

Application for a Band 1 Marine Licence

Project description

Project name

Channel View Footbridge Ground Investigation

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

Arcadis has been contracted to carry out a ground investigation to obtain geotechnical and geo-environmental data to facilitate design and construction of the new Channel View Footbridge in the River Taff in Cardiff.

As part of the ground investigation it is proposed that we carry out 3no. boreholes across the River Taff - this will be carried out via the use of a drilling rig on a pontoon or jack-up. The other locations are situated in 'The Marl' and 'Hamadryad Park' to the east and west of the River Taff.

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	Ross Feighoney
Company or trading name	Arcadis UK Ltd
Company Registration Number (if applicable)	OC368843
Name of contact or individual (if different)	Ross Feighoney
Position in company	Senior Site Investigation Engineer
Address (provide registered company address if applicable)	80 Fenchurch Street London United Kingdom
Postcode	EC3M 4BY
Telephone number	07734778783
Email address	Ross.Feighoney@arcadis.com

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?

Yes

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) 01/03/2023

Requested licence expiry date (DD/MM/YYYY) 31/03/2024

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.

ST 18228 74110

This is the coordinate for the most central borehole to be drilled in the River Taff

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: MS - Channel View Footbridge-RAMS- Rotary Drilling-Arcadis-D-P01 - Licence Application.pdf - [Download](#)
- File: EHP - COMPILED.pdf - [Download](#)
- File: Pure-Bore EU SDS v.12.pdf - [Download](#)
- File: Pure-Bore.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.

Coordinates are within the EHP-COMPILE Document and show the extent of the works - both on and nearshore.

I was informed that the work area in the river is within a saltmarsh area BUT upon further investigation it was found to not be protected - will attach information - though already provided to NRW.

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)

Mobilisation will be conducted from ABP Ports docks and then the pontoon and work boat will pass through the barrage/lock with agreement via the Harbour master - already in discussion/contact with them.

Duration - likely 3 weeks - maybe a slightly longer - max 4 weeks.

Equipment: pontoon, workboat, support boat (for ferrying staff to and from pontoon), drilling rig and ancillary equipment will be on the pontoon.

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

Access via the barrage/dock/lock in Cardiff Bay.

Pontoon and workboat will be stationed at each borehole location for approx. 7 days at each borehole location - likely shorter if weekend working is allowed.

Support boat - daily movements to and from the pontoon - start and end of each shift.

Risks to navigation - will supply plans to Harbourmaster - as discussed with them during meetings between Arcadis, marine supplier and harbourmaster. Risks will be kept to a minimum.

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 drilling methods to be employed on site will use environmentally friendly materials:

- Biodegradable lubricants
- Food grade grease/vegetable oil
- Suitable spill kits will be on board the barge and workboat.
- Fuel containers to be bunded
- Flushing method when drilling – we will be using water flush –recirculated river water – water to be drawn from the dock/river then recirculated via a hose to the 'mud' tanks. Once the flush is settled the water will be returned to the river via a hose lowered down between the casings.
- Backfill material is inert – bentonite pellets are manufactured clay pellets that rehydrate once in the borehole.

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

COSHH Data sheet attached for drilling additive - Purebore - COSHH sheet supplied to NRW during conversations about abstraction and discharge licence discussions.

From discussions with NRW relating to the fishpass and limited working window of January thru end of March we also understand that the harbourmaster conducts dredging activity in the bay in August - September and would like to explore the option of carrying out the drilling during this period also.

Materials of the project

Will the works involve removals seaward of MHWS?

No

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

N/A

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

You must include any pre application advice/correspondence with NRW

Correspondence with RCAHWW (B1 removals only)

Please upload these below

- File: Abstraction - Discharge Licence.pdf - [Download](#)
- File: Trinity House.pdf - [Download](#)
- File: Crown Estate.pdf - [Download](#)
- File: MCA.pdf - [Download](#)
- File: RCAHWW.pdf - [Download](#)
- File: EHP - COMPILED.pdf - [Download](#)
- File: APEM - SALTMARSH 1.pdf - [Download](#)
- File: APEM - SALTMARSH 2.pdf - [Download](#)
- File: SALMONID Discussion.pdf - [Download](#)

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

NRW email discussion regarding water abstraction/discharge, saltmarsh and salmonid.

Emails from/with Trinity House, The Crown Estate, MCA and RCAHWW.

Exploratory Hole Plan (EHP) showing on shore and near shore locations along with bathymetric survey data and coordinates of the locations to be drilled.

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)

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 Nicholas Donnison
Date 28/02/2023
Position in company Senior Site Investigation Engineer

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

Nick.Donnison@arcadis.com