

Application for a Band 1 Marine Licence

Project description

Project name

Llanfairfechan Coastal Defence Improvements - GI

Please provide a brief description of the proposed project, including location.

Llanfairfechan coastal sea defence is approximately 1.8km in length and comprises several forms of construction which are all of gravity construction using the following materials - masonry, mass concrete and rock armour. The proposed works are to update and improve these defences by raising them along the line of existing defences. The current proposals do not include demolition or replacement; the works will raise the defence by casting a new concrete beam on top of the existing wall.

The first stage of the works is to determine that the ground conditions on site are suitable, and that the foundations of the existing wall have sufficient capacity to accommodate the proposed increase in defence height. To perform these checks a number of boreholes and trial pits are required along the wall, on both the seaward and landward sides. These ground investigation works are the subject of this Band 1 Marine Licence; the principal construction works are considered to require a Band 2 or 3 licence (pending confirmation of estimated scheme cost) which will be submitted separately.

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	-
Full name	-
Company or trading name	Conwy County Borough Council
Company Registration Number (if applicable)	-
Name of contact or individual (if different)	Mr Sam Parkinson
Position in company	Civil Engineer
Address (provide registered company address if applicable)	Bodlondeb Council Offices Bangor Rd Conwy
Postcode	LL32 8DU
Telephone number	01492 575232
Email address	sam.parkinson@conwy.gov.uk

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

Does the applicant wish to be included in all correspondence?

Yes

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) 10/01/2022

Requested licence expiry date (DD/MM/YYYY) 10/09/2022

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.

Latitude Longitude

53.260779 -3.9723784

53.261131 -3.9726359

53.260624 -3.9752215

53.260137 -3.9801461

53.259739 -3.9831716

53.259501 -3.9827961

53.259752 -3.9800817

53.259899 -3.9769596

Boreholes to take place along the length of the frontage between these coordinates.

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

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.

The works are to determine ground conditions on site and the condition of the foundations of the existing coastal defence (concrete gravity) wall. To perform these checks a number of boreholes and trial pits are required along the wall, on both the seaward (beach) and landward sides. These ground investigation works are the subject of this Band 1 Marine Licence.

Coordinates on WGS84 grid:

West extent 53.259553 Lat. -3.9825654 Long.

East extent 53.260740 Lat. -3.9724481 Long.

Maximum extent coordinates:

Latitude Longitude

53.260779 -3.9723784

53.261131 -3.9726359

53.260624 -3.9752215

53.260137 -3.9801461

53.259739 -3.9831716

53.259501 -3.9827961

53.259752 -3.9800817

53.259899 -3.9769596

Boreholes to take place along the length of the foreshore between these coordinates. The boreholes will be taken up to approx. 5m offset from the edge of the wall.

The rig will be towed behind a 4x4/tractor/Hiab and parked in site compound in the Car Park (53.259431 , -3.9814979). Rig and vehicle will be clean prior to being brought to the site.

At the end of each day of operation, machinery will be brought to a safe location away from the foreshore, for example it may be stored at the car park, or taken back to the supplier if located suitably nearby (supplier details are TBC).

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)

The works to run the boreholes will take place over approx. 10 days. No works to be done at high tide or in windy/stormy conditions. Due to the time of year, works may occur in the dark (post-sunset) but night-working is generally not required. Lighting and pedestrian barriers will be in place. The exact timing of the works will vary depending on tides.

The general stages are listed below:

1. Mobilise to site and establish main compound in car park.
2. Load and prepare borehole digging plant and mark out boreholes on site. Prepare temporary track if required due to on-site conditions (low capacity ground/loose sand etc.). This would be a track mat or similar product if required, however due to the nature of the beach and the location far up the beach - away from tidal sands - it is not considered likely that such measures would be required.
3. Travel to location on beach and set up borehole plant, including pedestrian restraints and lighting (if required).
4. Complete first borehole.
5. Travel to second site and complete second borehole. Further boreholes to be dug while tide and weather conditions allow. Track mat can be relocated if required along this second stretch, although as noted conditions on site are generally considered suitable.
6. Complete remaining boreholes as required over the allocated period (10 days).
7. Remove plant (and temporary tracking path if used) and de-mobilise from site.

No materials are to be removed or left on site once the works are completed.

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

Refer to Access and Site Location Plan for details. Note: available aerial photography (used on this plan) shows the tide when nearly at high tide. The access routes shown therefore show the vehicles travelling through the ocean to reach their destination. In actuality, plant will not enter the marine environment and will only move in/out at lower tides.

Access to the borehole positions shall be via the beach access ramp at the end of the promenade. As the beach presents possible soft sandy ground, a temporary track in the form of planks or geogrid may be placed down and used to improve vehicle weight distribution - however this is unlikely given a site walkover indicated no areas of overly loose ground material nor steep gradients or other constraints on plant movement. Hole locations will be marked out and fenced off ahead of time. Photographs will be taken both pre and post drilling to record site conditions.

Upon completion of the works, equipment and fencing/lighting will be moved to the next hole or removed from the site and cleaned. The resulting hole will be backfilled with site material. A Site Supervisor will ensure the site is left in condition suitable for the general public, with no equipment, beach material, fencing, plant etc. left on site. The Site Supervisor will also ensure that access to the site areas are controlled as necessary to protect the public.

As the works are not taking place in the sea, and will occur at lower tides when the beach and foundations are exposed, no risks to navigation are expected.

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:

Any material (geogrid/timber) used for temporary access will be removed prior to de-mobilisation from site.

The borehole plant and vehicle will be clean prior to use on site to prevent contamination.

No invasive species have been identified in the Preliminary Environmental Baseline report within or adjacent to site.

No activities are planned within the marine environment.

No operations likely to generate excessive noise or vibration are planned (sheet piling etc.).

No corrosive, toxic, poisonous or other chemically active substances are proposed for use on site.

Vehicle refuelling will occur away from the foreshore. Spill kits will be available.

Spill kits will also be available on site during the works in the event of an unexpected fuel leak.

Additional information

Please list any additional information that may help with the application:
Consents/permissions required
List of plans or drawings attached to method statement
Emergency procedures
Contact details

If any further information is required please contact the Project Manager for Conwy County Borough Council in the first instance. Contact details below:
Name: Sam Parkinson
Phone: 01492 575232
Email: sam.parkinson@conwy.gov.uk

Materials of the project

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.

No materials expected to be delivered to site. However, if a temporary access track is required, a plastic geogrid is the most likely solution - for example <https://getfods.com/residential>. This would be removed at the end of the works.

Borehole rig will be towed to site, either on a trailer attached to a tractor or 4x4, or integrated on the back of a Hiab.

Will the works involve removals seaward of MHWS?

No

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

None.

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

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

Please upload these below

- File: Project Location Plan.docx - [Download](#)
- File: Access and Site Location Plan.pdf - [Download](#)
- File: Trinity RE Marine Licence Application - Llanfairfechan.docx - [Download](#)
- File: NavSafety_RE Marine Licence Application - Llanfairfechan.docx - [Download](#)

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

Project Location Plan

Access and Site Location Plan

Email confirmation from Trinity House (not allowed to upload .msg files or .zip files) received 17-Dec-2021

Email confirmation from MCA (not allowed to upload .msg files or .zip files) received 10-Dec-2021

Statutory powers

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

Yes

If yes, please give details and state the relevant legislation that gives these powers.

Local Government Act 1972 and Local Government (Wales) Act 1994

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

BACS

Reference number (not BACS remittance no.)

PRCAPCCBC1602B

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 Sam Parkinson

Date 21-01-2022

Position in company Project Manager - Llanfairfechan Coast Defence Improvement Scheme

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

sam.parkinson@conwy.gov.uk