### Application for a water resources abstraction licence – part B



Water Resources Act 1991 (as amended by the Water Act 2003), Environment Act 1995, The Water Resources (Abstraction and Impounding) Regulations 2006

### Introduction

L				11 Alexandre Harris
l	Plea	se read through this application form and the	B9	Licence aggregation details
l		lance notes carefully before you fill this form in.		Abstraction locations
l		100 (02)	<b>B11</b>	Right of access and planning
	lf you	are not sure about anything in this form, phone us on	B12	Environmental assessment a
l	0370	08 506 506 or send an email to	B13	Abstraction details
l	enqu	iiries@environment-agency.gov.uk.	B14	Safe passage for eels
I	<i>c</i> .		B15	Aggregating abstraction und
I	Cont	ents		applying for
	B1	Applicant's name	B16	Making a pre-application
I	B2	Existing licence number	B17	Pre-application supporting d
	B3	Restoring sustainable abstraction	B18	Declaration and signature
	<b>B</b> 4	Source of supply	B19	The Data Protection Act 1998
	B5	Groundwater investigation at the site	B20	Commercial confidentiality a
	B6	Discharge details	B21	and the second
	B7	Further abstractions (temporary licences only)	B22	Next steps

### B1 Applicant's name

### B1.1 Give the name of the applicant

This must be the same as the name given at A3, A4, A5 or A6 (as appropriate) in part A.

, H2O Power Ltd

### B2 Existing licence number (if you are applying to replace or change the licence)

You do not need to fill this in if your application is for a new licence. In this case go to B3.

### B2.1 If you are applying to replace or change an existing licence, what is your current licence number?

### B2.2 Please give a brief outline of the changes you wish to make to your licence.

### B3 Restoring sustainable abstraction

### B3.1 Is this application a result of the restoring sustainable abstraction programme?

### No $\mathbf{V}$

Yes 🗖

### B4 Source of supply

Please follow the guidance notes on part B closely.

### Where do you want to abstract from? B4.1

Groundwater	
Surface water	

- assessment and appraisal tails or eels ostraction under the licence you are pplication n supporting documents d signature
  - ction Act 1998 nfidentiality and national security

Water rights trading

**B8** RO

the form

### B4 Source of supply, continued

### B4.2 Which type of abstraction point will you be abstracting from?

and planning permission

(pick one from the list in B4.2 of the guidance notes) River

### B4.3 What type of activity or business goes on at your site?

The answer you give must be one of the options listed in B4.3 of the guidance notes.

Navigation

### B4.4 If you are abstracting from surface water, what is the name of the watercourse?

River Ouse

### B4.5 If you are abstracting from groundwater, what type of aquifer is the groundwater in?

If you are not abstracting from groundwater, go to B6. Give the name of the aquifer below.

### B5 Groundwater investigation at the site

You do not need to fill this in if you are abstracting from surface water. In this case, go to B6.

### B5.1 Have you carried out a groundwater investigation which you had a consent for?

- Contact us before you send in this application for No 🗖 advice on whether you need to carry out an investigation.
- Give your groundwater consent number below. Yes 🗌 Groundwater consent number

### B5 Groundwater investigation at the site, continued

If you have not already given us the results from your test pumping, attach them to this application form when you send it to us.

Also, fill in the table below to give us details of the boreholes, wells and so on you abstracted water from for the investigation. For each well, borehole and so on we need to know:

### B5 Groundwater investigation at the site, continued

Also, fill in the table below to give us details of the boreholes, wells and so on you abstracted water from for the investigation. For each well, borehole and so on we need to know:

- its proposed size and depth;
- the type and thickness of the lining or linings, if any; and
- how you intend to prevent any leaks or overflow from it.

Map label	Depth	Diameter	Lining	How overflow or leaks will be prevented from artesian works (works where water reaches the surface under natural pressure without pumping)

### **B6** Discharge details

### B6.1 Do you intend to discharge water abstracted from the site?

No 🔲 Go to B7.

Yes 🔽 Give details below.

Where will you discharge the water to? (See the guidance notes for options)	Volume of water to be discharged of per day (in cubic metres)	National grid reference of discharge point, including map reference	Environmental permit number (if you have one)
River	2,592,000.000	SE5935044541	

### **B7** Further abstractions (temporary licences only)

You only need to fill in this part if you are applying for a temporary licence. If you are not applying for a temporary licence, go to B8.

### B7.1 Do you expect to carry out further abstractions at this site in the future?

- No 🔽 Go to B8.
- Yes 🔲 How often and for what purpose?

### B8 Water rights trading

### B8.1 Are you making this application as part of an agreement to trade water rights with someone else?

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No 🖌 Go to B9.

Yes Give the name or licence number of the person you are trading water rights with?

If there is more than one licence or person, please provide details on a separate sheet.

### B8.2 Please fill in the table below with details about the proposed trade

Your abstraction location name (as at B10)	
What do you use, or will you use, the water for? (As at B13.)	
The other person's abstraction location name	
The national grid references of the other person's abstraction point or points	
What does or will the other person use the water for? (Pick from the list in guidance notes for B13.)	
Does the other person abstract, or will they abstract, from surface or groundwater?	Surface water  Groundwater
Which type of abstraction point does, or will, the other person abstract from? (Pick one from the list in B4.2 of the guidance notes.)	
Annual quantity to be traded (m <sup>3</sup> )	
Daily quantity to be traded (m <sup>3</sup> )	

If there is more than one abstraction location or purpose please provide details on a separate sheet.

### B8.3 Is the trade permanent or temporary?

Permanent

Temporary		What date	will t	he	trade	end?
-----------	--	-----------	--------	----	-------	------

(DD/MM/YYYY)

### B9 Licence aggregation details

- B9.1 Will the licence you are applying for be aggregated with any other licences?
- No 🔽 Go to B10.
- Yes 📋 Give the existing licence numbers

On a separate sheet, explain how you want to aggregate your abstraction quantities.

### **B10** Abstraction locations

### B10.1 An abstraction location can be a single point, a reach (stretch of water) or an area.

In the table below, give the details of the locations you will abstract water from.

- If the location is a point, give the national grid reference for that point.
- If the location is a reach, give the two national grid references you will abstract between.
- If the location is an area, give four national grid references relating to the corners of the area.
   (The first you give should be the one for the top left-hand corner, then continuing clockwise around the area.)

Name of the abstraction including how you have labelled on map	Type of location (single point, reach or area)	First national grid reference	Second national grid reference	Third national grid reference	Fourth national grid reference
Intake Location	single point	SSE5932744568			

### B11 Rights of access and planning permission

### B11.1 What rights of access do you have?

Please note we can't grant a licence until we have been told the rights of access are in place.

Fill in the details below, using the lists in the guidance notes to specify:

- your access rights;
- the planning permission needed; and
- the status of the planning permission.

Abstraction location name (as at B10)	Access rights	If you do not have access rights yet, when do you expect to get them?	Planning permission needed	Status of planning permission
Intake Location	I am the occupier			Planning permission applied for

### B12 Environmental assessment and appraisal

### B12.1 Do you need to do an Environmental Impact Assessment (EIA)?

- No 🔽
- Yes 📋 Please enclose a copy of the environmental statement with this application form

### B12.2 Do you need to do an environmental appraisal?

No 🔽

Yes 🔲 Please enclose your environmental report with this form

Form WR330: Application for a water resources abstraction licence – part B

### B13 Abstraction details

# B13.1 Please fill in the table below with details about the proposed abstraction.

You can find forms to help you decide how much water is required at www.gov.uk or use the links below.

- WR336 Table of water use for general agriculture;
- WR337 Table of water needed for irrigating golf courses;
  - WR338 Table of water needed for livestock;
- WR340 Spray or trickle irrigation of crops extra information. WR339 Table of water needed for spray irrigation;

guiry please include this information with your application. dain I and 

Mavimum flow rate	(litres per second)	30,000.000												
1	per day water is abstracted													
Provinsional According to the second se	Maximum hourly amount (in cubic metres)	108,000.00 m <sup>3</sup> 24.00	m³	m	m³	m³	m <sup>3</sup>	m³	m³	m³	m³	m³	m³	108000.00 m <sup>3</sup>
	Maximum daily amount (in cubic metres)	2,592,000.00 m <sup>3</sup>	m	Ξ	m	m	m	ε	m	Ξ	ε	m	m³	2592000.00 m <sup>3</sup>
	Maximum volume to be abstracted each year (in cubic metres)	699,900,000.00 m <sup>3</sup>	m <sup>3</sup>	m³	m³	m <sup>3</sup>	m³	۳	m³	m	m	ε	m	699900000.00 m <sup>3</sup>
	Month the abstraction period ends	December												Total
nii) hicase iiirini	Month the abstraction period starts	January												
If you have other details that will neip us to deal with your endury prease include this michigan way you have	What the water will be used for (from the list in the guidance notes)	Hydroelectric power generation												
If you have other details that	l location ding how you ed on map	(as at B10) Intake Location												

### B14 Safe passage for eels

### B14.1 Have you discussed with the Area fisheries team the need to provide eel screening at the site?

- Contact us before you send in this application to find No out who to speak to.
- In the box below give details of the discussions you Yes have had with us. (For example a brief outline of the outcome of the conversation and who you spoke to.)

If you have design drawings or details, attach them to this application form when you send it to us.

### Aggregating abstraction under the licence B15 you are applying for

### B15.1 If this application has more than one purpose, do you intend to aggregate the quantities you are applying for?

No 🔽

Provide details on a separate sheet. Yes 🗖

### Making a pre-application B16

We can use the information you have provided so far to make an initial assessment of your proposal. We strongly recommend that you send us your filled-in parts A and B now, as a 'pre-application', so we can identify any problems before you pay the application fee. We will carry out pre-application work up to 15 hours free of charge. Over 15 hours will be chargeable. The current fees can be found at www.gov.uk or at the link here.

### B16.1 Do you want to send parts A and B now as a pre-application?

Go straight to part C or D as appropriate. No V

Fill in B17 and send parts A and B, and any supporting Yes 🗆 documents, to us.

### Pre-application supporting documents B17

### B17.1 Please read through this list and tick the items you are sending with this pre-application.

Confirmation of the right of access or negotiations so far	
Continuation sheet for answers to questions	
A map (see the guidance notes for part B) showing the following:	
Each point of abstraction	
The area of land the water will be used on	
The site of any proposed reservoir or water body which will be used for storage	
The points where water will be discharged	
An outline of land you occupy or have the right of access to	

### B18 Declaration and signature

This form must be signed by the appropriately authorised person or people. The table below gives details of who can sign this form.

Type of licence holder	Signature needed
Registered company	Company director or company secretary
Limited liability partnership	A partner, Company Director or company secretary
Individual	The individual
Public body (for example, a local authority or NHS trust)	A person authorised to sign documents on behalf of the organisation
Group of individuals	All individuals
Partnerships	One or more of the partners
Trust	All trustees or the chairman, treasurer or secretary

### It is an offence to make a false statement for the purpose of getting or transferring a licence.

By signing below you are declaring that as far as you know and believe, the information you have given in your application (parts A and B), and any map, extra information sheets and supporting documents, is true.

Signature

G.n.	Ceyle in	_

Name	
Title (Mr, Mr	rs, Miss and so on) Mr
First name	Ewan
Last name	Campbell-Lendrum
Position	

Managing Director

Today's date (DD/MM/YYYY)

09 2018

### The Data Protection Act 1998 B19

We, the Environment Agency, will process the information you provide so that we can:

- deal with your application;
- make sure you keep to the conditions of your licence;
- process renewals;

- advertise your application and make it available to the public in line with the Water Resources Act 1991; and
- keep the public registers up to date.

We may also process or release the information to:

- offer you documents or services relating to environmental matters:
- consult the public, public bodies and other organisations (for example, Natural Resources Wales, the Department for the Environment, Food and Rural Affairs, the Health and Safety Executive, local authorities, the emergency services) on environmental issues;

### B19 The Data Protection Act 1998, continued

- carry out research and development work on environmental issues;
- provide information from the public register to anyone who asks;
- prevent anyone from breaking environmental law, investigate cases where environmental law may have been broken, and take any action that is needed;
- assess whether customers are satisfied with our service, and to improve our service; and
- respond to requests for information under the Freedom of Information Act 2000 and the Environmental Information Regulations 2004 (if the Data Protection Act allows).

We may pass the information on to our agents or representatives to do these things for us.

### B20 Commercial confidentiality and national security

You may be able to claim commercial confidentiality for information contained in your application. Please read the guidance note for this question, along with WR25 – Public register and advertising applications, before responding below.

Tick the box if you want to claim commercial confidentiality for some information in your application. Please treat the information listed and justified in the attached letter as commercially confidential.

Note: You should make sure that we can easily identify the information which you consider to be confidential. It will help us if the information you want us to treat as commercially confidential is provided in a way which will allow it to be easily removed (for example, on separate pages marked 'claimed confidential').

You can ask the Secretary of State for information in your form not to be included in any public notice or the public register because including it would be a risk to national security. With your application you must enclose a letter telling us that you have asked the Secretary of State for this, and you must still include the information in your application. We will not include the information in any public notice or public register unless the Secretary of State decides that it should be included.

Tick the box if you a applying to the Secretary of State for National Security.

PLEASE NOTE: You cannot apply for national security through this application.

### B21 Where to send the form

Please send this form and any supporting documents to:

Permitting and Support Centre Water Resources Team Quadrant 2 99 Parkway Avenue Parkway Business Park Sheffield S9 4WF.

Or email to: psc-waterresources@environment-agency.gov.uk

If you are not sure about anything in this form, phone us on 03708 506 506.

### **B22 Next steps**

We will check this application and contact you if we have any questions.

If we approve this application, we will send you the licence. We will contact you once this is done.

If you are happy with our service, please tell us. It helps us to identify good practice and encourages our staff. If you're not happy with our service, or you would like us to review a decision we have made, please let us know.

More information on how to do this is available from our complaints and appeals procedures (www.gov.uk/government/organisations/environment-agency/ about/complaints-procedure).



### Application for a water resources abstraction licence – part C



Licence duration

Application fee

Water-usage calculations

Management agreements

Supporting documents

C10 Declaration and signature C11 The Data Protection Act 1998

C13 Where to send the form

start and end dates below.

Start date (DD/MM/YYYY)

End date (DD/MM/YYYY)

Method and measurement of abstraction

Commercial confidentiality and national security

C3.1 We normally issue abstraction licences for a

strategies (between 6 and 18 years). If you would like us to consider a set duration for your licence, give the

fixed period in line with our Abstraction Licensing

In the box below, explain why you need a different period.

(Continue on a separate sheet if necessary.)

Environmental management systems

C3 Licence duration, continued

C3

C4

C5

C6

C7

C8

C9

C12

C14 Next steps

Water Resources Act 1991 (as amended by the Water Act 2003), Environment Act 1995, The Water Resources (Abstraction and Impounding) Regulations 2006

### Introduction

### Please read through this application form and the guidance notes carefully before you fill this form in.

If you are not sure about anything in this form, phone us on 03708 506 506 or send an email to enquiries@environment-agency.gov.uk.

### Contents

C1 Applicant's name and application reference number

C2 Changes to part B following pre-application

### C1 Applicant's name and application reference number

The name you give here should be the same as you gave in B1 of part B.

### C1.1 Please give the applicant's name here so we can link the separate parts of the application.

Title (Mr, Mrs	, Miss and so on) Mr	I
First name	Ewan	
Last name	Campbell-Lendrum	

C1.2 If you have already sent us parts A and B as a pre-application, give us your application reference number.

### C2 Changes to parts A and/or B following pre-application

### C2.1 Have you made any changes to parts A and/or B since you sent it as a pre-application?

- No 🔽 Go to C3.
- Yes 🔲 Fill in parts A and/or B again with the new details.

### C3 Licence duration

Do not fill in this part if you are applying for a temporary licence. Instead go to C4.

### C4 Method and measurement of abstraction

### C4.1 Fill in the table below to tell us how you will abstract water and measure the amount abstracted.

Abstraction name (as you gave in B10 of part B)	Structure and equipment involved in the abstraction	Measurement method	Flood defence consent number (if you need flood defence consent)
Intake Location	Archimedes Screw Turbines	HAF back-calculation	

### C5 Water-usage calculations

### C5.1 Will you store abstracted water on your land?

No 🔽

Yes Please say how. (Include the capacity of your reservoir and if it is above or below ground. Continue on a separate sheet if necessary.)

### C5.2 How much of the water you abstract will be re-used?

### C5.3 In the space below, explain how you worked out the amount of water you need to abstract.

**Important Information.** For spray irrigation, other agriculture, watering golf courses or animal watering, please fill in the appropriate extra information sheets to provide more details at www.gov.uk or use the links below.

- WR336 Table of water use for general agriculture;
- WR337 Table of water needed for irrigating golf courses;
- WR338 Table of water needed for livestock;
- WR339 Table of water needed for spray irrigation;
- WR340 Spray or trickle irrigation of crops extra information. (Continue on a separate sheet if necessary.)

C5 Water-usage calculations, continued

### C5.4 Have you undertaken a water efficiency audit?

- No 🔽
- Yes Delease say how. (Continue on a separate sheet if necessary.)

### C5.5 What water-saving equipment do you use or do you plan to use? (Continue on a separate sheet if

necessary.)

N/A - all water is returned to the watercourse.

### C6 Management agreements

### C6.1 Do you need to enter into a management agreement with Natural England?

No 🔽

Yes 🔲 Give details of the agreement below.

### C7 Environmental management systems

### C7.1 Which of the following management systems will you provide for your proposed operation?

N/A	$\mathbf{\nabla}$
Eco-Management and Audit Scheme (EMAS)	
ISO 14001	
Other Give details below.	

### **C8** Supporting documents

### C8.1 Please read through this list and tick the items you are sending with this application.

If you provided any of the documents when you sent your pre-application, and nothing has changed, you do not need to send them again.

A map showing the following:

Each point of abstraction	
The area of land the water will be used on	
The site of any proposed reservoir or water body to be used for storage	
The points where water will be discharged	$\mathbf{Z}$
An outline of the land you have, or will have, the rights of access over	
C8.2 Below is a list of additional information you need to send for us to process your formal application.	I
Any extra information you have enclosed	

Any extra information you have enclosed	
The application fee	$\mathbf{\nabla}$
Details of how you calculated the amount of water you intend to abstract	Z
Confirmation of the right of access or negotiations so far	
Continuation sheet for answers to questions	
Details of aggregation with existing licences	
Environmental statement or report (if necessary)	$\mathbf{Z}$

### **C9** Application fee

See the guidance notes on part A or the details of our Charges Scheme for the current application fee. We cannot process this application if you do not pay the correct fee.

### How do you want to pay your application fee? C9.1

Cheque Please make payable to 'Environment Agency'.	
Debit card or credit card We will contact you to take your card details.	

### Declaration and signature C10

This form must be signed by the appropriately authorised person or people. The table below gives details of who can sign this form.

Type of licence holder	Signature needed
Registered company	Company director or company secretary
Limited liability partnership	A partner, company director or company secretary
Individual	The individual
Public body (for example, a local authority or NHS trust)	A person authorised to sign documents on behalf of the organisation
Group of individuals	Allindividuals
Partnerships	One or more of the partners
Trust	All trustees or the chairman, treasurer or secretary

It is an offence to make a false statement for the purpose of getting or transferring a licence.

By signing below you are declaring that as far as you know and believe, the information you have given in your application, and any map, extra information sheets and supporting documents, is true.

Signature

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Title (Mr, Mr	s, Miss and so on) Mr	]
First name	Ewan	
Last name	Campbell-Lendrum	
osition		

Today's date (DD/MM/YYYY)

2018

### The Data Protection Act 1998 C11

We, the Environment Agency, will process the information you provide so that we can:

- deal with your application; .
- make sure you keep to the conditions of your licence;
- process renewals;
- advertise your application and make it available to the public in line with the Water Resources Act 1991; and
- keep the public registers up to date.

We may also process or release the information to:

- offer you documents or services relating to environmental matters;
- consult the public, public bodies and other organisations (for example, Natural Resources Wales, the Department for the Environment, Food and Rural Affairs, the Health and Safety Executive, local authorities, the emergency services) on environmental issues;

### C11 The Data Protection Act 1998, continued

- carry out research and development on environmental issues;
- provide information from the public register to anyone who asks;
- prevent anyone from breaking environmental law, investigate cases where environmental law may have been broken, and take any action that is needed;
- assess whether customers are satisfied with our service, and to improve our service; and
- respond to requests for information under the Freedom of Information Act 2000 and the Environmental Information Regulations 2004 (if the Data Protection Act allows).

We may pass the information on to our agents or representatives to do these things for us.

### C12 Commercial confidentiality and national security

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### C13 Where to send the form

Please send this form and any supporting documents to:

Permitting and Support Centre Water Resources Team Quadrant 2 99 Parkway Avenue Parkway Business Park Sheffield S9 4WF.

Or email to: psc-waterresources@environment-agency.gov.uk

If you are not sure about anything in this form, phone us on 03708 506 506.

### C14 Next steps

We will check this application and contact you if we have any questions.

If we approve this application, we will send you the licence. We will contact you once this is done.

If you are happy with our service, please tell us. It helps us to identify good practice and encourages our staff. If you're not happy with our service, or you would like us to review a decision we have made, please let us know.

More information on how to do this is available from our complaints and appeals procedures (www.gov.uk/government/organisations/environment-agency/ about/complaints-procedure).



### Application for a water resources impoundment licence – part D



Water Resources Act 1991 (as amended by the Water Act 2003), Environment Act 1995, The Water Resources (Abstraction and Impounding) Regulations 2006

### Introduction

Plea	ase read through this application form and the dance notes carefully before you fill this form in.	D7 D8
	u are not sure about anything in this form, phone us on	D9
037	08 506 506 or send an email to	D10
end	uiries@environment-agency.gov.uk.	D11
ong		D12
Con	Contents	
D1	Applicant's name	D14
D2	Type of application	D15
D3	Licence number of existing licence	D16
223552		

D4 Locations of impounding works

### D1 Applicant's name

### D1.1 Give the name of the applicant

Title (Mr, Mrs, Miss and so on) Mr

First name , Ewan

Last name Campbell-Lendrum

(This must be the same as the name given in part A at A3, A4, A5 or A6, as appropriate.)

### D2 Type of application

### D2.1 Is this application for new impounding works?

No 🔽

Yes 🔲 Go to D4.

D2.2 Are you applying to change or remove existing impounding works?

No 🗌	
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Yes 🔽

D2.3 Are you applying for a licence for existing impounding works?

No ☑ Yes □

- D5 Impoundment method and purpose
  D6 Safe passage for eels
  D7 Description of impounding works
  D8 Flow controls, levels and capacities
  D9 Diversion works
  D10 Other permissions
  D11 Supporting documents
  D12 Making a pre-application
  D13 Application fee
  D14 Declaration and signature
  D15 The Data Protection Act 1998
  D16 Commercial confidentiality and national security
- D16 Commercial confidentiality and national security
- D17 Where to send the form
- D18 Next steps

### D3 Licence number of existing licence

D3.1 If you are applying to change or remove existing licensed impounding works, what is your current licence number?

### D4 Locations of impounding works

### D4.1 An impounding location can be a single point, a reach (stretching between the banks of a river) or an area.

In the table below, give the details of the locations you will impound water from.

- If the location is a point, give the national grid reference for that point.
- If the location is a reach, give the national grid references for the points on the riverbanks the impoundment works will stretch between.
- If the location is an area, give four national grid references relating to the corners of the area. (The first you give should be the one for the top left-hand corner, continuing clockwise around the area.)

The guidance notes explain how to find out national grid reference numbers.

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D4 FOCATIONS OF IMPO	Partition (Chine Chine in Chines of the	5				
Name of the impoundment location	Name of the watercourse to be impounded	Type of location (single point, reach or area)	First national grid reference	Second national grid reference	Third national grid reference	Fourth national grid reference
Naburn Weir	River Ouse	reach	SE 59337 44559	SE 59293 44532		

You need to mark the impounding locations on a map and send this with the application. See D11 for further details.

## D5 Impoundment method and purpose

# D5.1 In the table below say what method of impounding you will use at each impoundment location. Please also state the purpose for each impoundment.

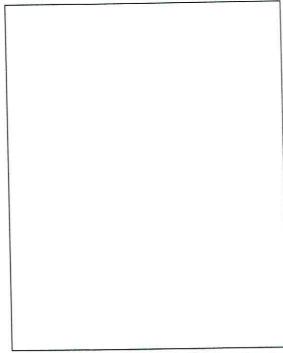
The answers you give in the second and third columns must be listed in D5 of the guidance notes.

The answers you give in the second and unitin continue mast be instead to be on the second		
Name of the impoundment location Give same names as in D4	Means of impounding	Purpose
	Fixed weir	Hydropower

### D6 Safe passage for eels

### D6.1 Have you discussed with us the need to provide an eel pass at your site?

- No 🔽 Contact us before you send in this application.
- Yes In the box below, give details of the discussions you have had with us (for example, a brief outline of the outcome of the conversation and who you spoke to).



If you have design drawings or details, attach them to this application form when you send it to us.

### D7 Description of impounding works

### D7.1 Please give us a full description of your proposals to build, alter or remove impounding works. (Continue on a separate sheet if you need to.)

Naburn weir is a notched V-shaped weir that spans the main river channel. Approximately 135m upstream of the weir the channel splits to create a navigational channel along the left hand side leading to two operational locks.

The two channels are separated by a small island, where there is a visitor centre and several mooring points, which extends approximately 105 m downstream of the weir.

The proposed HEP scheme comprises the installation of three Archimedes screw turbines, a fish pass and associated infrastructure on the island, adjacent to the weir.

Water flowing through the HEP channels will be controlled by both the rotation speed of the screw turbines and by the main inlet sluice gates situated immediately upstream of the screws.

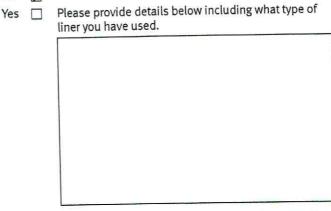
### D7 Description of impounding works, continued

### D7.2 Will any areas behind the impounding works end up under water (be submerged) as a result of the impoundment?

- No 🔽
- Yes 🔲 Please show these areas on a map.

### D7.3 Will the submerged area be lined?

No 🔽



### D7.4 Will the impounding works be used to regulate the flow of other inland water?

No 🔽

How it is marked on the map

### D7.5 Do you propose to abstract water from the impounding works?

### No 🗌

Yes Z Please provide details below. You will also need to fill in forms WR330 and W332 to apply for an abstraction licence.

What will the water be used for? Hydropower - non consumptive Please provide quantities below. Maximum daily rate 2,592,000.000 cubic metres Maximum yearly rate 699,900,000.000 cubic metres How will the impounding works provide this yield? (Continue on a separate sheet if you need to.) Maximum flow rate 30 m3/s; maximum daily rate based on continuous operation, maximum yearly rate based on detailed hydrological modelling.

Yes Delease provide details below. Name of inland water

### D8 Flow controls, levels and capacities

### D8.1 Do you intend to control the discharge of water downstream of the impoundment works?

No	Go to D8.4.
Yes	Go to D8.2.

### D8.2 Please give details about the point of discharge.

Description of discharge point

The discharge exiting the outfall will be controlled by sluice gates situated upstream of the turbines.

National grid reference of discharge point SE5935044541

How it is marked on the map OUTLET

### D8.3 Please give details about how you will control and measure the discharge of water downstream of the impoundment works.

Description of the control method

Water flowing through the HEP channels will be controlled by both the rotation speed of the screw turbines and by the main inlet sluice gates situated immediately upstream of the screws.

The flow rate through the HEP channels will be adjusted as described above by a control system that uses continuous data from water level sensors.

Description of measurement method at control point

The abstraction/discharge volumes will be back-calculated from the HEP power output.

### D8 Flow controls, levels and capacities, continued

National grid reference of control point , SE5933944568

How the control point is marked on the map MAIN INLET VALVES

Proposed flow at the control point 30 m3/s units

### D8.4 What will the planned overflow level of the impoundment works be?

Please state as the number of metres above ordnance datum – see the guidance notes.

5 metres

### D8.5 What is the planned capacity of the impoundment works when full to spillway level?

510 \_\_\_\_ metres

Please provide your calculations on a separate sheet.

### D8.6 Will you be creating a raised reservoir?

No 🔽 Go to D9.

Yes 🗌

### D8.7 Have you met the requirements of the Reservoirs Act 1975?

- No 🗆
- Yes 🗌

### **D9** Diversion work

### D9.1 Do you intend to divert the flow of the inland water while you are building or changing the impounding works?

No 🗌

Yes 🔽 How will you do this? (Continue on a separate sheet if you need to.)

Only marginally to create a dry working area immediately adjacent to the intake and outfall areas. This will use temporary steel sheet piling.

We need to see plans and drawings of the proposed diversion works. See D11.

### D10 Other permissions

### D10.1 Do you need to apply for permission under the Land Drainage Act 1991?

No	$\checkmark$	Go to	D11.
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Yes 🗌

### D10.2 Have you already applied for this permission?

No 🗌 Go to D11.

Yes 🔲 Give details below.

Water Resources Act 1991 – Section 109 Date you applied (DD/MM/YYYY)

Application reference number

Water Resources Act 1991 – Section 90 Date you applied (DD/MM/YYYY)

Application reference number

Land Drainage Act 1991 – Section 23 Date you applied (DD/MM/YYYY)

Application reference number

### D10.3 Do any other legal requirements apply to the works?

No 🗆

Yes 🗆

Give details below. (Continue on a separate sheet if you need to.)

### D11 Supporting documents

### D11.1 Please read the list below and tick the items you are sending with this form.

V

V

V

V

Plans and sections of the proposed impounding works

- Plans and sections of the proposed diversion works
- Calculations for the capacity you specified D8.5

Continuation sheet for answers to questions

- Design drawings of any eel pass
- A map showing:
  - The location of the impounding works
  - Any area which will be submerged
  - The points where the water will be discharged
  - Any control or measurement points

### D12 Making a pre-application

We can use the information you have provided so far to make an initial assessment of your proposal. We strongly recommend that you send us your parts A (or WR317 for Hydropower) and D now, as a 'pre-application', so we can identify any issues before you pay the application fee. We will carry out pre-application work up to 15 hours free of charge. Over 15 hours will be chargeable. The current fees can be found at www.gov.uk or at the link here.

### D12.1 Do you want to send parts A (or WR317 for Hydropower) and D now as a pre-application?

- No 🔽 Fill in the rest of this form.
- Yes Send parts A and D, and any supporting documents, to us now. Do not fill in the rest of the form or send the application fee.

### D13 Application fee

The current fees can be found at www.gov.uk or at the link here. We cannot process this application if you do not pay the correct fee. We cannot process this application if you do not pay the correct fee.

### D13.1 How do you want to pay your application fee?

Cheque Please make payable to 'Environment Agency'.

Debit card or credit card We will contact you to take your card details.

### D14 Declaration and signature

This form must be signed by the appropriately authorised person or people. The table below gives details of who can sign this form.

Type of licence holder	Signature needed
Registered company	Company director or company secretary
Limited liability partnership	A partner, company director or company secretary
Individual	The individual
Public body (for example, a local authority or NHS trust)	A person authorised to sign documents on behalf of the organisation
Group of individuals	Allindividuals
Partnerships	One or more of the partners
Trust	All trustees or the chairman, treasurer or secretary

It is an offence to make a false statement for the purpose of getting or transferring a licence.

By signing below you are declaring that as far as you know and believe, the information you have given in your application, and any map, extra information sheets and supporting documents, is true.

 $\Box$ 

V

### D14 Declaration and signature, continued

Signature

ën-	Cemptr. in	
Name		

Title (Mr, Mr	s, Miss and so on) Mr	
First name	Ewan	
Last name	Campbell-Lendrum	

### Position

Managing Director

### Today's date (DD/MM/YYYY)

### 14/09/2018

### D15 The Data Protection Act 1998

We, the Environment Agency, will process the information you provide so that we can:

- deal with your application;
- make sure you keep to the conditions of your licence;
- process renewals;
- advertise your application and make it available to the public in line with the Water Resources Act 1991; and
- keep the public registers up to date.

We may also process or release the information to:

- offer you documents or services relating to environmental matters;
- consult the public, public bodies and other organisations (for example, Natural Resources Wales, the Department for the Environment, Food and Rural Affairs, the Health and Safety Executive, local authorities, the emergency services) on environmental issues;
- carry out research and development work on environmental issues;
- provide information from the public register to anyone who asks;
- prevent anyone from breaking environmental law, investigate cases where environmental law may have been broken, and take any action that is needed;
- assess whether customers are satisfied with our service, and to improve our service; and
- respond to requests for information under the Freedom of Information Act 2000 and the Environmental Information Regulations 2004 (if the Data Protection Act allows).

We may pass the information on to our agents or representatives to do these things for us.

### D16 Commercial confidentiality and national security

You may be able to claim commercial confidentiality for information contained in your application. Please read the guidance note for this question, along with WR25 – Public register and advertising applications, before responding below.

### D16 Commercial confidentiality and national security, continued

Tick the box if you want to claim commercial confidentiality for some information in your application. Please treat the information listed and justified in the attached letter as commercially confidential.

Note: You should make sure that we can easily identify the information which you consider to be confidential. It will help us if the information you want us to treat as commercially confidential is provided in a way which will allow it to be easily removed (for example, on separate pages marked 'claimed confidential').

 $\Box$ 

You can ask the Secretary of State for information in your form not to be included in any public notice or the public register because including it would be a risk to national security. With your application you must enclose a letter telling us that you have asked the Secretary of State for this, and you must still include the information in your application. We will not include the information in any public notice or public register unless the Secretary of State decides that it should be included.

Tick the box if you are applying to the Secretary of State for National Security.

PLEASE NOTE: You cannot apply for national security through this application.

### D17 Where to send the form

Please send this form and any supporting documents to:

Permitting and Support Centre Water Resources Team Quadrant 2 99 Parkway Avenue Parkway Business Park Sheffield S9 4WF.

Or email to: psc-waterresources@environment-agency.gov.uk

If you are not sure about anything in this form, phone us on 03708 506 506.

### D18 Next steps

We will check this application and contact you if we have any questions.

If we approve this application, we will send you the licence. We will contact you once this is done.

### If you are happy with our service, please tell us. It helps us to identify good practice and encourages our staff. If you're not happy with our service, or you would like us to review a decision we have made, please let us know.

More information on how to do this is available from our complaints and appeals procedures

(www.gov.uk/government/organisations/environment-agency/ about/complaints-procedure).

