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| <p>Fill in this form if you are applying for a transitional water resources licence to continue a previously exempt abstraction.</p> <p>This form is available in both English and Welsh. Please check that this is the latest version of the form available from our website before submitting your application.</p> <p>Please ensure you use Guidance Note WRH to help you.</p> <p>All relevant guidance documents can be found on our website.</p> <p>Contents</p> <p>1 Application type and fee</p> | <p>2 Applicant and agent details</p> <p>3 Site name</p> <p>4 Entitlement to apply</p> <p>5 Existing licence number(s)</p> <p>6 Cross border applications</p> <p>7 Abstraction details</p> <p>8 Abstraction history and evidence</p> <p>9 Discharge details</p> <p>10 Eel considerations</p> <p>11 Trickle irrigation</p> <p>12 Planned abstractions</p> <p>13 Other abstractions</p> <p>14 Planning permissions</p> <p>15 Environmental Impact Assessment</p> <p>16 Licence duration</p> <p>17 Application checklist</p> |
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1. Application type and fee

1.1 Please select your application type from the list below.

- A new transitional water resources full abstraction licence for a previously exempt abstraction
- A new transitional water resources transfer licence for a previously exempt abstraction
- A variation to an existing full abstraction licence to add a previously exempt abstraction
- A variation to an existing transfer licence to add a previously exempt abstraction

1.2 Please indicate the amount and how you wish to pay your application

Amount paid

Cheque

Credit or debit card

BACS transfer BACS reference number

2 Applicant and agent details

This is the individual or organisation any resulting licence will be issued to, and must be a legal entity. If you are an agent acting on behalf of an applicant, provide their details here and yours in section 2.2.

2.1 Applicant details

Individual Public body

Registered company Organisation or group of individuals

Other If 'Other', please specify

Title

| | |
|---|--|
| First name | <input type="text"/> |
| Last name | <input type="text"/> |
| Company, charity, body, or trading name (if relevant) | <input type="text" value="GD Harries & Sons Limited"/> |
| Registered company or charity number (if relevant) | <input type="text" value="09691822"/> |
| Address | <input type="text" value="Rowlands View"/> |
| | <input type="text" value="Templeton"/> |
| | <input type="text" value="Narberth"/> |
| | <input type="text" value="Pembrokeshire"/> |
| Postcode | <input type="text" value="SA67 8RG"/> |
| Telephone - mobile | <input type="text"/> |
| Telephone - office | <input type="text" value="01834 8604647"/> |
| Email address | <input type="text"/> |

We will contact you by email unless you tick here.

2.2 Agent details

This is who we will correspond with unless otherwise informed. If you are an agent applying on behalf of an applicant, please include a letter of authorisation from the applicant allowing you to act as signatory, and provide a reference for this document in the box below.

| | |
|-------------------------|--|
| Document reference | <input type="text"/> |
| Title | <input type="text" value="Mr"/> <input type="text"/> |
| First name | <input type="text" value="Simon"/> |
| Last name | <input type="text" value="Dorken"/> |
| Company or trading name | <input type="text" value="GD Harries & Sons Limited"/> |
| Position in company | <input type="text" value="Environmental Manager"/> |
| Address | <input type="text" value="Rowlands View"/> |
| | <input type="text" value="Templeton"/> |

| | |
|--------------------|-----------------------------|
| | Narberth |
| | Pembrokeshire |
| Postcode | SA67 8RG |
| Telephone - mobile | 07785 455708 |
| Telephone - office | 01864 860464 |
| Email address | simondorken@gdharries.co.uk |

We will contact you by email unless you tick here.

2.3 Site operation contact

Please specify who we should contact with regard to your site operation.

Applicant

Agent

Other Please provide contact details for the operational contact on a separate referenced document, and tell us this reference below.

Document reference

2.4 Abstraction invoices and records contact

Please specify who we should contact for invoices and abstraction records (returns). Please note that these may not be not required for transfer licences.

Invoice address

Applicant

Agent

Other Please provide contact details for the operational contact on a separate referenced document, and tell us this reference below.

Document reference

Abstraction records

Applicant

Agent

Other Please provide contact details for the operational contact on a separate referenced document, and tell us this reference below.

Document reference

3. Site name

3.1 Please provide the site name below:

Site name

4. Entitlement to apply

4.1 Have you abstracted water between 01 January 2011 and 31 December 2017 for the activity which

you are applying to be licensed?

Yes

No Please see our water abstraction and impounding webpage for further information on the correct application forms.

4.2 What is your connection to the land where the abstraction takes place?

Please provide a map outlining your land ownership/occupation and include all abstractions and discharges where relevant.

Owner

Occupier

Document reference

4.3 Do you have a legal right of access to the land where the abstraction take place?

No

Yes Please provide further detail in the box below. If necessary continue on a separate referenced document, and tell us this reference.

Document reference

The abstraction is from land owned or leased by the applicant

5. Existing licence number(s)

If you are applying to change an existing licence please provide the licence number below.

Licence number(s)

6. Cross border applications

As part of your site operation do you also abstract for a previously exempt activity in England?

No

Yes Please provide detail of this cross border application in the box below. If possible, provide a reference or application number, or name of an Environment Agency contact with whom the application has been discussed.

Continue on a separate referenced sheet if necessary and tell us the reference for this document.

Document reference

7. Abstraction details

7.1 Site map

Please provide a map with details of the location(s) you abstract water from (points reaches, or areas). Tell us the reference for this map, below.

Site map reference

Bolton Hill Water Plan Rev A – Environmental

7.2 Please tell us details about the location(s) you abstract water from (points reaches, or areas) in the tables below.

The abstraction location, name, or reference must be the same as those used on the site map, in question 7.1. If you need more space, please continue on a separate referenced sheet if necessary and tell us the reference for this document

Document reference

| Table 7. 1 - Surface water abstractions | | | | | | |
|---|--|---------------------------------|--|---|--|---|
| Abstraction location name or reference (As labelled on the site map) | Type of location (single point, reach, area) | Source of Supply | First National Grid Reference (12 digits) | Second National Grid Reference (12 digits) | Third National Grid Reference (12 digits) | Fourth National Grid Reference (12 digits) |
| Old Quarry Sump | Area | Rainfall runs off into the sump | 191832 211514 | | | |
| Extension Sump | Area | Rainfall runs off into the sump | 192543 211093 | | | |
| | | | | | | |
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If necessary, continue on a separate sheet and tell us the reference for this document.

Document reference(s)

| Table 7. 2 Ground water abstractions | | | | | | | | | | |
|--|------------------|---------------------------------------|---------------------------|---|--|---------------|---------------|--------------------------|-----------------------|------------|
| Abstraction location name or reference (as labelled on map) | Source of Supply | National Grid Reference (12 digit) | Overall depth (metres) | Maximum diameter (millimetres) or area of excavation (square metres) | Screened section (metres below ground level) | Drift geology | Solid geology | Rest pump water level | Pumped water level | Pump Depth |
| Old quarry sump | Quarry sump | 191832 211514 | | | n/a | None | Diorite | | | |
| Extension sump | Quarry sump | 192543 211093 | | | n/a | None | Diorite | | | |
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If necessary, continue on a separate sheet and tell us the reference for this document.

Document reference(s)

8. Abstraction history and evidence

8.1 Please complete table 8.1 to document that the abstraction(s) and transfer(s) has or have been taking place during the qualifying period.

If necessary, continue on a separate sheet and tell us the reference for this document.

Document reference(s)

| Table 8.1 | | | | | | | | | | | |
|-------------------------------------|---|---------------------------|--|-------------------------------|--------------------|---------------------|--|--|---|--|--|
| Year | Abstraction location name or reference (as labelled on map) | Purpose(s) water used for | Period of abstraction All year, or months, or days (provide specific dates) | Maximum quantities abstracted | | | | | | Means of measurement, or assessment of abstracted quantities | Are these the maximum quantities of water you wish to have licensed? (Yes or No) |
| | | | | Year (cubic metres) | Day (cubic metres) | Hour (cubic metres) | Peak instantaneous flow rate (litres per second) | Maximum number of hours of abstraction per day | Please indicate whether volume is actual (A) or estimated (E) | | |
| 01 January 2011 to 31 December 2011 | | | | | | | | | | Meter | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 01 January 2012 to 31 December 2012 | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 01 January 2013 to 31 December 2013 | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 01 January 2014 to 31 December 2014 | Sump 1 & 2 | Dewatering | Year | 278776 | 3506 | 160 | | | A | Meter | No |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 01 January 2015 to 31 December 2015 | Sump 1 & 2 | Dewatering | Year | 346867 | 3811 | 182 | | | A | Meter | No |
| | | Cement production | Year | 5800 | | | | | A | loads of cement leaving site | |
| | | | | | | | | | | | |
| 01 January 2016 to 31 December 2016 | Sump 1 & 2 | Dewatering | Year | 375800 | 4081 | 187 | | | A | Meter | No |
| | | Cement production | Year | 5490 | | | | | A | loads of cement leaving site | |
| | | | | | | | | | | | |
| 01 January 2017 to 31 December 2017 | Sump 1 & 2 | Dewatering | Year | 379586 | 3706 | 181 | | | A | Meter | No |
| | | Cement production | Year | 6960 | | | | | A | loads of cement leaving site | |
| | | | | | | | | | | | |

8.2 Please complete the table below if you wish a lesser quantity of water to be licensed than that detailed in table 8.1.

If necessary, continue on a separate sheet and provide a reference for this document.

Document reference

| Table 8.2 | | | | | | | |
|---|---------------------------|--------------------|--|---|--|--|---|
| Abstraction location name or reference (as labelled on map) | Purpose water is used for | Abstraction period | Maximum annual abstraction volume (cubic metres) | Maximum daily abstraction volume (cubic metres) | Maximum hourly abstraction volume (cubic metres) | Maximum number of hours of abstraction per day | Peak abstraction rate (litres per second) |
| | | | | | | | |
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8.3 Do you wish your abstracted quantities to be aggregated?

You can aggregate:

- i) across some or all of the abstraction points, or reaches, or areas listed above.
 - ii) with other abstractions you wish to have licensed through the transitional process.
 - iii) abstractions you need to have licensed through the standard licensing process.
 - iv) with existing licences you hold.
- No
- Yes Provide details of any proposed aggregation in the box below. If necessary, continue on a separate sheet and provide a reference for this document.

Document reference

The abstractions from the two sumps flow through some settling lagoons and are discharged off site at the same point.

8.4 Please provide a detailed description of how the abstraction(s) has/have taken place

Use the box below to tell us about your abstraction(s). The description should include the following:

- A diagram or schematic of how the activity has been undertaken, using your abstraction point references and including any discharge points
- Details of the structure and equipment involved in the abstraction. This should include dimensions.
- Details of your means of measurement or assessment of abstraction quantities method

If necessary, continue on a separate sheet and tell us the reference for this document.

Document reference

Abstraction from both quarry sumps is via a pump with its inlet in the quarry sump. All water is discharged off-site via settling lagoons. (see 9.2 below).

8.5 Please list the evidence you are providing to support your application

Use the box below. The evidence should demonstrate the following:

- That abstraction has taken place at some time during the seven year qualifying period.
- The quantities of water you have abstracted during the qualifying period. For example, records of meter readings, or cropping plans.

If necessary, continue on a separate sheet and provide a reference for this document.

Document reference

Off site discharge from Bolton Hill Quarry flows through a 2.7m long, 0.3m wide and 0.7m deep concrete channel with a 0.15m high full-width metal weir at the downstream end. Water depth over the weir is measured using a odyssey capacitance logger with a resolution of ~0.008m. The logger has been installed in a stilling well located 1.5m upstream of the weir. Volume is computed from depth using a standard equation. The quantities of water are reported to MPA each hydrometric year.

9. Discharge details

9.1 Please provide details on any discharge of abstracted water in table 9.1 below and on the map used to show abstraction locations.

If necessary, continue a separate sheet and provide a reference for this document.

Document reference

Table 9.1 - Details of any discharge of abstracted water

| Discharge location name or reference (as labelled on map) | National Grid Reference of discharge point (12 digit) | Total volume discharged (cubic metres) | Environmental Permit number for Water Discharge Activity number (if applicable) |
|---|---|--|---|
| Merlins Brook tributary discharge | 192093 211870 | 3800 | BN0005501 |
| | | | |
| | | | |
| | | | |

9.2 Please provide a description of discharge structures and equipment

Off site discharge from Bolton Hill Quarry flows through a 2.7m long, 0.3m wide and 0.7m deep concrete channel with a 0.15m high full-width metal weir at the downstream end. Water depth over the weir is measured using a odyssey capacitance logger with a resolution of ~0.008m. The logger has been installed in a stilling well located 1.5m upstream of the weir. Volume is computed from depth using a standard equation

If necessary, continue a separate sheet and provide a reference for this document.

Document reference

10. Eel considerations

Does your abstraction include measures to safeguard eels?

- No
- Yes Provide details below

11. Trickle Irrigation

If you are applying to licence a trickle irrigation abstraction, do you wish to apply for a Two-Part Tariff agreement with your application?

- No
- Yes We will contact you during determination of your application to arrange this agreement.

12. Planned abstractions

12.1 Do you expect to increase the current rate of abstraction for the activity you are applying to have licensed from 01 January 2018 onwards or to carry out further new abstractions (both termed 'planned' abstractions) at this site in the future?

- No
- Yes

12.2 Have you submitted a licence application (s) for any planned abstraction(s) as a result of the Water Act 2003 changes?

- No
- Yes Provide a reference number if you have already submitted an application(s) to cover any planned abstractions.

Document reference

13. Other abstractions

Please provide details of any other abstraction(s) (licensed or exempt) that are associated with this application in table 13.1 below.

| Table 13.1 - Details of any other abstraction(s) (licensed or exempt) that are associated with this application | | | | | |
|---|----------------------|------------------------|-----------------------------|---------------------------------|--|
| National Grid Reference (12 digit) of where you abstract water | Source name and type | Purpose of abstraction | Where do you use the water? | When do you abstract the water? | Is this a pending application, or already licensed? Please provide the application or licence number as appropriate |
| | | | | | |
| | | | | | |
| | | | | | |

14. Planning permission

Complete table 14.1 below and provide details of any planning permissions or advice associated with the abstraction you are applying to have licensed where relevant. Provide a copy of any permissions or advice, providing a reference for this document below.

Document reference

Table 14.1 – Planning permission

| Abstraction location name or reference (as labelled on map) | Is planning permission needed, Yes or No? | Planning permission status (if required) | Have you received any planning advice for the abstraction? |
|---|---|--|--|
| | | | |
| | | | |
| | | | |
| | | | |

15. Environmental impact assessment(EIA)

Does your application require an EIA under The Water Resources (Environmental Impact Assessment) (England and Wales) Regulations 2003 (as amended)

No

Yes Please provide a copy of your environmental impact assessment; provide a reference for this assessment below.

Document reference

16. Licence duration

Tell us when you wish your abstraction licence to end

Normally abstraction licences are granted for between 6 and 18 years in line with the catchment licence common end date. If you require a shorter or longer duration licence, please provide details and your justification in the box below.

If necessary, continue a separate sheet and provide a reference for this document.

Document reference

Need to abstract for as long as quarry operates

17 Declaration and data protection and commercial confidentiality

Data protection:

Please read the guidance carefully for details on who can sign this section and note the information relating to the Data Protection Act 1998, our Public Register and exclusions.

Commercial confidentiality:

Do you think your application should be confidential, and that information should not be placed on the public register?

No

Yes You must send us supporting information to tell us why. Use the box below or a separate sheet, and tell us the reference you have given this document.

Document reference

Declaration:

By signing below, you are declaring that as far as you know and believe the information given in this form, on any map and in any supporting or additional information is true.

A printed name in the 'signature' response box will be treated as the equivalent of an electronic signature.

Title

First name

Last name

Position

Today's date

