

Ms Melissa Mahavar-Snow  
Natural Resources Wales  
Tŷ Cambria,  
29 Newport Road,  
Cardiff  
CF24 0TP

Our reference: PAN-010195

Your reference: PAN-010195

Date: 22/05/2020

Dear Melissa,

### **Invalid Application**

**Application number:** PAN-010195

**Applicant:** Natural Resources Wales

**Site:** Gas Works

We have received your application for a new water resources impoundment licence, however we are unable to accept it as valid. Please read the letter below which outlines what further information is required.

1. **Signature** – Applications from Natural Resources Wales require a Head of Place signature for authorisation.
  - Please could you either amend the forms to include a signature from Steve Morgan or forward on an e-mail from him providing authorisation for the application.
2. **Hydrology** – We require clarity and further information:
  - The design drawings should include a detailed scaled drawing of the low flow notch at the start of the fish passage.
  - Within the text, the width of this notch was declared to be 0.6m. (See part 1, of Section 8 of the proposal in form WRA.) The drawings indicate that this width is 0.62m. Please can you clarify this discrepancy?
  - The design criteria is set out to be Q95. Please supply the hydrological data which supports the design flow, and provide an explanation given as to its source.
  - The hydraulic calculation that was used to design the fish passage notch dimensions should also be provided for peer review.
3. **Geomorphology** – Stage 1 photo survey:

Building in-river structures and changing flow rates can affect the natural processes of erosion, movement of sediment and sediment deposition. These changes can affect the stability and operation of your scheme as well as the river environment. Careful siting and design of your scheme can reduce these effects.

- You need to provide a Stage 1 Geomorphology Photo survey with your application to show us what the river channel looks like and the reach of river it will affect. This will help us to understand how much impact on geomorphology your scheme may have.

We give more information on how to do this in our [Hydropower Guidance Note 10 Geomorphology](#).

If we have not received the information we have asked for within 28 days of the date of this letter, we cannot accept your application and we will return it to you, along with your application fee.

If you have any questions about your application, please contact me (see below for details).

Yours sincerely,

Alex Cowell  
Water Resources Permitting Officer

Email: [Alex.Cowell@cyfoethnaturiolcymru.gov.uk](mailto:Alex.Cowell@cyfoethnaturiolcymru.gov.uk)