Ancient Monuments and Archaeological Areas Act 1979

It is important that you read the accompanying guidance note to avoid any delay in processing your application. You can complete and submit this form by email (scheduledmonumentconsent@hes.scot) or by post to Heritage Directorate Business Support, Historic Environment Scotland, Longmore House, Salisbury Place, Edinburgh, EH9 1SH.

1 Applicant name and address

Title	Mr	**Ian**		**Surname**	Scade
Company / Organisation	Catrine Community Trust				
Building No / Name	14				
Street	Ballochmyle Street				
Town / City	Catrine				
County / Region	East Ayrshire				
Postcode	KA5 6QP				

2 Monument to which application applies

Index no	5670	**Name**	Catrine: Waterworks for Catrine Mill
Local Authority	East Ayrshire Council	**Grid Ref**	NS 53530 26133
Description of location of land	Water abstraction system built for Cotton Mill and now operating as a community hydroelectric scheme		

3 Pre-application discussions

Have you undertaken pre-application discussions with Historic Environment Scotland? (If yes, please give details below)

Dr Mary McLeod visited the site in February 2019

4 Summary of proposed works (max 20 words)

Installation of a second smolt bypass intake through a scheduled lade wall**.**

5 Description of proposed works

1. Complete a careful ground investigation on the landward side of the lade wall under the Supervision of Rothmell Archaeology for a minimum of two metres horizontally and to the full Depth required to install the new precast concrete fish bypass.
2. Carefully dismantle lade wall 1.5 metres wide for a depth of 1 metres below ground level at the Indicated location, 20m south of Fairbairn Sluice gates, using rotary diamond tools.

3. Provide an opportunity for Rothmell Archaeology to record the cut surfaces of the lade Wall and carefully store samples of original contract for further inspection by HES.
4. Install one new bespoke pre-cast concrete smolt bywash as per Derwent drawings attached (1350mm wide x 1000mm deep through the 500mm thick lade wall 20 metres downstream of the existing Fairbairn Sluice Gates.
5. Install a new 450mm internal diameter twinwall plastic pipe from the new smolt bypass to transport water and fish etc safely back to the River Ayr. (N.B. this work is all outwith the Scheduled Area)
6. Install a new timber floating boom (200mm x 200mm with galvanised channel keel) between the southern side of the new smolt bypass and the Fairbairn tunnel west wall. This feature was previously consented in SMC ref 201202561 in 2012, albeit in a location further upstream.

6 List of plans, drawings and other documents accompanying application (continue on sepa

No	Description	Reference
1.	Derwent Hydro Developments drawing dated 7/1/20	Catrine Smolts v1.7
2.	Derwent New Bypass drawing V 1.8 dated 20/1/20	Catrine Smolts v 1.8
3.	SM 5670 legal docs including plan of Monument	SM 5670
4.	Project Brief for a second smolt bypass	Author I Scade
5.	Written Scheme of Investigation	Author Rathmell Archaeology

7 Nature Conservation – Protected Places and Species

Will the proposed works affect any of the following:

Yes	No	
☐	☒	Site of Special Scientific Interest
☐	☒	Special Protection Areas
☐	☒	Special Areas of Conservation
☐X	☒	European Protected Species

If Yes, please give details below

Otters live in the river Ayr and there is a holt some 400 metres upstream of the proposed works. SNH have consented previous works at this location provided that a means of escape was always provided at nights and weekends to allow any animal that fell into the dry lade to escape easily.

On this occasion, it is possible that we may be able to create a very local cofferdam which would avoid de-watering the lade. This has been discussed with John Adair of SNH's Ayr Office (01292 294048), who will be kept informed of the timing of the works and provided with a method Statement mitigating any risks to local otters.

8 Other information relevant to application

There is widespread concern within the fish ecology sector that Atlantic Salmon numbers are at an all-time low and all hydroelectric operators are being urged to take all possible measures to facilitate the downstream migration of salmon smolts as well as improvements to fish passes. The 2019 smolts were observed to spend relatively long periods in the Catrine lade before using the existing bypass and this second bypass is being proposed to encourage the smolts to move downstream as

quickly as possible. SEPA are threatening to close down the Catrine hydro scheme during April and May 2020 unless this project is completed.

9 Declaration

☒ I hereby apply for scheduled monument consent for the works described in this application and shown on the accompanying plans and drawings.
☒ I confirm that the information I have given on this form is true and accurate.

Name	Ian Scade	**Date**	5th February 2020
On behalf of	Catrine Community Trust		

Where an application is being dealt with by an agent to whom correspondence should be sent, state the:-

Name of Agent		**Tel No**	
Address			
		Post Code	