

## **Marine Licence with introductory note**

The Marine and Coastal Access Act (2009)

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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

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# **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<sub>2</sub> from Point of Ayr (PoA) Gas Terminal to a newly constructed Douglas Carbon Capture and Storage (CCS) platform and onto the CO<sub>2</sub> 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)

<b>Status log of this marine licence</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
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**

<b>Marine Licence or Application Number</b>	<b>Date</b>	<b>Comments</b>
CML2350	Issue date 25 April 2024	HyNet licence to install a new CO <sub>2</sub> pipeline under the Dee Estuary

End of introductory note.

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## 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**

<b>Activity 1 Cable laying and protection</b>	
Type of Licensed Activity	Deposit/Construction
Description	<ul style="list-style-type: none"><li>• 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.</li><li>• 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</li><li>• Installation of concrete mattresses and external rock protection at crossings of existing cables</li></ul>
Material types to be removed or deposited	Iron, Steel, Concrete, Rock, Plastic and Synthetics
Quantities/Dimensions	<ul style="list-style-type: none"><li>• Installation of up to 80km of armoured power cables with integrated fibre-optic cable</li><li>• 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.</li></ul> <p>Installation must fall within the quantities and dimensions set out in Appendix I.</p>
<b>Activity 2 Pipeline spool laying and protection</b>	
Type of Licensed Activity	Deposit/Construction
Description	<ul style="list-style-type: none"><li>• Installation of new sections of pipeline spools to connect the new Douglas CCS platform to the existing subsea natural gas pipelines.</li></ul>

	<ul style="list-style-type: none"> <li>Installation of concrete mattresses and external rock protection on sections of pipeline.</li> </ul>
Material types to be removed or deposited	Iron, Steel, Concrete, Rock, Plastic and Synthetics
Quantities/Dimensions	<p><b><u>Pipeline:</u></b> Approximately 1,720m of new pipeline will be installed, see Appendix 1 for details.</p> <p><b><u>Pipeline protection:</u></b> 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</p> <p><b><u>Pipeline support:</u></b> 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.</p>
<b>Activity 3 Clearance of Unexploded Ordnance (UXO)</b>	
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	<ul style="list-style-type: none"> <li>A maximum of 12 UXOs.</li> <li>A maximum UXO size of 907 kg.</li> <li>A maximum of one UXO clearance per 24 hours.</li> <li>A maximum total duration of clearance activities of 12 days</li> </ul>
<b>Activity 4 Installation of the New Douglas Carbon Capture and Storage (CCS) Platform and connecting to/repurposing existing pipelines</b>	
Type of Licensed Activity	Deposit/Construction
Description	<p>Installation of a new Douglas CCS Platform to the northwest of the exiting Douglas complex platform.</p> <p>The installation of the new Douglas CCS platform will include up to eight driven piles.</p> <p>Repurposing of the existing subsea natural gas pipelines for their change of use from hydrocarbon to CO<sub>2</sub> service.</p>
Material types to be removed or deposited	Iron, Steel, Concrete, Rock, Plastic and Synthetics

Quantities/Dimensions	<p><b><u>New Douglas Platform:</u></b></p> <p>The new Douglas platform topsides will comprise cellar, mezzanine, and weather decks.</p> <p>The platform jacket will be a four-legged steel structure piled to the seabed with steel piles.</p> <p>Installation must fall within the quantities and dimensions are set out in Appendix 1</p> <p><b><u>Repurposed pipeline lengths:</u></b></p> <p>Pipelines will be repurposed from transporting natural gas to transport CO<sub>2</sub> .</p> <p>Length of pipelines to be repurposed are set out in Appendix 1</p>
<b>Activity 5      Removal of accidentally dropped objects pursuant to condition 3.7</b>	
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](mailto: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](mailto: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](mailto: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](mailto: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



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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;

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- (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](mailto: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](mailto: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)

<b>Cable/Crossing ID</b>	<b>Protection Type</b>	<b>Number</b>	<b>Dimensions (m)</b>
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.

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- 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

**Appendix 2: Coordinates of Licensed Area**

<b>Latitude</b>	<b>Longitude</b>
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

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53° 24.492' N	3° 34.239' W
53° 24.436' N	3° 34.197' W
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53° 24.267' N	3° 33.952' W
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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
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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
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53° 23.227' N	3° 23.652' W
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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
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53° 22.657' N	3° 20.872' W
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53° 21.325' N	3° 20.222' W
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53° 24.071' N	3° 34.606' W
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53° 24.091' N	3° 34.635' W

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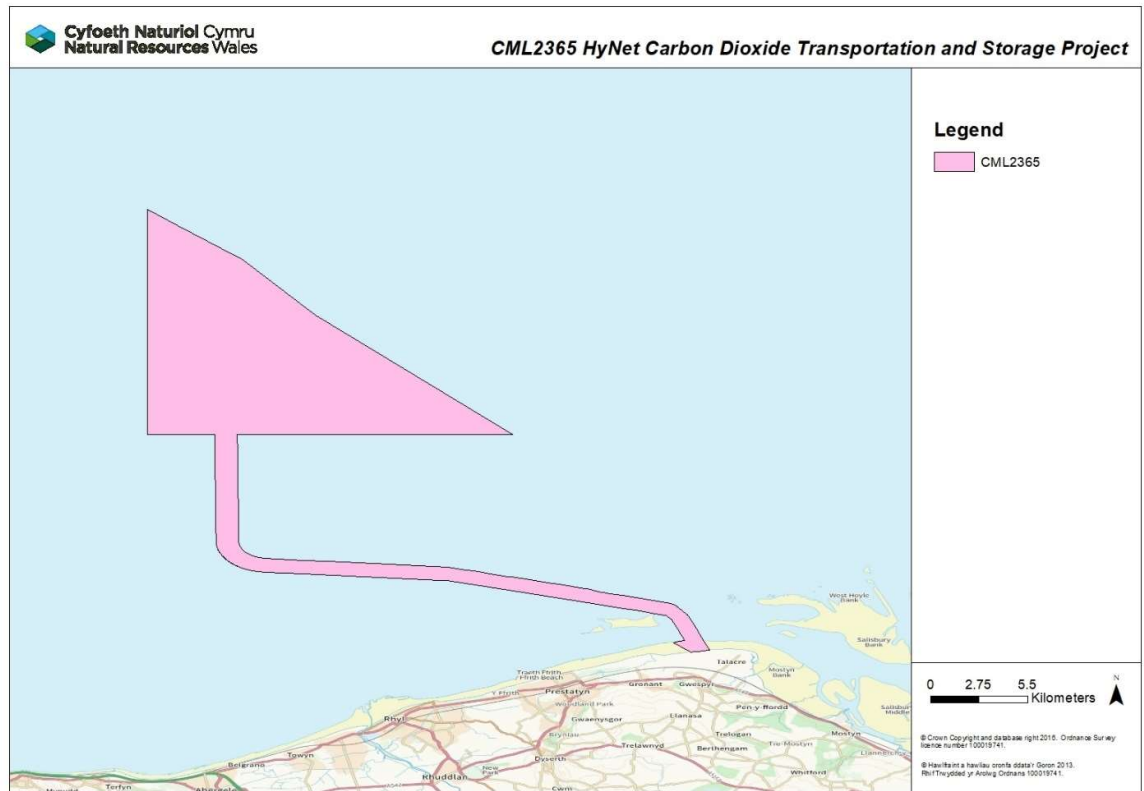
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53° 24.590' N	3° 34.981' W
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53° 24.616' N	3° 34.985' W
53° 24.629' N	3° 34.987' W
53° 24.642' N	3° 34.988' W
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53° 25.154' N	3° 34.996' W
53° 25.711' 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

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### Appendix 3: Map of Licensed Area



**Appendix 4: List of Supporting Approved Documents**

<b>Title/Description of Document</b>	<b>Date Submitted</b>
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

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CML2365 - New Douglas pipeline connections study-105600BSRV84156_CDFE01_18.pdf	07 November 2023
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