

FORM WRA: Applicant details and proposal outline

Application type and fee

Please generate a reference number. It should start with "WR" followed by your organisation or company name and today's date in four-digit format (DDMM) without spaces or punctuation.

Example: WRNATURALRESOURCESWALES1101

Please use this use this number throughout this application. This reference number can also be used for your BACS reference if paying electronically.

WRKNIGHTSBROWN3001

For the application types listed, complete this form and/or the relevant additional forms named below. Tick the type of application you are applying for. Please refer to our Find out if you need a licence web-page for an explanation for the different licence types. If your proposal involves multiple licence types, tick all that apply.

See our Charges for abstraction and impoundment applications web page for details of application fees and how to pay.

New full abstraction licence. Also complete form WRD.

Please indicate how you wish to pay your application fee. If paying by BACS, please quote the reference number created in question 1 when setting up the bank transfer.

If paying by cheque, please ensure you add the six digit cheque number below.

Credit or debit card

Applicant details

Applicant type

Individual

Applicant details

Full Name Joseph Palmer

Company, Charity or Trading Name Knights Brown Construction Ltd

Company or Charity Registration Number Knights Brown Construction Ltd

Applicant Registered Address

Line 1 160 Christchurch Road
Line 2 Ringwood
Line 3 Hampshire
Line 4 -
Postcode BH24 3AR

Applicant Contact details

Office Telephone Number 01656 667601
Mobile Telephone Number +447392087519
Email Address joseph.palmer@knightsbrown.co.uk

Please indicate who we should contact regarding operation of your site, this should be the person responsible for the day to day running of the operation.

	Applicant	Agent
Site operations contact	X	

For applications for abstraction licences, please also specify who we should contact for invoices and abstraction records (returns).
Not necessary for temporary or transfer licence applications.

	Applicant	Agent
Invoice address	X	
Abstraction records contact	X	

Details of agent or individual authorised to act as application contact

Use applicant contact details

Yes

Entitlement to apply (not required for impoundment licence applications)

Does the applicant have a legal right of access to the point of abstraction?

Occupier of land / has a right of access

Date these access rights are expected

* 20/12/2023

Site map showing abstraction points

- File: W00157-KBC-TW-003_Phase 3 - Overpumping-.pdf - [Download](#)

Other supporting documents

- File: Licence_to_Occupy_Northern Triangle Cardiff Arena.pdf - [Download](#)

For abstraction licence applications where you are the occupier or have rights of access, please also provide the additional evidence as outlined above.

Please tick here to show that you have done this.

Pre-application number

Have you undertaken a pre-application enquiry or had any previous discussions with us?

Yes

Provide reference number or staff member's name

Alex Grabham - PPN-01187

Remediation work

Is this proposal as a result of a Restoring Sustainable Abstraction programme or other work requested by us?

No

Source of supply

State where you intend to abstract from

Groundwater. e.g. Borehole, mine, unlined excavation

Provide a 12 digit National Grid Reference for the proposed or existing abstraction or impoundment point (e.g. ST 19057 76826)

ST 19057 76826

Source of supply (name of watercourse or aquifer)

Groundwater

Site name / reference
(e.g. Tŷ Mawr Farm)

East Bute Dock

Proposal summary

Please provide an outline of your proposal, including any sketches.

As a guide, you should include: a description of the activities which (will) take place at your site, the means of abstraction/impoundment proposed, if the proposal is related to another licence or permit (i.e. an Environmental Permit to Discharge Water) and details of any survey work undertaken. For changes to existing licences, summarise the changes proposed. Sketches or photographs that will aid our understanding of your proposal can be uploaded below.

As part of the enabling works to construct the new arena in Cardiff Bay, we are required to divert an existing 1200diameter DCWW surface water sewer. The existing sewer is circa. 8m deep. The diversion will be carried out by MicroTunnelling using a TBM. The TBM will need launch and reception pits, which will take the form of 3no. sheetpiled cofferdams.

The groundwater table is circa. 4m deep, therefore, the cofferdams will need to be dewatered to allow construction to take place. Our proposal is to discharge this groundwater to Bute East Dock after being treated using the necessary water treatment controls.

We have contacted Associated British Ports (ABP) to obtain permission to discharge into Bute East Dock. They did not have any objections to the discharge, but did want to ensure the water is treated and tested to an agreed quality before entering the dock (as they are then responsible for the water in the dock and downstream into the port). They have requested a copy of the surface water discharge consent once we receive it.

We have consulted with a water treatment specialist who have given the following guidance on water quality; "Groundwater will pass through a lamella tank and treatment/dosing tank before being discharged. The proposed equipment is designed for solids separation from water. The system we are suggesting has the capability to eliminate up to 95% of solids from water. Typically, we operate below a 50mg/l TSS limit on average. As a result, we can expect the discharge to the dock to be under 50mg/l. The two key parameters that will require measurement are Turbidity (TSS) and pH. Our kit is equipped with builtin probes for both of these parameters including flow rates, providing realtime readings 24/7 to a cloudbased platform. This platform allows remote access for all relevant individuals. The system also generates hard and soft alarms via email when approaching or breaching compliance limits."

Duration of the dewatering works is planned to be 25weeks, with abstractions being carried out in 3no. locations of the site to dewater the 3no. cofferdams.

Declaration

By signing below, you are declaring that, to the best of your knowledge; the information given in this form, on any map and in any supporting or additional information; is true.

Signed Joseph Palmer

Print name Joseph Palmer

Position Design Manager

Date

* 13/02/2024

Would you like a copy of your submission?

Yes

Your email address

joseph.palmer@knightsbrown.co.uk