

Wright K (Kirsty)

From: Nick Salter <Nick.Salter@mcga.gov.uk>
Sent: 08 February 2017 09:49
To: Aires C (Catarina); navigation@nlb.org.uk; navigationsafety
Cc: Queiros J (Joao)
Subject: RE: Consultation on possible exemption, Deposit of scientific instruments - Kincardine offshore windfarm

Dear Catarina,

We would be content for the waverider buoy and ADCP to fall under the exempt activity however due to the size of the lidar, and for consistency with other lidars of this size, we would suggest it falls under the licensing process. As such we would expect KOWL to apply NLB's marking and lighting requirements and issue notifications to relevant stakeholders. It would also be useful to know how they would locate the lidar in the event it breaks free.

Best regards

Nick

Nick Salter
Offshore Renewables Advisor
Navigation Safety Branch | Maritime and Coastguard Agency
Spring Place | 105 Commercial Road | Southampton | SO15 1EG
Tel: 020 3817 2433 | [REDACTED] | Email: nick.salter@mcga.gov.uk



Safer Lives, Safer Ships, Cleaner Seas

From: Catarina.Aires@gov.scot [mailto:Catarina.Aires@gov.scot]
Sent: 03 February 2017 17:38
To: navigation@nlb.org.uk; navigationsafety <navigationsafety@mcga.gov.uk>
Cc: Joao.Queiros@gov.scot
Subject: Consultation on possible exemption, Deposit of scientific instruments - Kincardine offshore windfarm

Dear Sir/Madam

Marine Scotland Licensing Operations Team (MS-LOT) have received the attached proposal for the deployment of metocean scientific instruments within the Kincardine offshore wind farm from by Kincardine Offshore Wind Limited (KOWL).

As this will entail the deposit of Scientific instrument, it could potentially be an exempt activity under Part 3, Article 17(1)(a) of The Marine Licensing (Exempted Activities) (Scottish Inshore Region) Order 2011 (as Amended) (available online, [here](#) and amended [here](#)).

In order for MS-LOT to assess whether this activity is exempt we would welcome your comments on this proposal. Should you have any comments on this proposal, I would be grateful if they could be forwarded to MS LOT in an electronic format to MS.MarineRenewables@gov.scot before the 17th February 2017.

Yours faithfully,
Catarina

Catarina Aires

Marine Renewables Casework Manager

[marinescotland](http://marinescotland.gov.scot)

Marine Scotland Licensing Operations Team

Scottish Government

Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB

Phone: +44 (0)1224 295 689 | S/B: +44 (0)1224 876 544

Catarina.Aires@gov.scot / MS.MarineRenewables@gov.scot

<http://www.gov.scot/Topics/marine/Licensing>

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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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Wright K (Kirsty)

Subject: RE: Consultation on possible exemption, Deposit of scientific instruments - Kincardine offshore windfarm

From: Peter Douglas [<mailto:PeterD@nlb.org.uk>] **On Behalf Of** navigation
Sent: 01 March 2017 12:19
To: Aires C (Catarina)
Cc: navigation
Subject: RE: Consultation on possible exemption, Deposit of scientific instruments - Kincardine offshore windfarm

Hi Catarina,

Yes,

We would require the Lidar unit to be yellow in colour, lit with navigation lights and fitted with a radar reflector.

I can put this in a letter if the buoy isn't going to be licensed.

Regards,

Peter

Peter Douglas
Navigation Manager
Northern Lighthouse Board

+44 (0)131 473 3196 (direct)


From: Catarina.Aires@gov.scot [<mailto:Catarina.Aires@gov.scot>]
Sent: 01 March 2017 11:15
To: navigation <navigation@nlb.org.uk>
Cc: Joao.Queiros@gov.scot
Subject: RE: Consultation on possible exemption, Deposit of scientific instruments - Kincardine offshore windfarm

Dear Peter,

In relation to your response to the consultation below (your reference **O6_15_393**), you state that the deployment of the Floating Lidar would constitute a potential obstruction to shipping and so it would require a marine licence.

Would the NLB have any requirements/conditions to be included in this marine licence?

Best regards,
Catarina



Scottish Natural Heritage Dualchas Nàdair na h-Alba

All of nature for all of Scotland
Nàdar air fad airson Alba air fad

Catarina Aires
Marine Scotland
Marine Laboratory
P. O. Box 101
375 Victoria Road
Aberdeen
AB11 9DB

Your ref: KOWL deposit of LiDAR buoy
marine licence

Our ref: CNS/Offshore Wind Farms/
Demonstrator sites/Kincardine Floating
offshore demonstrator site/CLC145074

Date: 10 March 2017

By email only:

Catarina.Aires@gov.scot
MS.MarineRenewables@gov.scot

Dear Catarina,

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

KOWL LTD: DEPLOYMENT OF MONITORING EQUIPMENT: WAVERIDER BUOY, ADCP AND FLOATING LiDAR, KINCARDINE FLOATING OFFSHORE WIND FARM

Thank you for your recent consultation requesting our advice on the deployment of an ADCP by KOWL Ltd in the Kincardine floating offshore wind farm site. The proposal is for the deployment of a waverider buoy and floating LiDAR device for 6 years until 1 February 2023 and 1 ADCP to be deployed for 1 year. All devices will be located within the proposed windfarm footprint, between the two rows of 4 floating turbines proposed in the current layout.

The ADCP will either be a sub mounted device with an anchor, or alternatively, a frame mounted device with a secondary clump weight. The waverider buoy will be deployed using a chain anchor on the seabed connected by a line to a surface buoy approximately 1m in diameter. The floating LiDAR device will be anchored to the seabed by a single mooring. Mooring lines for this device will be tensioned. No information is provided about the duration of time required to deploy and recover the devices, but it is noted that maintenance for the ADCP and LiDAR will be every few months, and presumably by boat.

It is assumed that drilling or seabed preparation will not be undertaken and that the ADCP frame mounted option will be located within a suitably weighted steel frame and lowered to the seabed from the work vessel. Under these circumstances, it is not expected that particularly noisy activities will be taking place, or that deployment / recovery will take place over prolonged periods.

1. Advice

Given the scale and location of the deployments, low frequency of activities associated with their deployment and the limited potential impact pathways resulting from the deployments, we consider these instruments can be deployed without significant impacts on natural heritage

Scottish Natural Heritage, Great Glen House, Leachkin Road, Inverness IV3 8NW
Tel: 01876 580236

e-mail: tracey.begg@snh.gov.uk
www.snh.org.uk



interests at that site. We offer the following recommendations to minimise impacts associated with the deployments:

- Adherence to best practice guidelines at all times, as set out in the Scottish Marine Wildlife Watching Code (SMWWC) Best Practice Guide (www.marinecode.org).
- Care should be taken not to break up rafts of birds resting on the water surface and vessel speed should be reduced in the vicinity of groups of birds to under 6 knots and a minimum approach distance of not less than 50m should be maintained.
- The licence application does not provide specific dates for deployments, so we do not know how these may correspond to sensitive periods and locations for the various natural heritage interests. We recommend that the developer identifies vessel transit routes in advance of deployment and recovery in order to meet the standards within the SMWWC.
- We recommend that operation and maintenance activities associated with the deployed devices is, where possible, tied in with other works at the wind farm site to minimise vessel traffic and transits associated with routine device maintenance.

We hope these comments are helpful. If further information or advice is required please contact me in the first instance: tracey.begg@snh.gov.uk or 01876 580236.

Yours sincerely,

Dr Tracey Begg

Marine Renewable Energy Casework Adviser (MRECA)