

# 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.

WRGEO2REMEDICATION0909

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 (opens in new tab) 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 (opens in new tab) 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.

BACS

Please add your BACS reference below

WRGEO2REMEDICATION0909

## Applicant details

Applicant type

Limited company

Applicant details

<b>Full Name</b>	Adam Wilson
<b>Company, Charity or Trading Name</b>	GEO2 REMEDIATION LTD
<b>Company or Charity Registration Number</b>	04638532

### Applicant Registered Address

**Line 1** Coniston House  
**Line 2** Louisa Street  
**Line 3** Idle  
**Line 4** Bradford  
**Postcode** BD10 8NE

### Applicant Contact details

**Office Telephone Number** 01132575397  
**Mobile Telephone Number** 07779604026  
**Email Address** adam.wilson@geo2.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

## Details of individual authorised to act as abstraction records (returns) contact

Specify who we should contact regarding abstraction records (returns):

Existing returns contact

## 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

\* 15/09/2025

Site map showing abstraction points

- File: 33-34. Treatment plant layout.pdf - [Download](#)

Other supporting documents

- File: Right of access.pdf - [Download](#)

For abstraction licence applications where you are the landowner, provide a map with the land boundary and all abstraction and discharge point(s) marked.

Please tick here to show that you have done this.

For expected 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

PAN-029990 & PAN-029991

## 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)

ST2139198035

Source of supply (name of watercourse or aquifer)

Severn Ground water (GB40902G201900)

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

Enterprise Service Station - Newbridge by pass

## 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.

To address groundwater contamination from a 2024 fuel leak at Enterprise Autos, Newbridge Bypass, Crumlin, Newport (NP11 4QJ), a hydraulic barrier is proposed to prevent hydrocarbon (TPH) migration to the River Ebbw, located 40 m west within the South East Valleys Catchment. This remediation strategy, part of an operational petrol filling station, involves a pump-and-treat system that will abstract 100.8 m<sup>3</sup>/day from a fractured sandstone aquifer (Hughes Formation) using three submersible pumps in piezometers S10 (30 L/min), S12, and S21 (20 L/min each). Abstracted water will be treated via an oil-water/silt separator and 2 to 3 granular activated carbon (GAC) filters to meet Remedial Target Values (RTVs), then re-injected to the aquifer via boreholes D1 and D2, ensuring a net-zero water balance to minimise environmental impacts.

This abstraction supports Environmental Permit application PAN-029991 for the treatment system, with a withdrawn Groundwater Investigation Consent (PAN-029990) per NRW guidance. A water features survey (1 km radius), using Envirocheck, DataMapWales, BGS records, and a July and August 2025 field surveys, identified the River Ebbw and minor streams but no protected abstractions or designated sites within 500 m. Regular monitoring of TPH, BTEX, MTBE, drawdown, and discharge volumes, per UKAS-accredited protocols, will ensure compliance with WFD objectives, protecting the River Ebbw's status.

See supporting document Report ref. 25/0816.28.1 - Abstraction Licence Report

Summary of proposal

- File: 1. Geo2, 0816.28.1 Enterprise Autos, Newport, Abstraction licence application\_inc\_appendix.pdf - [Download](#)

## 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** Adam Wilson

**Print name** Adam Wilson

**Position** Director

If you need to submit additional signatures, please upload here in a separate document.

- File: 7. Geo2 Abstraction Declaration.pdf - [Download](#)

Date

\* 12/09/2025

## Submit your application

Enter your email address to get a copy of your application

adam.wilson@geo2.co.uk