

Attn: Robin Snaith  
Marine Licensing Case Officer  
Her Majesty's Government - Marine Management Organisation  
Lancaster House,  
Hampshire Court,  
Newcastle upon Tyne,  
NE4 7YH

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## Burbo Bank Extension DCO Condition 15 variation request

24 February 2015

Dear Robin,

Our ref. JBRAC/JBRAC  
Doc. no. 2126175  
(ver. no. 2126175A)  
Case no. 200-10-0877

Following my email correspondence dated 03 February 2015 confirming the Projects intention to request a variation to the Deemed Marine Licence within Schedule 2 and 3 of The Burbo Bank Extension Offshore Wind Farm Order 2014 in relation to noise monitoring during construction of the Offshore Wind Farm, I write to confirm and provide the specifics of that request.

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Under Schedule 2, we request a variation from the existing wording provided below to the alternative wording provided in [blue](#).

Schedule 2, Part 2, Condition 15 states

- 1. Unless otherwise agreed, the undertaker must, in discharging condition 10(b), submit details for approval by the MMO in consultation with Natural England of any proposed surveys or monitoring, including methodologies and timings, to be carried out during the construction of the authorised scheme. The survey proposals must specify each survey's objectives. In any event, such monitoring shall, where driven or part-driven pile foundations are proposed to be used, include monitored background noise measurements (during periods when piling is not being undertaken) and **measurements of noise generated by the installation of all piled foundations.***
- 2. The undertaker must carry out the surveys approved under sub-paragraph (1) and provide the agreed reports in the agreed format in accordance with the agreed timetable, unless otherwise agreed in writing with the MMO in consultation with Natural England.*
- 3. The results of the initial noise measurements shall be provided to the MMO within four weeks of the installation of the last of the four piles, unless otherwise agreed with the MMO. The assessment of this report by the MMO shall determine whether any further noise monitoring is required.*

The project respectfully requests a variation to this condition, so that it may read

- 1. Unless otherwise agreed, the undertaker must, in discharging condition 10(b), submit details for approval by the MMO in consultation with Natural England of any proposed surveys or monitoring, including methodologies and timings, to be carried out during the construction of the authorised scheme. The survey proposals must specify each survey's objectives. In any event, such monitoring shall, where driven or part-driven pile*

*foundations are proposed to be used, include monitored background noise measurements (during periods when piling is not being undertaken) **and must include details for measurements of noise generated at a minimum of four piling locations.***

- 2. The undertaker must carry out the surveys approved under sub-paragraph (1) and provide the agreed reports in the agreed format in accordance with the agreed timetable, unless otherwise agreed in writing with the MMO in consultation with Natural England.*
- 3. The results of the initial noise measurements shall be provided to the MMO within four weeks of the installation of the last of the four piles, unless otherwise agreed with the MMO. The assessment of this report by the MMO shall determine whether any further noise monitoring is required.*

The current wording within Schedule 2 appears to be an oversight from the DCO drafting process and finalisation during examination, and the Project is seeking to bring this in line with similar monitoring conditions on other piling activities for offshore wind farms in UK waters.

Under Schedule 3, the project respectfully requests that this wording be removed all together as we understand that its inclusion within Schedule 3 was related to a time when the Project was considering to use a single 8 m monopile in the construction of the offshore sub-station. Since this time and the drafting of the wording within the DCO, the Project has confirmed its intention to use a single jacket foundations which will be supported by eight pin piles (each being up to 3 m in diameter), therefore we believe the requirement for monitoring of pile driving for the OSS is no longer required and that the monitoring of a limited number of the larger 8 m monopiles under Schedule 2 should be sufficient.

In addition within the Burbo Bank Extension Environmental Statement assessed noise impacts for both 8 m and 3 m piles. Noise modelling demonstrates the reduced impact of the smaller 3 m pin piles relative to the 8 m mono piles ES Chapter 5.1.2.11 Offshore Noise and Annex 5.1.5.11 Offshore Noise.

Assuming the MMO and its advisors are comfortable with the above modifications could I ask you to confirm this in writing. Alternatively if you would like to discuss this matter further please let me know

Yours sincerely  
DONG Energy

Jennifer Brack  
Burbo Bank Extension  
Lead Environmental Manager

cc. Richard Green Marine Management Organisation