

Rampion Offshore Wind Farm

Schedule of Variation Requests – Deemed Marine Licence (Array)

Rampion Offshore Wind Limited¹ (the **Applicant**) was granted development consent by the Secretary of State for the Rampion Offshore Wind Farm project on 16 July 2014. The Rampion Offshore Wind Farm Order (**DCO**) came into force on 6 August 2014. Article 11 of the DCO deems the grant of two marine licenses included in Schedule 13 (**Array DML**) and Schedule 14 (**Export Cable DML**).

The offshore substations are presently covered by the Array DML but will form part of the assets (which include the assets subject to the Export Cable DML) which will transfer to the appointed Offshore Transmission Operator (**OFTO**). To facilitate the future transfer of assets to the OFTO, the Applicant proposes to apply to the Marine Management Organisation to simultaneously vary both the Array DML and the Export Cable DML. The overall effect will be an administrative change so that the offshore substations are subject to the Export DML instead of the Array DML. This is desirable as it means all of the assets ultimately held by the OFTO can be regulated under one DML (the Export Cable DML).

This Schedule comprises a list of **proposed changes to the Array DML** requested by the Applicant. In broad terms, the changes would remove reference to the offshore substation from the Array DML. The Applicant has set out an explanation on the need for each amendment. A similar schedule of proposed changes has been prepared in respect of the Export Cable DML and should be read alongside the changes listed below.

DML provision	Current wording	Requested change	Reasoning for change
Part 1 – 1.(1) Interpretation	<i>“array” means Work Nos. 1 and 2, as set out in paragraph 2(2) of this licence;</i>	<i>“array” means Work No.s 1 and 2, as set out in paragraph 2(2) of this licence;</i>	<p>Deletion is necessary for the removal of the offshore substation(s) (Work No.2) from the scope of the Array DML.</p> <p>The defined term "array" appears in only paragraphs 11(3)(a)(iv) (<i>design plan</i>) and 22(1) (<i>monitoring of shoreline sediment morphology</i>) in Part 2 of the DML. Equivalent provision is made in the Export Cables DML.</p>
Part 1 – 1.(1) Interpretation	<i>“authorised scheme” means Work Nos. 1 and 2 described in paragraph 2 of this licence or any part of that work;</i>	<i>“authorised scheme” means Work Nos. 1 and 2 described in paragraph 2 of this licence or any part of that work;</i>	<p>As above, deletion is necessary for the removal of the offshore substation(s) (Work No.2) from the scope of the Array DML.</p>

¹ The company name was previously E.ON Climate & Renewables UK Rampion Offshore Wind Farm Limited and changed to Rampion Offshore Wind Limited in August 2015.

DML provision	Current wording	Requested change	Reasoning for change																																																
Part 1 – 1.(1) Interpretation	<p><i>“offshore substation” means an offshore platform constructed of steel or concrete or steel and concrete with single or multiple decks housing major electrical equipment including high voltage transformers, switchgear, control rooms, cabling and busbars, lightning protection masts, communications masts, cable management, back-up generators, fuel storage, emergency accommodation, workshops and stores, helihoist facilities, cranes and other associated electrical and ancillary equipment;</i></p>	<p>Remove this definition completely. (This will require consequential amendments throughout the DML where reference is made to "offshore substation" as noted below.)</p>	<p>As above, deletion is necessary for the removal of the offshore substation(s) (Work No.2) from the scope of the Array DML.</p>																																																
Part 1 – 2.(1)(d) Details of licensed marine activities	<p><i>(d) the dredging of the seabed and the disposal of 167,995m³ of inert material of natural origin, to include no more than 50,400m³ of chalk, produced during the drilling installation of or seabed preparation for foundations for Work No. 1 and Work No. 2 at disposal site reference W1117 Rampion OWF, whose coordinates are specified below—</i></p> <table border="1" data-bbox="483 1038 999 1329"> <thead> <tr> <th>Point</th> <th>Latitude (DMS)</th> <th>Longitude (DMS)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>50° 41' 11.35 N</td> <td>000° 21' 55.86 W</td> </tr> <tr> <td>2</td> <td>50° 42' 24.83 N</td> <td>000° 13' 45.70 W</td> </tr> <tr> <td>5</td> <td>50° 38' 34.92 N</td> <td>000° 09' 02.89 W</td> </tr> <tr> <td>6</td> <td>50° 37' 08.17 N</td> <td>000° 15' 42.14 W</td> </tr> <tr> <td>7</td> <td>50° 38' 13.35 N</td> <td>000° 16' 17.09 W</td> </tr> <tr> <td>8</td> <td>50° 37' 03.36 N</td> <td>000° 20' 36.10 W</td> </tr> <tr> <td>19</td> <td>50° 40' 55.07 N</td> <td>000° 05' 50.01 W</td> </tr> </tbody> </table>	Point	Latitude (DMS)	Longitude (DMS)	1	50° 41' 11.35 N	000° 21' 55.86 W	2	50° 42' 24.83 N	000° 13' 45.70 W	5	50° 38' 34.92 N	000° 09' 02.89 W	6	50° 37' 08.17 N	000° 15' 42.14 W	7	50° 38' 13.35 N	000° 16' 17.09 W	8	50° 37' 03.36 N	000° 20' 36.10 W	19	50° 40' 55.07 N	000° 05' 50.01 W	<p><i>d) the dredging of the seabed and the disposal of 167,995m³ 165,995m³ of inert material of natural origin, to include no more than 50,400m³ of chalk, produced during the drilling installation of or seabed preparation for foundations for Work No. 1 and Work No. 2 at disposal site reference W1117 Rampion OWF, whose coordinates are specified below—</i></p> <table border="1" data-bbox="1025 1038 1541 1329"> <thead> <tr> <th>Point</th> <th>Latitude (DMS)</th> <th>Longitude (DMS)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>50° 41' 11.35 N</td> <td>000° 21' 55.86 W</td> </tr> <tr> <td>2</td> <td>50° 42' 24.83 N</td> <td>000° 13' 45.70 W</td> </tr> <tr> <td>5</td> <td>50° 38' 34.92 N</td> <td>000° 09' 02.89 W</td> </tr> <tr> <td>6</td> <td>50° 37' 08.17 N</td> <td>000° 15' 42.14 W</td> </tr> <tr> <td>7</td> <td>50° 38' 13.35 N</td> <td>000° 16' 17.09 W</td> </tr> <tr> <td>8</td> <td>50° 37' 03.36 N</td> <td>000° 20' 36.10 W</td> </tr> <tr> <td>19</td> <td>50° 40' 55.07 N</td> <td>000° 05' 50.01 W</td> </tr> </tbody> </table>	Point	Latitude (DMS)	Longitude (DMS)	1	50° 41' 11.35 N	000° 21' 55.86 W	2	50° 42' 24.83 N	000° 13' 45.70 W	5	50° 38' 34.92 N	000° 09' 02.89 W	6	50° 37' 08.17 N	000° 15' 42.14 W	7	50° 38' 13.35 N	000° 16' 17.09 W	8	50° 37' 03.36 N	000° 20' 36.10 W	19	50° 40' 55.07 N	000° 05' 50.01 W	<p>This amendment is necessary to apportion the material that may be disposed between the Array DML and the Export Cable DML. When varied and read together the overall total quantity of material that may be deposited under the DML's and the location where it may be deposited remain unchanged.</p>
Point	Latitude (DMS)	Longitude (DMS)																																																	
1	50° 41' 11.35 N	000° 21' 55.86 W																																																	
2	50° 42' 24.83 N	000° 13' 45.70 W																																																	
5	50° 38' 34.92 N	000° 09' 02.89 W																																																	
6	50° 37' 08.17 N	000° 15' 42.14 W																																																	
7	50° 38' 13.35 N	000° 16' 17.09 W																																																	
8	50° 37' 03.36 N	000° 20' 36.10 W																																																	
19	50° 40' 55.07 N	000° 05' 50.01 W																																																	
Point	Latitude (DMS)	Longitude (DMS)																																																	
1	50° 41' 11.35 N	000° 21' 55.86 W																																																	
2	50° 42' 24.83 N	000° 13' 45.70 W																																																	
5	50° 38' 34.92 N	000° 09' 02.89 W																																																	
6	50° 37' 08.17 N	000° 15' 42.14 W																																																	
7	50° 38' 13.35 N	000° 16' 17.09 W																																																	
8	50° 37' 03.36 N	000° 20' 36.10 W																																																	
19	50° 40' 55.07 N	000° 05' 50.01 W																																																	
Part 1- 2.(2) Details of	<p><i>And associated development within the meaning of section 115(2) of the 2008 Act comprising-</i></p>	<p><i>And associated development within the meaning of section 115(2) of the 2008 Act Work No. 2</i></p>	<p>Removal of reference to Work No 2 – which the applicant wishes to remove</p>																																																

DML provision	Current wording	Requested change	Reasoning for change
licenced activities	<p>Work No. 2 – Up to two substations fixed to the seabed by one of three foundation types (namely monopile foundation, gravity base foundation or jacket foundation) and situated within the area hatched red on the works plan;</p> <p>and in connection with such Work Nos. 1 and 2 and to the extent that they do not otherwise form part of any such work, further associated development comprising such other works as may be necessary or expedient for the purposes of or in connection with the relevant part of the authorised project and which fall within the scope of the work assessed by the environmental statement and the provisions of this licence;</p> <p>and in connection with such Work Nos 1 and 2, works comprising</p>	<p>Up to two substations fixed to the seabed by one of three foundation types (namely monopile foundation, gravity base foundation or jacket foundation) and situated within the area hatched red on the works plan;</p> <p>and in connection with such Work Nos. 1 and 2 and to the extent that they do not otherwise form part of any such work, further associated development comprising such other works as may be necessary or expedient for the purposes of or in connection with the relevant part of the authorised project and which fall within the scope of the work assessed by the environmental statement and the provisions of this licence;</p> <p>and in connection with such Work Nos 1 and 2, works comprising</p>	from this DML.
Part 2			
Part 2 – 1.(3) Design parameters	<p>(3) The layout of all wind turbine generators and offshore substations within the Order limits shall comprise an overall contiguous arrangement of offshore structures, and within such overall contiguous arrangement there shall be no more than three contiguous groupings each comprising wind turbine generators of a similar size, and each such grouping shall be laid out in a regular pattern such that along each row axis within the grouping there is an approximately equal distance between wind turbine generators.</p>	<p>3) The layout of all wind turbine generators and offshore substations within the Order limits shall comprise an overall contiguous arrangement of offshore structures, and within such overall contiguous arrangement there shall be no more than three contiguous groupings each comprising wind turbine generators of a similar size, and each such grouping shall be laid out in a regular pattern such that along each row axis within the grouping there is an approximately equal distance between wind turbine generators.</p>	Deletion is necessary for the removal of the offshore substation(s) (Work No.2) from the scope of the Array DML.
Part 2 - 1.(5) Design parameters	<p>(5) No wind turbine generator or offshore substation forming part of the authorised scheme shall be erected within the area</p>	<p>(5) No wind turbine generator or offshore substation forming part of the authorised scheme shall be erected within the area</p>	Deletion is necessary for the removal of the offshore substation(s) (Work No.2) from the scope of the Array DML.

DML provision	Current wording	Requested change	Reasoning for change
	<p><i>hatched black on the works plan (the "exclusion zone for wind turbine generators and offshore substations"), whose coordinates are specified below-</i></p>	<p><i>hatched black on the works plan (the "exclusion zone for wind turbine generators and offshore substations"), whose coordinates are specified below-</i></p>	<p>Note similar provision is proposed to be transposed into the new paragraph 1(5) of Part 2 of Export Cables DML and applied to the offshore substation(s) to ensure the restriction continues to apply to the offshore substations.</p>
<p>Part 2 - 2. Design parameters</p>	<p><i>2.—(1) The total number of offshore substations forming part of the authorised scheme shall not exceed two.</i></p> <p><i>(2) The dimensions of any offshore substation forming part of the authorised scheme (excluding masts) shall not exceed 45 metres in height when measured from LAT, 45 metres in length and 45 metres in width.</i></p> <p><i>(3) Each offshore substation shall have no more than one supporting foundation.</i></p>	<p>Remove this paragraph completely</p>	<p>Paragraph 2 is deleted in its entirety from the Array DML as it only applies to offshore substations and deletion is necessary for the removal of the offshore substation(s) (Work No.2) from the scope of the Array DML.</p> <p>Note this provision is proposed to be transposed to a new paragraph 1A of Part 2 of the Export Cables DML and applied to the offshore substation(s) thus ensuring the equivalent protection.</p>
<p>Part 2 - 4.(7), (8), (11) & (13) Design parameters</p>	<p><i>(7) No more than 156 monopile foundations shall be installed as part of the authorised scheme.</i></p> <p><i>(8) No more than 124 jacket foundations shall be installed as part of the authorised scheme</i></p> <p><i>(11) No more than 80 gravity base foundations shall be installed as part of the authorised scheme.</i></p> <p><i>(13) The total amount of scour protection for the WTG and offshore substations forming part of the authorised scheme shall not exceed 831,400 m³.</i></p>	<p><i>(7) No more than 156 154 monopile foundations shall be installed as part of the authorised scheme.</i></p> <p><i>(8) No more than 124 122 jacket foundations shall be installed as part of the authorised scheme.</i></p> <p><i>(11) No more than 80 78 gravity base foundations shall be installed as part of the authorised scheme.</i></p> <p><i>(13) The total amount of scour protection for the WTG and offshore substations forming part of the authorised scheme shall not exceed 831,400m³.</i></p>	<p>It is proposed to have similar provision in the Export Cables DML. The reductions to the total quantities here are made in order to apportion the limits as between the array and offshore substations such that the aggregate total quantities of the works controlled by these conditions will remain the same.</p>

DML provision	Current wording	Requested change	Reasoning for change
Part 2 - 5.(8) Notifications and inspections	<i>(8) The undertaker shall ensure that a notice to mariners is issued at least 10 working days prior to the commencement of the licensed activities or any part of them advising of the start date of Work Nos. 1 and 2 and the expected vessel routes from the local construction ports to the relevant location.</i>	<i>(8) The undertaker shall ensure that a notice to mariners is issued at least 10 working days prior to the commencement of the licensed activities or any part of them advising of the start date of Work Nos. 1 and 2 and the expected vessel routes from the local construction ports to the relevant location.</i>	Deletion is necessary for the removal of the offshore substation(s) (Work No.2) from the scope of the Array DML.
Part 2 -11.(3)(b)(iii) Pre-construction plans and documentation	<i>The height, length and width of all offshore substations;</i>	Remove sub-clause completely	Deletion is necessary for the removal of the offshore substation(s) (Work No.2) from the scope of the Array DML.