

Phil Jones

From: Phil Jones [pmj@abertawe.co.uk]
Sent: 10 July 2015 13:13
To: Lisa Hopkinson NRW MLT <Lisa.Hopkinson@cyfoethnaturiolcymru.gov.uk>; Ida Tavner NRW <ida.tavner@naturalresourceswales.gov.uk>; Peter Gough NRW <peter.gough@cyfoethnaturiolcymru.gov.uk>; Dave Mee NRW <david.mee@naturalresourceswales.gov.uk>
Cc: Ray Lockyer PASAS <ray.lockyer@pasas.org.uk>; Lennard Powell Afan Valley AC <lennard.powell@ntlworld.com>; Andrew Kelton FL <Andrew.Kelton@fishlegal.net>; Guy Mawle AT <guy.mawle@gmail.com>; Des Williams PASAS <des.williams@pasas.org.uk>; Mark Hughes PASAS <mark.hughes@pasas.org.uk>
Subject: RE: ORDML145 Marine Licence, Tidal Lagoon Swansea Bay
All

As mentioned in our ML submission below, I attach the report by Prof Carlos Garcia de Leaniz and his team; and comments on it by Dr Guy Mawle.

We'd be grateful if you could let us know where you are with the issues raised in Carlos's report (salmonid impacts monitoring, further research needs, etc).

Regards
Phil

From: Phil Jones [mailto:pmj@abertawe.co.uk]
Sent: 28 June 2015 22:51
To: 'Hopkinson, Lisa'
Cc: Ray Lockyer PASAS <ray.lockyer@pasas.org.uk>; Lennard Powell Afan Valley AC <lennard.powell@ntlworld.com>; Andrew Kelton FL <Andrew.Kelton@fishlegal.net>; Guy Mawle AT <guy.mawle@gmail.com>; Des Williams PASAS <des.williams@pasas.org.uk>; Mark Hughes PASAS <mark.hughes@pasas.org.uk>
Subject: RE: ORDML145 Marine Licence, Tidal Lagoon Swansea Bay

Dear Lisa

1. This is our reply to:
a. your request for agreement of the minutes of our meeting on 30th April; and
b. your three consultation emails of 12th May, 22nd May and 1st June (pasted below).
I've assembled all your attachments in the attached .ZIP file for ease of reference.

Regards
Phil

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Pontardawe and Swansea Angling Society Ltd
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From: Hopkinson, Lisa [mailto:Lisa.Hopkinson@cyfoethnaturiolcymru.gov.uk]
Sent: 04 June 2015 12:23

To: pmj@abertawe.co.uk
Subject: 30th April Meeting Minutes

Phil,

Apologies about the delay regarding the production of the draft minutes for our meeting on 30th April. I would appreciate if you could please review the attached and confirm as to whether these the attached provides an accurate reflection of the meeting or, if necessary suggest changes.

Appreciate any comments you may have by 26th June.

Please let me know if you have any queries.

Kind regards,
 Lisa

Lisa Hopkinson
 Trwyddedu Morol/ Marine Licensing
 Gwasaneath Trwyddedu / Permitting Service
 Cyfoeth Naturiol Cymru / Natural Resources Wales

Ffôn / Phone : 03000 654315

E-bost/E-mail: lisa.hopkinson@cyfoethnaturiolcymru.gov.uk / lisa.hopkinson@naturalresourceswales.gov.uk

Ein diben yw sicrhau bod adnoddau naturiol Cymru yn cael eu cynnal, eu gwella a'u defnyddio yn gynaliadwy, yn awr ac yn y dyfodol.

Our purpose is to ensure that the natural resources of Wales are sustainably maintained, enhanced and used, now and in the future.

From: Hopkinson, Lisa [mailto:Lisa.Hopkinson@cyfoethnaturiolcymru.gov.uk]
Sent: 01 June 2015 16:02
To: pmj@abertawe.co.uk
Cc: ray.lockyer@pasas.org.uk; lennard.powell@ntlworld.com; Andrew.Kelton@fishlegal.net
Subject: RE: ORDMI145 Tidal Lagoon Swansea Bay Marine Licence Additional

Thanks Phil,

Happy to extend until 26th June, however I would greatly appreciate if you can submit comments any earlier than this if at all possible.

Kind regards,
 Lisa

From: Phil Jones [mailto:pmj@abertawe.co.uk]
Sent: 01 June 2015 16:00
To: Hopkinson, Lisa
Cc: ray.lockyer@pasas.org.uk; lennard.powell@ntlworld.com; Andrew.Kelton@fishlegal.net
Subject: RE: ORDMI145 Tidal Lagoon Swansea Bay Marine Licence Additional

Thanks Lisa.

I'm conscious that we haven't replied to a couple of earlier requests (busy, sorry) and would be grateful if any earlier dates mentioned could be extended to coincide with this request - 26th June.

Regards

Phil

From: Hopkinson, Lisa [mailto:Lisa.Hopkinson@cyfoethnaturiolcymru.gov.uk]
Sent: 01 June 2015 15:54
To: pmj@abertawe.co.uk
Subject: ORDMI145 Tidal Lagoon Swansea Bay Marine Licence Additional

Hi Phil,

TLSB have now submitted the attached:

1. THA Technical note - Fish Draw Zone
2. Technical Note Turbine selection-minimising impacts on fish - this has an explanation of the improvements made to the turbine and the **revised Striker and IBM results**.
3. Technical Note herring remodel background - this is information on the revised herring IBM model, which is based on more recent herring population information.
4. Revised Summary impacts on VERs_V2 without AFD mitigation - this is a revised VER note - without AFD mitigation lagoon
5. Fish Deterrent Options Technical note - review of behaviour guidance options for the Lagoon. Within this document there is the framework for installation of AFD (previously provided in the ' TLSB AEMP Turbine mortality trigger levels framework' and we have provided a similar flow diagram for implementation of herring mitigation. In terms of the latter, although it is hopefully self- explanatory, we are preparing further clarification as to the rationale behind this herring mitigation and this should be ready early next week. (Lily: I'll forward this on once received.
6. Extension to Appendix 9-3 - this is further explanation of the information used in the IBM model.

I would appreciate any comments you may wish to submit with regards to the attached by **26th June 2015**. Please give me a call if you have any queries or need any more information.

Kind regards,

Lisa
 [. . .]

From: Hopkinson, Lisa [mailto:Lisa.Hopkinson@cyfoethnaturiolcymru.gov.uk]
Sent: 22 May 2015 17:43
To: pmj@abertawe.co.uk
Subject: RE: ORDML145 Tidal Lagoon Swansea Bay Marine Licence Consultation Framework Trigger for trigger levels turbine mortality.

Phil,

TLSB have now submitted the framework for the monitoring of turbine mortality (see attached) – as far as I understand this is the document referred to in 1.0.0.4. Base on the attached information can you please provide further advice as to whether it is likely to be possible to monitor turbine mortality to feed into the trigger levels.

Please submit any advice you may have by **19th June**.

Please let me know if you need more time to comment/have any queries. Or wish to discuss anything further

Kind regards,

Lisa
 [. . .]

From: Hopkinson, Lisa [mailto:Lisa.Hopkinson@cyfoethnaturiolcymru.gov.uk]
Sent: 12 May 2015 13:23
To: pmj@abertawe.co.uk

Subject: ORDML145 Tidal Lagoon Swansea Bay Marine Licence Consultation Framework Trigger for trigger levels turbine mortality.

Phil,

As part of the determination of the Swansea Bay Tidal Lagoon Marine Licence we have required an outline of the framework for how trigger/action levels for fisheries objective of the AEMP F1 (see AEMP rev4) will be established. It is intended that the AEMP will be further agreed post licence (should a licence be issued).

Do PASAS have any comments with regards to the attached and the ability to further define triggers based upon this methodology.

As information is submitted that is of relevance to PASAS is submitted by TLSB I will continue to send the information for PASAS' comment as I deem necessary.

Please submit any comments you may have by **9th June 2015**. Please let me know if you have any queries.

For information I am also seeking the views of NRW, Cefas and the Local Authorities regarding the attached.

Kind regards,

Lisa

[. . .]

From: Gill Lock [mailto:gill.lock@tidallagoonpower.com]
Sent: 12 May 2015 10:02
To: Hopkinson, Lisa
Cc: Alex Herbert; Rebecca Smith
Subject: Trigger levels for turbine mortality framework

Dear Lisa

Further to the meeting of 25 March and our telephone conversation on Friday, please find attached the proposed framework for fish turbine mortality for your consideration. When agreed, the details will be lifted into the AEMP which is currently under revision. These trigger levels will feed into the wider, fish turbine monitoring process which will be incorporated in the AEMP.

Kind regards

Gill

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