

# 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.

WRENVOLVEINFRASTRUCTURE151123

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 licence to transfer water. 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.

BACS

Please add your BACS reference below

WRENVOLVEINFRASTRUCTURE151123

## Applicant details

Applicant type

Limited company

Applicant details

**Full Name** Envolve Infrastructure Limited

**Company, Charity or Trading Name** Envolve Infrastructure Limited

**Company or Charity Registration Number** 01835363

#### Applicant Registered Address

**Line 1** 3175 Century Way  
**Line 2** Thorpe Park  
**Line 3** Leeds  
**Line 4** England  
**Postcode** LS15 8ZB

#### Applicant Contact details

**Office Telephone Number** 01443 449200  
**Mobile Telephone Number** x  
**Email Address** john.gregson@envolve-infrastructure.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

No

#### Application details

**Full Name** John Gregson  
**Company, Charity or Trading Name** Envolve Infrastructure Limited  
**Position in Company** North Wales Project Manager

#### Applicant Registered Address

**Line 1** 3175 Century Way  
**Line 2** Thorpe Park  
**Line 3** Leeds  
**Line 4** England  
**Postcode** LS15 8ZB

#### Applicant Contact details

**Office Telephone Number** 01443 449200  
**Mobile Telephone Number** x  
**Email Address** john.gregson@envolve-infrastructure.co.uk

### 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

\* 08/01/2024

Site map showing abstraction points

- File: 65201386\_8050\_I00 - Proposed Dewatering Discharge Location Plan.pdf - [Download](#)

Other supporting documents

- File: Right of Access Declaration .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

WPCC13575 / PPN-01109

## 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

Groundwater impact assessment report

- File: Deeside Raw Water Main - Hydrogeological Impact Appraisal - with appendices.pdf - [Download](#)

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

SJ 34015 69904

Source of supply (name of watercourse or aquifer)

Tidal Flat Deposits - Superficial Deposits

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

Deeside - Chester Millennium Greenway

## 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.

This WRA application is in support of necessary groundwater abstraction conducted as part of temporary de-watering works, required to enable associated excavation works and subsequent installation of approximately 1150 metres of new raw water main. The new raw water main excavations extend from the existing 27" connection at NGR: SJ 34368 69939, to NGR: SJ 33393 69702, with excavation de-watering extending to depths of 5mbgl (Further details can be seen in attached drawings). The de-watering will be contained within the underlying Tidal Flat Deposit Lithology.

The proposed de-watering strategy will consist of the entire 1150 metre extent being de-watered in sections, of dimensions 70m Long x 3m Wide x 4m Deep. Three of these sections will be de-watered, with two of the sections excavated, at any one time. The first two of the sections will have wellpointing installed and be de-watered, whilst the third section will be in the process of having the wellpointing equipment installed and undergoing de-watering. The initial exposed trench will enable the raw water main to be installed, whilst the second exposed excavation will enable preparatory works for the raw water main.

The wellpointing will consist of the installation of 6m long 38mm plastic riser pipe with a 60mm x 600mm cocoa wrapped filter on the bottom of each, installed at most 2.5 metres from the trench centre line, alongside one side of the trench. Three pumps and 210 metres of header main will be used, with the three pumps situated on a purpose made foundation pad approximately 10m long x 3m wide x 4m deep, at NGR: SJ 34347 69929. Dewatering of the pad will be conducted on a separate system, using the same wellpointing methodology.

Initial estimates indicate that the three pumps will operate at between 171 - 622 m3/day, with an associated radii of influence of between 35 and 81 metres from the wellpointing. Additional booster pumps are envisaged to be required, with actual flows to be determined by actual flows encountered on site.

The extent of de-watering is displayed in the associated drawings, occurring between NGR points SJ 34368 69939 and SJ 33393 69702.

## 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** Karen Fitzsimons  
**Print name** Karen Fitzsimons  
**Position** Senior Hydrogeologist

If an agent is to sign on behalf of the Licence Holder, a letter of authorisation from the Licence Holder is required.

- File: Dewatering App - Sweco Agent Confirmation.pdf - [Download](#)

Date

\* 09/11/2023

**GDPR, National Security, and Commercial Confidentiality**

Only tick the box below if you wish to claim confidentiality for your application.
<input type="checkbox"/> Please treat the information in my application as confidential

Would you like a copy of your submission?
<input checked="" type="checkbox"/> Yes

Your email address
ronan.mclachlan@sweco.co.uk