

# Northern Lighthouse Board

**CAPTAIN PHILLIP DAY**  
**DIRECTOR OF MARINE OPERATIONS**

Your Ref: 06051 - AOWL – Scientific Instrument  
Our Ref: AJ/OPS/ML/O6\_03\_336

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Edinburgh EH2 3DA  
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Ms Jessica Drew  
Marine Renewables Casework Officer  
Marine Scotland – Marine Planning and Policy Division  
Scottish Government  
Marine Laboratory  
PO Box 101  
375 Victoria Road  
ABERDEEN  
AB11 9DB

02 August 2016

## **MARINE (SCOTLAND) ACT 2010, PART 4 MARINE LICENSING**

Dear Jessica

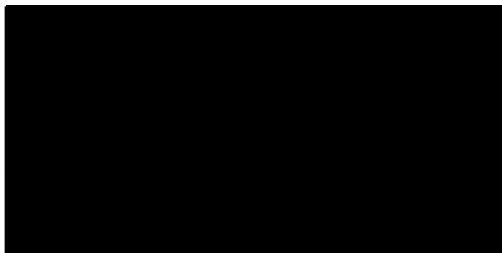
Thank you for your Email dated 18 July 2016 advising of the intention by **Aberdeen Offshore Windfarm Limited** to deploy a Floating LiDAR unit and a Waverider buoy within the area of marine works associated with the European Offshore Wind Development Centre, Aberdeen Bay.

We have previously responded directly to the operators of the development area and have enclosed a copy of the letter (Ref: O6-03-322) detailing the requirements for marking and lighting of the devices.

Having received further details of the devices and their physical dimensions we would require that the Flashing Yellow light of 5 times every 20 seconds (Fl(5) Y 20s) fitted to the FORECAST Floating LiDAR unit have an increased nominal range of at least 4 nautical miles due to the volume of marine traffic, anchorage and low visibility weather conditions regularly experienced in this area.

Transmission of an AIS AtoN message will require a radio licence to be sought from OFCOM.

Please advise if we can be of any further assistance, or require clarification any of the above.



the safety of

to: ISO 9001:2000 · The International Safety Management Code (ISM) · OHSAS



Jessica Drew  
Marine Scotland  
Scottish Government  
Marine Laboratory  
375 Victoria Road  
Aberdeen  
AB11 9DB

Your ref:

Our ref:  
SCT6735

Date:  
05/08/2016

Dear Sirs,

## **MARINE (SCOTLAND) ACT 2010 PART 4 MARINE LICENSING**

### **ABERDEEN OFFSHORE WINDFARM LIMITED, SCIENTIFIC EQUIPMENT DEPLOYMENT – LiDAR AND ASSOCIATED WAVERIDER BUOY**

With reference to your recent consultation request regarding the above development, we acknowledge receipt of the Deployment Method Statement (DMS) and supporting documents prepared by Babcock.

This information has been passed to JMP Consultants Limited for review in their capacity as Term Consultants to Transport Scotland – Trunk Road and Bus Operations (TRBO). Based on the review undertaken, we would provide the following comments.

#### **Proposed Development**

We understand that Babcock are seeking to deploy a floating LiDAR system which provides a stable platform to host wind resource and environmental data capture equipment. The system which is collectively known as FORECAST will be supplemented by a Waverider buoy which is deployed near to FORECAST location within the operating zone of the buoy.

It is noted that FORECAST is made up of three main sections, allowing it to be disassembled and transported via road. Currently, the three sections are held at Rosyth and will require to be transported to Aberdeen port for assembly and then towed out to site, subject to the requirements of the Aberdeen Offshore Wind Farm site operation requirements.

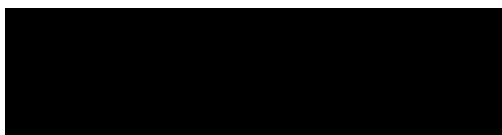
The DMS does not indicate the proposed route to be used for transporting the FORECAST sections, however, it is assumed that it would involve the A985(T), M90(T), A90(T) and then the B9077/ A945/ A956.

## **FORECAST Particulars**

The DMS does not indicate if the transportation of the FORECAST sections will constitute abnormal loads. We note however, that general details of the FORECAST structure are provided, indicating that the overall length of the structure is 23.3m with a total assembled weight of 49T. On the assumption that the 3 sections can be transported as normal loads, we do not require any further assessment of development related traffic (or associated environmental impacts) on the trunk road network.

I trust that the above is satisfactory and should you wish to discuss any issues raised in greater detail, please do not hesitate to contact Alan DeVenny at JMP's Glasgow Office on 0141 226 6923.

Yours faithfully



**John McDonald**

**Transport Scotland  
Trunk Road and Bus Operations**

cc Alan DeVenny - JMP Consultants Ltd

**Dinsdale R (Rosanne)**

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**From:** Edwin Third <edwin@riverdee.org>  
**Sent:** 08 August 2016 16:30  
**To:** Dinsdale R (Rosanne)  
**Subject:** Application for Marine License (Floating LiDAR and Waverider Buoy)

Dear Rosanne

Thank you for contacting the Don District Salmon Fishery Board with regard to the Floating LiDAR deployment 3km off the coast at Blackdog.

Having read the attached information we do not have any concerns with this Licence application and have no further comments to make.

Kind regards

Edwin Third  
River Operations Manager  
Dee & Don District Salmon Fishery Board  
Tel 013398 80411

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## Dinsdale R (Rosanne)

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**From:** Ferguson V (Val)  
**Sent:** 08 August 2016 14:03  
**To:** Dinsdale R (Rosanne)  
**Subject:** RE: ONE WEEK BEFORE REMINDER - AOWFL - Application for Marine License (Floating LiDAR and Waverider Buoy)

I have no comments on this case

*Val Ferguson*  
*Ports Policy Adviser*  
*Ports, Shipping, Freight and Canals Branch*  
*Area 2F North*  
*Victoria Quay*  
*Edinburgh*  
*EH6 6QQ*  
*0131 244 7878*  
[val.ferguson@transport.gov.scot](mailto:val.ferguson@transport.gov.scot)



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Transport Scotland, the national transport agency  
*Còmhdail Alba, buidheann nàiseanta na còmhdail*

\*Our logo may not display properly on some computer systems

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**From:** Dinsdale R (Rosanne)  
**Sent:** 08 August 2016 13:53  
**To:** 'marineenergy@snh.gov.uk'; 'Erica.Knott@snh.gov.uk'; 'nick.salter@mcga.gov.uk'; 'navigationsafety@mcga.gov.uk'; Paterson M (Mark); Ferguson V (Val); 'boardchairman@riverdon.org.uk'; 'info@riverdee.org'; 'douglas.watson@thecrownestate.co.uk'; 'info@aberdeen-harbour.co.uk'; FO Aberdeen  
**Cc:** Aires C (Catarina); Drew J (Jessica)  
**Subject:** ONE WEEK BEFORE REMINDER - AOWFL - Application for Marine License (Floating LiDAR and Waverider Buoy)

Dear Sir/Madam

**This is a reminder that the consultation detailed below will close on the 15<sup>th</sup> August 2016.**

### **MARINE (SCOTLAND) ACT 2010, PART 4 MARINE LICENSING**

06051 – Aberdeen Offshore Wind Farm Limited – Scientific equipment deployment - LiDAR and associated Waverider Buoy

CO-ORDINATES :

57°13.564' N 001°59.993' W

57°13.562' N 001°59.794' W  
57°13.454' N 001°59.797' W  
57°13.456' N 001°59.996' W

Marine Scotland Licensing Operations Team (MS-LOT) have received the above proposal under the above Act for a Marine Licence for a Floating LiDAR and Waverider buoy devices at the location of the European Offshore Wind Deployment Centre (EOWDC) from Aberdeen Offshore Windfarm Limited (AOWFL).

Please forward any comments you may have on these proposals, in an electronic format to ([MS.MarineRenewables@gov.scot](mailto:MS.MarineRenewables@gov.scot)) by 15<sup>th</sup> August 2016.

If you are unable to meet this deadline please inform us in writing as soon as possible. We will aim to grant an extension to the consultation period.

Should you have any queries please do not hesitate to contact us.

Yours faithfully

Rosanne Dinsdale

Rosanne Dinsdale  
Marine Renewables Casework Officer  
**Marine Scotland** - Marine Planning & Policy

Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen | AB11 9DB

Direct Dial: +44 (0)1224 295 331  
Fax: +44 (0)1224 295 524  
Email: [rosanne.dinsdale@gov.scot](mailto:rosanne.dinsdale@gov.scot)  
Website: <http://www.gov.scot/Topics/marine/Licensing/marine>

Frequently  
Asked  
Questions

## Dinsdale R (Rosanne)

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**From:** Catriona Gall <Catriona.Gall@snh.gov.uk>  
**Sent:** 15 August 2016 11:18  
**To:** Drew J (Jessica)  
**Cc:** Caroline Carter  
**Subject:** RE: AOWFL - Application for Marine Licence (Floating LiDAR and Waverider Buoy)

Hi Jessica,

We've checked the information about the deployment of this scientific equipment at Aberdeen offshore wind farm (the LiDAR system and the waverider buoy) and we have no major concerns.

Yours sincerely,

### **Catriona Gall**

Marine Renewables Casework Adviser - Offshore Wind

SNH  
Battleby  
Redgorton  
Perthshire  
PH1 3EW

direct dial: 01738 - 458665

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**From:** Jessica.Drew@gov.scot [mailto:Jessica.Drew@gov.scot]  
**Sent:** 18 July 2016 15:58  
**To:** MARINEENERGY; Erica Knott; nick.salter@mcga.gov.uk; navigationsafety@mcga.gov.uk; ArchieJ@nlb.org.uk; navigation@nlb.org.uk; pauline.mcgrow@ryascotland.org.uk; Mark.Paterson@transport.gov.scot; Val.Ferguson@transport.gov.scot; boardchairman@riverdon.org.uk; info@riverdee.org; douglas.watson@thecrownestate.co.uk; info@aberdeen-harbour.co.uk; FO.Aberdeen@gov.scot  
**Cc:** Catarina.Aires@gov.scot; Rosanne.Dinsdale@gov.scot  
**Subject:** AOWFL - Application for Marine License (Floating LiDAR and Waverider Buoy)

Dear Sir/Madam

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Yours faithfully

Jessica Drew  
Marine Renewables Casework Officer  
Marine Scotland – Marine Planning & Policy Division  
Scottish Government, Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB  
Tel: +44 (0)1224 295683  
S/B: +44 (0)1224 876544  
Fax: +44 (0)1224 295524  
e. [jessica.drew@gov.scot](mailto:jessica.drew@gov.scot)  
Please note new email address for team email. [MS.MarineRenewables@gov.scot](mailto:MS.MarineRenewables@gov.scot)

w: <http://www.gov.scot/marinescotland>

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Tha am post-d seo (agus faidhle neo ceanglan còmhla ris) dhan neach neo luchd-ainmichte a-mhàin. Chan eil e ceadaichte a chleachdadh ann an dòigh sam bith, a' toirt a-steach còraichean, foillseachadh neo sgaoileadh, gun chead. Ma 's e is gun d'fhuair sibh seo le gun fhiosd', bu choir cur às dhan phost-d agus lethbhreac sam bith air an t-siostam agaibh, leig fios chun neach a sgaoil am post-d gun dàil.

Dh'fhaodadh gum bi teachdaireachd sam bith bho Riaghaltas na h-Alba air a chlàradh neo air a sgrùdadh airson dearbhadh gu bheil an siostam ag obair gu h-èifeachdach neo airson adhbhar laghail eile. Dh'fhaodadh nach eil beachdan anns a' phost-d seo co-ionann ri beachdan Riaghaltas na h-Alba.

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## Dinsdale R (Rosanne)

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**From:** Pauline McGrow <Pauline.McGrow@ryascotland.org.uk>  
**Sent:** 20 July 2016 14:59  
**To:** Drew J (Jessica)  
**Subject:** RE: AOWFL - Application for Marine License (Floating LiDAR and Waverider Buoy)

Dear Jessica,

Many thanks for sending through application. I write to inform you that RYA Scotland is happy for this proposal to be consented. We know that the Northern Lighthouse Board will insist on appropriate marking and lighting.

Kind Regards

Pauline

**Pauline McGrow**  
**Senior Administrator**  
**Tel: 0131 317 4611**

**Royal Yachting Association Scotland**  
**T: 0131 317 7388**  
**E: [pauline.mcgrow@ryascotland.org.uk](mailto:pauline.mcgrow@ryascotland.org.uk)**



RYA Scotland, Caledonia House, 1 Redheughs Rigg, South Gyle, Edinburgh, EH12 9DQ  
T: 0131 317 7388, Fax: 0844 556 9549

A promotional banner for the Scottish Club Trophy. It has a dark blue background with a bright green triangle on the right side. The text reads: 'Scottish Club Trophy', '13<sup>th</sup> August 2016, Loch Tummel SC', and 'Start racing with your club for your club!'. There is a circular logo for RYA Scotland on the right side of the banner.

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**From:** Jessica.Drew@gov.scot [mailto:Jessica.Drew@gov.scot]  
**Sent:** 18 July 2016 15:58  
**To:** marineenergy@snh.gov.uk; Erica.Knott@snh.gov.uk; nick.salter@mcga.gov.uk; navigationsafety@mcga.gov.uk; ArchieJ@nlb.org.uk; navigation@nlb.org.uk; Pauline McGrow <Pauline.McGrow@ryascotland.org.uk>; Mark.Paterson@transport.gov.scot; Val.Ferguson@transport.gov.scot; boardchairman@riverdon.org.uk; info@riverdee.org; douglas.watson@thecrownestate.co.uk; info@aberdeen-harbour.co.uk; FO.Aberdeen@gov.scot  
**Cc:** Catarina.Aires@gov.scot; Rosanne.Dinsdale@gov.scot  
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*Please note new email address for team email. [MS.MarineRenewables@gov.scot](mailto:MS.MarineRenewables@gov.scot)*

w: <http://www.gov.scot/marinescotland>

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