



The Water Environment (Controlled Activities)(Scotland) Regulations 2011

LICENCE APPLICATION FORM D

ABSTRACTIONS AND IMPOUNDMENTS

SECTION 1: ACTIVITIES APPLIED FOR					
ACTIVITIES APPLIED FOR (please use CAR-LA-FORM-K for the construction of deep boreholes >200m)					
Please indicate how many activities you are applying for under each category.		No.:	National Grid Reference (10 character) of abstraction or impoundment	Name of source waterbody or impounded waters	Source type • Watercourse • Reservoir • Loch • Groundwater • Spring • Wetlands
1.1 Abstractions:					
Registration	An abstraction of more than 10m ³ /day and less than or equal to 50m ³ /day		Attach separate application forms for registration to this application		
Simple Licence	An abstraction of more than 50m ³ /day and less than or equal to 2000m ³ /day				
Complex Licence	An abstraction of more than 2000m ³ /day		NT 70620 37540	Eden Water	Watercourse
1.2 Borehole construction and operation					
To construct and operate a borehole you need to obtain a CAR registration or licence					
Enter registration or licence number if you have already obtained a permit:					
1.3 Mobile abstraction units used to abstract water under this application					
Mobile Plant	Additional mobile unit abstraction location(s)		- -		
	If applicable please state how many mobile abstraction units are to be used to abstract water applied for under this licence				
1.4 Impoundments:					
Simple Licence	Existing passive weir		- -		
	Existing managed weir less than or equal to 1 metre high		- -		
	Existing raised loch less than or equal to 1 metre high		- -		
	Construction of all new impoundments less than or equal to 1m high that do not affect the passage of salmon or sea trout.				
	Removal or modification of an impoundment authorised under GBR1		- -		
	Removal or modification of a simple licence level impoundment		- -		
Complex Licence	Construction and operation of all other impoundments		NT 70620 37540	Eden Water	Watercourse
	Removal or modification of a complex licence level impoundment		- -		

SECTION 2: REASONABLE NEED

2.1 PLEASE INDICATE YOUR MAIN CATEGORY OR CATEGORIES OF USE (if appropriate)

Agricultural irrigation		Please complete Q2 and Table A
Agricultural water supply		Please complete Q2 and Table B
Golf Course irrigation		Please complete Q2 and Table C
Industry (other than hydropower)		Please complete Q2 and Table D
Private Water Supply		Please complete Q2 and Table E
Public Water Supply		Please complete Q2 and Table F
Hydropower	YES	Please complete Q2 and Table G
Other(please specify)		Please complete Q2 and Table H

2.2 ALL USERS

2.2.1 Total Quantities to be authorised Please give the total volume of usage in cubic metres to be authorised from all sources in the periods indicated	Hour (m ³) 2880	Day (m ³) 69120	Year (m ³) 17,000,000
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2.2.2 Please set out here any other information, e.g. supporting calculations, operational practices or other reasons, in addition to that which you include in the following tables, to show how you have arrived at the quantities set out above that you are seeking to have authorised. (Please continue on a separate sheet were necessary)	Volume Abstracted = Maximum turbine discharge x Time
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2.2.3 Please set out here what steps you have taken or intend to introduce to ensure efficient use of water (Please continue on a separate sheet if necessary)	Not Applicable – non-consumptive use
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Table G – Hydropower	
G.1 Please give the head of water (H) and the design flow (Q)	<p>H: in metres 11.1m gross head, 9.5m design head</p> <p>Q: in m³/sec 0.8 m³/sec</p>
G.2 Provide the estimated installed efficiency of the turbine	<p>Gearbox: 97%</p> <p>Generator: 94%</p> <p>Crossflow Turbine: 80%</p> <p>Water-to-wire: 73%</p>
G.3 Please give the installed capacity of the turbine in Mega Watts	0.050 MW (50kW)

SECTION 3 APPLICATIONS INCLUDING ABSTRACTION ACTIVITIES

Complete this table for all activities you are applying for. If you are applying for a licence which includes more than one abstraction activity please copy, complete and reference a separate table for each licensable activity.

No. of Section 3 tables completed:

Table ref: (e.g.1 of 2, 2 of 2)

ABSTRACTION DETAILS:

3.1 Abstraction Point No/Ref/Name

(This should correspond to a reference on the site map in 2.4 of Form A):

3.2 Source type (tick one):

Watercourse Reservoir Loch
 Groundwater Spring Wetlands

3.3 Name of watercourse or loch (if applicable):

3.4 National Grid Reference of abstraction. Specify a single point or for mobile abstraction units specify the upstream (u/s) and downstream (d/s) limits.

SINGLE POINT: NT 7062 3754 (format XY 1111 2222)

MOBILE UNIT: (u/s) - - (format XY 1111 2222)

(d/s) - - (format XY 1111 2222)

3.5 Please provide a full description of your proposals to construct or alter any surface water intake structure, including plans and cross sections.

Document name / reference:

Environmental Report

3.6 Please provide method statements describing the method and controls of construction or alteration for any surface water intake structure

Document name / reference:

Environmental Report

3.7 Using the look up table in Section 3 of the guidance specify the Purpose Category/Categories for the use of the abstracted water.

Primary purpose: HYDROPOWER

Secondary purpose:

3.8 Do you consider this abstraction would qualify as an environmental service?

 NO YES, provide details on separate sheet

Document name/ reference:

3.9 Do you consider this abstraction would qualify for abated charges?

 NO YES, provide details on separate sheet

Document name/ reference:

3.10 What is the maximum proposed rate or volume of abstraction for this abstraction activity?

Conversion: 1m³ = 1000 litres1m³ = 220 gallons1m³/hour = 0.2778 litres/sec

litres/ second:

cubic metres/ day:

cubic metres/ year:

800

69120

17,000,000

3.11 Describe how you propose to monitor the volume of water abstracted?

Document name/ reference:

Environmental Report

3.12 Do you intend to abstract every year or only intermittently?

(Intermittent means that it is predictable in which years you will abstract. If you are applying to have the capability to abstract in any year, select annual)

 ANNUALLY INTERMITTENTLY, if so, please provide further details on separate sheet

Document name/ reference:

3.13 Please tick during which months the abstraction takes place and, if available, indicate abstraction volumes (m³/month).

Jan

Feb

March

April

May

June

July

Aug

Sept

Oct

Nov

Dec

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

3.14 Is any abstracted water to be discharged back into the water environment? If yes, enter the National Grid Reference (NGR) of the discharge point(s).

Please note this discharge may require authorisation as a point source discharge See the CAR Practical Guide for further details.

 NO YES

NGR: 1) NT 7065 3757 (format XY 1111 2222)

NGR: 2) - - (format XY 1111 2222)

(format XY 1111 2222)

3.15 Where you have selected 'yes' above specify the water returned as a percentage of take at the above grid reference(s)	NGR: 1) 100% of abstracted water returned NGR: 2) - - % of abstracted water returned	
3.16 If appropriate, provide information on the proposed operating regime (e.g. abstraction limits, hands off flow etc)	Document name/ reference:	Environmental Report
3.17 Where a management agreement is in place which influences the abstraction, please provide details.	Document name/ reference:	
3.18 If appropriate, provide information on any inter-relationships between abstraction points applied for as part of this application (see section 3 of the guidance)	Document name/ reference:	
3.19 Please describe any legal rights to the water you intend to abstract or any agreements with parties that hold the water rights or rights of access.	Document name/ reference:	
3.20 Please provide for mobile spray irrigation abstractions and water transfers a method statement detailing how each activity is to be carried out to prevent the spread of invasive non-native species ¹ .	Document name/ reference:	
3.21 On what date do you intend to commence the abstraction activity applied for?	June 2025	
3.22 If applicable what date do you intend to start construction works?	Feb 2025	
Additional information for groundwater abstractions only:		
3.23 If known, provide dimensions of the proposed borehole (or well) in metres: Conversion: 1inch = 0.0254m; 1foot = 0.3048m	Depth:	Diameter:
3.24 Where the abstraction is greater than 50m ³ /day provide a water features survey (see section 3 in the guidance)	Document name/ reference:	
3.25 If known, what is the rock type from which the abstraction is being made?	<input type="checkbox"/> Unconsolidated <input type="checkbox"/> Solid rock	

¹ For information see the check, clean, dry procedure as outlined in the GB non-native species secretariat website (<http://www.nonnativespecies.org/checkcleandry/biosecurity-for-everyone.cfm>) and guidance set out in GPP5 (http://www.netregs.org.uk/media/1418/gpp-5-works-and-maintenance-in-or-near-water.pdf?utm_source=website&utm_medium=social&utm_campaign=GPP5%2027112017)

SECTION 4: APPLICATIONS INCLUDING IMPOUNDMENT ACTIVITIES		
Complete this table for all impoundments that you are applying for. If you are applying for a licence which includes more than one impoundment structure please copy, complete and reference a separate table for each activity		
No. of Section 4 tables completed:		Table ref: (e.g.1 of 2, 2 of 2)
IMPOUNDMENT DETAILS:		
4.1 Impoundment No/Ref/Name: (This should correspond to the reference on the site map)	Boulder Weir	
4.2 Type of original waterbody impounded:	<input checked="" type="checkbox"/> WATERCOURSE <input type="checkbox"/> LOCH <input type="checkbox"/> NONE	
4.3 Name of watercourse or loch impounded:	EDEN WATER	
4.4 National Grid Reference of impoundment (from mid point of impounding structure):	NT 7061 3754 (format XY 1111 2222)	
4.5 Using the look up table in Section 4 of the guidance specify the Purpose Category/Categories for the use of the impounded water. Continue on separate sheet if necessary.	Primary purpose: HYDROPOWER Secondary purpose:	
4.6 Do you consider this impoundment would qualify as an environmental service?	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES, provide details on separate sheet	
	Document name/ reference:	
4.7 Do you consider this impoundment would qualify for abated charges?	<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES, provide details on separate sheet	
	Document name/ reference:	Environment Report
4.8 Where a management agreement is in place which influences the operation of the impoundment, please provide details.	Document name / reference:	
4.9 Please provide a full description of your proposals to construct, alter or remove the impoundment, including plans and cross sections.	Document name / reference:	1. Environment Report 2. Design Drawings
4.10 Please provide method statements describing the method and controls of construction/alteration/removal works	Document name / reference:	Environment Report
4.11 If applicable, what date do you intend to start construction, alteration or removal works for the impoundment?	Document name / reference:	May 2025
4.12 Height of impoundment structure:	0.3m	
4.13 Please give the level of the overflow or crest of the dam (metres AOD) if this is different to the height of the impoundment structure	54.90 mAOD	
4.14 National Grid Reference of outflow point from impounded waterbody	NT 7065 3757 (format XY 1111 2222)	
4.15 Where there is a means of drawing the impounded water down, what is the minimum draw-off level (metres AOD)?	54.60 mAOD	
4.16 Provide details of ongoing maintenance of this impoundment structure e.g. debris clearance, scour valve operation, fish pass maintenance etc.	Document name / reference:	Environment Report
4.17 Please provide details of any sediment management plan associated with this impoundment (see guidance in section 4.17)	Document name / reference:	Environment Report
4.18 Is there to be provision for fish passage?	<input checked="" type="checkbox"/> NO, please provide a justification for this on a separate sheet <input type="checkbox"/> YES, if so, please design details on separate sheet	
	Document name / reference:	Environment Report
4.19 Are there to be fish screens or other fish protection measures?	<input type="checkbox"/> NO, please provide a justification for this on a separate sheet <input checked="" type="checkbox"/> YES, if so, please design details on separate sheet	
	Document name / reference:	Environment Report, Design Dwgs

Licence Application

Form D

Abstractions & Impoundments

4.20 Provide information of the proposed operating regime (e.g. compensation release, freshets, drawdown)	Document name / reference:	Environment Report	
4.21 For reservoirs, the total volume of water to be impounded and, if different total volume of waterbody (where known) (litres or cubic metres): (N.B. this information is not mandatory for schemes less than 25000m³)	Volume of impounded water: Total volume of waterbody:		
4.22 Provide details on any interconnections with other impoundments, abstractions or catchments.	Document name / reference:		
4.23 Is registration required under the Reservoirs (Scotland) Act 2011? (i.e. can the reservoir hold 25,000m ³ or more above the surrounding land?) If yes, answer the following question:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		
4.23.1 Have you already registered your reservoir with SEPA under the 2011 Act?	<input type="checkbox"/> YES	Confirm reference number?	RES/R/.....
	<input type="checkbox"/> NO	Contact SEPA's Reservoir Regulatory Unit at Reservoirs@sepa.org.uk to register	

SECTION 5: ADDITIONAL INFORMATION

5.1 CUMULATIVE CHARGABLE ABSTRACTION VALUE

Please specify the combined maximum volume of abstraction from all abstraction points subject to a subsistence charge? (**Please see guidance for more details**)

Conversion: $1\text{m}^3 = 1000$ litres

$1\text{m}^3 = 220$ gallons

69120 m³/day

5.2 ADDITIONAL INFORMATION SUBMITTED

Please reference additional supporting documents submitted as part of this application

Document name:
Document reference:

**Newton Don Hydro Scheme -
Environment Report**

Document name:
Document reference:

Document name:
Document reference:

Document name:
Document reference: