

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

Licence Application Form E

To be completed for Engineering Activities

How we use your personal information

Under the Data Protection Act 2018 (DPA 2018), we must have a legal basis for processing your information – in this case, processing personal information is necessary to perform our statutory duties ('**Public Task**').

Some of the ways in which we collect and use the information may be through:

- granting and administering of authorisations and maintaining registers
- investigating environmental complaints
- undertaking formal enforcement action
- maintaining our own accounts and records

The personal information we collect and use may include the following: name; address, including postcode; email address and telephone number. SEPA is required, by law, to organise and maintain public registers, and make these registers available for public inspection. We do this by collecting and using the personal information that applicants (or their agents) share in their applications for SEPA authorisations and SEPA permits. After the application form has been processed, some of the information from the form is added to the public register, and becomes available for public inspection. Signatures, personal email addresses, and telephone numbers are not published, unless publication is statutorily required.

There may be occasions when we are required by law to share your personal information with other organisations, e.g. for regulatory reasons, or because doing so is in the general public interest. Any sharing will be carried out lawfully and securely in accordance with the <u>SEPA Data Protection Policy</u>. For more information on how SEPA handles personal information, please refer to our general Privacy Policy at <u>https://www.sepa.org.uk/help/privacy-policy/</u>

If there is any information you wish to justify being kept from the public register on grounds of commercial confidentiality you should contact SEPA before submission of your application.

You should ensure that any persons named on this form are informed of the contents of this Data Protection Notice

1: ASSOCIATED and DEPENDENT ENGINEERING ACTIVITIES

(Please complete for all applications)

List all engineering activities which are being applied for under this application. Enter the number of each activity at each level of authorisation. Associated activities applied for under a single authorisation will be subject to reduced charges. Activities upon which another controlled activity depends (e.g. bed reinforcement associated with a bridge) are classed as dependent engineering activities and will not be subject to charges. All dependent and associated activities should be included below. Please complete a separate sheet E1-6 for each activity (including any dependent activities)

Activity Category	Activity Type	Registration	Simple Licence	Complex Licence	Dependent activity
SEDIMENT	Sediment removal				
MANAGEMENT See Sheet E1	Sediment addition / reintroduction				
BANK REINFORCEMENT, EMBANKMENTS,	Green bank reinforcement (soft)				
FLOODWALLS AND OTHER BANK	Grey bank reinforcement (hard)				
MODIFICATIONS See Sheet E2	Bank re-profiling				
	Embankments /floodwalls				
	Removal of bank modifications				
BRIDGES AND OTHER TYPES OF CROSSING	Bridges				
STRUCTURES	Culverts				
See Sheet E3	Causeways				
	Fords				
	Pipeline/cable crossings				
	Removal of crossings				
IN-STREAM or IN-LOCH STRUCTURES	Jetties, platforms, marinas				
See Sheet E4	Boat slips				
	Boulder placements				
	Croys, groynes, flow deflectors				
	Bed reinforcement				
	Removal of structures				
CHANNEL MODIFICATIONS	Straightening and/or re- sectioning				
See Sheet E5	Realignment			X	
	Culverting for land gain				
	Removal of land gain culvert				
	Flood by-pass channel				
OTHER ENGINEERING ACTIVITIES See Sheet E6	Please see guidance for definition of other activities				

2: ENGINEERING ACTIVITIES – DETAILS

The following information is required for ALL activities listed in Section 1. If there is more than one engineering activity being applied for under this application, and the information in the relevant sections below varies between each activity, then the relevant sections must be copied and completed separately for each activity.

2.1 Best Practice

SEPA promotes general good practice for any works; however this specific test will only apply to licensed activities:

- which cause a failure of an environmental standard
- proposed on a water body already below Good Status or close to the lower class boundary.

This table provides evidence that you have considered Best Practice for the proposed activity. Guidance on Best Practice for a range of activities is available from your local SEPA office.

2.1.1 Justification for Activity. Please indicate the reason the proposed activity is being undertaken. Also indicate where relevant the underlying nature or cause of the problem being addressed.	It is proposed that the burns that flow into the south of Loch Earba shall be realigned around the proposed Shuas Dam and into the raised reservoir. These burns are named: Allt Coire Pitridh Allt Corie a' Chlachair And two tributaries of the above named burns These burns all currently discharge into Loch Earba and the realigned channel would also discharge into Loch Earba. The proposed Shuas dam will block the current route of the above burns before they discharge into Loch Earba. Without channel realignment there would be impoundment on the wrong side of the Shuas dam which would require to be relieved through pumping or a large diversion structure at the dam face.
Please continue on separate sheet if required.	Document name/reference:

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2.1.2 Alternative Approaches. Please detail all the alternative approaches that have been considered to address the need identified in Section 2.1.1 above.	Pumping at Shuas dam has been considered but this is costly, not fail safe and the pumps would not have the capacity of the realigned channel so managing flood conditions presents a risk. A diversion to the Loch Meall Ardruighe reservoir was discounted because the diversion would be considerable in size and the Loch Meall Ardruighe reservoir does not have the capacity for the additional catchment. Please note the residual catchment (1km2) downstream of the realigned channel will flow to the Loch Meall Ardruighe reservoir.
Please continue on separate sheet if required.	Document name/reference:
separate sneet in required.	
2.1.3 Selected Approach.	As discussed above the two other options have been discounted. These are:
Please state why your selected approach represents the best practical environmental option. Please state why any alternatives given in section 2.1.2 above were rejected. Where cost is given as a reason, please provide details.	Overpumping, which has a number of risks should the pumps fail Transfer to Loch Meall Ardruighe reservoir is not technically viable.
Please continue on separate sheet if required.	Document name/reference:

SHEET E1: SEDIMENT MANAGEMENT

Please complete Sheet E1 for all sediment management activities. A separate sheet should be used for each individual activity.						
PART 1 – Please complete for Sediment Management Activities						
1. Type of Activity (please tick)	Sediment removal		Sediment addition / reintroduction			
2. Type of licence	Simple licence		Complex licence			
	Dependent activity					
3. Type of surface water affected	River		Loch			
	Wetland		Canal/Lade			
4. Name of surface water						
5. National grid reference of activity (MIDPOINT) (10 characters e.g. XY 1234 5678)						
If length of activity greater that	n 50m please also complete	6 & 7 belov	N			
6. National grid reference of activity (UPSTREAM EXTENT) (10 characters e.g. XY 1234 5678)						
7. National grid reference of activity (DOWNSTREAM EXTENT) (10 characters e.g. XY 1234 5678)						
8. Width of the surface water (m)? (at the point where the activity is to occur) As measured from the toe of one bank to the toe of the opposite bank						
9. Does the activity qualify as an environmental service? (please tick)	YES		NO			
10. If Yes, please provide justification on separate sheet	Document name/reference:					
PART 2 – please complete for	SEDIMENT REMOVAL					
11. Maximum length of watercourse or Loch/Wetland affected (m) measured along the bed		of wate	al maximum area rcourse or Loch d affected (m²)			
13. Will sediment be removed from >50% of the width of the watercourse	YES		NO			
14. Frequency of activity (please tick)	Single	Annual	ly Other			
15. If Other, please provide further information on frequency and justification on a separate sheet	Document name/reference:					
PART 3 – please complete for	SEDIMENT ADDITION / RE-IN	ITRODUCT	ΓΙΟΝ			
16. Maximum length of watercourse or Loch/Wetland affected (m) measured along bed		of wate	al maximum area rcourse or Loch d affected (m²)			
18. Frequency of activity (please tick)	Single	Annual	ly Other			
19. If Other, please provide further information on frequency and justification on a separate sheet	Document name/reference:					

SHEET E2: BANK REINFORCEMENT	, EMBANKMENTS, FLOODWALLS AND OTHER BANK
MODIFICATIONS	

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Please complete Sheet E2 for all bank modification activities. A separate sheet should be used for each individual activity.

PART 1 – Please complete for bank modifications						
1. Type of activity (please tick)	Green bank reinforceme	ent		Embankı	ment	
	Grey bank reinforcemen		Floodwa	II		
	Bank re-profiling			Removal		
2. Type of licence (please tick)	Simple licence			Complex licence		
	Dependent activity					
3. Type of surface water affected (please tick)	River			Loch		
	Wetland			Canal/Lade		
4. Name of surface water						
5. National grid reference of activity (MIDPOINT) (10 characters e.g. XY 1234 5678)						
If length of activity greater than 5	0m please also complete 6	6 & 7 below				
6. National grid reference of activity (UPSTREAM EXTENT) (10 characters e.g. XY 1234 5678)						
7. National grid reference of activity (DOWNSTREAM EXTENT) (10 characters e.g. XY 1234 5678)						
8. Width of the surface water (m)? As measured from the toe of one			occur)			
9. Does the activity qualify as an environmental service? (please tick)	YES		NO			
10. If Yes, please provide justification on separate sheet	Document name/reference:					
PART 2 – please complete for GR	EEN AND GREY BANK RE		IENT AN	ND RE-PRO	DFILING	
11. Total maximum length of rein	forcement/reprofiling alon	g bank (m)				
12. Type of reinforcement (please tick)	Green (Soft)		. Bank affected lewed looking wnstream) (please k)		Left	
	Grey (Hard)				Right	
PART 3 – please complete for EM	BANKMENTS & FLOODW	ALLS				
14. Total maximum length of modification along the bank		15. Bank (viewed lo		I	Left	
(m)		downstre tick)	am) (ple	ease	Right	
16. Distance from bank top (m) (enter 0m if on bank top)		d height tisting b				
PART 4 – please complete for RE	MOVAL OF BANK MODIFI	CATIONS				
18. Type of structure removed						
19. Total length of modification removed (m)		20. Bank (viewed lo	ooking		Left	
(As measured along the bank)			downstream) (please tick)		Right	

SHEET E3: BRIDGES AND OTHER TYPES OF CROSSING STRUCTURES											
Please complete Sheet E3 for river and loch crossings. A separate sheet should be used for each individual activity											
PART 1 – please complete	e for all river and lo	och crossir	ng activ	vities							
1. Type of activity (please tick)	Bridge			Ford							
	Culvert			Pipeline/	Cable						
	Causeway			Removal type of c			ate whic	h			
2. Type of licence (please tick)	Simple licence			Complex	licenc	е					
	Dependent activi	ity									
3. Type of surface water affected (please	River			Loch							
tick)	Wetland			Canal/La	de						
4. Name of surface water											
5. National grid reference of activity (MIDPOINT) (10 characters e.g. XY 1234 5678)											
If length of activity greater	r than 50m please a	also comp	lete 6 8	& 7 below	1						
6. National grid reference of activity (UPSTREAM EXTENT) (10 characters e.g. XY 1234 5678)											
7. National grid reference of activity (DOWNSTREAM EXTENT) (10 characters e.g. XY 1234 5678)	Λ										
8. Width of the surface wa As measured from the toe											
PART 2 – please complete	of or BRIDGES										
9. Number of in- channel supports (if				mum leng along eac	•	Left					
none, please enter '0')		bank (m)		Right							
11. Total maximum area of all in-channel		12. Minir abutmer		listance back froi	m	Left					
supports (m²)		each bai	nk toe	(m)		Right					
13. Minimum distance abu from bank top on each ba		Left				Righ	nt				
PART 3 – please complete											
14. Maximum length of cu	Ivert along bed (m))	1	5. Diame	ter / din	nensio	ns of cul	lvert ((m)		
16. Type of culvert Bo (please tick)	×	Pi	ре			Arch					
17. Is culvert to be laid below natural bed level Yes No											
PART 4 – please complete for FORDS & CAUSEWAYS											
18. Maximum length of bed affected 19. Total maximum area of bed affected (m ²) (m) (measured parallel to bank/shore) 19. Total maximum area of bed affected (m ²)											
PART 5 – please complete	of or PIPELINE/CAE	BLE CROS	SINGS	;							
20. Diameter of pipeline/cable (m)		I. Number (none, plea			upports	•					
22. Position of pipeline/cable (please tick	Below		n bed	·			bove hannel				
23. If set below bed level please stipulate minimum depth buried below bed (m)											

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SHEET E4: IN-STREAM OR IN-LOCH STRUCTURES

Please complete Sheet E4 for in-stream and loch structures. A separate sheet should be used for each individual activity.

PART 1 – please complete for all in-stream and loch structures.							
1. Type of activity (please tick)	Jetties, platforr marinas	ns,		Croys,	, groynes, flow d	eflectors	
	Boat slips			Bed re	inforcement		
	Boulder placen	nents			val (please also i type of structure		
2. Type of licence (please tick)	Simple licence			Compl	lex licence		
	Dependent acti	vity					
3. Type of surface water affected (please tick)	River			Loch			
	Wetland			Canal/	Lade		
4. Name of Surface Water							
5. National grid reference of activity (MIDPOINT) (10 characters e.g. XY 1234 5678)							
If length of activity greater that	n 50m please als	o complet	e 6 & 7	below			
6. National grid reference of activity (UPSTREAM EXTENT) (10 characters e.g. XY 1234 5678)							
7. National grid reference of activity (DOWNSTREAM EXTENT) (10 characters e.g. XY 1234 5678)							
8. Width of the surface water (As measured from the toe of o)		
9. Does the activity qualify as	an environmenta	I service?	(please	e tick) Y	'ES	NO	
10. If Yes, please provide justification on separate shee	Document name/refere	nce:			,		
PART 2 – please complete for	JETTIES, PLATF	ORMS, MA	ARINAS	AND BOAT	SLIPS		
11.Total maximum length of bank/shore affected (m)			into s	aximum leng surface water toe (m)	gth extending r from the		
13. Total maximum area of Loch/Wetland affected (m ²)		14. Type o (please tic		ure Sol	lid	Stilted	
PART 3 – please complete for	BOULDER PLAC	EMENTS					
15. Total maximum length of reach affected (m)				otal maximu d affected (m			
PART 4 – please complete for	CROYS, GROYN	ES, FLOW	DEFLE	CTORS			
17. Maximum length of bank affected (m)			into s	aximum leng surface wate toe (m)	gth extending r from the		
19. Total maximum area of bed affected (m ²)							
PART 5 – please complete for	PART 5 – please complete for BED REINFORCEMENT						
20. Maximum length of bed re (measured parallel to banks) (21. Total ma bed affected	aximum area of d (m²)		
22. Position of bed reinforcem	ent (please tick)		Below	bed		On bed	
23. If set below bed level please stipulate minimum depth bed reinforcement buried below surface							

SHEET E5: CHANNEL MODIFICATIONS

Please complete Sheet E5 for all channel modification activities. A separate sheet should be used for each individual activity.

PART 1 – Please complete for all channel modifications													
1. Type of Activity (please tick)		Straightening, resectioning				Re	emo	val of lan	d gain c	ulvert			
	Re	alignme	ent			Fle	Flood by-pass channel						
	Cu	lverting	for la	ind gain									
2. Type of licence (please tick)	Sir	nple lice	ence			Co	omp	lex licen	ce				
. ,	De	penden	t activ	/ity									
3. Type of surface water affected	Riv	/er				Lo	och						
(please tick)	We	etland				Ca	anal/	/Lade					
4. Name of surface w	ater	Allt C Allt C	oire a oire a	' Chlachair i ' Chlachair i ' Chlachair itridh – 1.0r	tributary 1								
5. National grid reference of activity (MIDPOINT (10 characters e.g. X 1234 5678)	Г)	N	M	4	6	5		1	8	0	6	8	
If length of activity g	reater t	han 50n	n plea	ise also co	mplete 6 &	7 bel	ow						
6. National grid reference of activity (UPSTREA EXTENT) (10 charact e.g. XY 1234 5678)	M	N	N	4	6	1		0	8	0	2	3	
7. National grid reference of activity (DOWNSTREAM EXTENT) (10 charact e.g. XY 1234 5678)		N	N	4	6	8		0	8 1 2 9			9	
8. Width of the surfac As measured from th								occur)	0.3 All 0.3 All	im t Coire a' (Chlachair Chlachair t		
9. Does the activity q tick)	ualify a	as an en	viron	mental ser	vice? (plea	se	YE	S		NO			
10. If Yes, please pro justification on separ		eet		Document	name/refe	rence	:	Please	e refer to	CAR Lice	ence Rep	ort	
PART 2 – please com			AIGHT	ENING, RE	SECTION	NG A	ND I	REALIGN	IMENT				
11. Maximum length original channel affe		1) 28	00m		12. If relevent to the tensor of tensor		ninir	mum leng	gth of ne	W	1800)m	
channel (m)	storm Sectio 0.9m; 2 Sectio 1.8m; 5 Sectio 1.8m; Sectio 2.3m; Sectio 8.5m	2.7m n 2 5.4m n 3 5.4m n 4 6.3m n 5 2.7m n 6	- - -	n Channel (m) 14. Depth of new channel (m) as measured from bank top to bank toe Section 1 – 1.0m Section 2 – 1.75m Section 3 – 1.75m Section 4 – 3.0m Section 5 - 0.75 Section 6 – 1.75m Section 6 – 1.75m									
PARI 3 – please com	ipiete f	or CUL		NG FUR L	AND GAIN	rete	r to	SEPA PO	sition S	tatement	WAI-PS-	00-02	

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15. Maximum lengt along bed (m)	h of culvert	16. Diameter/dimension (m)	is of culvert	
17. Type of culvert (please tick)	Box	Pipe	Arch	
18. Is culvert to be	laid below natural bed le	evel Yes	No	
19. If set below bec	I level please stipulate n	ninimum depth buried below su	rface (m)	
PART 4 – please co	omplete for FLOOD BY-F	PASS CHANNELS		
20. Minimum lengtl by-pass channel (n		21. Maximum length of original channel affected (m)	2800m	
22. Operational return period (e.g. 1 in 5 years)	Designed to carry flows up to 1 in 10,000 + CC	23. Is catchment transfer involved? (please tick)	YES	NO
24. If Yes to Q23, provide details	Document Ref :			

SHEET E6: OTHER ENGINEERING ACTIVITIES

Please complete Sheet E6 for other engineering activities (not defined above). A separate sheet should be used for each individual activity. Before completing this application, please check with your local SEPA office that an application is required. SEPA would normally only require an application for activities not defined elsewhere in the CAR practical guide, if a significant adverse impact was likely.

PART 1 – please complete for	all activities	
1. Type of activity (please provide full details of the type of activity being applied for).		
Continue on separate sheet if necessary	Document name/reference:	
2. Type of licence	Simple licence	Dependent activity
3. Type of surface water affected (please tick)	River	Loch
	Wetland	Canal/Lade
4. Name of surface water		
5. National grid reference of activity (10 characters e.g. XY 1234 5678)		
6. Width of the surface water (m)? (at the point where the activity is to occur) As measured from the toe of one bank to the toe of the opposite bank		
7. Does the activity qualify as an environmental service? (please tick)	YES	NO
8. If Yes, please provide justification on separate sheet.	Document name/reference:	

3: ADDITIONAL INFORMATION

In addition to completing the relevant sections above, the following information MUST be clearly referenced and submitted with this application.

Please provide the following	for all activities:	
1. Accurate SCALE DRAWINGS of any design structures or proposed modifications For further information on Large infrastructure design drawings please see SEPA guidance ' <i>Principles of</i> <i>Engineering Drawings :</i> <i>Infrastructure Projects</i> '	Document name(s)/reference(s):	Pitridh Aqueduct Plan & Long Section – Figure 2.20.1- 2.20.37 Pitridh Aqueduct Cross Sections = Figure 2.20.4 & 2.20.5 Pitridh Aqueduct Details = Figure 2.21.1 & 2.21.2 & 2.21.3 Pitridh Aqueduct Weir Plan – Figure 2.21.4 Pitridh Aqueduct Weir Sections – Figure 2.21.5
2. PHOTOGRAPHS of area where activity is to be carried out	Document name(s)/reference(s):	Photographs are included within Figure 2.20 and within the CAR Licence Report
3. METHOD STATEMENT detailing how each activity is to be carried out, any temporary construction works associated with controlled activities, details of any machinery to be used and a biosecurity plan to prevent the spread of invasive non-native species as a result of the activity ¹ . Please note that it is compulsory to submit this with the application if activities are within screening distance of a protected area	Document name(s)/reference(s):	It is proposed to build the first section of the aqueduct channel in the dry from loch Earba to the first burn, the Coire Pitridh. This burn will then be diverted into the new aqueduct at a period of low flow. The construction of the channel and diversion of burns into the aqueduct will then move upstream. Measures to prevent the spread of INNS during construction are included in the CEMD. The introduction of the new aqueduct into operation will not present an INNS risk. The Pitridh aqueduct shall be built in advance of works starting at Shuas dam. A full RAMS document of the aqueduct works would be submitted as a pre-commencement condition.
4. Details of any other existing or past ENGINEERING WORKS, STRUCTURES OR OTHER MODIFICATIONS located within 250m upstream and downstream of the proposed works	Document name(s)/reference(s):	
5. Any other information (if appropriate please provide detail of any other	Document name(s)/reference(s):	Please refer to the CAR Licence Report

¹ For example the check, clean, dry procedure as outlined in the GB non-native species secretariat website (<u>http://www.nonnativespecies.org/checkcleandry/biosecurity-for-everyone.cfm</u>) and guidance set out in GPP5 (<u>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</u>)

Biosecurity and management of invasive non-native species for construction sites and Controlled Activities

(https://www.sepa.org.uk/media/163480/biosecurity-and-management-of-invasive-non-native-species-construction-sites.pdf)

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information submitted in support of the application e.g hydromorphology/ ecology reports)	
Please note in particular circumstances SEPA may require further information on the justification for your proposale	

Please note, in particular circumstances SEPA may require further information on the justification for your proposals, their environmental impact and necessary mitigation measures. To avoid delays in processing your application, please discuss with your local SEPA office if your activity is likely to require these assessments.