

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

WRSWECO1007

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.

Cheque

Applicant details

Applicant type

Limited company

Applicant details

| | |
|---|-----------------------------|
| Full Name | Mr John Gregson |
| Company, Charity or Trading Name | Lewis Civil Engineering Ltd |
| Company or Charity Registration Number | 01835363 |

Applicant Registered Address

| | |
|-----------------|-------------------------|
| Line 1 | Mwyndy Cross Industries |
| Line 2 | Cardiff Road |
| Line 3 | Pontyclun |
| Line 4 | Rhondda Cynon Taff |
| Postcode | CF2 8PN |

Applicant Contact details

Office Telephone Number 01443 449200
Mobile Telephone Number -
Email Address johngregson@lewis-ltd.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 |

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?

Has an expected right of access

Date these access rights are expected

* 01/09/2021

Site map showing abstraction points

- File: Deeside Airfields - Praxis Gravity Sewer Trench Layout Dewatering FINAL.pdf - [Download](#)

Other supporting documents

- File: Supporting Technical Note_TRANSFER.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 Cowell

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

Give Groundwater Investigation Consent number if applicable

N/A

Groundwater impact assessment report

- File: Supporting Technical Note_TRANSFER.pdf - [Download](#)

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

SJ 32566 70523

Source of supply (name of watercourse or aquifer)

Dewatering of tidal flat deposits (sand)

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

Deeside Airfields - Praxis Gravity Sewer

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 a development scheme in Deeside Industrial Park, temporary dewatering is likely to be required during exaction of a trench in Parkway road to facilitate the installation of a new sewer. The proposed trench is 250m long. It is intended that 2 No. 40m sections will be open at any one time, with dewatering progressing in one section while the sewer is being laid in the other section once groundwater levels have been drawn down to below the base of the trench. The trench will be entirely within tidal flat deposits that comprise sand. Abstraction will be from well points on both sides of the trench.

The extracted ground waters will be pumped into the settlement tanks and then will gravitate through silt socks (if required) prior to gravitating into the existing Industrial Parks surface water sewer system and will be discharged to a surface water drain then to Shotwick Brook to the north of the park. The levels in the receiving surface water sewer shall be monitored during periods of heavy rain.

The attached plan shows abstraction and discharge locations.

Although rest water levels are likely to be only just above the base of the trench, previous experience of undertaking dewatering activities within the industrial park indicates that the sand aquifer is very transmissive. Peak dewatering rates for the two 40m trench sections may be up to 40l/s in total until steady state conditions have been achieved. Average dewatering rates for both open trenches combined are likely to be between 15 and 30l/s (54 – 108m³/hour, 1.3 – 2.6MI/day), with pumping continuing 24 hours/day and a maximum pumping rate of 144m³/hour (3.4MI/day)

The dewatering will be required for an estimated period of 2 months and a transfer abstraction licence is being sought.

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: Email from applicant.pdf - [Download](#)

Date

* 10/06/2021

Would you like a copy of your submission?

Yes

Your email address

karen.fitzsimons@sweco.co.uk