

Apply for a Band 1 marine licence

Project description

Project name
Newgale Beach Bore Hole

Please provide a brief description of the proposed project, including location.
To carry out a single bore hole for a feasibility survey to investigate the geology of the Northern area of Newgale beach Pembrokeshire ahead of the proposed subsea cable landing which requires horizontal directional drilling.

Does the activity have an estimated project cost for marine works over £1 million? If yes, the activity is no longer eligible for a band 1 application and a band 3 application will be required.
No

Applicant details

To whom the licence will be issued. This must be a legal entity such as an individual, registered company/ charity or public body.	
Title	Mr
Full name	Chris Munro
Company or trading name	BRM Utility Services Ltd
Company Registration Number (if applicable)	NI642050
Name of contact or individual (if different)	Chris Munro
Position in company	Project Manager
Address (provide registered company address if applicable)	25c Longfield Ind. Est. East Eglinton Londonderry Northern Ireland - -
Postcode	BT47 3GR
Telephone number	07787423983
Email address	chris.munro@brmusl.co.uk

Details of agent, contractor, vehicles and/or vessels used to carry out works

Will the works require the use of vessels?

No

Will the works require the use of any vehicles?

Yes

Proposed project details

Licensable period

Determination of applications will be based on the works taking place during these dates. Please ensure you have included an adequate contingency period. If works are not completed by the requested licence expiry date you may be required to submit a new application. Including a contingency period within your original application does not impact on the licence fee.

Start date (DD/MM/YYYY) 12/11/2024

Requested licence expiry date (DD/MM/YYYY) 12/11/2025

Please detail the location of the proposed project.

This should be either Ordnance Survey National Grid Reference (i.e. SN 12345 67890) or Latitude and Longitude in decimal degrees to 4 decimal places (i.e. Lat 52.1234 Long -4.1234), defining the extent of the project. Please specify which coordinate system has been used and if using GIS co-ordinates, specify which projection has been used.

Ordnance Survey National Grid reference - SM 84723 22226 - Newgale Beach, Pembrokeshire, Wales.

Method statement

Are the works within a sensitive area or one of the following activities: boreholes, replacement piles or beach management?

Yes

Band 1 method statement template

You can upload your method statement here or fill in the questions below.

- File: Beach access area.pdf - [Download](#)
- File: Beach.BRM.NEWGALE.ROT.AMF.24.ii.pdf - [Download](#)
- File: Bore hole location.pdf - [Download](#)

Please provide a brief summary of the application including location of the works (coordinates - lat/long, decimal degrees). For activities that cover a large area please provide coordinates of the approximate extent of works.

Location of works is the Northern area of Newgale Beach, Pembrokeshire 51.856987/-5.127571 where we are proposing to carry out a bore hole to investigate the geology of the beach for our feasibility survey ahead of the proposed subsea fibre optic cable landing at Newgale.

Scope of works

Please provide a full description of all proposed works including: Sequence of works (mobilisation, marine works, site remediation (if required)) Estimated timing of works (duration, working hours, day/night, plus contingency) Plant, machinery or vessel required Estimated quantities (removals, deposits, construction materials)

Regarding specifics

Contract tractor and trailer to haul rig and support plant across beach approx. 400m. This will cover any potential issues with evacuating the rig from the beach if the rig were to break down so it's not stuck on the beach when the tide comes in.

Working times to be determined by the tide at the time. We would be looking to pick a day where the high tide is approx. 5-6am which gives us the largest working window throughout the day between tides. The works we propose should be completed within one day 2 days maximum.

Plant and machinery will be a low loader and tractor for the rig, x4 wheel drive vehicle with water bowser, once at location the rig will be situated in place.

small samples to be taken from the hole for the geologist to complete their report, vacant space to be back filled with bentonite pellets to below sand level and the beach reinstated with the extracted sand.

Plant not to be turned off at any point throughout the day.

BRM to keep an observation on the tide, once on the way in it plan to be demobilised.

Casing of overburden as follows.

An Odex driver is a three-piece assembly including a pilot bit, reamer, and guide device.

When drilling begins, the Odex driver is rotated clockwise which causes the Odex driver to rotate eccentrically subsequently drilling an oversized borehole which is wide enough for the thin wall casing to follow behind the reamer.

When drilling begins, the shoe (central bit drive ring) is driven to the hole bottom, meanwhile the casing shoe and tube is pushed and pulled down respectively.

When the required depth or competent strata is reached, the Odex driver is reverse rotated which causes the reamer to rotate concentrically allowing the Odex driver to be removed from the borehole with the casing remaining in place.

Open hole drilling as follows

Once in bedrock the casing drivers will be removed, and drilling will continue using a down the hole hammer fitted with a 110 mm ø hammer bit.

Access and working areas

Please provide details of access to the site and working areas. This should include:
Attached map of the access/egress route and working areas (annotated aerial image and/or OS map)
Predicted plant/vehicle movements
Storage areas for plant, equipment and materials (if required)
Risks to navigation

According to the MCA and Trinity House there is no risk to navigation.

Tractor and low loader to haul the drilling rig from the access point to the drill site for speed and for evacuation if anything were to break down on the rig. It is approx. 400m from the access point to the drill site. Please see attachments.

There is a public carpark at the beach access point that we can use if we do need to store plant over night that would have a security guard present to protect the plant.

Environmental mitigation

Please list appropriate mitigation measures to minimise impacts on the marine environment these may include: Pollution prevention and control procedure (guidance available on the NetRegs website) Spill response kits Minimise plant traffic Designated access and egress routes Storage of materials (fuel, chemicals, construction waste) Biosecurity (guidance available at <http://www.snh.gov.uk/docs/A1294630.pdf>)

Note: To assist you, the following mitigation statements will be used as conditions within the licence. By signing this method statement you will be agreeing to adhere to these restrictions. If you are unable to do this, the application will not qualify as Band 1. All equipment, temporary structures, access tracks, waste and/or debris associated with the works will be removed on completion of the works. Bunding, storage facilities and spill kits will be employed to contain and prevent the release of fuel, oils and chemicals associated with the plant, refuelling and construction equipment into the marine environment. Plant, vehicles and machinery will not be refuelled on the foreshore. Coatings and treatments will be suitable for use in the marine environment and are used in accordance with best environmental practice. All equipment, materials, machinery and PPE used will be in a clean condition prior to their arrival on site, and upon removal from site, to minimise risk of introducing non-native species into the marine environment. In the event of removal of any sensitive species or habitat designated by NRW under Schedule 7 of the Environment (Wales) Act 2016, no further removals will occur at that location or within 20m of that location.

Please list your bespoke mitigations here:

The above mitigation statements basically do cover the minor works that we will be carrying out and we will adhere to those statements.

Already stated is the use of a tractor and low loader to transport the drill rig as this is quicker and enables us to evacuate the beach if anything were to happen to the rig as it only moves at 1mph.

Obviously keeping the speed down to 5mph due to this being a public beach.

Attached is the designated access and egress routes to the beach due to the high shingle banking.

Storage of materials will adhere to COSHH regulations, any construction waste/spoil will be removed and disposed of and recycled where possible at Lawrence Landfill a licensed company.

We will ensure all plant, machinery etc is clean to protect the biosecurity of the area.

Materials of the project

Description of materials to be deposited seaward of Mean High Water Springs (MHWS)
(Please tick all that apply)

Other (please provide a description of materials):
bentonite pellets

Delivery method of materials to site

If sea delivery, details of vessels to be used with a chart of proposed route and transshipment area is required. If delivery is by vehicle, the details about the proposed access route are required. Please indicate if you are providing details in a separate file.

NA

Will the works involve removals seaward of MHWS?

Yes

Description of materials to be removed seaward of MHWS (Please tick all that apply)

Silt

Stone/rock

Gravel

Sand

Other

Description of objects/materials to be removed seaward of MHWS, including quantities to be removed.

This is dependant of the geological make up of the beach area. this is the reason why we are conducting a bore hole to take samples of the geological make up of the ground.

Additional information

Please provide the following:

You must include a suitably scaled extract of an Ordnance Survey Map or Admiralty Chart with location of project complete with north arrow and scale

If applicable, any construction plans and sectional drawings showing those proposed works below/seaward of MHWS, which should give details of the materials to be used (for beach replenishment the quantity, particle size and source of material to be deposited and deposit location is also required)

You must include details of correspondence with MCA, Trinity House and The Crown Estate

You must include any pre application advice/correspondence with NRW

Correspondence with RCAHWW (B1 removals only)

Please upload these below

- File: RCAHMW Borehole Survey.pdf - [Download](#)
- File: Q24106 Marine Licence enquiry NRW01533634.pdf - [Download](#)
- File: MCA Borehole investigation works Newgale Response.pdf - [Download](#)
- File: bore hole method.pdf - [Download](#)
- File: Screenshot 2024-08-21 at 15.54.48.png - [Download](#)
- File: Bore hole location.pdf - [Download](#)
- File: Trinity House Marine Licence application.pdf - [Download](#)

Please list below all supporting documents that have been submitted with this application.

Please see attached correspondence from the MCA approving the application as long as there 4 points in the email are adhered to which we have agreed.

Approval from the RCAHMW as long as we share geological data with them as there is reportedly a prehistoric forest below the beach.

Correspondence with NRW confirming a phone call and what class of licence is required.

Correspondence from Trinity House confirming that they have no objection or concerns with the works.

Bore hole method with example pictures of bagged samples.

Statutory powers

Does the applicant have statutory powers to consent any aspect of the project? e.g. coast protection authority, dredging powers, statutory undertakers

No

Public register

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 the grounds that its disclosure:

	Yes	No
Would be contrary to the interest of National Security?		X
Would prejudice to an unreasonable degree you, or some other person's commercial interest or those of a third party?		X

Application fee

Please provide the method of payment

World pay (please contact the Permit Receipt Centre)

Reference number (not BACS remittance no.)

PRCAPPBRMUT001

Declaration

I declare that to the best of my knowledge and belief that the information given in this application form and supporting documentation 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. This could invalidate any licence granted.

Name	Chris Munro
Date	20/09/2024
Position in company	Project Manager

If you would like a copy of your completed form, please add your preferred email address below:

chris.munro@brmusl.co.uk