fenced section, at the time of the walkover, with a thick carpet of pointed spear-moss Calliergonella cuspidata present within the fenced area. SD14 Salix repens-Campylium stellatum dune slack community and the SD16 Salix repens-Holcus lanatus dune slack community were recorded within the dune slacks. Areas dominated by pointed spear-moss would also seem to indicate an affinity with the SD15 Salix repens-Calliergon cuspidatum dune-slack community. A long, narrow strip of short grassland, which ran east to west across the middle of the shifting dunes with marram/open dunes and between two of the dune slacks was recorded during the walkover. This shorter grassland was dominated by red fescue Festuca rubra and was classified as s3a7 dune grassland in UKHab, which equates to H6.5 dune grassland in Phase 1 and comprises the Annex I habitat, dune grassland (H2130).
Species-poor intact hedge	There are several hedgerows around and on the Site. Most are along the boundaries or only just within the Site, though there is one just to the west of Station Road which cuts across the route. This hedge and others in that area are mostly heavily managed and species-poor with Hawthorn and Blackthorn being the most abundant species. There are also some non-native or only partly native hedgerows, most notably surrounding an abandoned car parking area to the south-east of the Site. Only two of the hedges on or very close to the Site were species-rich, both being short but relatively tall and wide, and both located just to the south-west of the terminal.
Intertidal habitat	Immediately to the north of the open dune/shifting dunes with marram, the Survey Area encompassed a strip of beach. This strip would be classified as t2d5 intertidal mudflats and sandflats in UKHab and as H1.1 intertidal mud/sand in Phase 1. This habitat constitutes Annex I intertidal mudflats and sandflats (H1140). The mud and sand habitat extends northwards towards the sea covering most of the intertidal area.

6.1.3 Protected and Notable Species

6.1.3.1 **Badgers**

Badger surveys were undertaken on August 27th and October 11th 2024 by a suitably qualified ecologist to provide updated baseline information. Seven badger setts were recorded during the two surveys. Badger bait marking will be undertaken in March / April 2025 to inform a licence submission, and outcomes of this will be included within an Ecological Management Plan.

6.1.3.2 **Bats**

A Preliminary Risk Assessment for bats has been undertaken, and identified a building with low potential for roosting. A dusk survey will be undertaken on this building in May 2025. If bats are found to be roosting then a licence will be needed.

6.1.3.3 **Summary of Baseline Species and Habitats**

Table 6.3 Summary of Baseline Species and Habitats

Species, Species Group or Habitat	Baseline Summary
Breeding and wintering birds	Habitats present such as the scattered trees, dense and scattered scrub, and plantation woodland, provide nesting and foraging opportunities for a variety of bird species. Ponds and wet ditches can also act as foraging/roosting and nesting places for waterfowl. Warren Farm remains a working

Species, Species Group or Habitat	Baseline Summary
	farm with a tenant farmer. Generally, the farm holds grazing cattle during the summer months and sheep during the winter, when the cattle are kept inside various sheds. The fields are designed to be seasonally flooded from September to March via an irrigation system installed when the gas pipeline was laid. The irrigation system was constructed as part of the mitigation works for the PoA gas terminal. As a result, new habitats have been created which, when flooded, are ideal for feeding and roosting waders and wildfowl. The two large, lined ponds are provided for waders and wildfowl throughout the winter period. Wildfowl species usually present include teal, wigeon, mallard, tufted duck, shoveler and pintail. Wader species include curlew, oystercatcher, redshank, lapwing and black-tailed godwit. The hedgerows surrounding the farm support foraging migratory thrush and passerine species such as redwing and fieldfare. The seven key species at Warren Farm are teal, mallard, oystercatcher, golden plover, curlew, lapwing and redshank. A further two species of increasing significance, black-tailed godwit and wigeon have also been included as key species in more recent years.
Badger	The scrub habitat present within the Proposed Development provides suitable foraging and sett building habitat for badger. Badgers are also known to build setts in sand dunes. Whilst no setts have been recorded within the Survey Area, the presence of badgers cannot be discounted.
Otter and water vole	There are no watercourses present within the Proposed Development Survey Area. However, the scrub and dune habitat provide suitable foraging and commuting habitat for otters. The presence of otters cannot be discounted due to the suitable watercourses in proximity of the Survey Area. There was no suitable habitat for water voles within the Proposed Development Survey Area.
Amphibians	Suitable terrestrial habitat was recorded within the RLB surrounding the Terminal, such as woodland and sense scrub, which could support foraging and sheltering Great Crested Newts (GCN).
Reptiles	Habitats within the PoA Terminal were considered sub-optimal. However, surrounding the Terminal areas of scrub and woodland within the RLB were assessed suitable to support reptiles, with rides and paths through the scrub/woodland, woodland edge habitat and scrub/grassland interfaces.
Invertebrates	The scattered scrub and hardstanding habitat to the south of the Terminal has the potential to support a variety of notable invertebrate species. The Dee Estuary SSSI is located partly within the RLB and is designated for the presence of the sandhill rustic moth.
Aquatic receptors	Three wet ditches and three ponds were recorded within the Red Line Boundary. Two ponds were within the Terminal and surrounded by buildings and hardstanding. The third was to the south within an area of previously developed land consisting of hardstanding and scattered scrub. The wet ditches were around the Terminal perimeter within the plantation woodland. A further two ponds and one ditch are present in the wider area. There is the potential for these waterbodies to support fish, macroinvertebrates and macrophytes. Sea lamprey Petromyzon marinus and river lamprey Lampetra fluviatilis are qualifying features for the designation of the Dee Estuary SAC, which lies within a small section of the PoA Terminal Red Line Boundary.

6.1.4 Invasive Non-Native Species

A Biosecurity Risk Assessment and Method Statement is being prepared and will submitted to Flintshire Council, and Natural Resources Wales, to discharge planning conditions.

6.2 Nuisance

6.2.1 Residents and Local Community

Given the location and nature of the project activities they may affect residential properties. The sensitivity of each receptor will depend their on location and proximity to the site and identified transport routes. Potential issues include:

- Mud on roads spread by construction traffic.

- Excessive or poorly directed light.
- Litter.
- Dust and fumes from vehicles and plant.
- Noise and vibration from vehicles and plant.
- Traffic disruption.
- Disruption to business.
- Reduction of access to amenity space.

Given the existing use of the PoA terminal, the project is not expected to cause a permanent nuisance. However, temporary nuisances during construction could occur ro the the following:

- Talacre Beach Resort and holiday homes.
- Silver Birch Caravan Park.
- Presthaven Beach Resort.
- Residents in Gwespyr Village, Flintshire.

Measures and mitigation for managing nuisances are detailed in **Section 7.2**.

6.2.2 Air Quality

Atmospheric emissions will depend on both the potential for emissions (the type of activity and prevailing conditions) and the effectiveness of control measures. Generally, two sources of emissions need to be controlled to minimise the potential for adverse environmental effects:

- Exhaust emissions from site plans, equipment and vehicles.
- Fugitive dust emissions from site activities.

6.2.2.1 **Exhaust emissions from site plans, equipment and vehicles**

The operation of vehicles and equipment powered by internal combustion engines results in the emission of exhaust gases, including nitrogen oxide (NOx), particulate matters (PM_{10}), volatile organic compounds (VOC), and carbon monoxide (CO). Emission levels depend on factors like engine type, service history, pattern of usage and fuel composition. While exhaust emissions will occur from site activities, they are not expected to be significant compared to emissions from vehicle movements on surrounding roads. Decommissiong phase traffic will include haulage and construction vehicles, as well as vehicles for workers' commutes.

6.2.2.2 **Fugitive dust emissions from site activities**

Fugitive dust emissions depend on the type and extent of activities, soil type, moisture levels, road surface conditions and weather. Dry weather combined with high winds can increase dust generation. Key activities that may produce dust on site include:

- Earth moving, due to the handling and storage of soil and subsoil materials.
- Movement of heavy site vehicles on dry surfaces.
- Movement of vehicles over surfaces where muddy materials have been transferred off-site (for example, onto public highways).

Measures and mitigation for managing air quality during construction are detailed in **Section 7.2.1**.

6.2.3 Lighting

Control measures and mitigation for managing lighting during the cable laying activities are detailed in S**ection 7.2.2.**

6.2.4 Noise and Vibration

Noise and vibration from the cable laying activities, including equipment and vehicular movements, have the potential for short-term impacts. To manage these, standard construction methodologies are to be employed to control noise and vibration in accordance with current legislation and standards including British Standard 5228-1:2009+A1:2014: 'Code of Practice for noise and vibration control on construction and open sites – Noise'.

The Control of Pollution Act 1974 (COPA 74) gives local authorities power for controlling noise and vibration from work-sites. If deemed necessary by the Local Planning Authority a Section 61 consent may be used to agree on methods, times, durations and noise levels with the client. A Section 61 prior consent would need to be used prior to work starting. The lead period for this to be determined is 28 days, meaning that any application to work outside of the permitted hours, shall be required giving at least 28 days' notice.

Control measures and mitigation for managing noise and vibration during construction are detailed in **Section 7.2.3**.

6.2.5 Traffic, Transport and Public Rights of Way

6.2.5.1 Public Rights of Way

Public Rights of Way (PRoW) include footpaths, bridleways, restricted byways, and byways open to all traffic that are expected to interact with the Proposed Development. The PRoW at the top of Talacre Beach along the base of the dunes will be impacted by cable laying the works on the beach. This PRoW will be signposted to identify a temporary diversion through Talacre Dunes for the periods when access would be restricted during cable laying activities.

Measures and mitigation for managing traffic, transport and public rights of way are detailed in **Section 7.2.5**.

6.3 Water Resources and Flood Risk

There are no records of past flood events within the area of works.

6.3.1 Flooding from groundwater sources

During the consultation process, the Local Lead Flood Authority (LLFA) advised that the groundwater table is likely to be high. The superficial deposits are composed of tidal and glacial deposits, consisting of a poorly sorted mixture of sandy silt, gravel, clays that coarsen with depth. These deposits are believed to be connected to the wider groundwater table. Groundwater levels at the site are likely influenced by variations in sea levels, though the surrounding landscape may limit the depth of the groundwater table.

6.4 Land and Soil

6.4.1 Coal Mining

There are no coal mining deposits or any contaminants associated with coal mining within the area of the Proposed Development. The former colliery os located 1.5-2.0 km away from the Proposed Development. All the adits and works went eastwards from the colliery, predominantly under the Dee Estuary away from the Proposed Development. There is over 40 m depth of Glacial, and Tidal Flat deposits underneath the Proposed Works with the mudstone deposits lying below these.

6.4.2 Hydrogeology

The superficial tidal flat deposits are classified as Unproductive Strata of low permeability that have negligible significance for water supply or river base flow. Superficial blown sand deposits area are classified as a Secondary A Aquifer, formed of permeable layers capable of supporting water supplies at local scale, and in some cases forming an important source of base flow to local watercourses. The underlying bedrock of the Lower and Middle Pennine Coal Measures are classified as Secondary A Aquifers (aquifer properties defined above). The area of works does not lie inside, or within 500m, of source protection zones (SPZs). The River Dee Estuary lies to the, and the Welsh Channel area of the Irish Sea to the north. Measures and mitigation for managing land and soils are detailed in **Section 7.3**.

7.0 ENVIRONMENTAL MANAGEMENT PROCEDURES

This section of the CEMP outlines the site-specific control measures identified. These measures will be implemented by the Principal Contractor, and where relevant, by its Subcontractors. Most of mitigation measures comes from national laws and Register of Environmental Actions and Commitments (REAC). Additional site-specific control measures for construction activities will be included in the future revisions of this CEMP, once the Contractor has finalised their method statement and schedule.

Environmental management measures have been developed to prevent, or where that is not possible, minimise the environmental impacts associated with the works. These measures shall be incorporated into the Risk Assessment and Method Statement (RAMS) prepared by the Principal Contractor, and all RAMS shall be communicated to the workforce.

7.1 Ecology

7.1.1 Birds

In accordance with T-BD-037 - Register of Environmental Actions and Commitments (REAC) (**FUL/000246/23**), if avoiding works completely during the overwintering period is not feasible, works would be avoided within a three-hour period either side of high tide each day to minimise the likelihood of disturbing any overwintering birds present nearby where practicable. The Contractor keeps a record of tide times as part of ongoing management and monitoring and this would be employed to help plan the works. In addition, physical screening of the working areas would be employed where considered necessary in order to minimise visual disturbance to wintering birds.

Where practicable, vegetation and site clearance works will be undertaken outside the bird nesting period, recognised as March to August inclusive, to avoid damage or destruction of nests. Where this is not possible, site clearance will be preceded by an inspection from an experienced ECoW within 24 hours of clearance works commencing to confirm the absence of active nests or nesting activity. If an active nest or activity is recorded, a minimum exclusion buffer of 5 m within which no works can take place will be implemented and remain in place until the nest is confirmed inactive or the nest fails.

7.1.2 Badgers

The HDD works in areas considered suitable for badger can continue under supervision of an ECoW. However, to avoid impacting a sett, works should be planned with liaison by a suitably qualified ecologist:

- Works will need to be planned: to ensure no impact on known badger setts.
- Low impact works can be undertaken following a precautionary working method statement (PWMS), provided that steps are detailed to not impact badger setts.

7.1.3 Bats

No tree felling will be required for the Works, which can continue under supervision of an ECoW. Control measures to avoid disturbance to bats include:

- Lighting shall be suitably designed to illuminate work areas only to a safe level, and avoid lighting woodland and hedgerows
- Site/vegetation clearance will be kept to a minimum, as far as practicable, to reduce impacts of habitat loss and fragmentation. Any tree pruning will need an oversight and check by an ECoW prior to ensure no features are removed.

7.1.4 Amphibians

In the event that GCN presence is confirmed at any stage, works must cease and the ECoW must be contacted for advice on how to proceed.

7.1.5 Mammals and Reptiles

Appropriate mitigation measures include:

- To ensure killing or injury of species such as common toad, common reptile and other mammals, is avoided during site clearance, a PWMS will be produced prior to the works, detailing how clearance works will be undertaken to minimise impacts.
- Clearance works will be directly supervised by an ECoW, who will provide a toolbox talk to site contractors prior to any works being carried out. If any common toads, common reptiles and other mammals are found during clearance, the ECoW will carefully move them to a safe location outside of the areas of works, or they will be allowed to move off of their own accord.

7.1.6 Invasive Non-Native Species

Invasive Non-Native Species (INNS) are present within the Red Line Boundary, although not within the areas where physical works will take place. Notwithstanding, a Biosecurity Method Statement will be implemented throughout. The Biosecurity Method Statement will detail the locations and extent of any INNS identified, alongside appropriate measures to control and prevent spread or propagation of INNS. High-level recommendations for the treatment and removal of INNS will be identified, and will include the following:

- Any invasive plant species recorded within the working areas will be demarcated and avoided during the works as far as feasible.
- Any plant, equipment or PPE that comes into contact with invasive plant material will be thoroughly cleaned before being removed from the working area.
- A toolbox talk will be provided to site contractors by a suitably qualified individual on the potential presence of these presence of these species and appropriate actions to be taken.

7.1.7 Habitats

Control measures to protect habitats include:

- Care should be afforded to dense stands of bramble or similar vegetation, which may be used by sheltering hedgehog or other wildlife, particularly during the winter months.
- Where woody vegetation are to be cleared, the material will, where practicable, be used to create hibernacula within appropriate retained habitats rather than being chipped. Locations will be identified by the appointed ECoW during the execution phase.

7.2 Nuisance

Mud, dust, noise, light, litter and water pollution must be minimised to prevent complaints or environmental degradation of the sorrounding area. The following processes and procedures shall be implemented to manage potential nuisance issues.

7.2.1 Air Quality

Best practice measures for controlling dust and mud on work-sites will include:

- Follow Control of Dust from Construction Sites (BRE DTi Feb 2003).
- Use dust barriers/fencing for significant dust-generating activities.
- Plan earthworks to minimize handling and traffic movements.
- Limit soil stripping and stockpiling; keep site roads clear of debris.
- Park all vehicles in designated areas.
- Reduce or postpone work if dust levels remain high despite controls.
- Use water to dampen dusty materials and maintain vehicles to prevent mud build-up.
- Manage washdown facilities to control contaminants.
- Locate machinery away from sensitive receptors when possible.
- Enclose operations likely to produce high dust levels.
- Use hoarding to contain dust and consider green/vegetated hoarding.
- Use hard-surfaced or damped-down haul routes, cover stockpiles, and reduce drop heights.
- Cover loads entering/leaving the site and use mechanical sweepers as needed.

7.2.2 Lighting

Best practice measures for reducing light pollution will include:

- Follow BS EN 12464-2:2014 for lighting of outdoor workplaces.
- Turn off lighting when not in use, unless needed for safety or security.
- Use inward-directed, horizontally-mounted lights to reduce glare.
- Install temporary lights with full cut-off or shielding to contain illumination.
- Adjust lighting after installation to minimise light spill and avoid shadows on footpaths.
- Direct lighting below the horizontal plane to reduce spillage.

7.2.3 Noise and Vibration

Best practice measures include:

- Follow BS 5228-1:2014 for noise and vibration control.
- Use quieter or electrically powered plant when possible.
- Use noise-compliant equipment and acoustic screens where required.
- Limit noisy activities to core working hours unless agreed with local authorities.
- Consider the impact of high-noise activities on nearby residents and limit such work to suitable times.

7.2.4 Residents and Local Community

Best practice measures to care and protect the local community include:

- Maintain good site house keeping to control litter, insects, and vermin.
- Keep skips in designated areas, cover waste containers, and properly store hazardous materials.

7.2.5 Traffic, Transport and Public Rights of Way

Best practice measures include:

- Follow BS 5489-1:2020 and BS 8442:2022 for temporary and permanent traffic controls.
- Promotion, management and control of such general provisions and measures for traffic management and control to be implemented by all contractors and sub-contractors throughout the extent and duration of the decommissioning.
- On-site provision for site access roads and pedestrian footways, with controlled access from the public domain for pedestrians and vehicles, on-site parking provisions, standing, lay-down and

unloading facilities for delivery vehicles, and on-site compound, welfare facilities and material holding areas for use by all contractors and sub-contractors.

- Ensuring that the on-site provisions are controlled, managed and shall be safe at all times through the provision of planned and informed procedures and segregation between vehicular and pedestrian traffic.

7.3 Soil and Land

The following best practice construction methods have the potential to reduce adverse impacts and have been included:

- Backfilling of earthworks and use of trenchless crossing technologies to reduce loss of site won material.
- Materials excavated for the Entry and Exit pits work will be stockpiled adjacent to the works and reused during backfilling of the trenches. Any topsoil or organic surface material will be stockpiled separately for re-use on completion of the works and revegetated as necessary.
- Temporary installation or upgrade of existing access tracks for the works will be set up to minimise disruption and local environmental impacts to Land and Soil. Options will include provision of bog matts (where wet soil conditions are anticipated) and compacted gravel tracks (where road-going vehicles or heavy traffic is anticipated).

7.4 Resource Use and Waste Management

The Principal Contractor will follow a waste hierarchy approach: eliminate, reduce, reuse, recycle, and dispose.

7.4.1 Fuel Storage and Refuelling

To reduce spills and leaks, fuel storage and refuelling will be managed as follows on site:

7.4.1.1 Fuel Storage and Refuelling

- Materials should never be stored on bare ground, always impermeable surfaces to be used.
- Materials should never be stored anywhere near to watercourses, soakaways or other sensitive areas.
- Plant nappies of suitable size must be placed under static plant & equipment at all times. Drip trays will be used in the event that plant nappies are not available.
- Regularly check the plant, equipment & vehicles for leaks. Arrange for leaking plant to be taken out of service and maintained.
- Use secondary containment systems with a 110% capacity.
- Keep spill kits available near fuel storage areas. If spill kits are utilized to contain a spill on site, the products will be replenished for future use.
- Refuel in designated areas away from water bodies.
- Supervise all fuel transfers and ensure appropriate protective measures are in place
- Where possible, refuelling should only be carried out in a designated area, which will be secured/locked out of hours.
- The refuelling area shall be located away from drains and watercourses (>10m from a watercourse and >50 meters from a spring, well or borehole).
- Areas of permanent waste oil/fuel/chemical storage will be located 50m away from watercourses or drainage paths. Where this is not possible, advice will be sought from the Field Environmental Manager, and a minimum distance will be agreed with the Client.
- Refuelling will always be supervised by a competent supervisor.
- Mobile plant must be refuelled away from surface waters, drains, permeable pavements and open excavations. A fuel drip tray must be used.

7.4.1.2 Use and Storage of Hazardous Materials/Substances

Any contaminated topsoil (if encountered) will be managed according to national and local regulations. The use and storage of solvents, cements, adhesives, grout and concrete shall be managed as follows during decommissioning:

- The Contractor is responsible for carrying out a risk assessment of each substance and ensuring that all appropriate storage, protective equipment and if necessary, emergency procedures are put in place on site.
- All hazardous materials shall be labelled, sealed and stored with their Control of Substances Hazardous to Health (COSHH) assessment in a bunded and lockable container away from drains and watercourses when not in use.
- COSHH datasheet will be read and understood before using any hazardous materials.
- Any spent (contaminated) spill kits, absorbent granules, sheets or fibres must be disposed of in accordance with COSHH regulations requirements.
- Hazardous liquids shall be transferred using a funnel and drip tray and sealed and returned to the container immediately after use. Damaged containers shall be reported to the Field Environmental Manager.
- All usages shall comply with its requirements.
- Hazardous liquids must be re-sealed after use. Empty containers are to be disposed of to the designated container within the waste compound.
- Construction workers are required to wear Personal Protective Equipment (PPE) such as gloves and face masks (where appropriate) to prevent dermal contact and inhalation or ingestion.

7.4.2 Waste Management

The development shall comply with the Waste Duty of Care Code of Practice. The Principal Contractor shall seek to promote the re-use of excavated materials through optimisation of cut and fill operations to improve the sustainable and cost-effective development of land, as per the Definition of Waste: Development Industry Code of Practice (DoWCoP). In many instances the DoWCoP can provide an alternative to Environmental Permits or Waste Exemptions when seeking to reuse excavated materials..

Control measures to follow for good, compliant waste management include:

- Set up waste collection areas with segregated containers for different waste types.
- Use licensed waste carriers and keep duty of care documentation on-site.
- Implement a Site Waste Management Plan and audit waste transfer records.
- Divert waste from landfills by recycling or reusing materials such as timber, metal, and concrete.
- Regularly update recycling progress and report any waste incidents.
- All waste incidents shall be reported immediately to the Construction Manager and Field Environmental Manager.
- Spoil and recycled aggregate transfers shall be carried out in accordance with an approved Materials Management Plan and all transfer tickets must be retained on site.

Table 7.1 Mitigation and monitoring commitments

Item	Mitigation and monitoring commitment	Responsible
1	Development of and adherence to a Construction Environmental Management Plan (CEMP) that will be prepared and implemented during the execution of the cable laying activity in the intertidal area. Measures will include implementation of containers to avoid spills from refuelling, any chemical storage in secure designated areas in line with appropriate regulations and guidelines, double skinning of pipes and takes containing hazardous	EPC Contractor

Item	Mitigation and monitoring commitment	Responsible
	substances, and storage of these substances in impenetrable bunds and therefore any pollution	
2	Actions to minimise INNS, including a biosecurity plan to limit spread and introduction of INNS. These measures will aim to manage and reduce the risk of potential introduction and spread of INNS so far as reasonably practicable to best protect the biological integrity of the local natural environment and communities.	EPC Contractor
3	Development of, and adherence, to a Construction Method Statement (CMS). This measure will confirm the accurate methodology, timing, and duration that will be employed to construct the Proposed Development, provide details on aspects of the methodology not known at this application stage and confirm that the methodology falls within the parameters assessed within the TCPA.	EPC Contractor
4	Measures to prevent dust and other emissions from construction affecting land beyond the footprint of the Proposed Development;	EPC Contractor
5	Excavations will be covered or securely fenced (with no potential access points beneath fencing) when the Site is closed (e.g. overnight) to prevent entrapment of animals;	EPC Contractor
6	Noise and vibration will be controlled and kept to the minimum necessary	EPC Contractor
7	Lighting used for construction will be switched-off when not in use and positioned so as not to spill on to adjacent land or retained vegetation within the Site.	EPC Contractor
8	Compliance of cable lay vessel (CLV) with international marine regulations as adopted by the Flag State, notably the International Regulations for Preventing Collisions at Sea (COLREGs) (IMO, 1972/78) and the International Convention for the Safety of Life at Sea (SOLAS) (IMO, 1974).	EPC Contractor
9	The Contractor will liaise with local ports and harbours, particularly the Port of Mostyn, during the construction phase. Maximises awareness of the Proposed Development through consultation and ensures project vessels are suitably managed. This to minimise any risk introduced by the presence of the vessel to pull up the cable in the intertidal area.	EPC Contractor
10	An archaeological watching brief, carried out under a WSI approved by the LPA's archaeological advisors, will be undertaken on the excavation of the HDD exit pit and a PAD will be in place prior to any trenching works within the intertidal zone. If any archaeological remains are encountered during construction, works should cease and consultation / advice with the archaeologist should be sought in line with the PAD. The Joint Casualty and Compassionate Centre (JCCC), part of the Defence Business Services (DBS) has confirmed that given the cable alignment is over 100m from the location of the crash sites, there would be no requirement to apply to them for a licence.	EPC Contractor
11	A Marine Licence consent was granted for the pre-construction Geotechnical and Geophysical investigation on Talacre Beach, FLINTSHIRE to execute the entry and the exit pits planned for the HDD activity.	EPC Contractor
12	Horizonal Directional Drilling (HDD) will be used under the sand dunes; minimising visibility and avoiding key landscape features.	EPC Contractor
13	Access for pedestrians along the foreshore will be maintained where possible and safe between Station Road and the dunes. Where this is not possible or safe, temporary diversions will be arranged for pedestrians.	EPC Contractor
14	Temporary mats will be laid down, where necessary, across the beach between Talacre beach car park and the HDD exit pit. This will be implemented to facilitate access across areas of soft sand, but it will also minimise damage or destruction of the existing habitats along the route. No access will be taken across the dunes. Access to the beach will be through an existing gap in the dunes at Talacre beach car park.	EPC Contractor
15	NRW licences conditions discharge need to be obtained in relation to certain species at any point during the works, depending on the outcome of the methdod statement developed by the contractor, depending on the significance of any species populations (little tern) to be affected. Exact requirements and timings of the monitoring will be determined by NRW when processing the relevant licence application(s). Only once licence/permit applications have been granted, and any initial licenced actions completed, can works commence. Licences and permits are likely to include, but are not limited to, derogation licences for protected species, permits for in-water works, etc.	EPC Contractor
16	To minimise the likelihood of significant impacts to breeding sand lizards, works likely to cause significant disturbance around the Talacre dune system (potentially resulting in failed breeding) will not be undertaken during the sand lizard breeding period (approximately April – September), as far as practicable. In addition, to ensure significant impacts to hibernating sand lizards are avoided, works likely to cause significant	EPC Contractor

Item	Mitigation and monitoring commitment	Responsible
	disturbance around the Talacre dune system must avoid the sand lizard hibernation period (approximately November – March, depending on weather and temperature), as far as practicable. If avoidance of significant disturbance during the breeding period is not feasible, it will be necessary to apply to NRW for an EPSL to legally permit any works likely to disturb sand lizards. It may be necessary to consult with NRW prior to application to help determine appropriate mitigation measures to be followed during the works. Such measures are likely to include noise and vibrational controls on any plant and equipment to be used, and minimising the duration of works, as far as feasible.	
17	To minimise the likelihood of significant impacts on terrestrial invertebrate species of conservation concern, details of dust mitigation and pollution prevention will be followed at all times during works around the Talacre dune system.	EPC Contractor
18	The HDD exit pit falls within the intertidal working area, adjacent to the embryonic shifting dune habitat. At the exit pit, a 10m3 containment sump will be present to contain any spillage of any drilling fluid. To further avoid potential contamination by drilling fluid, minimal use of a plant-friendly alternative to bentonite, which will be contained within the working area, will be used during HDD. Drilling mud will be cleaned up by hand using hand shovels, buckets, and soft- bristled brooms, minimising damage to existing vegetation. This will form part of wider pollution prevention measures, which will be detailed in the CEMP.	EPC Contractor
19	To reduce impacts on the Dee Estuary Ramsar and Natterjack Toads HDD will occur beneath the dunes, which will avoid habitat loss, direct disturbance or fragmentation. Although the Natterjack Toad is not expected to be affected by the HDD works. To ensure that significant indirect impacts to breeding Natterjack Toads are avoided, where practicable works likely to cause significant disturbance around Talacre dune system (potentially resulting in failed breeding) will not be undertaken during the Natterjack Toad breeding period (approximately April – July). If avoidance of significant disturbance during the breeding period is not feasible for any reason, it will be necessary to apply to NRW for a European Protected Species Licence (EPSL) to legally permit any works likely to disturb Natterjack Toads. It may be necessary to consult with NRW prior to application to help determine appropriate mitigation measures to be followed during the works. Such measures are likely to include noise and vibrational controls on any plant and equipment to be used, and minimise the duration of works, as far as feasible. Regardless of the requirement for an EPSL, appropriate pollution and dust controls (as outlined previously) will be implemented during works affecting Natterjack Toad habitat. These will be secured via the CEMP. Where Natterjack toad could be present within the PoA terminal, the ground will be hand-searched with an ECoW present.	EPC Contractor
20	An Unexploded Ordnance (UXO) assessment will be undertaken and will be used during the production of all risk assessments and method statements.	EPC Contractor
21	The public will be informed of the nature, timing and duration of particular construction activities and the duration of the construction works by newsletters and liaison with the Construction Contractor.	EPC Contractor
22	Clear signage and directions for PRoW diversions will be provided and clearly publicised to maintain access to PRoW network and the wider countryside. Signage to advertise businesses that are open and operating as normal could also be provided.	EPC Contractor
23	Community facilities will be consulted prior to construction where access arrangements will be directly affected.	EPC Contractor
24	Temporary screens around the boundary of the Proposed Development to reduce visual impacts to sensitive receptors and protect pedestrians from any dust generated.	EPC Contractor
25	Waste generated during the construction of the Proposed Development is anticipated to be minimal. Material excavated from the HDD exit pit will be used to backfill the pit upon completion of the works. The installation of the cable will be achieved through ploughing, a 'self-burial' method, which requires no excavation and therefore no generation of waste.	EPC Contractor
26	Construction waste will be managed and disposed of by the construction contractor(s), in accordance with the waste hierarchy and prevailing legislation. Excavated material will be re-used within the engineering works where possible, thereby minimising the amount of material that will need to be transported off site. Best practice measures will be identified by the contractor.	EPC Contractor
27	Creation and/or restoration and management of dune slacks to support natterjack toads.	LB CCS
28	Creation of areas which may be colonised by petalwort. Habitat management to include rejuvenation of dune slacks through the removal of vegetation and by scraping the ground around the edges of slacks, creating potential areas to be colonised. Management work could involve clearing scrub and creating small scrapes around/near known populations.	LB CCS

8.0 EMERGENCY PREPAREDNESS AND RESPONSE

8.1 Emergency Preparedness

8.1.1 Spill kits

Spill kits for hydrocarbon and chemical spills will be available at all worksites, with clear signage for easy identification. The site team shall ensure:

- Additional spill kits are located at construction compounds, fuel storage points, and COSHH stores.
- Each kit will include:
  - Absorbent pads.
  - Absorbent booms.
  - Absorbent granules.
  - Hazardous waste disposal sacks.
- Regular checks will ensure spill kits are fully stocked and ready for use.
- Spill drills will be conducted periodically to ensure the workforce can effectively handle spills.
- All drills will be documented, with records kept throughout the project.

8.1.2 Fire prevention

Means to raise the alarm in the event of a fire shall be available at the points of work. An assembly point shall be designated a safe distance from the active works locations and will be communicated to all members of the workforce before works commence. The workforce shall assemble at the point for a rollcall and to receive further instructions. All individuals at the worksite, including visitors, will be obliged to immediately sign in on arrival.

8.1.3 Extreme weather

The Principal Contractor's Site Manager shall register to receive Met Office weather warnings. All warnings issued by the Met Office with the potential to impact upon the works shall be communicated by the Construction Manager to the workforce in a timely manner so that measures can be implemented where necessary. In the absence of the Construction Manager the Field Environmental Manageror or equivalent person shall also receive and act upon all alerts.

8.2 Incident Reporting and Investigation

8.2.1 Reporting

All incidents, including near misses, shall be classified according to the categories outlined in Table 8.1. All categories of environmental incident shall be reported by the Principal Contractor to the client as outlined below.

Table 8.1 Reporting

Incident Classification	Definition
Near Miss	An event, controlled through implementation of an effective incident control measure (e.g. drip tray used, effective use of noise barrier).
Minor Environmental Incident	Incidents that have caused minor harm or damage to the environment e.g. • A minor fuel spill below 10 litres onto ground which is immediately cleared. • A minor spill of a chemical not classified as presenting an ecotoxic risk. • Exceeding noise levels. • Silt runoff from site which does not enter into a surface water feature; or

Incident Classification	Definition
	• Excess dust emissions.
Major Environmental Incident	Incident that have caused or may cause significant harm or damage to the environment e.g. • A minor fuel spill which impacts a sensitive land feature, a water, or drains. • A major fuel spillage or 10 litres. • Any spillage of a chemical which is classified as presenting an ecotoxic risk. • Silt runoff from site which enters a water feature. • Receipt of a nuisance complaint.

Minor incidents and near misses must be reported to the Company within 24 hours. Major incidents must be reported to the Project Manager as soon as reasonably practicable.

The contractor, after informing Company, shall report all environmental incidents that are required to be reported to National Resources Wales and/or to any other relevant statutory or regulatory bodies. Emergency contact details are outlined in Section 8.2.3 for all contacts relevant to the works.

8.2.2 Investigation

Reporting of an incident to the Project Manager shall, where necessary, commence the incident investigation which shall be jointly conducted between Company and its contactor[s].

The Principal Contractor shall prepare an investigation report for all environmental incidents. The report is to include:

- Summary of the environmental incident, describing the:
  - Nature of the incident.
  - Details of any pollutant released including the type and quantity of pollutant released.
  - Location for the incident (e.g. grid reference).
- Receptors that were or could have been impacted.
- An analysis of what led to the incident occurring.
- Summary of immediate actions taken to mitigate the incident.
- Summary of any remedial action required.
- Lessons learned and future measures or actions to be implemented.

Company will verify the incident investigation and agree with its contractors any further actions which are to be implemented to prevent a reoccurrence of comparable incidents. A timeline for the implementation of all actions shall be established and the contractors shall provide details of when they have been implemented.

An incident investigation shall be complete when all details have been recorded on file.

8.2.3 Emergency Contacts

In the event of an emergency occurrence at the Site, the Client and its contractors shall determine the relevant statutory and regulatory bodies that must be notified. Notification shall be in accordance with the measures outlined above in **Section 8.2.2**.

Table 8.2 Emergency Contacts

Emergency Contacts	
Contact	**Contact Details**
Client Site Manager – [Name/TBC]	TBC
Contractor Site Manager – TBC	TBC

Contractor Environmental Manager – TBC	TBC
National Resources Wales	0300 065 3000
Health and Safety Executive (HSE Construction)	01519 229 235
Local Authority – Flintshire County Council	01352 703020
Major Spill Emergency Response	TBC
Fire	999 / 112
Police	999 / 112
Ambulance	999 / 112

8.3 Incident Response

All pollution incidents should be managed through the STOP – CONTAIN – NOTIFY concept.
As soon as an incident is identified, the first action should be **STOP** and prevent further discharge to drainage/river/ground.

CONTAIN may constitute control of discharge in the event of a spill, or cessation of works if it is the works that are resulting in the incident, e.g. halting excavations until silt runoff is contained. It is recognised that due to personal health and safety risks it may not always be safe to stop the source of the spill, for instance if a significant volume of an unidentified substance has been released.

NOTIFICATION should take place as soon as practicable, and frequently can take place while further release is being stopped or while a spill is being contained. The emergency contact numbers outlined in Table 8.2 should be used.

Guidance on managing contaminants and limiting adverse effects is provided in the Oil Spill Containment Plan.

9.0 GENERAL ENVIRONMENTAL REQUIREMENTS

9.1 Roles, Responsibility and Authority

The Principal Contractor shall make available sufficient time and resource for the effective management of environmental risks that could arise during construction work. This includes appointing adequately qualified personnel with knowledge and capability in the environmental management of construction site works. Persons having responsibility for environmental site management, and in particular any persons required to undertake and oversee response to any incidents with potential environmental consequences, shall be empowered to make decision and take appropriate action necessary to avoid or mitigate adverse environmental effects, even when this may lead to delay and/or additional cost to the Principal Contractor.

9.1.1 Project Roles

The PoA team and all appointed contractors will be responsible for ensuring that the potential risks to the environment are adequately avoided or controlled by the application of measures as documented within this PoA Decommissioning CEMP, which shall be complained throughout decommissioning stage.

During the execution of the activities foreseen by the Project, the Contractor/Subcontractor:

- will carry out its activities in accordance with the applicable national legislation, its own and the Company's standards, the Environmental Statement (attached to the TCPA) and the Register of Enviornmental Actions and Comittments (REAC) and international best practices;

- will be responsible for the environmental impacts resulting from its activities and operations and for implementing all measures necessary to avoid or, if not possible, reduce and mitigate them, in accordance with Contractual requirements;
- will react promptly to accidental events for which it is responsible in order to mitigate the resulting impacts as much as possible;
- will implement this PoA Decommissioning CEMP and all identified mitigation and monitoring measures and operational control actions.

The most important Project Functions, responsible for development, implementation and monitoring of the PoA Decommissioning CEMP are identified and described in the following sections.

9.1.1.1 **Project Director / Project Manager**

The Project Director (PD) / Project Manager (PM) is responsible for ensuring that the Project is executed in a responsible manner that is protective of human health and environment.
The responsibilities of the PD / PM are as follows:

- supervise compliance with regulatory requirements and adherence to applicable standards and procedures to which the Contractor has committed to adhere;
- approve this document and ensures its application on Site with the support of the Project HSE Manager and the Project Environmental Manager;
- ensure the availability of adequate funds and human resources for the implementation of this document;
- define the Project strategies in relation to environmental protection measures, supervising the planning and scheduling of activities;
- support initiatives and awareness campaigns on environmental issues.

9.1.1.2 **Project HSE Manager**

The Project HSE Manager (PHSEM) manages and supervises the Project activities of competence related to health, safety and environment during the development of the Project, ensuring the correct application of the HSE Management System of the Contractor; its function includes:

- ensuring the review of the contractual documents of competence;
- controlling the activities related to the HSE aspects of the Project carried out by the various functions;
- ensuring the preparation of the Environmental Plans for the construction phase in accordance with the HSE objectives of the Project;
- ensuring the review of the Project documents on environmental matters, to verify compliance with the HSE Management System of the Contractor;
- coordinating the HSE audit activities for the Project;
- ensuring, in line with the contractual constraints and local legislation and coordinating with the other Project positions, the definition of the environmental requirements to be considered and applied in all phases of the work, subsequently verifying their implementation.

9.1.1.3 **Environmental Manager**

The Environmental Manager (EM) shall:

- ensure that the Project activities comply with the requirements of environmental legislation;
- provide guidance to the Environmental Team and the Project on environmental management;
- be overall responsible for the implementation and monitoring of the environmental program;
- monitor the implementation of the environmental management requirements as described in this Plan;

- ensure support to the PM in relations with the Client and with the relevant environmental bodies;
- report environmental incidents to the Client and implement corrective actions of the PoA Decommissioning CEMP when necessary;
- be responsible for ensuring that the PoA Decommissioning CEMP is developed in a timely manner and in accordance with applicable national legislation, current authorizations and international best practices;
- ensure that adequate knowledge is provided to all workers and interested parties regarding the contents of this Plan;
- ensure that adequate training on the contents of this procedure are identified, developed and provided;
- ensure that any corrective actions are correctly identified and implemented;
- identify and develop specific environmental campaigns to raise awareness of environmental issues;
- develop environmental incident management procedures and spill response plans to ensure a rapid and effective response in the event of an environmental incident.

9.1.1.4 **Construction Manager**

With the support of PHSEM and EM, the Cnstruction Manager (CM) is responsible for:

- ensuring that the planning and programming of the Project take into account the environmental management aspects, coordinating to this end with the other organizations and functions involved in the implementation of the Project and ensuring the most appropriate solutions;
- ensuring the coordination of the environmental management activities with the other Project plans and programs, the Construction Plans, defining the construction methods, logistics, activity programming, tools and control methods;
- participating, as far as it is competent and in conjunction with PHSEM, in the development, updating and adjustment (if necessary) of the PoA Decommissioning CEMP.

9.1.1.5 **Field HSE Manager**

In collaboration with CM, Project HSE Manager and Field EM, the Field HSE Manager (FHSEM) has the following responsibilities:

- ensure adequate resources and facilities provided at Site for HSE management in compliance with national legislation and international standards;
- provide training and awareness to all relevant workers to ensure proper implementation of the HSE management plans and procedures;
- monitor Site conditions to ensure that HSE mitigation measures are being implemented;
- monitor the correct implementation of HSE procedures on site;
- coordinate the HSE inspections and audits, ensure the follow-up actions.

9.1.1.6 **Field Environmental Manager**

The Filed EM's responsibilities include:

- ensuring compliance of the PoA Decommissioning CEMP with the requirements of the Contractor and the Company;
- verifying the implementation of the PoA Decommissioning CEMP for construction site activities;
- verifying the implementation of the requirements contained in the environmental permits;
- participating in accident investigations;
- planning and supervising the application of environmental procedures;
- updating and providing training on environmental issues;

- planning and carrying out environmental audits, checks and inspections;
- managing environmental reporting for the Contractor;
- developing and updating the PoA Decommissioning CEMP in relation to possible legislative changes or operational activities;
- ensuring that all personnel are aware of the environmental management strategy in the following Plan and comply with it;
- planning and carrying out environmental emergency response drills;
- participating in the analysis of the causes of any accidents and ensuring the collection of data;
- carrying out the analysis of environmental data and formulating the necessary improvement proposals;
- ensure control over the correct compilation of documentation in compliance with current legislation;
- keep all documents relating to environmental management archived, organized and available for reporting and auditing.

9.1.1.7 **Workers**

All personnel are responsible for their environmental performance during the Project.
As a minimum, personnel are expected to:

- comply with the requirements of applicable environmental legislation and environmental authorities, including the specific requirements of Project approvals and supporting documentation;
- be responsible for their environment and for fully complying with all plans, procedures and other work instructions applicable to their work activities;
- undertake activities in an environmentally responsible manner;
- undertake activities in accordance with agreed environmental management plans, procedures and working method statements;
- ensure they are aware of the identity of key persons relevant to environmental management on the site;
- report any non-compliance with the PoA Decommissioning CEMP, environmental management procedures or regulatory approval requirements where identified;
- report any incidents which have resulted in, or may potentially result in, environmental damage;
- ensure they attend any environmental training provided relevant to their role and responsibilities.

9.1.1.8 **Subcontractors**

All environmental requirements for which the Contractor is responsible fall to the Subcontractors, which shall carry out their activities in accordance with the regulatory provisions, this Plan and the ongoing environmental authorization process.

Each Subcontractors shall have an operational site structure (e.g. presence of a Field EM) adequate to guarantee complete and efficient control of the environmental aspects of the field and to carry out the necessary management and coordination activities for these issues.

Contractor will provide each Subcontractor with the copy of this document prior to start of their activities and organize additional trainings to all Subcontractors, if required. Subcontractors are responsible to Contractor for respecting the provisions of this document and are subject to Contractor’s supervision and audits. Subcontractors are responsible to provide Contractor with the data of their environmental performances.

9.2 Competence, Training and Awareness

The Principal Contractor shall ensure that appropriate awareness training is delivered to all site operatives and only appropriately qualified Subcontractors are appointed.

Every member of the workforce shall be required to participate in a site induction prior to starting work on the site. The level of induction training will depend upon the position and duties the person is to perform. The site induction will include:

- A brief overview of the works to be undertaken and any potential environmental aspects associated with the decommissioning activities.
- A summary of the sensitive environmental receptors near the site.
- An overview of the applicable environmental mitigation and pollution control measures.
- An overview of the health and safety management measures in particular emergency response procedures required at the site.

Company will require its Principal Contractor to provide continuing training and awareness raising of the workforce. This can be delivered in the form of Toolbox Talks tailored to the specific environmental mitigation measures required dependent on the work activities being undertaken and to raise awareness on environmental best practice.

Records of all inductions and Toolbox Talk deliveries shall be maintained at the site office. Copies shall be made available to the Company on request.

9.2.1 Internal Communication

The Principal Contractor's CM, Field EM or equivalent person and other relevant team members shall meet weekly to review the status of environmental aspects including but not limited to:

- Works activities underway and planned.
- Mitigation measures required to be implemented.
- Results of weekly inspections and any audit results/feedback.
- Any corrective and preventative actions required to be implemented.
- Identification of areas for continual improvement.
- Status of staff competence and training needs.
- Status of CEMP and of any required consent and approvals and the need for review and updating.

Company shall be informed of the outcome/minutes of all such meetings.

Additional and ongoing communication of environmental performance and requirements is to be determined by the Principal Contractor and provided as appropriate.

9.2.2 Notice Boards

The Contractor provides and maintains project environmental notice board(s) which are positioned to ensure all operatives are able to review the notice board a daily basis. The notice boards should be updated at least monthly. As a minimum, the notice boards shall contain:

- Clients Environmental Policy.
- Emergency contacts list.
- Relevant statutory and non-statutory advice and guidance.
- Description of the key environmental risks and intended risk mitigation measures.

These environmental notice boards will be situated in prominent positions including the main reception area of the site office.

9.2.3 Toolbox Talks

Toolbox Talks will be used to inform all site personnel of key information concerning the management of the site, procedures to be followed and expected standards / controls when working on the project. The Toolbox Talks will cover a broad range of topics including those related to best practice environmental management.

A record of Toolbox Talks will be kept on site, starting date, description of non-conformance, potential implications, proposed corrective actions, individual responsible and target data. Toolbox Talks shall include, but will not be limited to, instances where:

- There is a change to existing legislation, which requires an operation change.
- Site inspections or audits have identified corrective actions which require communicating.
- There are significant changes in environmental conditions i.e. heavy rainfall.

The frequency and topics of the Toolbox Talks shall depend upon the phase construction. They shall be provided as often as necessary to address site-specific environmental requirements.

9.2.4 External Communication

The Principal Contractor, with the Company's agreement, will notify local residents and relevant businesses of upcoming works at least two weeks before starting, typically via letter. A Liaison Officer may be appointed to handle inquiries and complaints, and a hotline or email may be provided during decommissioning stage.

All received complaints will be assessed and addressed promptly, aiming for same-day contact with the complainant. The CM or an equivalent person will be the contact for regulatory authorities, and any communications received will be reported to the Company immediately. A record of all communications will be maintained, with incident-related communications detailed in Section 8.2 of this CEMP.
The workforce will be informed during induction to direct any public inquiries to the CM, who will document these and inform the Company's Project Team.

9.3 Documentation

The Field EM shall be responsible for documenting and retaining safe all suitable records relating to environmental issues at the site and/or arising from site operations. Documents shall be stored in a suitable manner and backups created to safeguard the records. The CEMP shall be controlled document and authorised latest version shall be signed and dated by the responsible person[s]. Other site data records and environmental management document would include, but not necessarily be limited to the following:

- Copies of relevant consents, permissions, or other approvals/ authorisations.
- Environmental data records including waste transfer notes/records of waste collection and treatment/ disposal.
- Records of any environmental incidents including actions taken and resolution.
- Records of all plant/equipment entering / leaving site together with any relevant compliance documentation (for instance in respect of noise or air pollutant emissions class).
- Copies of any enforcement notices or instructions issues by the local authority or statutory regulatory body.
- Record of any prosecutions pending or resolved, and any penalties enforced.
- Records of daily site inspections.
- Records of weekly/monthly audits and minutes of environmental team briefings.
- Records of staff training including site inductions and toolbox talks.

9.4 Monitoring

The Principal Contractor shall be responsible for managing environmental performance during all site works. This will be supported with a programme of monitoring, inspections and audits.

9.4.1 Daily Inspections

Daily inspections shall be undertaken by the Contractor and recorded as follows:

- Visual inspection of the site perimeter to check for dust deposition (evident as soiling and marking) on vegetation, cars and other objects.
- Visual inspection of the local haul roads to check their condition to ensure there is no build-up of dust or earth deposits liable to cause dust emissions as vehicles pass.
- Vehicles, equipment and plant inspections shall be completed to check the absence of damage or maintenance issues and that it is correctly functioning.
- Visual inspection of all acoustic barriers / screening to check they are present and in good condition.
- Visual inspection of waste containers and waste storage areas to verify wastes are being correctly segregated and to confirm the absence of mixing of hazardous and non-hazardous wastes.
- Visual inspection of all site areas to ensure there is no deposited or wind-blown litter.
- If a waste collection is made, a check shall be made of the Waste Transfer Note / Hazardous Waste Consignment Note provided for the collection.

On all days when potentially dust emitting activities are being conducted, the level of dust generation shall be kept under constant review. A record shall be added to the official site diary when such activities are conducted, the dust emission conditions observed and when necessary, the mitigation measures taken.

Any elements of the site management found to be in an unsatisfactory condition during the site inspection shall be addressed on the day. In the event it is not possible to address the matter on the day it is raised; a note of the reason why shall be made on the inspection record sheet.

9.4.2 Audits

Only suitably trained and competent staff will be authorised to perform environmental audits.

Audits (or at a suitable frequency to be determined by the nature / duration of the work) of the worksites and Contractors shall be undertaken by or on behalf of the Company. All aspects of the environmental management at the site shall be assessed against this PoA Decommissioning CEMP. The audit shall include checks of the site records including the daily inspection record sheets, vehicle arrival logs and waste disposal paperwork. All audits shall be documented; where audit actions are raised, close out of these actions shall be assessed at the following audit.

An audit of an Environmental Management Process will be undertaken by the EM throughout the Project duration and will typically cover the activities identified in the above chapters.

9.4.3 Non-Conformity and Corrective Action

Where the Company has a concern or raises an issue for resolution, or where potential issues are raised from an inspection or audit of the site/ operations, or by a regulatory authority, the Contractor shall investigate the root cause and any implications arising from the issue and shall if necessary following discussion with the Company implement measures to rectify the problem.

The Contractor shall monitor the effectiveness of the corrective action and report the outcome to the client and where relevant the regulatory authority. All documentation of the issue/ event and corrective action/ outcome shall be retained by the contractor.

9.4.4 Data Reporting

The Principal Contractor may be required to submit the Company all relevant data on the following (list non exhaustive):

- Energy usage (i.e. electricity meter readings and diesel generator fuel used/delivered to site).
- Water consumption (i.e. water meter readings or bowser water deliveries to site).
- Waste collections.
- Heavy Duty Vehicles entering/leaving site.

The Principal Contractor shall comply with any additional reporting requirements that may be introduced through the conditions of any agreements or permits.

9.5 Review and updates

A management review of the performance of the Environmental Management System will be undertaken yearly and will include the Company's PM and senior management (as a minimum this should include the PD, HSEQ Manager and senior corporate representative) key personnel including the Field Environmental Manager.

Matters such as staffing, training, matters arising from audits and inspections and performance against Key Performance Indicators (KPIs) will be discussed and where there is a shortfall in performance, actions shall be agreed to rectify this.
Certain aspects of the decommissioning work (TCFs installation included) for this Project may be subject to environmental permits, consents, authorisations and permissions.

APPENDIX A – PLANNING PERMISSION FUL/000246/23

FLINTSHIRE COUNTY COUNCIL
Planning, Environment & Economy
County Hall, Mold
Flintshire. CH7 6NF

CYNGOR SIR Y FFLINT
Cynllunio, Amgylchedd ac Economi
Neuadd y Sir, Yr Wyddgrug
Sir y Fflint. CH7 6NF

CERTIFICATE OF DECISION

Application Ref: FUL/000246/23

TOWN AND COUNTRY PLANNING ACT, 1990 (as amended)
TOWN AND COUNTRY PLANNING (DEVELOPMENT MANAGEMENT PROCEDURE) (WALES) ORDER, 2012

AGENT
Andrew Russell,
Axis PED Limited
Unit 11 Well House Barns
Chester Road
Bretton
Flintshire
CH4 0DH

APPLICANT
Martin Currie,
Liverpool Bay CCS Limited
Unit 10, ENI House
Bury Bridge Road
London
SW1W 8PZ

In pursuance of their powers under the above Acts and Order the County Council as Local Planning Authority **PERMITS**:

PROPOSAL: **Retention and use of existing structures, plant and ancillary development (including access roadway and landscaping) forming the Point of Ayr gas terminal for the transport of carbon dioxide and the demolition/removal of redundant structures at the terminal; construction and use of new infrastructure required for carbon dioxide service at the Point of Ayr gas terminal; retention and use of the existing 20 inch diameter gas pipeline, condensate pipes and associated cables from the Point of Ayr gas terminal to the Mean Low Water Spring mark for the transport of carbon dioxide and associated activities; removal of the Shut Down Valve compound associated with the existing 20 inch diameter gas pipeline from the Point of Ayr gas terminal to the Mean Low Water Spring mark and appropriate restoration/remediation; construction and use of two 33kV electricity and fibre optic connections from Point of Ayr gas terminal to the Mean Low Water Spring mark; and construction and use of two kiosks and associated fenced compounds located on the line of the proposed 33kV electricity and fibre optic connections.**

LOCATION: **Point of Ayr Terminal, Station Road, Talacre, CH8 9RD**

In accordance with the particulars and plans comprising your application received complete on 14 March 2023 subject to the attached conditions.

This planning permission should be read in conjunction with the planning obligation agreement entered into under the terms of the Town & Country Planning Act 1990 (as amended) Section 106 made on 1st day of May 2024 between:

- Flintshire County Council
- Eni UK Limited
- Dangerpoint Limited
- Liverpool Bay CCS Limited

CONDITIONS

1. The development hereby permitted shall be begun before the expiration of 5 years from the date of this permission. Written notification of the date of commencement of any works on the site deemed to begin the development shall be sent to the Local Planning Authority within seven days of such commencement.

   REASON: This condition is attached by virtue of Section 91(1) (b) of the Town and Country Planning Act, 1990 in the interests of amenity and in accordance with the applicant's proposed programme.

2. The operator shall notify the Local Planning Authority of the date of the material start of each phase of development in writing at least 5 working days prior to each phase. The phases of development shall comprise:
   i) Demolition ("Demolition" is defined as site clearance and the demolition/removal of redundant plant, machinery, services and buildings at the terminal and associated works.
   ii) Construction;
   iii) Operational ("Operational" is defined as the point when Carbon Dioxide is first received for offshore storage); and
   iv) Decommissioning and Restoration.

REASON: To remain informed and manage the development effectively in accordance with the planning application, flood risk management, green wedge policy, protection of sites of biodiversity importance and in the interests of amenity. To comply with Policy STR3, STR4, EN4, EN6, EN11, EN14, and PC2 of the Flintshire Local Development Plan.

3. The operations hereby permitted shall cease at the site within 25 years from the date of the commencement of the Operational Phase or by 2053, whichever the earlier. The dates of final cessation of operations and completion of restoration in accordance with Condition 25 shall be notified in writing to the Local Planning Authority within one week of the said dates.

REASON: To restrict the period of operation in accordance with the planning application, flood risk management, green wedge policy, protection of sites of biodiversity importance and in the interests of amenity. To comply with Policy STR3, STR4, EN4, EN6, EN11, EN14, and PC2 of the Flintshire Local Development Plan.

4. Development at the site shall take place in accordance with the following plans and documents except where they are modified by the conditions on this decision notice.

The plans and documents comprising the Application are:
- Application Form
- Planning And Design & Access Statement (document Ref T.3.3) March 2023
- Environmental Statement (Volume 1): Non-Technical Summary
- Environmental Statement (Volume 2): Main Text
- Environmental Statement (Volume 3): Supporting Technical Appendices
- Environmental Statement (Volume 4): Supporting Figures and Plans
- 70070865-T.2.1-SLP-Sheet 1 Location Plan Sheet A
- 70070865-T.2.1-SLP-Sheet 2 Location Plan Sheet B
- 70070865-T.2.1-SLP-Sheet 3 Location Plan Sheet C
- 70070865-T.2.2-LAY-Sheet 1 Existing Site Plan
- 70070865-T.2.2-LAY-Sheet 2 Removed Items Layout
- 70070865-T.2.2-LAY-Sheet 3 Proposed Layout
- 70070865-T.2.2-EL-Sheet 1 Existing & Proposed Site Elevations
- 70070865-T.2.2-EL-Sheet 2 Removed Items Elevations
- 70070865-T.2.2-CX-Sheet 1 Proposed Cross-Sectional Elevations
- 70070865-T.2.2-LAY-Sheet 4 PoA Landscape Layout
- 70070865-T.2.3-LAY-Sheet 1 Existing Foreshore Works Site Plan - Sheet A
- 70070865-T.2.3-LAY-Sheet 2 Existing Foreshore Works Site Plan - Sheet B
- 70070865-T.2.3-LAY-Sheet 3 Existing Foreshore Works Site Plan - Sheet C
- 70070865-T.2.3-LAY-Sheet 4 Existing Foreshore Works Site Plan - Sheet D
- 70070865-T.2.3-LAY-Sheet 5 Existing Foreshore Works Site Plan - Sheet E
- 70070865-T.2.3-LAY-Sheet 6 Proposed Foreshore Works Site Plan - Sheet A
- 70070865-T.2.3-LAY-Sheet 7 Proposed Foreshore Works Site Plan - Sheet B
- 70070865-T.2.3-LAY-Sheet 8 Proposed Foreshore Works Site Plan - Sheet C
- 70070865-T.2.3-LAY-Sheet 9 Proposed Foreshore Works Site Plan - Sheet D
- 70070865-T.2.3-LAY-Sheet 10 Proposed Foreshore Works Site Plan - Sheet E
- 70070865-T.2.3-EL-Sheet 1 Proposed Foreshore Works Indicative Cable Trench Cross Section
- 70070865-T.2.3-CX-Sheet 1 Point of Ayr Terminal Submarine Cable Junction Box Compound Plan and Elevations
- 70070865-T.2.3-LAY-Sheet 11 Foreshore Works Landscape Layout
- 70070865-T.2.6-LAY-Sheet 6 Indicative Plant Species

REASON: For the avoidance of doubt and to ensure that the development is carried out as approved, and to assist compliance monitoring. To comply with Policy STR3, STR4, EN2, EN4, EN6, EN7, EN11, EN14, EN15, EN18 and PC2 of the Flintshire Local Development Plan.

5. No development within the Demolition or Construction phases shall take place until a Construction Traffic Management Plan (CTMP) addressing that phase of the development has been submitted to and approved in writing by the Local Planning Authority in consultation with the Local Highway Authority.

   The approved CTMP shall be adhered to and implemented strictly in accordance with the approved details, unless otherwise agreed in writing by the Local Planning Authority.

   REASON: To ensure the formation of a safe and satisfactory means of access to the site in the interests of maintaining highway safety and the free and safe movement of pedestrians and traffic on the adjoining highway. To comply with Policy EN18, PC5 and PC2 of the Flintshire Local Development Plan.

6. Within 6 months of the commencement of the Operational Phase a Full Worker Travel Plan shall be submitted to and approved in writing by the Local Planning Authority.

   The approved Full Worker Travel Plan shall be adhered to and implemented strictly in accordance with the approved details, unless otherwise agreed in writing by the Local Planning Authority.

   REASON: To encourage the use of more sustainable forms of travel. To comply with Policy PC5, PC6 and PC2 of the Flintshire Local Development Plan.

7. No development within the Demolition or Construction phases shall take place until an updated Arboricultural Method Statement (AMS) for that phase of development has been submitted to and approved in writing by the Local Planning Authority. The AMS shall adopt a precautionary approach to tree protection and include:

   (a) arboricultural monitoring;
   (b) tree protection fencing; and
   (c) temporary hard surfaces in RPAs.

   The approved AMS shall be adhered to and implemented throughout the construction period strictly in accordance with the approved details, unless otherwise agreed in writing by the Local Planning Authority.

   REASON: In the interests of tree protection, flood risk management, wildlife conservation and biodiversity enhancement. To comply with Policy EN4, EN7, EN14, and PC2 of the Flintshire Local Development Plan.

8. No development within the Demolition or Construction phases shall commence until a construction environment management plan (CEMP) addressing that phase of the development has been submitted to and approved in writing by the Local Planning Authority. The CEMP shall refer to the submitted Register of Environmental Actions and Commitments (REAC document reference T.5.3) and the Outline Construction Management Plan (OCMP document reference T.5.1) and include, where relevant to that phase:

   - any site-specific method statements required;
   - corrective action and contingency plan procedures; management plans namely:
     • Demolition Management Plan;
     • Dust Management Plan;
     • Flood Action Plan;
     • Groundwater Management and Monitoring Plan;
     • Intertidal INNS Management Plan
     • Lighting Management Plan
     • Materials Management Plan;
     • Noise and Vibration Management Plan;
     • Sediment Management Plan;
     • Odour Management Plan
     • Soil Management Plan;
     • Stakeholder Communications Plan;
     • Surface Water Management and Monitoring Plan;
     • Terrestrial INNS Management Plan and
     • Worker Travel Plan.

   The CEMP shall include all ecological and landscaping recommendations set out in the submitted Environmental Statement relating to the Construction or Demolition phase being undertaken, providing a detailed programme of work and detailed specifications. It shall include:

   (a) risk assessment of potentially damaging activities;
   (b) a programme and methodology for any pre-demolition/pre-construction surveys required for protected species;
   (c) full details of ecological and landscape mitigation measures during demolition and construction phases, including method statements and conservation plans as required for protected and priority species, and for habitat protection;
   (d) summary information (including annotated plans and schedules) should be provided to give an overview of requirements as well as detailed timetables and method statements and specifications to be adhered to;
   (e) details of landscape and ecological compliance monitoring.

   The approved CEMP shall be adhered to and implemented throughout the construction period strictly in accordance with the approved details, unless otherwise agreed in writing by the Local Planning Authority.

9. Prior to the commencement of the Operational Phase a landscape and ecological management plan (LEMP) shall be submitted to and approved in writing by the Local Planning Authority. The LEMP shall include all ecological and landscaping recommendations set out in the submitted Environmental Statement relating to the area of the development hereby approved, providing a detailed phased programme of work and detailed specifications. It shall include:

   (a) full details of ecological and landscape mitigation measures during the operational stage including method statements as required for protected and priority species and details of all habitat protection, creation enhancement and management;

   (b) summary information (including annotated plans and schedules) should be provided to give an overview of requirements as well as detailed timetables and method statements and specifications to be adhered;

   (c) details of landscape and ecological compliance monitoring and include any required measures to improve outcomes based on an agreed set of indicators for measuring net benefit;

   The LEMP shall include Biodiversity Enhancement Scheme relating to the areas shown on Drawing No 70070865-APP- ES-5.2 - Sheet 1 drawing title 'Post-Development Habitat Map Sheet 1'. The scheme shall include details relating to the following broad management approaches which shall be applied for lifetime of the development:

   (d) the proposed native planting including the following details;
   i. the location, species, numbers and timing of the planting of shrubs within the site;
   ii. the methods of planting, protection, maintenance and of shrubs within the site.

   (e) Methodology to remove invasive species as far as practicable.

   (f) Methodology of the breaking up of concrete to allow for vegetation to colonise over a larger overall extent of the habitat.

   The approved LEMP shall be adhered to and implemented strictly in accordance with the approved details, unless otherwise agreed in writing by the Local Planning Authority.

   REASON: In the interests of visual amenity, tree protection, wildlife conservation and biodiversity enhancement. To comply with Policy STR3, STR4, EN2, EN4, EN6, EN11 EN14, and PC2 of the Flintshire Local Development Plan.

10. Prior to commencement of the Operational phase an Operation and Maintenance Environment Management Plan (OMEMP) shall be submitted to and approved in writing by the Local Planning Authority. The OMEMP shall refer to the submitted Register of Environmental Actions and Commitments (REAC):

    The approved OMEMP shall be adhered to and implemented throughout the construction period strictly in accordance with the approved details, unless otherwise agreed in writing by the Local Planning Authority.

    REASON: In the interests of the protection of residential amenity, health and wellbeing of the neighbouring residential population, tree protection, wildlife conservation, and flood risk management. To comply with Policy EN2, EN4, EN6, EN7, EN11, EN14, and PC2 of the Flintshire Local Development Plan.

11. No development within the Construction phase shall take place until a programme of archaeological work has been implemented in accordance with a written scheme of investigation, which has been submitted to and approved in writing by the Local Planning Authority.

    The archaeological programme of work will be undertaken and completed in accordance with the relevant Standards and Guidance provided by the Chartered Institute for Archaeologists.

    REASON: In the interests of the protection of historic assets. To comply with Policy EN and SPG28 of the Flintshire Local Development Plan.

12. No development within the Demolition or Construction phases in a specific parcel of land known to be / suspected of contamination, shall take place until the following components of a scheme to deal with the risks associated with contamination at the site, has been submitted to and approved in writing by the Local Planning Authority addressing that phase of development.

    (a) a preliminary risk assessment which has identified:
    all previous uses potential contaminants associated with those uses a conceptual model of the site indicating sources, pathways, and receptors potentially unacceptable risks arising from contamination at the site.
    (b) site investigation scheme, based on (a) to provide information for a detailed assessment of the risk to all receptors that may be affected, including those off site.
    (c) The results of the site investigation and the detailed risk assessment referred to in (b) and, based on these, an options appraisal and remediation strategy giving full details of the remediation measures required and how they are to be undertaken.
    (d) A verification plan providing details of the data that will be collected in order to demonstrate that the works set out in the remediation strategy in (c) are complete and identifying any requirements for longer-term

monitoring of pollutant linkages, maintenance, and arrangements for contingency action.

The remediation strategy and its relevant components shall be carried out in accordance with the approved details.

REASON: To ensure the risks associated with contamination at the site have been fully considered prior to commencement of development as controlled waters are of high environmental sensitivity; and where necessary remediation measures and long-term monitoring are implemented to prevent unacceptable risks from contamination. To comply with Policy EN16 and PC2 of the Flintshire Local Development Plan.

13. Prior to the Operational phase a verification report demonstrating completion of works set out in the approved remediation strategy and the effectiveness of the remediation shall be submitted to and approved in writing by the Local Planning Authority. The report shall include results of sampling and monitoring carried out in accordance with the approved verification plan to demonstrate that the site remediation criteria have been met.

    REASON: To ensure the methods identified in the verification plan have been implemented and completed and the risk associated with the contamination at the site has been remediated prior to occupation or operation, to prevent both future users of the land and neighbouring land are minimised, together with those to controlled waters, property and ecological systems, and to ensure that the development can be carried out safely without unacceptable risks to workers, neighbours and other offsite receptors. To comply with Policy EN6, EN16 and PC2 of the Flintshire Local Development Plan.

14. Prior to the Operational phase a long term monitoring plan of pollutant linkages, maintenance, and arrangements for contingency action, as identified in the verification plan shall be submitted and approved in writing by the Local Planning Authority. The long-term monitoring plan should include:
    (a) Details of the methods and triggers for action to be undertaken;
    (b) Timescales for the long-term monitoring and curtailment mechanisms e.g., a scheme of monitoring for 3 years unless the monitoring reports indicate that subsequent monitoring is or is not required;
    (c) Timescales for submission of monitoring reports to the LPA e.g., annually;
    (d) Details of any necessary contingency and remedial actions and timescales for actions;
    (e) Details confirming that the contingency and remedial actions have been carried out

    The monitoring plan shall be carried out in accordance with the approved details, within the agreed timescales.

REASON: A land contamination long-term monitoring plan should be submitted prior to occupation or operation, to ensure necessary monitoring measures are approved to manage any potential adverse impacts as a result of development on protected sites, habitats, and water quality. To comply with Policy EN6, EN16 and PC2 of the Flintshire Local Development Plan.

15. If, during development, contamination not previously identified is found to be present at the site then no further development (unless otherwise agreed in writing with the Local Planning Authority) shall be carried out until a remediation strategy detailing how this unsuspected contamination shall be dealt with has been submitted to and approved in writing by the Local Planning Authority. The remediation strategy shall be carried out as approved.

    REASON: To ensure the risks associated with previously unsuspected contamination at the site are dealt with through a remediation strategy, to minimise the risk to both future users of the land and neighbouring land, and to ensure that the development can be carried out safely without unacceptable risks. To comply with Policy EN6, EN16 and PC2 of the Flintshire Local Development Plan.

16. No infiltration of surface water drainage into the ground at the Site is permitted other than with the express written consent of the Local Planning Authority, which may be given for those parts of the site where it has been demonstrated that there is no resultant unacceptable risk to controlled waters. The development shall be carried out in accordance with the approved details.

    REASON: To prevent both new and existing development from contributing to or being put at unacceptable risk from or being adversely affected by unacceptable levels of water pollution. To comply with Policy EN14 and PC2 of the Flintshire Local Development Plan.

17. No development, including site clearance, shall commence until a Biosecurity Risk Assessment, and Method Statement that considers invasive non-native species and specific diseases (e.g., Chytrid) has been submitted to and approved in writing by the Local Planning Authority. The risk assessment shall include measures to prevent the introduction of and where present control, removal or for the long-term management of invasive species both during construction and operation. The risk assessment shall consider landscaping and other related plans.

    The Biosecurity Risk Assessment shall be carried out in accordance with the approved details.

    REASON: To ensure that an approved Biosecurity Risk Assessment is implemented to secure measures to prevent or control the spread and effective management of any invasive non-native species and listed diseases at the site. To comply with Policy EN6 of the Flintshire Local Development Plan.

18. No development within the Construction phase shall commence until details of piling or any other foundation designs using penetrative methods sufficient to demonstrate that there is no unacceptable risk to groundwater have been submitted to and approved in writing by the Local Planning Authority. The piling/foundation designs shall be implemented in accordance with the approved details.

    REASON: To ensure there is no unacceptable risk to groundwater during construction and methods/design are agreed prior to the commencement of development. To comply with Policy EN6 and PC2 of the Flintshire Local Development Plan.

19. No development shall take place until details of a scheme to protect the structural condition of the public sewer crossing the site has been submitted to and approved in writing by the local planning authority. The scheme shall include a detailed design, construction method statement and risk assessment outlining the measures taken to secure and protect the structural condition and ongoing access of the public sewer. No other development pursuant to this permission shall be carried out until the approved protection measures has been implemented and completed.

    The approved scheme shall be adhered to throughout the lifetime of the development and the protection measures shall be retained in perpetuity.

    REASON: To protect the integrity of the public sewer and avoid damage thereto. To comply with Policy EN18 and EN15 of the Flintshire Local Development Plan.

20. No surface water from any increase in impermeable surfaces within the curtilage of the site shall be allowed to drain directly or indirectly to the public sewerage system.

    REASON: To prevent hydraulic overloading of the public sewerage system, to protect the health and safety of existing residents and ensure no pollution of or detriment to the environment. To comply with Policy EN18 and EN15 of the Flintshire Local Development Plan.

21. The hours of working for site clearance and construction shall be 08:00 to 18:00 hrs Monday to Friday and 08:00 to 13:00 hrs Saturdays. No work to be undertaken on Sundays/Bank holidays.

    The above condition does not apply to Horizontal Directional Drilling (HDD) operations.

    REASON: In the interests of residential amenity. To comply with Policy PC2 of the Flintshire Local Development Plan.

22. The operational hours of the development (including during commissioning) are continuous, 24 hours per day, 365 days per annum.

    REASON: For the avoidance of doubt. To comply with Policy PC2 of the Flintshire Local Development Plan.

23. No development within any one phase shall commence until submission of a noise and vibration management plan for that phase has been agreed with Local Planning Authority. Submission of this plan shall be at least 28 days prior to intended commencement. This management plan will also include details of proposed noise/vibration monitoring which may be required.

    The development shall be carried out in accordance with the approved details.

    REASON: In the interests of residential amenity. To comply with Policy EN6 and PC2 of the Flintshire Local Development Plan.

24. A detailed scheme for the final restoration of the site for nature conservation purposes shall be submitted to the Local Planning Authority for written approval no later than 23 years from the date of commencement of the Operational phase. The scheme shall include details of:

    a) Phasing of the restoration, indicating location, extent and approximate timescale:
    b) The removal, burial or other treatment of plant, structures, buildings, equipment, machinery, scrap and refuse, foundations, roadways, hardstandings, pipework, lagoons, signs and storage mounds except where any of these are required for the purposes of restoration, development and management of the site for nature conservation purposes or to maintain 3rd party access;
    c) In the final phase, the sealing or other treatment as appropriate of the accesses to the site;
    d) Identification of the species or habitat type of flora and fauna for which provision is to be made in the restoration, development and management of the site;
    e) and outline aftercare scheme.

    The restoration of the site shall be carried out in accordance with the scheme as submitted under this condition and approved by the Local Planning Authority and in accordance with any subsequent amendments to the scheme that are agreed in writing by the Local Planning Authority.

    REASON: In the interests of the restoration of the site. To ensure temporary or full restoration is carried out at the earliest opportunity. In the interests of visual amenity, wildlife conservation and biodiversity. To enable the site to be put to beneficial after-use. To comply with Policy STR2, STR3, EN2, EN4, EN6, EN11, EN14 and PC2 of the Flintshire Local Development Plan.

25. A detailed scheme for the decommissioning of the site shall be submitted to the Local Planning Authority for written approval no later than six months prior to the planned Decommissioning and Restoration phase. The Decommissioning Environmental Management Plan (DEMP) submitted) must include:

    (a) details of any below ground apparatus to be left in situ;
    (b) method statements for the decommissioning and dismantlement of above ground infrastructure;
    (c) full details of measures to prevent harm to protected and priority species and habitats to include details of habitat protection and soil management;
    (d) traffic management plan for the decommissioning works;
    (e) waste management plan for the decommissioning works;

Decommissioning of the authorised development must be implemented in accordance with the approved DEMP.

REASON: In the interests of the amenity and visual amenity of the area. In the interests of public safety. To avoid dereliction. To comply with the approved restoration and after-use for the Site. To comply with Policy STR2, STR3, EN2, EN4, EN6, EN11, EN14 and PC2 of the Flintshire Local Development Plan.

26. In the event that the operations hereby approved cease for a period of greater than 12 months (or other period agreed in writing with the Local Planning Authority) prior to the date of expiration (as notified under Condition No.2) a revised restoration scheme shall be submitted in writing no later than 6 months from the end of the aforementioned period for the approval of the Local Planning Authority, and upon written approval, shall be implemented in full.

    REASON: To ensure that a suitable restoration plan is capable of being implemented and carried out in the event that operations cease earlier than anticipated. In the interests of the restoration of the site. In the interests of visual amenity, wildlife conservation and biodiversity. To enable the site to be put to beneficial after-use. To comply with Policy STR2, STR3, EN2, EN4, EN6, EN11, EN14 and PC2 of the Flintshire Local Development Plan.

27. Prior to the implementation of the approved restoration scheme as required by condition 24, a detailed 5-year aftercare scheme for the management and maintenance of the habitats established and of the overall progressive restoration and development for nature conservation purposes of the site shall be submitted to the Local Planning Authority for approval.

The approved aftercare scheme shall be implemented in full and shall include proposals for:

a) Replacement of trees and shrubs and areas of vegetation which die, become diseased, or are damaged;
b) Maintenance of protective measures for young trees, shrubs and vegetation;
c) Maintenance of means of enclosure;
d) Maintenance of and installation of drainage and/or means of impoundment of water;
e) Control of vegetation growth by mowing, cutting or other means as appropriate.
f) Management and maintenance of calcareous grassland and other habitats
g) A nature conservation compliance record statement.

REASON: In the interests of the successful restoration of the site. In the interests of visual amenity, wildlife conservation and biodiversity. To enable the site to be put to beneficial after-use. To comply with Policy STR2, STR3, EN2, EN4, EN11, EN14 and PC2 of the Flintshire Local Development Plan.

Notes to Applicants

1. You are reminded that this permission must be carried out strictly in accordance with the above specified plans and the conditions referred to upon this certificate of decision. If any amendments are proposed, you should NOT proceed without first obtaining the written approval of the Local Planning Authority.

2. Any development carried out without compliance with the plans and particulars approved and the conditions of this permission, may be liable to enforcement action. You are also advised that separate approval under the Building Regulations and/or a licence under the Environmental Health Regulations may be required. Further advice on this may be obtained from the relevant department of the County Council.

Dated: 23.05.2024

Signed: ……

Chief Officer (Planning, Environment & Economy)

STATUTORY PROVISIONS & NOTES APPEALS TO THE WELSH GOVERNMENT

1. If the applicant is aggrieved by the decision of the Local Planning Authority to refuse permission of approval for the proposed development, or to grant permission or approval subject to conditions, he may by notice served within six months of the date of this notice (12 weeks for householder applications), appeal to the Welsh Government in accordance with Section 78 of the Town and Country Planning Act, 1990. The Welsh Government has power to allow a longer period for the giving of notice of appeal, but will not normally be prepared to exercise this power unless there are special circumstances which excuse the delay in giving notice of appeal. The Welsh Government is not required to entertain an appeal if it appears that permission for the proposed development could not have been granted by the Local Planning Authority, or could not have been granted otherwise than subject to conditions imposed by them having regard to the statutory requirements of Section 79(6) of the Town and Country Planning Act, 1990, namely Sections 70(1), (2) and (3), and 72(1) of the Act, and to the provisions of the development order, and to any directions given under the order.

2. Notice of Appeal should be given on the prescribed form, obtainable from the Welsh Government, Planning Inspectorate, Crown Buildings, Cathays Park, Cardiff. CF10 3NQ (Tel: 0303 444 5940).

3. Should the appellant wish the Welsh Government to appoint a Welsh speaking Inspector to hear any appeal against the Local Planning Authority's decision, such a request should be made to the Welsh Government when Notice of Appeal is forwarded to that office at the address given above.

4. Purchase Notices
   If permission to develop land is refused or granted subject to conditions whether by the Local Planning Authority or by the Welsh Government, and the new owner of the land claims that the land has become incapable of reasonably beneficial use in its existing state and cannot be rendered capable of reasonably beneficial use by the carrying out of any development which has been or would be permitted he may serve on the Council a purchase notice requiring the Council to purchase his interest in the land in accordance with the provisions of Part V1 of the Town and Country Planning Act, 1990.

5. Compensation
   In certain circumstances, a claim may be made against the Local Planning Authority for compensation, where permission is refused or granted subject to conditions by the Welsh Government on appeal or on a reference of the application to them. The circumstances in which such compensation is payable are set out in Section 115 of the Town and Country Planning Act, 1990.

6. General
   The enclosed decision relates to planning control only and does not cover any other statutory provisions for which consent may be required from the appropriate authority.

APPENDIX B – MARINE LICENCE CML2365

Marine Licence with introductory note

The Marine and Coastal Access Act (2009)

Licence Holder: Liverpool Bay CCS Limited

Company Number: 13194018

Eni House
10 Ebury Bridge Road
London
SW1W 8PZ

Hynet Carbon Dioxide Transportation and Storage Project – Liverpool Bay

Licence Number:

CML2365

Hynet Carbon Dioxide Transportation and Storage Project
Marine Licence number: CML2365

Introductory note

This introductory note does not form a part of the marine licence

The main features of the marine licence are as follows.

The Proposed Development will repurpose the existing Eni offshore assets in Liverpool Bay to transport CO_2 from Point of Ayr (PoA) Gas Terminal to a newly constructed Douglas Carbon Capture and Storage (CCS) platform and onto the CO_2 storage locations at the Hamilton and Lennox reservoirs. A new Douglas CCS platform will be built and pipeline spools, electrical and fibre optic cables, as well as cable protection will be installed.

The status log of the marine licence sets out the marine licence history, including any subsequent marine licence variation(s)

Status log of this marine licence		
Description	**Date**	**Comments**
Application	15 March 2024	Application received and considered to be duly made
Date licence determined	22 May 2025	Determination date

Related marine licences or applications under determination

Marine Licence or Application Number	**Date**	**Comments**
CML2350	Issue date 25 April 2024	HyNet licence to install a new CO_2 pipeline under the Dee Estuary

End of introductory note.

MARINE LICENCE, NUMBER CML2365

1 LICENCE DETAILS

1.1 Marine Licence

This is a licence granted by the Licensing Authority in respect of an application numbered CML2365 and duly made on 15 March 2024 and authorises the Licence Holder to carry out activities for which a licence is required under Part 4 of the Marine and Coastal Access Act 2009, (2009 Act). This licence should be interpreted in accordance with Section 4.

1.2 Licence Holder

The Licence Holder is the company set out below:

Company name: Liverpool Bay CCS Limited
Company number: 13194018
Address: Eni House, 10 Ebury Bridge Road, London, SW1W 8PZ

1.3 Licence Validity

Licence Start Date	**22 May 2025**
Licence End Date	**31 December 2052**
Licence Issue Date	**22 May 2025**

1.4 Conditions

This licence is subject to the conditions set out in **Section 3.**

Signed:

Dr. Emmer Litt – Marine Licensing Team Leader

For and on behalf of the Licensing Authority

2 LICENSED ACTIVITIES

2.1 Project

Hynet Carbon Dioxide Transportation and Storage Project in Liverpool Bay

The following Licensed Activities can be conducted within the Licence Period, within the Licensed Area and in accordance with the Approved Application and the Approved Supporting Documents:

Table 1 Licensed Activities

Activity 1 Cable laying and protection	
Type of Licensed Activity	Deposit/Construction
Description	• Laying, burial and sidecast dredging, of two submarine 33kV armoured power cables with integrated fibre-optic cable connections from PoA Terminal onshore to the new Douglas CCS platform. • Laying, burial and sidecast dredging, of three submarine 33kV armoured power cables with integrated fibre-optic cable connections, one each from the new Douglas CCS platform connecting with the Hamilton Main, Hamilton North, and Lennox platforms • Installation of concrete mattresses and external rock protection at crossings of existing cables
Material types to be removed or deposited	Iron, Steel, Concrete, Rock, Plastic and Synthetics
Quantities/Dimensions	• Installation of up to 80km of armoured power cables with integrated fibre-optic cable • Installation of a total of 33 cable external protection at crossings in the form of concrete mattresses, sandbags and/or freshly quarried rock. Each crossing will require protection of approximately 200m in length, 7m in width, and 0.8m in height. Installation must fall within the quantities and dimensions set out in Appendix I.
Activity 2 Pipeline spool laying and protection	
Type of Licensed Activity	Deposit/Construction
Description	• Installation of new sections of pipeline spools to connect the new Douglas CCS platform to the existing subsea natural gas pipelines.

	• Installation of concrete mattresses and external rock protection on sections of pipeline.
Material types to be removed or deposited	Iron, Steel, Concrete, Rock, Plastic and Synthetics
Quantities/Dimensions	**Pipeline**: Approximately 1,720m of new pipeline will be installed, see Appendix 1 for details. **Pipeline protection:** Approximately 360 concrete mattresses (6m x 3m x 0.3m) to be installed to protect new pipeline pools installed and concrete sleepers for crossings, further details in Appendix 1 **Pipeline support:** Installation of raiser supports for pipeline spools as a combination of a pyramid shape grout bag and grout bags Installation must fall within the quantities and dimensions set out in Appendix I.
Activity 3 Clearance of Unexploded Ordnance (UXO)	
Type of Licensed Activity	Removal and Use of Explosives
Description	Clearance of a maximum of 12 UXOs within the Licensed Area. The UXO clearance will be undertaken during daylight hours only.
Quantities/Dimensions	• A maximum of 12 UXOs. • A maximum UXO size of 907 kg. • A maximum of one UXO clearance per 24 hours. • A maximum total duration of clearance activities of 12 days
Activity 4 Installation of the New Douglas Carbon Capture and Storage (CCS) Platform and connecting to/repurposing existing pipelines	
Type of Licensed Activity	Deposit/Construction
Description	Installation of a new Douglas CCS Platform to the northwest of the exiting Douglas complex platform. The installation of the new Douglas CCS platform will include up to eight driven piles. Repurposing of the existing subsea natural gas pipelines for their change of use from hydrocarbon to CO_2 service.
Material types to be removed or deposited	Iron, Steel, Concrete, Rock, Plastic and Synthetics

Quantities/Dimensions	**New Douglas Platform:** The new Douglas platform topsides will comprise cellar, mezzanine, and weather decks. The platform jacket will be a four-legged steel structure piled to the seabed with steel piles. Installation must fall within the quantities and dimensions are set out in Appendix 1 **Repurposed pipeline lengths:** Pipelines will be repurposed from transporting natural gas to transport CO_2 . Length of pipelines to be repurposed are set out in Appendix 1
Activity 5 Removal of accidentally dropped objects pursuant to condition 3.7	
Type of Licensed Activity	Removal
Description, material types and quantities/dimensions	As approved by the Licensing Authority under condition 3.7

2.2 Licensed Area

The Licence Holder is authorised to conduct the activities described in Table 1 in Liverpool Bay from Point of Ayr to the newly constructed Douglas CCS platform and onto the Hamilton Main, Hamilton North, and Lennox platforms bounded by the coordinates specified in Appendix 2 and as indicated in the plan attached at Appendix 3.

In the event of any discrepancy between the coordinates set out in Appendix 2 and the plan attached at Appendix 3, the coordinates shall take precedence.

2.3 Approved Supporting Documents

A list of approved supporting documents is set out in Appendix 4.

3 CONDITIONS

Notification and Inspection

3.1 Notification of Commencement

3.1.1 The Licence Holder must notify the Licensing Authority no less than **10 days** before the commencement of the Licensed Activities, or an individual phase of the Licensed Activities, is expected to commence.

3.1.2 The Licence Holder must notify Welsh Government Marine & Fisheries Division (Control & Enforcement Branch) no less than **10 days** before the commencement of the Licensed Activities, or an individual phase of the Licensed Activities, is expected to commence.

3.1.3 The Licence Holder must ensure that local mariners and fishermen's organisations are made fully aware of the Licensed Activities through local notices to mariners **10 days** prior to the commencement of the Licensed Activities.

3.1.4 The Licence Holder must ensure that notification is sent to The Source Data Receipt team, UK Hydrographic Office (email: sdr@ukho.gov.uk) at least **10 days** prior to commencement of the works. The information supplied must include the start date and end date, a description of the works, positions of the work area (WGS84), and details of any marking arrangements.

3.2 Notification of Vessels and/or Vehicles

The Licence Holder must ensure that the details of the vessels and/or vehicles utilised to undertake the Licensed Activities are submitted to the Licensing Authority and Welsh Government Marine & Fisheries Division (Control & Enforcement Branch) at least **24 hours** prior to the commencement of the Licensed Activities.

3.3 Notification of Agents/Contractors/Sub-contractors

The Licence Holder must ensure that details of any agent(s), contractor(s) or sub-contractor(s) utilised to undertake the Licensed Activities are submitted to the Licensing Authority and Welsh Government Marine & Fisheries Division (Control & Enforcement Branch) at least **24 hours** prior to the commencement of Licensed Activities.

3.4 Notification of HM Coastguard

3.4.1 The Licence Holder must ensure that HM Coastguard is made aware of the Licensed Activities at least **24 hours** prior to commencement by contacting The National Maritime Operations Centre at **zone32@hmcg.gov.uk**. This must include detail of vehicle, vessels, agents and contractors utilised to undertake the licensed activities.

3.4.2 The Licence Holder must ensure that HM Coastguard is notified at least **7 days** prior to the commencement of Licensed Activity 3 (Clearance of Unexploded Ordnance (UXO)), by contacting The National Maritime Operations Centre at **zone32@hmcg.gov.uk**. The Licence Holder must

provide the emergency contact information for the vessel and the expected timescale of Licensed Activity 3.

3.4.3 The Licence Holder must establish communication with HM Coastguard at the start of Licensed Activity 3 (Clearance of Unexploded Ordnance (UXO)), using the appropriate radio channels/frequencies or dialling **0344 382 0570**.

3.5 Inspection of Licensed Activities

The Licence Holder must allow Marine Enforcement Officers, or any other person authorised by the Licensing Authority to inspect the Works at any reasonable time.

3.6 Notification of Completion

3.6.1 The Licence Holder must notify the Licensing Authority within **10 days** of completion of the Licensed Activities.

3.6.2 The Licence Holder must notify Welsh Government Marine & Fisheries Division (Control & Enforcement Branch) within **10 days** of completion of the Licensed Activities.

3.6.3 The Licence Holder must notify the UK Hydrographic Office (email: sdr@ukho.gov.uk) of the Licensed Area and the Licensed Activities within **10 days** of the completion of the Licensed Activities. The information provided must include positions of the installed works on and/or above the seabed in WGS84 (ETRS89) datum, any changes to engineering drawings, and details of any marking arrangements.

3.7 Accident or Emergency

3.7.1 If, by reason of force majeure any substances or articles are deposited otherwise than as permitted as part of the Licensed Activities or in the Licensed Area full details of the circumstances shall be notified to the Licensing Authority, Trinity House and the Maritime and Coastguard Agency within **48 hours** of the incident occurring.

3.7.2 If it is necessary for the Licence Holder to recover or remove any equipment, plant or machinery used to undertake the Licensed Activities that have been dropped as a result of an accident or emergency, the Licence Holder is permitted to do so provided that the methodology for such recovery or removal has been approved by the Licensing Authority.

3.7.3 The Licence Holder must submit a Dropped Object Plan (DOP) to the Licensing Authority for written approval at least **4 months** prior to commencement of Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.7.4 The Licence Holder must ensure that any actions outlined in the DOP detailed in condition 3.7.3 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the action outlined in

the document must be submitted to, and approved in writing, by the Licensing Authority prior to any changes being enacted.

3.8 Distribution of Copies of this Licence

The Licence Holder is required to ensure that a copy of this Licence is given to:

- All agent(s), contractor(s) and sub-contractor(s) whose names have been provided to the Licensing Authority under condition 3.3 and
- The Masters of any vessels and transport managers responsible for the vehicles employed in accordance with this Licence whose details have been submitted to the Licensing Authority under condition 3.2.

3.9 Inspection of Documents

Copies of this Licence shall be made available at the following locations:

- at the address of the Licence Holder specified in section 1.2;
- at any site office, located at or adjacent to the Licensed Area, used by the Licence Holder or its agent(s), contractor(s) or sub-contractor(s) responsible for the loading transportation or deposit of any substances or articles permitted as part of the Licensed Activities;
- on board each vessel or vehicle carrying out Licensed Activities.

The documents referred to in this Condition shall be available at all reasonable times for inspection by officers appropriately authorised by the Licensing Authority and authorised Marine Enforcement Officers at the locations stated in that paragraph.

Vessels, Plant and Equipment

3.10 Notified Contractors, Vessels and/or Vehicles only to Carry out Licensed Activities

Only those agent(s), contractor(s), sub-contractor(s), vessels and/or vehicles whose details have been notified to the Licensing Authority may operate under the terms of this Licence. Any changes must be notified to and be approved by the Licensing Authority in writing prior to any such agent, contractor, subcontractors or vehicles carrying out any Licensed Activities pursuant to or otherwise operating under this Licence.

3.11 Refuelling of Plant and Equipment

The Licence Holder must ensure that plant, vehicles and machinery are not refuelled on the foreshore or in the sea.

3.12 Equipment, Structures and Access

The Licence Holder must ensure that all equipment, temporary structures, access tracks, waste and/or debris associated with the Licensed Activities are removed on completion of the Licensed activities.

Safety

3.13 Removal of Deposited Material

If the Licensing Authority considers it necessary or advisable for the safety of navigation, the Licence Holder must remove any deposit specified by the Licensing Authority or Marine Enforcement Officers within one month of notice being given by the Licensing Authority, and shall not replace such material, until the Licensing Authority has given its written approval.

Pollution control

3.14 Pollution Prevention

The Licence Holder must ensure that pollution prevention best practice is adhered to at all times. Any incidents must be reported to the Licensing Authority as soon as possible using the hotline number **0300 065 3000**.

3.15 Spillage of Pollutants

The Licence Holder must employ bunding, storage facilities and spill kits to contain and prevent the release of fuel, oils and chemicals associated with the plant, refuelling and construction equipment into the marine environment. Secondary containment must be used with a capacity of **no less than 110%** of the container's storage capacity

3.16 Prevention of Disposal of Man-made Debris

The Licence Holder must ensure that all reasonable precautions are taken to prevent the disposal of man-made debris to the marine environment. Such material must be removed immediately and be disposed of appropriately. If it is not possible to prevent manmade debris from entering the marine environment during the Licensed Activities, the Licensed Activities must cease immediately.

3.17 Cleanliness of Equipment

The Licence Holder must ensure that equipment, machinery and PPE are washed with freshwater and/or thoroughly airdried before deployment and before moving between locations.

Activity-specific Conditions

3.18 Time Restrictions

3.18.1 The Licence Holder must ensure that Licenced Activity 1 (cable laying and protection), Licenced Activity 2 (pipeline spool laying and protection), and Licenced Activity 3 (clearance of UXO) do not take place between **01 November** and **31 March inclusive**, without prior written approval from the Licensing Authority.

3.19 Cable Specification and Installation Plan (CSIP)

3.19.1 The Licence Holder must submit a CSIP to the Licensing Authority for written approval at least **4 months** prior to commencement of Licensed

Activity 1 (cable installation and protection). No Licensed Activities relating to Licensed Activity 1 may be undertaken prior to written agreement from the Licensing Authority. The CSIP must include the following information unless otherwise approved by the Licensing Authority (parameter envelopes should be provided if necessary):

(i) Technical specifications;
(ii) Location, including outlines of cable crossings, burial, and surface laid sections;
(iii) Timings, including duration of works;
(iv) Burial risk assessment to ascertain burial depths and cable laying techniques including cable protection. The assessment should identify any cable protection that exceeds 5% of navigable depth referenced to chart datum. In the event that any area of cable protection exceeding 5% of navigable depth is identified, the details of any steps to be taken to ensure existing and future safe navigation is not compromised, should be presented;
(v) Proposed locations, types, and quantities of cable protection to be deposited;
(vi) Installation and cable laying techniques;
(vii) Cable crossing armouring methodology;
(viii) Installation machinery failure contingency plan;
(ix) Transport management plan;
(x) Location, type, and quantity of any wet-stored cabling and/or cable protection and the proposed duration of the wet storage, and
(xi) Proposals for monitoring offshore cables including cable protection during the operational lifetime of the authorised scheme which includes a risk based approach to the management of unburied or shallow buried cables.

3.19.2 The Licence Holder must ensure that any actions outlined in the CSIP detailed in condition 3.19.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing, by the Licensing Authority prior to any changes being enacted.

3.20 Pipeline Specification and Installation Plan (PSIP)

3.20.1 The Licence Holder must submit a PSIP to the Licensing Authority for written approval at least **4 months** prior to commencement of Licensed Activity 2 (pipeline spool installation and protection). No Licensed Activities relating to Licensed Activity 2 may be undertaken prior to written agreement from the Licensing Authority. The PSIP must include the following information unless otherwise approved by the Licensing Authority (parameter envelopes should be provided if necessary):

(xii) Technical specifications;
(xiii) Location, including outlines of pipeline crossings, burial, and surface laid sections;
(xiv) Timings, including duration of works;
(xv) Burial risk assessment to ascertain burial depths and pipeline laying techniques including pipeline protection. The assessment should identify any pipeline protection that exceeds 5% of navigable depth referenced to chart datum. In the event that any area of pipeline protection exceeding 5% of navigable depth is

identified, the details of any steps to be taken to ensure existing and future safe navigation is not compromised, should be presented;

(xvi) Proposed locations, types, and quantities of pipeline protection to be deposited;

(xvii) Installation and pipeline laying techniques;

(xviii) pipeline crossing armouring methodology;

(xix) Installation machinery failure contingency plan;

(xx) Transport management plan;

(xxi) Location, type, and quantity of any wet-stored pipeline and/or protection and the proposed duration of the wet storage, and

(xxii) Proposals for monitoring offshore pipelines including pipeline protection during the operational lifetime of the authorised scheme which includes a risk based approach to the management of unburied or shallow buried pipelines.

3.20.2 The Licence Holder must ensure that any actions outlined in the CSIP, and PSIP detailed in condition 3.20.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

3.21 Depth Reductions

The Licence Holder must ensure that any depth reductions resulting from the Licensed Activities do not compromise safe navigation and that there is no more than 5% reduction in surrounding depth referenced to Chart Datum at any location within the Licensed Area without prior written approval from the Licensing Authority.

3.22 Noisy Activities

3.22.1 The Licence Holder must complete an entry into the UK Marine Noise Registry detailing the proposed dates and locations and nature of UXO clearance and pilling activities at least **10 days** prior to the commencement of the Licensed Activities.

3.22.2 The Licence Holder must amend the UK Marine Noise Registry proposed activity form should the timing of Licensed Activities 3 and 4 alter or no longer remain part of the project.

3.22.3 The Licence Holder must complete an entry into the UK Marine Noise Registry detailing the actual dates and locations and nature of UXO clearance and pilling activities within **8 weeks** of completion of the noisy activity.

3.23 Unexploded Ordnance (UXO) Method Statement

3.23.1 The Licence Holder must submit an UXO Method Statement to the Licensing Authority for written approval at least **4 months** prior to commencement of Licensed Activity 3. No Licensed Activities relating to Licensed Activity 3 may be undertaken prior to written approval from the Licensing Authority.

3.23.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.23.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

3.24 Marine Archaeology

3.24.1 The Licence Holder must submit a Written Scheme of Investigation (WSI) which shall be in accordance with the outline WSI (*CML2365-LBA CCS Ltd_OFFSHORE ES_Appendix U WSI_NRW_FINAL*) to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.24.2 The Licence Holder must submit a Protocol for Archaeological Discoveries (PAD) to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.24.3 The Licence Holder must ensure that any actions outlined in the documents detailed in conditions 3.24.1 and 3.24.2 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to and approved in writing by the Licensing Authority prior to any changes being enacted.

3.25 Construction Environmental Management Plan (CEMP)

3.25.1 The Licence Holder must submit a CEMP to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority. The CEMP must:

(i) be in accordance with the Outline Environmental Management Plan (*CML2365-LBA CCS Ltd_OFFSHORE ES_Appendix R EMP_NRW_FINAL)*;
(ii) be in accordance with the Outline Invasive Non-Native Species Management Plan (INNSMP) *(CML2365-LBA CCS Ltd_OFFSHORE ES_Appendix T INNS_NRW_FINAL)*;
(iii) include a Marine Pollution Contingency Plan containing planning for accidental spills, address all potential contaminant releases and include key emergency contact details;
(iv) include measures to reduce vehicle disturbance to benthic habitats while working in the intertidal area, and
(v) include measures to minimise disturbance to birds while working in or near the intertidal area

3.25.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.25.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions

outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

3.26 Marine Mammal Management Plan (MMMP)

3.26.1 The Licence Holder must submit a MMMP which shall be in accordance with Outline MMMP (*CML2365-LBA CCS Ltd_OFFSHORE ES_Appendix S MMMP_NRW_FINAL*) to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.26.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.26.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

3.27 Vessel Management Plan (VMP)

3.27.1 The Licence Holder must submit a VMP to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.27.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.27.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

3.28 Compass Deviation Survey

3.28.1 If requested by the License Authority, the Licence Holder must undertake a Compass Deviation Survey and submit a monitoring report to the Licensing Authority for written approval within **4 months** of the request being made.

3.28.2 If the results of the survey detailed in condition 3.28.1 identifies compass deviation, the Licence Holder must provide recommendations within the monitoring report detailed in condition 3.28.1 to prevent compass deviation.

3.28.3 The Licence Holder must ensure that any proposed mitigation to prevent compass deviation outlined in the monitoring report detailed in condition 3.28.1 are implemented as approved in writing by the Licensing Authority.

3.29 Navigation and Safety Plan (NSP)

3.29.1 The Licence Holder must submit a NSP to the Licensing Authority for written approval at least **4 months** prior to commencement of the

Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.29.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.29.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

3.30 Lighting and Marking Plan (LMP)

3.30.1 The Licence Holder must submit a LMP to the Licensing Authority for written approval at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.30.2 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.30.1 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by the Licensing Authority prior to any changes being enacted.

3.31 Cable crossing and working agreements

3.31.1 The Licence Holder must submit Cable Crossing Agreements (CCA) with Gwynt y Môr Offshore Wind Farm ltd. and North Hoyle Offshore Windfarm ltd. to the Licensing Authority at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.31.2 The Licence Holder must submit Simultaneous Operations (SIMOPS) Protocols with Gwynt y Môr Offshore Wind Farm ltd., Rhyl Flats Wind Farm ltd., and North Hoyle Offshore Windfarm ltd. to the Licensing Authority at least **4 months** prior to commencement of the Licensed Activities. No Licensed Activities may be undertaken prior to written approval from the Licensing Authority.

3.31.3 The Licence Holder must ensure that any actions outlined in the documents detailed in condition 3.31.1 and 3.31.2 are implemented as approved in writing by the Licensing Authority. Any proposed changes to the actions outlined in the documents must be submitted to, and approved in writing by, the Licensing Authority prior to any changes being enacted.

3.32 Installed Cable and Pipeline Report

3.32.1 The Licence Holder must provide to the Licensing Authority the following information within **4 months** of completion of the Licensed Activities for written approval:

(i) The final locations (in WGS84) and technical specifications of the cables and pipelines;

(ii) The final locations (in WGS84) of buried and surface-laid sections of the cables and pipelines;
(iii) The final locations (in WGS84), types, and quantities of cable and pipeline protection used, deposited, or installed, and
(iv) Identification of potential dangers to navigation.

3.32.2 In the event that any potential danger to navigation is identified following the completion of the Licensed Activities, the Licence Holder must propose measures to ensure the safety of navigation in writing to the Licensing Authority for written approval. The measures must be implemented as approved by the Licensing Authority.

3.33 Post Construction As-Built Report

3.33.1 The Licence Holder must provide to the Licensing Authority the following information within **4 months** of completion of the Licensed activity for written approval:

(i) Confirmation of construction completion date;
(ii) As built plans, and
(iii) Latitude and longitude coordinates of the New Douglas Carbon Capture and Storage (CCS) Platform provided as Geographical Information System data referenced to WGS84 datum.

3.33.2 In the event that any potential danger to navigation is identified following the completion of the Licensed Activities, the Licence Holder must propose measures to ensure the safety of navigation in writing to the Licensing Authority for written approval. The measures must be implemented as approved by the Licensing Authority.

4 INTERPRETATION

In this Licence terms are as defined in section 115 of the Marine and Coastal Access Act unless otherwise stated.

(a) "**2009 Act**" means the Marine and Coastal Access Act 2009;

(b) "**Approved Application**" means the Marine Licence Application Form together with the Approved Supporting Documents;

(c) "**Approved Supporting Documents**" means the documents supporting, or supplementary to, the Approved Application, submitted prior to the Licence Issue Date, listed in the Table at paragraph 2.3 above;

(d) "**Commencement**" means the first undertaking of any Licensed Activities;

(e) **"Force majeure**" may be deemed to apply when, due to stress of weather or any other cause, the master of a vessel determines that it is necessary to deposit the substances or articles because the safety of human life and/or of the vessel is threatened;

(f) "**Licensed Activities**" means the activities authorised by this licence as specified in 2.1;

(g) "**Licensed Area**" means the area within which Licensed Activities are authorised by this licence as specified in section 2.2;

(h) "**Licence Holder**" means the person(s) or organisation(s) named in section 1.2 to whom this licence is granted;

(i) "**Licence Period**" means the period beginning with the Licence Start Date and ending on the Licence End Date;

(j) "**Licensing Authority**" means Natural Resources Wales acting on behalf of the Welsh Ministers;

(k) "**Marine Enforcement Officers**" means the relevant officers appointed by Welsh Ministers under section 235 of the 2009 Act, contact details for whom are provided in section 5;

(l) **"Marine Licence Application Form"** means the application form forming part of the application referred to in paragraph 1.1;

(m) "**Method Statement"** means the Method Statement(s) forming part of the Approved Application or Approved Supporting Documents;

(n) "**Works**" means any construction activities comprised in the Licensed Activities and, where the context permits, includes any plant, equipment or materials used to carry out those activities or operations but excludes monitoring, minor routine maintenance or other ongoing operational activities following completion of any construction activities;

(o) all times shall be taken to be the time in Greenwich Mean Time (GMT) on any given day;

(p) all co-ordinates shall be taken to be latitude and longitude degrees minutes seconds (WGS 84).

(q) in the event of any discrepancy between the coordinates listed in Appendix 2 and the plan attached at Appendix 3, the coordinates shall take precedence.

5 CONTACTS

Except where otherwise indicated, the primary point of contact with the Licensing Authority and the address for returns, correspondence and requests for variations of the licence is:

Marine Licensing Team
Natural Resources Wales
Welsh Government Offices
Cathays Park
King Edward VII Avenue
Cardiff
CF10 3NQ
Tel: 0300 065 3000
Email: marinelicensing@naturalresourceswales.gov.uk

Welsh Government Marine Enforcement Officers may be contacted at:

Welsh Government
Suite 3
Cedar Court
Haven's Head Business Park
Milford Haven Pembrokeshire
SA73 3LS

Tel: 03000253500
Email: MarineLicencingEnforcement@gov.wales

Appendix 1: Project quantities and dimensions

Activity 1: Cable laying and protection – quantities and dimensions

Cable installation:

Installation of approximately 80km of armoured power cables with integrated fibre-optic cables as per below:

- Point of Ayr (PoA) to New Douglas Cable 1 = up to 35,000m of cable.
- PoA to New Douglas Cable 2 = up to 35,000m of cable.
- New Douglas to Lennox = up to 2,953m of cable.
- New Douglas to Hamilton North = up to 2,951m of cable.
- New Douglas to Hamilton = up to 2,198m of cable.

Cable protection:

A total of 33 cable crossings will require external protection in the form of concrete mattresses, sandbags and/or freshly quarried rock. Each crossing will require protection of approximately 200m in length, 7m in width, and 0.8m in height.

(Note: POA = Point of Ayr; ND = New Douglas, L = Lennox; H= Hamilton)

Cable/Crossing ID	Protection Type	Number	Dimensions (m)
POA to ND Cable 1 (approach to platform)	Mattress	35	6 x 3 x 0.3
POA to ND Cable 2 (approach to platform)	Mattress	35	6 x 3 x 0.3
ND to H North, 4x crossings	Mattress	50	6 x 3 x 0.3
ND to H North, 4x crossings	Rock	-	200m long per crossing
ND to H Main, 5x crossings	Mattress	100	6 x 3 x 0.3
ND to L, 4x crossings	Mattress	60	6 x 3 x 0.3
ND to L, 4x crossings	Rock	-	200m long per crossing
POA to ND Cable 1, 10x crossings	Mattress	64	6 x 3 x 0.3
POA to ND Cable 1, 10x crossings	Rock	-	200m long per crossing
POA to ND Cable 2, 10x crossings	Mattress	64	6 x 3 x 0.3
POA to ND Cable 2, 10x crossings	Rock	-	200m long per crossing

Activity 2: Pipeline laying and protection– quantities and dimensions

Pipeline installation:

The following lengths of new pipeline will be required to connect to the new Douglas CCS platform:

- PL1030, existing 20" gas to Point of Ayr (approximately 608m);
- PL1039, existing 20” gas export from Hamilton Main (approximately 309m);
- PL 1041, existing 14” gas export from Hamilton North (approximately 205m);
- PL1035, existing 16” gas export from Lennox (approximately 263m); and
- PL1036A, existing 12” gas injection to Lennox (approximately 329m).

Pipeline protection:

- Protection along 608m PL1030 110 x concrete mattresses (6m x 3m x 0.3m).
- Protection along 309m PL1039 70 x concrete mattresses (6m x 3m x 0.3m).
- Protection along 205m PL1041 50 x concrete mattresses (6m x 3m x 0.3m).
- Protection along 263m PL1035 60 x concrete mattresses (6m x 3m x 0.3m).
- Protection along 329m 1036A 70 x concrete mattresses (6m x 3m x 0.3m).
- Concrete sleepers (rubber coated) for crossings on approach to new Douglas platform comprising:
    - 2 sleepers (6m x 2m x 1.1m) for 14” Spool PL1041 and 14” PL1031; and
    - 2 sleepers (6m x 2m x 1.1m) for 20” Spool PL1039 and 12” PL1036A.

Pipeline support:

PL1030 riser support:

- 1 pyramid shape grout bag, approximate dimension 3m x 3m x 2.8m (or equivalent).

- 100 grout bags (20kg type), approx. dimension 500mm x 300mm x 75mm.

PL1039 riser support:

- 1 pyramid shape grout bag, approximate dimension 3m x 3m x 2.8m (or equivalent).
- 100 grout bags (20kg type), approx. dimension 500mm x 300mm x 75mm.

PL1041 riser support:

- 1 pyramid shape grout bag, approximate dimension 3m x 3m x 2.8m (or equivalent).
- 100 grout bags (20kg type), approx. dimension 500mm x 300mm x 75mm.

PL1035 riser support:

- 1 pyramid shape grout bag, approximate dimension 3m x 3m x 2.8m (or equivalent).
- 100 grout bags (20kg type), approx. dimension 500mm x 300mm x 75mm.

PL1036A riser support:

- 1 pyramid shape grout bag, approximate dimension 3m x 3m x 2.8m (or equivalent).
- 100 grout bags (20kg type), approx. dimension 500mm x 300mm x 75mm.

Activity 4 - Installation of the New Douglas Carbon Capture and Storage (CCS) Platform and connecting to/repurposing existing pipelines – quantities

Douglas Topsides:

- The topsides will be a predominantly steel structure, and comprise cellar, mezzanine, and weather decks, and have overall dimensions of approximately 33 m in length, 30 m in width, and 35.5 m in height to the weather deck/helideck.
- The total weight of the steel topside will be approximately 2,290 tonnes

Douglas Jacket

- Four-legged steel structure measuring approximately 20 m x 20 m at the lower level and 17.5 m x 17.5 m at the upper level.

- The jacket will be piled into the seabed with 8 steel piles. Each pile will be approximately 1.5 m in diameter and 40.25 m in length, with a penetration depth of around 22 m.

Repurposed pipeline lengths:

Pipelines will be repurposed as follows:

Pipe_ID	Length (m)
PL1041	2,387.7
PL1040	1,673.7
PL1039	2,206.2
PL1036A	2,107.3
PL1035	2,348.1
PL1030	34,000

Licence Number: CML2365

Appendix 2: Coordinates of Licensed Area

Latitude	Longitude
53° 27.950' N	3° 35.034' W
53° 27.950' N	3° 36.062' W
53° 27.949' N	3° 37.092' W
53° 28.096' N	3° 37.092' W
53° 28.599' N	3° 37.092' W
53° 28.771' N	3° 37.092' W
53° 29.290' N	3° 37.092' W
53° 29.440' N	3° 37.092' W
53° 29.950' N	3° 37.092' W
53° 30.037' N	3° 37.092' W
53° 30.344' N	3° 37.092' W
53° 31.106' N	3° 37.092' W
53° 31.315' N	3° 37.092' W
53° 32.449' N	3° 37.092' W
53° 33.309' N	3° 37.092' W
53° 33.320' N	3° 37.092' W
53° 33.950' N	3° 37.092' W
53° 34.814' N	3° 37.093' W
53° 34.325' N	3° 36.163' W
53° 34.325' N	3° 36.163' W
53° 34.325' N	3° 36.163' W
53° 33.395' N	3° 34.391' W
53° 33.313' N	3° 34.227' W
53° 31.580' N	3° 31.944' W
53° 27.951' N	3° 25.932' W
53° 27.951' N	3° 25.936' W
53° 27.951' N	3° 26.903' W
53° 27.951' N	3° 27.007' W
53° 27.951' N	3° 27.378' W
53° 27.950' N	3° 28.820' W
53° 27.950' N	3° 28.873' W
53° 27.950' N	3° 29.110' W
53° 27.950' N	3° 31.030' W
53° 27.950' N	3° 31.092' W
53° 27.950' N	3° 34.344' W
53° 27.382' N	3° 34.331' W
53° 26.823' N	3° 34.334' W
53° 26.441' N	3° 34.321' W
53° 26.281' N	3° 34.330' W
53° 25.712' N	3° 34.313' W
53° 25.151' N	3° 34.311' W
53° 24.675' N	3° 34.299' W
53° 24.602' N	3° 34.290' W
53° 24.583' N	3° 34.281' W

Licence Number: CML2365

53° 24.492' N	3° 34.239' W
53° 24.436' N	3° 34.197' W
53° 24.346' N	3° 34.091' W
53° 24.267' N	3° 33.952' W
53° 24.230' N	3° 33.864' W
53° 24.183' N	3° 33.697' W
53° 24.156' N	3° 33.515' W
53° 24.101' N	3° 32.336' W
53° 24.067' N	3° 31.593' W
53° 23.979' N	3° 29.704' W
53° 23.896' N	3° 27.933' W
53° 23.848' N	3° 27.622' W
53° 23.809' N	3° 27.374' W
53° 23.768' N	3° 27.113' W
53° 23.672' N	3° 26.492' W
53° 23.607' N	3° 26.078' W
53° 23.591' N	3° 25.978' W
53° 23.544' N	3° 25.675' W
53° 23.396' N	3° 24.729' W
53° 23.361' N	3° 24.505' W
53° 23.243' N	3° 23.752' W
53° 23.227' N	3° 23.652' W
53° 23.203' N	3° 23.494' W
53° 23.133' N	3° 23.233' W
53° 23.119' N	3° 23.182' W
53° 23.087' N	3° 22.984' W
53° 23.025' N	3° 22.589' W
53° 23.023' N	3° 22.576' W
53° 22.816' N	3° 21.265' W
53° 22.812' N	3° 21.240' W
53° 22.807' N	3° 21.212' W
53° 22.801' N	3° 21.185' W
53° 22.794' N	3° 21.159' W
53° 22.787' N	3° 21.133' W
53° 22.779' N	3° 21.107' W
53° 22.770' N	3° 21.082' W
53° 22.761' N	3° 21.058' W
53° 22.751' N	3° 21.034' W
53° 22.741' N	3° 21.011' W
53° 22.730' N	3° 20.988' W
53° 22.719' N	3° 20.967' W
53° 22.707' N	3° 20.946' W
53° 22.695' N	3° 20.926' W
53° 22.682' N	3° 20.906' W
53° 22.669' N	3° 20.888' W
53° 22.657' N	3° 20.872' W
53° 22.463' N	3° 20.634' W

Licence Number: CML2365

53° 22.452' N	3° 20.621' W
53° 22.438' N	3° 20.607' W
53° 22.424' N	3° 20.594' W
53° 22.409' N	3° 20.582' W
53° 22.396' N	3° 20.573' W
53° 22.120' N	3° 20.398' W
53° 21.639' N	3° 20.094' W
53° 21.636' N	3° 20.093' W
53° 21.360' N	3° 19.918' W
53° 21.359' N	3° 19.936' W
53° 21.359' N	3° 19.947' W
53° 21.358' N	3° 19.969' W
53° 21.357' N	3° 19.983' W
53° 21.356' N	3° 20.000' W
53° 21.353' N	3° 20.021' W
53° 21.353' N	3° 20.023' W
53° 21.353' N	3° 20.023' W
53° 21.351' N	3° 20.036' W
53° 21.346' N	3° 20.054' W
53° 21.343' N	3° 20.064' W
53° 21.340' N	3° 20.074' W
53° 21.337' N	3° 20.086' W
53° 21.334' N	3° 20.096' W
53° 21.332' N	3° 20.105' W
53° 21.330' N	3° 20.120' W
53° 21.329' N	3° 20.134' W
53° 21.328' N	3° 20.143' W
53° 21.328' N	3° 20.157' W
53° 21.327' N	3° 20.166' W
53° 21.327' N	3° 20.184' W
53° 21.326' N	3° 20.186' W
53° 21.326' N	3° 20.205' W
53° 21.325' N	3° 20.222' W
53° 21.325' N	3° 20.223' W
53° 21.324' N	3° 20.241' W
53° 21.322' N	3° 20.261' W
53° 21.320' N	3° 20.275' W
53° 21.317' N	3° 20.290' W
53° 21.315' N	3° 20.303' W
53° 21.314' N	3° 20.310' W
53° 21.312' N	3° 20.325' W
53° 21.310' N	3° 20.349' W
53° 21.307' N	3° 20.373' W
53° 21.304' N	3° 20.408' W
53° 21.300' N	3° 20.455' W
53° 21.300' N	3° 20.458' W
53° 21.295' N	3° 20.498' W

Licence Number: CML2365

53° 21.314' N	3° 20.531' W
53° 21.474' N	3° 20.818' W
53° 21.591' N	3° 21.027' W
53° 21.622' N	3° 20.842' W
53° 21.649' N	3° 20.679' W
53° 21.754' N	3° 20.746' W
53° 21.835' N	3° 20.797' W
53° 21.917' N	3° 20.848' W
53° 22.002' N	3° 20.903' W
53° 22.207' N	3° 21.032' W
53° 22.276' N	3° 21.076' W
53° 22.380' N	3° 21.204' W
53° 22.416' N	3° 21.248' W
53° 22.426' N	3° 21.279' W
53° 22.429' N	3° 21.295' W
53° 22.478' N	3° 21.604' W
53° 22.548' N	3° 22.053' W
53° 22.650' N	3° 22.694' W
53° 22.800' N	3° 23.645' W
53° 23.136' N	3° 25.781' W
53° 23.475' N	3° 27.941' W
53° 23.478' N	3° 27.964' W
53° 23.481' N	3° 27.981' W
53° 23.483' N	3° 27.999' W
53° 23.485' N	3° 28.014' W
53° 23.487' N	3° 28.030' W
53° 23.488' N	3° 28.045' W
53° 23.490' N	3° 28.060' W
53° 23.491' N	3° 28.076' W
53° 23.492' N	3° 28.094' W
53° 23.493' N	3° 28.109' W
53° 23.494' N	3° 28.125' W
53° 23.495' N	3° 28.140' W
53° 23.687' N	3° 32.330' W
53° 23.742' N	3° 33.520' W
53° 23.743' N	3° 33.541' W
53° 23.744' N	3° 33.563' W
53° 23.745' N	3° 33.586' W
53° 23.747' N	3° 33.607' W
53° 23.749' N	3° 33.629' W
53° 23.751' N	3° 33.651' W
53° 23.753' N	3° 33.672' W
53° 23.755' N	3° 33.694' W
53° 23.758' N	3° 33.715' W
53° 23.760' N	3° 33.737' W
53° 23.763' N	3° 33.755' W
53° 23.766' N	3° 33.776' W

Licence Number: CML2365

53° 23.769' N	3° 33.797' W
53° 23.773' N	3° 33.822' W
53° 23.777' N	3° 33.843' W
53° 23.781' N	3° 33.868' W
53° 23.785' N	3° 33.888' W
53° 23.789' N	3° 33.909' W
53° 23.793' N	3° 33.930' W
53° 23.798' N	3° 33.951' W
53° 23.802' N	3° 33.971' W
53° 23.807' N	3° 33.992' W
53° 23.812' N	3° 34.012' W
53° 23.817' N	3° 34.032' W
53° 23.823' N	3° 34.052' W
53° 23.828' N	3° 34.072' W
53° 23.834' N	3° 34.092' W
53° 23.839' N	3° 34.111' W
53° 23.845' N	3° 34.131' W
53° 23.851' N	3° 34.150' W
53° 23.858' N	3° 34.170' W
53° 23.864' N	3° 34.189' W
53° 23.871' N	3° 34.208' W
53° 23.878' N	3° 34.227' W
53° 23.884' N	3° 34.245' W
53° 23.891' N	3° 34.264' W
53° 23.899' N	3° 34.282' W
53° 23.906' N	3° 34.300' W
53° 23.914' N	3° 34.318' W
53° 23.921' N	3° 34.336' W
53° 23.929' N	3° 34.354' W
53° 23.937' N	3° 34.371' W
53° 23.945' N	3° 34.388' W
53° 23.953' N	3° 34.405' W
53° 23.962' N	3° 34.422' W
53° 23.970' N	3° 34.439' W
53° 23.979' N	3° 34.455' W
53° 23.987' N	3° 34.472' W
53° 23.996' N	3° 34.488' W
53° 24.005' N	3° 34.504' W
53° 24.015' N	3° 34.519' W
53° 24.024' N	3° 34.535' W
53° 24.033' N	3° 34.550' W
53° 24.042' N	3° 34.563' W
53° 24.051' N	3° 34.577' W
53° 24.061' N	3° 34.592' W
53° 24.071' N	3° 34.606' W
53° 24.081' N	3° 34.621' W
53° 24.091' N	3° 34.635' W

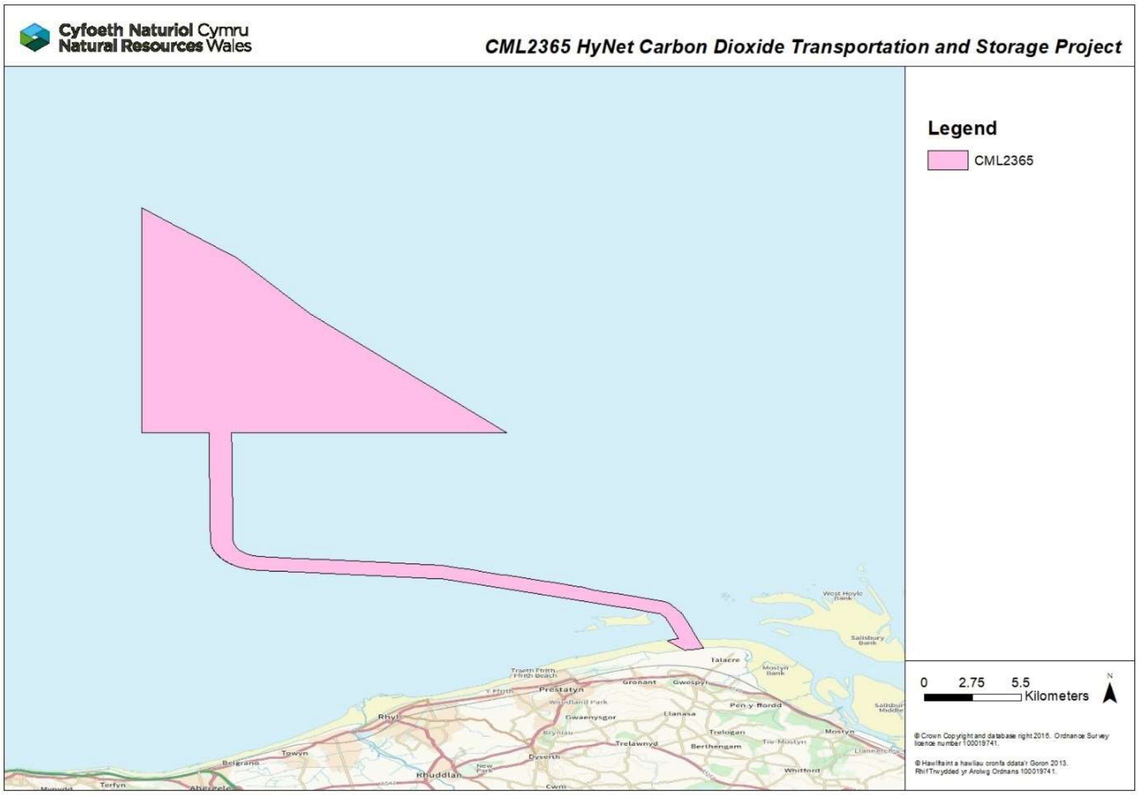
Licence Number: CML2365

53° 24.101' N	3° 34.648' W
53° 24.111' N	3° 34.662' W
53° 24.122' N	3° 34.675' W
53° 24.132' N	3° 34.688' W
53° 24.143' N	3° 34.701' W
53° 24.154' N	3° 34.713' W
53° 24.165' N	3° 34.725' W
53° 24.176' N	3° 34.737' W
53° 24.187' N	3° 34.749' W
53° 24.198' N	3° 34.761' W
53° 24.209' N	3° 34.772' W
53° 24.222' N	3° 34.784' W
53° 24.228' N	3° 34.790' W
53° 24.240' N	3° 34.800' W
53° 24.253' N	3° 34.812' W
53° 24.265' N	3° 34.822' W
53° 24.276' N	3° 34.832' W
53° 24.288' N	3° 34.841' W
53° 24.300' N	3° 34.850' W
53° 24.312' N	3° 34.859' W
53° 24.324' N	3° 34.868' W
53° 24.336' N	3° 34.876' W
53° 24.349' N	3° 34.884' W
53° 24.361' N	3° 34.892' W
53° 24.373' N	3° 34.899' W
53° 24.386' N	3° 34.906' W
53° 24.398' N	3° 34.913' W
53° 24.411' N	3° 34.920' W
53° 24.423' N	3° 34.926' W
53° 24.436' N	3° 34.932' W
53° 24.448' N	3° 34.938' W
53° 24.461' N	3° 34.943' W
53° 24.474' N	3° 34.948' W
53° 24.487' N	3° 34.953' W
53° 24.499' N	3° 34.958' W
53° 24.512' N	3° 34.962' W
53° 24.525' N	3° 34.966' W
53° 24.538' N	3° 34.969' W
53° 24.551' N	3° 34.973' W
53° 24.564' N	3° 34.976' W
53° 24.577' N	3° 34.979' W
53° 24.590' N	3° 34.981' W
53° 24.603' N	3° 34.983' W
53° 24.616' N	3° 34.985' W
53° 24.629' N	3° 34.987' W
53° 24.642' N	3° 34.988' W
53° 24.655' N	3° 34.989' W

53° 24.669' N	3° 34.989' W
53° 24.681' N	3° 34.990' W
53° 25.154' N	3° 34.996' W
53° 25.711' N	3° 35.004' W
53° 26.281' N	3° 35.012' W
53° 26.824' N	3° 35.019' W
53° 27.387' N	3° 35.027' W

Licence Number: CML2365

Appendix 3: Map of Licensed Area



Licence Number: CML2365

Appendix 4: List of Supporting Approved Documents

Title/Description of Document	Date Submitted
CML2365 - Crossing GA for Douglas to Hamilton DHNX-1 and 6-105600BSDP84915_CDFE01_01.pdf	07 November 2023
CML2365 - Crossing GA for Douglas to Lennox DLX-1 and DLX-6-105600BSDP84917_CDFE01_01.pdf	07 November 2023
CML2365 - Douglas jacket and piles-structural materials quantities-105600BOEB90120_CDFE01_15.pdf	07 November 2023
CML2365 - Douglas Jacket-foundation piles details-105600BODE90136_CDFE01_01.pdf	07 November 2023
CML2365 - Douglas jacket-mud mat details-105600BODE90139_CDFE01_01_02.pdf	07 November 2023
CML2365 - Douglas jacket-mud mat details-105600BODE90139_CDFE01_02_02.pdf	07 November 2023
CML2365 - Douglas jacket-pile sleeves details-105600BODE90137_CDFE01_01_02.pdf	07 November 2023
CML2365 - Douglas jacket-pile sleeves details-105600BODE90137_CDFE01_02_02.pdf	07 November 2023
CML2365 - Douglas jacket-riser details-105600BODE90145_CDFE01_01_04.pdf	07 November 2023
CML2365 - Douglas jacket-riser details-105600BODE90145_CDFE01_02_04.pdf	07 November 2023
CML2365 - Douglas jacket-riser details-105600BODE90145_CDFE01_03_04.pdf	07 November 2023
CML2365 - Douglas jacket-riser details-105600BODE90145_CDFE01_04_04.pdf	07 November 2023
CML2365 - Douglas platform installation method statement - 105600BNMI85023_CDFE01_62.pdf	07 November 2023
CML2365 - Douglas platform location and pipelines and cables connections-105600BSDN84020_CSFS00_01.pdf	07 November 2023
CML2365 - Douglas platform overall layout-105600BTDG62100_CDFE03_01.pdf	07 November 2023
CML2365 - Douglas to Hamilton Main Alignment Sheets-1025DSBSDG84144_CDFE02_03.pdf	07 November 2023
CML2365 - Douglas to Hamilton North Alignment Sheets-1025DSBSDG84142_CDFE02_03.pdf	07 November 2023
CML2365 - Douglas to Lennox Alignment Sheets-1025DSBSDG84143_CDFE02_07.pdf	07 November 2023
CML2365 - Douglas to Satellites Approach Drawings-1025H0BSDN84112_CDFE06_02.pdf	07 November 2023
CML2365 - LBA CCS Ltd - PA2211-marine-works-application-form-FINAL - signed.pdf	07 November 2023
CML2365 - LBA CCS Ltd-ES Details FINAL.pdf	07 November 2023
CML2365 - LBA CCS Ltd-ML Application - Attachment 12(A) NRW Correspondence-FINAL.pdf	07 November 2023
CML2365 - LBA CCS Ltd-ML Application - Attachment 6(B)1 Red Line Boundary-FINAL.pdf	07 November 2023
CML2365 - LBA CCS Ltd-ML Application - Attachment 6(B)2 Area of Physical Works-FINAL.pdf	07 November 2023
CML2365 - LBA CCS Ltd-ML Application-Attachment -8(a) Materials estimate-FINAL.pdf	07 November 2023
CML2365 - LBA CCS Ltd-OFFSHORE-EIA-Summary of Project-FINAL.pdf	07 November 2023

Licence Number: CML2365

CML2365 - New Douglas pipeline connections study-105600BSRV84156_CDFE01_18.pdf	07 November 2023
CML2365 - New Douglas pipeline spools approach drawings-105600BSDN84152_CDFE03_03.pdf	07 November 2023
CML2365 - New Douglas pipeline spools tie-in drawings-105600BSDN84154_CDFE02_03.pdf	07 November 2023
CML2365 - New Douglas pipelines spools preliminary crossings report-1023DSBSRV84019_CDFE02_49.pdf	07 November 2023
CML2365 - Offshore cables preliminary Crossing Design Report-1025DSBSCZ84173_CDFE03_41.pdf	07 November 2023
CML2365 - OFFSHORE POWER CABLE PROTECTION REQUIREMENT-1025H0BSRV84107_CDFE06_43.pdf	07 November 2023
CML2365 - PA2211 – Marine Licence application - HyNet Carbon Dioxide Transportat.msg	07 November 2023
CML2365 - PoA to Douglas and Satellites Offshore cable installation procedure-1023DSBNMI85016_CDFE02_91.pdf	07 November 2023
CML2365 - PoA to Douglas Cable protection for crossings PoAX-4 and 5 and 6-1025HTBSDG84176_CDFE03_02.pdf	07 November 2023
CML2365 - PoA to Douglas power and FO cable Nearshore installation procedure-1025HTBNMI85019_CDFE02_95.pdf	07 November 2023
CML2365 - PoA to Douglas power cable 01 Alignment Sheets-1025H0BSDG84110_CDFE03_01 to 07_Signed ALL.pdf	07 November 2023
CML2365 - PoA to Douglas power cable 02 Alignment Sheets-1025H0BSDG84141_CDFE02_01 to 07.pdf	07 November 2023
CML2365 - Power and FO cable field layout plans-1025H0BSDG84104_CDFE10_02.pdf	07 November 2023
CML2365 - Proposed Development and Designated Sites.pdf	07 November 2023
CML2365 - Proposed Development and existing O&G licence blocks.pdf	07 November 2023
CML2365 - Proposed Development and Protected Subtidal Sites.pdf	07 November 2023
CML2365 - Proposed Development Location Map.pdf	07 November 2023
CML2365 - Proposed Development nearshore approaches.pdf	07 November 2023
CML2365 - Technical 8.1.02 - 52967-MET-009 - Example Spool Installation Method Statement.pdf	07 November 2023
CML2365 - Technical 8.1.04 - 52967-MET-011 - Example Spool and Mat Installation Method Statement.pdf	07 November 2023
CML2365 Fitness Checks applicant response.msg	07 November 2023
CML2365 Fitness Checks outcome application accepted.msg	07 November 2023
CML2365 Fitness Checks outcome to applicant.msg	07 November 2023
CML2365 Changes to documents summary and Annex 6(c).msg	07 November 2023
CML2365 LBA CCS Ltd-ML Application-Attachment -6(c) Supporting documentation.FIN.pdf	18 March 2024
CML2365 PoA to Douglas Cable protection for crossings PoAX-1-1025HTBSDG84174_CDFE03_01.pdf	07 November 2023
CML2365 PoA to Douglas Cable protection for crossings PoAX-2 and 3-1025HTBSDG84175_CDFE03_01.pdf	07 November 2023
CML2365 PoA to Douglas Cable protection for crossings PoAX-7 and 8-1025HTBSDG84177_CDFE03_01.pdf	07 November 2023

CML2365-LBA CCS Ltd_ES_Appendix A_SR_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix B_SO_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix C1_AQ_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix C2-AR_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix C3-SLVIA_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix D_MPC_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix E_EM&MC_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix F_CEA_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix G_TIS_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix H_PP TR_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix I_MBTR_NRW__FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix I1_MB ST_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix I2_MB IT_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix J_UWN TR_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix K1_OOB TR_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix K2_OOD TR_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix K3_OOI_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix K4_LT FTR_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix L_NRA TR_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix M_CF TR_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix N_MA TR_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix O_GHG_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix P_RIAA_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_Appendix Q_WFD_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_CH10_CF_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_CH11_MARCH_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_CH12_IOSU_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_CH13_CC_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_CH14_IRE_NRW_FINAL.pdf	28 February 2024

Licence Number: CML2365

CML2365-LBA CCS Ltd_ES_CH6_PP_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_CH7_MB_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_CH8_OO_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_CH9_SN_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_ES_ToC_NRW_FINAL.pdf	28 February 2024
CML2365-LBA CCS Ltd_OFFSHORE ES_Appendix R EMP_NRW_FINAL.pdf	07 November 2023
CML2365-LBA CCS Ltd_OFFSHORE ES_Appendix S MMMP_NRW_FINAL.pdf	07 November 2023
CML2365-LBA CCS Ltd_OFFSHORE ES_Appendix T INNS_NRW_FINAL.pdf	07 November 2023
CML2365-LBA CCS Ltd_OFFSHORE ES_Appendix U WSI_NRW_FINAL.pdf	07 November 2023
CML2365-LBA CCS Ltd_Offshore ES_CH1-5_INTRO_NRW-UPDATE.pdf	07 November 2023
CML2365-LBA CCS Ltd_OFFSHORE ES_NTS_NRW-FINAL.pdf	07 November 2023
CML2365 A4814 ENI Hynet CCS NRA_Rev04 Further Information	26 July 2024
CML2365 Consultation log to applicant-Rev_2.0.26.07.2024 Further Information	26 July 2024
CML2365 EHE7228B_TN_MM_Rev02 Further Information	26 July 2024
CML2365 MC000025_TN_Benthic_MBTN01_Rev02 Further Information	26 July 2024
CML2365 MC000025_TN_Fish_MBTN02_Rev02 Further Information	26 July 2024
CML2365 MC000025_TN_RIAA_MBTN04_Rev02 Further Information	26 July 2024
CML2365 EHE7228B_LB_HYNET_ES_CH09_SN_FINAL_For Submission_Rev01 Further Information	26 July 2024
CML2365 HyNet Offshore consultation by PoM 14 May 2024 - Eni Response DRAFT v2.0	26 July 2024
CML2365 WAE02282_TN_Physical_Processes_Rev01a Further Information	26 July 2024
CML2365 HyNet Project-wide Environmental Effects Report Further Information	26 July 2024
CML2365 Further Clarification response November 2024	06 November 2024
CML2365 Marine Licence Re-purposed Pipelines Lengths-04.02.2025	05 February 2025
CML2365 MC000025_ENI_Hynet_RevisedDevelopmentArea_WelshWaters_Coordinates_250206	07 February 2025
CML2365 LB CCS-Cable Realignment Technical Note-07.02.2025	07 February 2025