



**Cyfoeth
Naturiol
Cymru
Natural
Resources
Wales**

Natural Resources Wales
Fully Received

27 SEP 2019

Cardiff

Permit Receipt Centre
Natural Resources Wales
29 Newport Road
Cambria House
Cardiff
CF24 0TP

Ffôn • Tel: 0300 065 3000

Ebost • email: enquiries@naturalresourceswales.gov.uk

Filling out this form: You can either: - print this form and fill out the relevant fields using **block capitals** and in **black ink** or - fill out the relevant fields on screen, then click Print form. The form must then be signed and returned to the above address or sent by email.

APPLICATION FOR A LICENCE TO UNDERTAKE MARINE ENERGY WORKS

Construction of offshore wind-farms, sub-tidal power and other energy generation schemes including barrages, onshore/underground and sub-sea cables, sub stations, scour protection under The Marine and Coastal Access Act 2009.

Please read these notes together with the legislation under which this application is made.

- The Marine Licensing Team (MLT) administers applications under Part 4 of the Marine and Coastal Access Act 2009 on behalf of the Welsh Ministers, as the Licensing Authority.
- In addition to a Marine Licence from the Welsh Government, you will also need; Section 36 consent from the Marine Management Organisation, under The Electricity Act 1989, if the output of your energy project is under 100MW. Or a Development Consent Order from the Infrastructure Planning Commission if your project is over 100MW.
- The completed application form, together with 13 copies, must each (both the original and the copies) be accompanied by a location plan, descriptive drawing(s) and any supporting environmental assessment. All should be submitted to the above address **at least 16 weeks before the licence is required**. Please note that should some of the material be protected by copyright you will be required to include additional copies of that material to facilitate the Marine Licensing Teams consultations (see question 6(b)). Where documents can be emailed or sent on CD we are happy to receive the additional 13 copies in this format, we will always require 1 complete hard copy for our records.
- Some projects may raise matters that require a significantly longer time for consideration. This is most likely to be the case for large projects where substantial volumes of material are to be deposited or excavated and those taking place adjacent to or within a marine conservation area or requiring an environmental statement under environmental impact assessment regulations. Applicants are advised to contact the MLT as early as possible during the planning stage in order to avoid delays in determining their application.
- **All activities need to comply with the Water Framework Directive (WFD). The framework and guidance can be found on the Natural Resources Wales website, <http://naturalresources.wales>. The results of your WFD assessment must be attached to your marine licence application.**
- Information should be provided about the anticipated duration of the entire project in respect of works below mean high water springs, together (where appropriate) with details of the planned phasing of the work for which consent is sought during the first year and each subsequent 12-month period. Further application may be necessary to renew a consent that is due to expire.
- A licence fee is payable in respect of an application. Details of fees can be found on our web pages.

Please note applications will not be processed without the correct relevant fee or invoicing details.

Payments can be made via Cheque, BACS or credit/debit card.

Cheques should be crossed and made payable to **Natural Resources Wales**.

For BACS payments ensure you provide the reference number (not remittance number)

For credit/debit card payments please complete the CC1 form and submit with the application. The CC1 form can be found on our web pages

Further information on payment methods can be found on our web pages

- Please answer all the questions. If any information is not available at the time of application please indicate at the appropriate section, giving reasons in a covering letter, and submit the details separately as soon as possible. Any delay in forwarding details is likely to result in a delay in determining your application.

It is the responsibility of the applicant to obtain any other consents or authorisations that may be required.

Project Description and cost

1(a). Please provide a brief description of the project

Directional drilling of approximately 500 mm diameter cable tunnel beneath the estuary of the River Rhymney. Drilling to be undertaken from a drilling pit to be created west (landward) of Rover Way at approximate NGR ST 21818 77269. Receiving pit to be positioned above Mean High Water Springs on the isthmus of land east of the river, at approximate NGR ST 22076 77596.

1(b). Please provide the estimated gross cost of the project (including materials and labour) for works that fall below Mean High Water Springs.

To be confirmed

Applicant's details

2. Applicant for licence

Title

Mr

Initials

D.

Surname

Thomas

Trading Title
(if appropriate)

Walters (UK) Ltd on behalf of Cardiff County Council

Full postal address
(including postcode)

Hirwaun House,
Hirwaun Industrial Estate,
Hirwaun,
CF44 9UL

Name of Contact
(if different)

Position in company
(if appropriate)

Site Manager

Telephone number
(including area code)

01685 815 100

Fax number

01685 815 101

(including area code)

Email address

Dai.Thomas@walters-group.co.uk

Company registration
number

02707042

Details of any agent, contractor and/or vessel used to carry out the works

3 (a). Agent Details

Title

Mr

Initials

G

Surname

Owen

Full postal address
(including postcode)

Yellow Sub Geo Ltd.,
7 Neptune Court,
Vanguard Way,
Cardiff, CF24 5PJ

Name of Contact
(if different)

Gareth Owen

Position in company
(if appropriate)

Director

Telephone number
(including area code)

07572 070 798

Fax number
(including area code)

N/A

Email address

gareth@yellowsubgeo.com

Company registration
Number

10888960

3 (b). Contractor Details

Walters UK Ltd will be Main Contractor and Principal Contractor

Drilling contractor to be confirmed

3 (c). Vessel Details

Operator

Name of vessel

N/A

N/A

3 (d). If the contractor or vessels are not known at application stage when do you expect to provide these details (please note these details will be required for the licence)

Drilling contractor to be confirmed in autumn 2019

Duration of project

4. Start date March 2020

Expected completion date April 2020

Project Details

5 (a). Type of works proposed (please tick all appropriate boxes)

Energy generation

- ☐ Windfarm ☐ Anemometry mast
☐ Tidal power/Tidal barrier

Onshore works

- ☐ Sub-station/Onshore cables*

Barrages and island

- ☐ Barrage ☐ Artificial reef
☐ Artificial island ☐ Habitat creation/Replacement

Cables

- ☒ Subsea cable/overhead/onshore cable

Navigation works

- ☐ Buoy/Navigation mark

Scour protection

- ☐ Gabion ☐ Mattress
☐ Rock placement ☐ Seabed investigation works

☐ Other

* Electricity Act section 37 consent will normally be required for onshore cables and sub-stations.

5 (b). **Please give full details below of the proposed project.** Where the project is expected to take longer than 12 months to complete, you should provide details of the work to be done during the first year and that planned for each subsequent 12-month period. **The method of construction should be described in the answer to question 6.**

The launch and receiving pits for the drilling will both be above Mean High, with the borehole then being directionally drilled beneath the bed of the tidal river mouth between these two points. The two landward works areas will be securely fenced within a compound and managed as construction sites. In broad terms, this work will comprise:

- Set-up of two works compounds, either side of the proposed river crossing route. The first of these is the drilling compound, the second is the receiving compound.
- Excavation of a pit in each location, providing the drilling rig with a suitable point of access and suitable point of exit from the sub-surface.
- Drilling of a small diameter (circa xx mm) pilot bore along the proposed alignment, some 12 m beneath sea level at its deepest.
- Once the drill string exits from the receiving pit, the drill head is swapped for a reaming head and the drill string drawn back through the pilot hole, reaming out to a larger diameter.
- As the reaming head is withdrawn, an HDPE borehole liner is drawn back through the borehole, providing the permanent casing to the borehole.
- Once the borehole liner is in place, two 150 mm HDPE ducts will be drawn through the borehole liner annulus, providing a duct for an 11kV electricity cable and a fibre-optic communications cable respectively.

For more details, please see the appended Supporting Information document.

5(c). **Please detail the location of the proposed construction project.** This should include either national grid references (NGR) or latitude and longitude coordinates to 2 decimal minutes) defining the extent of the project.

The approximate position of the planned launch and receiving pits are:

- Launch pit: ST 22076 77596
- Receiving pit: ST 21818 77269

5(d). **The following must be provided with the completed application form:**

- (i) a suitably scaled extract of an Ordnance Survey Map (1:25,000 scale or larger) or Admiralty Chart which should be marked to indicate:
 - the location of the project in relation to the surrounding area
 - the mean high water spring tide mark
 - any adjacent SAC, SSSI, SPA/Ramsar or similar conservation area boundary.
- (ii) construction plans and sections (showing work relative to tidal range) showing those proposed works below (seaward of) mean high water springs, which should give details of

the materials to be used (for beach nourishment the quantity and source of material to be deposited is also required).

- (iii) a descriptive schematic drawing and suitably scaled (for example 1:2,500 but not more than 1:10,000) location plan (either at A3 or A4 format) which show the full extent of the project in relation to the surrounding area.

The applicant should note that these drawings/plans may be copied to others as part of the MLT's consultation procedures. If they are subject to copyright, it is the **responsibility of the applicant to obtain the necessary approvals to reproduce the documents and to submit up to 13 copies with the application.**

6. Please provide a detailed method of construction, indicating any temporary structures, such as causeways, jetties, landing stages to be constructed below mean high water springs tide mark and the measures to be taken:

- (a) to minimise any risk to the marine environment
- (b) prevent undue interference to others
- (c) mooring of barges, pontoons, transshipment vessels
- (d) maintain navigational safety, including marking and lighting of works.

Please see appended Supporting Information

Please continue on a separate sheet if necessary. Please tick this box if you have done this ☐

7 (a). Description of materials to be deposited below mean high water spring (please tick all appropriate boxes).

- | | | | |
|--|-------------------------------------|-----------------------------------|--|
| ☐ Timber | ☐ Iron/Steel | ☐ Concrete | ☐ Sand |
| ☐ Silt | ☐ Stone/Rock | ☐ Gravel | ☐ Plastic/Synthetic |
| ☐ Biocides or other chemicals | ☐ Other | | |

If **other**, please describe:

7 (b). **Method of delivery of materials.** If sea delivery, please include details of the vessels to be used with a chart of the proposed route and any proposed transshipment area.

All materials to be delivered to works compounds via land (lorry) movements along existing highways and existing tracks within the Lamby Way Landfill landholding.

7 (c). **Description of objects/materials to be removed from below mean high water springs.**

No materials to be removed from land surface/ tidal land surface/ seabed.
Water flush to be used during drilling process to bring drilling arisings (muds, gravels and mudstone broken into sand and gravel particles) to surface.

7 (d). **Method of removal.**

Water flush to be used during drilling process to bring drilling arisings (muds, gravels and mudstone broken into sand and gravel particles) to surface.
No drilling additives to be used – water only. Water is screened and filtered before recirculation into borehole. Drilling arisings are to be disposed of from site by lorry. Water to be disposed of off site upon completion of drilling.

7 (e). **For work involving salt marsh feeding, beach replenishment or land reclamation please provide the following information relating to the material to be deposited.**

(i) quantity (tonnes)

(ii) nature of material (sand, silt, gravel)

(iii) source (state location if sea dredged)

(iv) has the material been chemically analysed?

Yes ☐

No ☐

If **yes**, please include the analysis data with your application.

(v) particle size (including specific gravity)

8. Will there be a need to make any temporary deposit of material below mean high water springs during the works?

Yes ☐

No ☒

If **yes**, please explain why and give the coordinates of the proposed temporary deposit site.

9. Do you intend to apply for a licence to dispose at sea material dredged as part of the works

Yes ☐ No ☒

If yes, please indicate:

(i) nature of material for disposal (sand, gravel)

(ii) quantity of material disposal (tonnes)

10. Please detail below all consents you have applied for or received

Type of consent	Applied for	Not applied for	Reference number	Date of issue
i. MMO - Section 36 Electricity Act 1989 Consent (if output is under 100MW).	☐	☒		
ii. Infrastructure Planning Commission - Development Consent Order (if output is over 100MW).	☐	☒		
iii. Local planning authority (LPA) such as Town and Country Planning Act 1990	☒	☐	In process of application	
Name and address of LPA for location of proposed works	Cardiff City Council County Hall Atlantic Wharf Cardiff			
iv. Land owner such as The Crown Estate, Duchy of Cornwall	☐	☒		
v. Local port or harbour authority such as a local work licence*	☐	☒		
iv. Environment Agency	☐	☒		
v. Other including Transport	☐	☒		

adverse environmental impacts, particularly upon designated European sites of conservation importance, such as special areas of conservation (SAC), special protection areas (SPA), sites of special scientific interest (SSSI) or Ramsar sites and other areas listed under the Conservation of Habitats and Species Regulations 2017. If the applicant (particularly if they have statutory powers for consenting aspects of these works) has been in consultation with the appropriate nature conservation body natural Resources Wales (NRW), Natural England (NE) or Scottish Natural Heritage (SNH) (for oil and gas work in Scottish waters)) it is likely to hasten processing of the consents if copies of all such correspondence are submitted with the application.

Where the views of NRW, NE, or SNH are not known, the MLT will undertake consultation with the appropriate body about the application. Please provide copies of correspondence with NRW, NE or SNH or indicate below if no consultation has yet taken place.

NRW were an integral part of the consultation and approval process for the planning application for the Lamby Way solar farm, to which these works are to be connected. NRW MLT have been previously consulted about these proposals (in emails dated 26th and 31st July 2019, ref. Q19068). Neither Walters nor Yellow Sub have consulted with other parts of NRW about these cabling works. CCC have discussed the proposed works with NRW.

Please continue on a separate sheet if necessary. Please tick this box if you have done this. ☐

13(b). Are any part of the proposed works located within the boundaries of a designated conservation area (SAC, SPA, SSSI or Ramsar sites) Yes ☐ No ☒

13 (c). If yes, which designated site (s) will the works fall within.

13(d). Please provide a description of measures proposed to avoid any impacts on European sites of conservation importance.

Please continue on a separate sheet if necessary. Please tick this box if you have done this. ☐

13 (e). If no, and the boundary of the nearest such site is within 2 km, please indicate approximate distance of the works from this boundary (in km). 0.03km (30 m)

14 (a). Have you considered the works under the *Environmental Impact Assessment Directive* (Directive 85/337/EEC - as amended) on the assessment of the effects of certain public and private projects on the environment? If so, do you consider the works to fall within:

Annex I ☐ Annex II ☐

14 (b). Have you applied for a screening or scoping opinion from the MLT under the Marine Works (Environmental Impact Assessment) Regulations 2007 (as amended)?

Yes ☒ No ☐

If yes, what is the reference?

Q19068

14 (c). Has an environmental statement/assessment been undertaken to support any planning application in respect of the works, your own statutory powers (if applicable) or for any other reason?

Yes ☒ No ☐

If yes, is a copy of the assessment included with this application?

Yes ☒ No ☐

14 (d). Please provide an explanation if the assessment has been made and a copy is not available.

14 (e). Is the environmental assessment available for public inspection?

Yes ☐ No ☒

If yes, at what locations?

Public Register

Under section 101 of the Marine and Coastal Access Act 2009, all information contained within or provided in support of this application will be placed on the Public Register unless the Welsh Ministers approve the applicant's reasons for withholding all or part.

15. Is there any information contained within or provided in support of this application that you consider should not be included on the Public Register on grounds that its disclosure:

15(a). Would be contrary to the interest of national security?

Yes ☐ No ☒

15(b). Would prejudice to an unreasonable degree your, or some other person's commercial interest or those of a third party?

Yes ☐ No ☒

If yes to either (a) or (b), please provide full justification as to why all or part of the information you have provided should be withheld.

Application Fee

16(a). What are the corresponding fee band for this application? Band 2 ☒ Band 3 ☐

16(b) Band 2 Only

Projects are charged at a fixed fee of £1920. The application will not be processed until the correct fee has been provided.

Please provide the method of payment

Method	Yes (✓)	Reference Number
Cheque	☒	
BACS (not remittance no.)	☐	
World Pay (phone or CC1)	☐	

Please attach CC1 Form with application. Can be found on our web pages

16(c) Band 3 Application only

Band 3 applications are charged at on hourly rate of £120 and are invoiced in arrears. Please complete the details below which will be required for invoicing.

Customer Name	
FAO	
Purchase order number	
Address for invoice	
Telephone Number	
Email Address	

Declaration

I declare that to the best of my knowledge and belief that the information given in this form and related papers is true.

Warning: It is an offence under the Marine and Coastal Access Act 2009 under which this application is made to fail to disclose information or to provide false or misleading information.

Signature



Date __20-9-19__

Name (in capital letters)

GARETH OWEN

Position in company (if appropriate)

DIRECTOR

Please check carefully the information you have given and that all the enclosures (including copies) have been included.

For Official use only

File Reference

Foreshore plan number

Cheque number

Date received

Payee name

Amount Paid

Remittance slip number