

Marine Licence with introductory note

The Marine and Coastal Access Act (2009)

Licence Holder: Fred Grainger

Trefri Hall,
Aberdovey,
Gwynedd,
Wales,
LL35 0RD

Ground Source Heating System in the Dyfi
Estuary

Licence Number: CML2259

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Introductory note

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

The main features of the marine licence are as follows.

A ground source heating system which uses buried pipes in the foreshore sand. The pipes would be part of a sealed system and utilised for absorbing heat energy from the estuary water, via the sand.

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	11 October 2022	Application received and considered to be duly made
Date licence determined	22 December 2022	Determination date

Related marine licences or applications under determination

Not Applicable

End of introductory note.

Licence Number: CML2259

MARINE LICENCE, NUMBER CML2259

1 LICENCE DETAILS

1.1 Marine Licence

This is a licence granted by the Licensing Authority in respect of an application numbered **CML2259** and duly made on **11 October 2022** and authorises the Licence Holder to carry on 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 person set out below:

Person Name: Fred Grainger

Address: Trefri Hall, Aberdovey, Gwynedd, Wales, LL35 0RD

1.3 Licence Validity

Licence Start Date	01 February 2023
Licence End Date	30 September 2023
Licence Issue Date	22 December 2022

1.4 Conditions

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

Signed:



Dr. Emmer Litt

For and on behalf of the Licensing Authority

2 LICENSED ACTIVITIES

2.1 Project

Ground Source Heating System in the Dysi Estuary

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 Installation of Ground Source Heating System	
Type of Licensed Activity	Deposit & Construction, Alteration or Improvement
Description	The project is for a ground source heating system which uses buried pipes in the foreshore sand. The pipes would be part of a sealed system and utilised for absorbing heat energy from the estuary water, via the sand. The ground source heating system will be entirely completed via remote control. This installation will be done when the tide is low over a period of 4 days using a small remote control plough trenching machine with tracks. This moves along the surface of the sand. The machine is brought back on shore each day before the tide rises. The machine pulls the pipe through the sand at the pre-defined depth. The pipes will be filled with freshwater, and pressure tested. Once pressure testing complete, freshwater drained on land and replaced with Glycol solution.
Material types to be removed or deposited	Deposited: MDPE Pipe (Plastic/Synthetic) Removed: None
Quantities/Dimensions	Maximum diameter of the MDPE Pipe is 40mm Maximum of 200m sections of MDPE pipe to be inserted. Maximum length of 2000m of MDPE pipe to be installed. Pipe to be buried to between 300mm and 500mm

Licence Number: CML2259

2.2 Licensed Area

The Licence Holder is authorised to conduct the activities described in Table 1 in the vicinity of the Dyfi Estuary bounded by the coordinates specified in Table 2 and as indicated in the plan attached at Appendix 1:

Table 2 **Coordinates**

Latitude	Longitude
52.547281	-4.0179459
52.546801	-4.0171127
52.546829	-4.0165388

In the event of any discrepancy between the coordinates set out above and the plan attached at Appendix 1, the coordinates shall take precedence.

2.3 Approved Supporting Documents

Title/Description of Document	Date Submitted
CML2259 - AL049 - Grainger - Trefri Hall - Marine-works-application-form	20 September 2022
CML2259 WNMP signposting doc	11 October 2022
CML2259 - AL049 - Grainger - Trefri Hall - Ordnance Survey Map	20 September 2022
CML2259 AL049 - Grainger - Trefri Hall - Grid References for Array Outline	11 October 2022
CML2259 AL049 - Grainger - Trefri Hall - Pipe Array	11 October 2022
CML2259 - AL049 - Grainger - Trefri Hall - MPEG (Mono Polyethylene Glycol) safety datasheet - Thermox-FPG	20 September 2022
CML2259 - AL049 - Grainger - Trefri Hall - Pipe Array	20 September 2022
CML2259 - AL049 - Grainger - Trefri Hall - Pipe Cross Section	20 September 2022

Licence Number: CML2259

CML2259 - AL049 - Grainger - Trefri Hall - RAMSAR Designation	20 September 2022
CML2259 - AL049 - Grainger - Trefri Hall - Special Area of Conservation Designation	20 September 2022
CML2259 - AL049 - Grainger - Trefri Hall - Special Protection Areas Designation	20 September 2022
CML2259 - AL049 - Grainger - Trefri Hall - WFD Habitats Higher sensitivity	20 September 2022
CML2259 - AL049 - Grainger - Trefri Hall - WFD Habitats Lower sensitivity	20 September 2022
CML2259 - AL049 - Grainger - Trefri Hall - WFD Scoping Assessment	20 September 2022

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.

3.2 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 at least **24 hours** prior to the commencement of Licensed Activities.

3.4 Notification of HM Coastguard

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 **zone30@hmcg.gov.uk**.

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.

Licence Number: CML2259

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 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.

3.8 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.

Licence Number: CML2259

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.

Licence Number: CML2259

Activity-specific Conditions

3.18 Greenland White-Fronted Geese (*Anser albifrons*) Timing Restrictions

The Licence Holder must ensure that no Licensed Activities take place between **01 November** and **14 April** inclusive, to avoid the overwintering season for Greenland White-Fronted Geese (*Anser albifrons*), without prior written approval from the Licensing Authority.

3.19 Notification of UKHO

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.

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 decimal degree (WGS 84).
- (q) in the event of any discrepancy between the coordinates listed in paragraph 2.2 and the plan attached at Appendix 1, 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
Permitting Service
29 Newport Road
Cambria House
Cardiff
CF24 0TP

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: wfmccmpc@gov.wales

Appendix 1

