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STATUTORY INSTRUMENTS

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**2015 No. 318**

**INFRASTRUCTURE PLANNING**

**The Dogger Bank Creyke Beck  
Offshore Wind Farm Order 2015**

*Made* - - - - - *17th February 2015*

*Coming into force* - - - - - *11th March 2015*

An application under section 37 of the Planning Act 2008(1) (the “2008 Act”) has been made to the Secretary of State for an order granting development consent.

The application has been examined by a Panel, which has made a report to the Secretary of State under section 74(2) of the 2008 Act.

The Secretary of State has considered the report and recommendation of the Panel, has taken into account the environmental information in accordance with regulation 3 of the Infrastructure Planning (Environmental Impact Assessment) Regulations 2009(2) and has had regard to the documents and matters referred to in section 104(2) of the 2008 Act.

The Secretary of State is satisfied that the special category land (as defined in article 34 of the Order), when burdened with the order rights (as defined in that article), will be no less advantageous that it was before to the persons in whom it is vested; other persons, if any, entitled to rights of common or other rights; and the public and that, accordingly, section 132(3) of the 2008 Act applies.

The Secretary of State, having decided the application, has determined to make an order giving effect to the proposals comprised in the application with modifications that in the opinion of the Secretary of State do not make any substantial change to the proposals.

Accordingly, the Secretary of State, in exercise of the powers in sections 114 and 120 of the 2008 Act, makes the following Order:

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(1) [2008 c.29](#). Section 37 was amended by section 137(5) of, and paragraph 5 of Schedule 13 to, the Localism Act 2011 ([c.20](#)). Section 74(2) was amended by paragraph 29(2) of that Schedule. Section 104(2) was amended by paragraph 49 of that Schedule and section 58 of the Marine and Coastal Access Act 2009 ([c.23](#)). Section 114 was amended by paragraph 55 of Schedule 13 to the Localism Act 2011. Section 120 was amended by section 140 of, and paragraph 60 of Schedule 13 to, that Act. Section 132 was amended by section 24(3) of the Growth and Infrastructure Act 2013 ([c.27](#)).

(2) [S.I. 2009/2263](#); relevant amending instruments are [S.I. 2012/635](#) and [2012/787](#).

## PART 1

### Preliminary

#### Citation and commencement

1. This Order may be cited as the Dogger Bank Creyke Beck Offshore Wind Farm Order 2015 and comes into force on 11th March 2015.

#### Interpretation

2.—(1) In this Order—

“1961 Act” means the Land Compensation Act 1961(3);

“1965 Act” means the Compulsory Purchase Act 1965(4);

“1980 Act” means the Highways Act 1980(5);

“1990 Act” means the Town and Country Planning Act 1990(6);

“1991 Act” means the New Roads and Street Works Act 1991(7);

“2004 Act” means the Energy Act 2004(8);

“2008 Act” means the Planning Act 2008;

“2009 Act” means the Marine and Coastal Access Act 2009(9);

“access to works plan” means the plan certified as the access to works plan by the Secretary of State for the purposes of this Order;

“ancillary works” means the ancillary works described in Part 2 (ancillary works) of Schedule 1 (authorised project) and any other works authorised by the Order that are not development within the meaning of section 32 of the 2008 Act;

“array area” means the area within which Work No. 1A or 1B may be constructed, which are the areas enclosed within a straight line drawn between points whose co-ordinates are set out in Tables 1A and 1B in Part 1 (authorised development) of Schedule 1 and which are shown on the offshore works plans;

“authorised development” means the development and associated development described in Part 1 of Schedule 1 and any other development authorised by this Order that is development within the meaning of section 32 of the 2008 Act;

“authorised project” means the authorised development and the ancillary works;

“Bizco 1” means Doggerbank Project 1 Bizco Limited (company number 7791991)(10);

“Bizco 4” means Doggerbank Project 4 Bizco Limited (company number 7914510)(11);

“book of reference” means the book of reference certified by the Secretary of State as the book of reference for the purposes of this Order;

“building” includes any structure or erection or any part of a building, structure or erection;

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(3) 1961 c.33.

(4) 1965 c.56.

(5) 1980 c.66.

(6) 1990 c.8.

(7) 1991 c.22.

(8) 2004 c.20.

(9) 2009 c.23.

(10) The registered office of Doggerbank Project 1 Bizco Limited is 55 Vastern Road, Reading, Berkshire RG1 8BU.

(11) The registered office of Doggerbank Project 4 Bizco Limited is 55 Vastern Road, Reading, Berkshire RG1 8BU.

“cable” includes, in respect of any onshore cable, direct lay cables and cables laid in cable ducts; and in respect of any onshore or offshore cable, includes fibre-optic cables;

“cable crossings” means the crossing of existing subsea cables and pipelines by the inter-array, interconnecting or export cables authorised by this Order together with physical protection measures including cable protection;

“cable protection” means measures to protect cables from physical damage and exposure due to loss of seabed sediment, including, but not limited to, the use of bagged solutions filled with grout or other materials, protective aprons or coverings, mattresses, flow energy dissipation devices or rock and gravel burial;

“carriageway” has the same meaning as in the 1980 Act<sup>(12)</sup>;

“combined platform” means a single offshore platform constructed in an array area comprising 2 or more of the following—

- (a) an offshore collector platform;
- (b) an offshore converter platform;
- (c) an offshore accommodation or helicopter platform;

“commence” means—

- (a) in relation to any marine activities licensed by Marine Licences 1 to 4, begin to carry out any of those activities, except for pre-construction surveys and monitoring in respect of the authorised development;
- (b) in any other case, begin to carry out any material operation (as defined in section 155 of the 2008 Act) in respect of the authorised development or forming part of the authorised project, except for operations consisting of site clearance, demolition work, archaeological investigations, investigations for the purpose of assessing ground conditions, remedial work in respect of any contamination or other adverse ground conditions, the diversion and laying of services, the erection of any temporary means of enclosure or the temporary display of site notices or advertisements;

and “commencement” and “commenced” must be construed accordingly;

“commercial operation” means—

- (a) in relation to Project A, the exporting, on a commercial basis, of electricity from the wind turbine generators comprised within Project A;
- (b) in relation to Project B, the exporting, on a commercial basis, of electricity from the wind turbine generators comprised within Project B;
- (c) in relation to any other part of the authorised project, the exporting, transmission or conversion, on a commercial basis, of electricity;

“compulsory acquisition notice” means a notice served in accordance with section 134 of the 2008 Act<sup>(13)</sup>;

“construction compound” means a secure temporary construction area associated with the onshore works, including temporary fencing, lighting and ground preparation, to be used for the location of site offices; general storage; storage of plant, cable drums, ducting and other construction materials; welfare facilities; car parking; waste management; lay-down areas; banded generators and fuel storage or any other means of enclosure and areas for other facilities required for construction purposes;

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<sup>(12)</sup> “Carriageway” is defined in section 329.

<sup>(13)</sup> Section 134 was amended by section 142 of, and Part 21 of Schedule 25 to, the Localism Act 2011.

“Dogger Bank Zone” means the Dogger Bank Offshore Wind Farm Zone located in the North Sea between 125 and 290 kilometres off the coast of the East Riding of Yorkshire and extending over an area of approximately 8,660 square kilometres;

“draft fisheries liaison plan” means the document certified as the draft fisheries liaison plan by the Secretary of State for the purposes of this Order;

“draft landscaping scheme” means the document certified as the draft landscaping scheme by the Secretary of State for the purposes of this Order;

“electrical converter substation and compound” means an electrical converter housed within 1 or more converter halls and a compound containing electrical equipment including power transformers, switchgear, reactive compensation equipment, harmonic filters, cables, lightning protection systems including masts, control buildings, communications masts, back-up generators, access, fencing and other associated equipment, structures or buildings;

“environmental statement” means the document certified as the environmental statement by the Secretary of State for the purposes of this Order and submitted with the application together with any supplementary or further environmental information submitted in support of the application;

“gravity base foundation” means a foundation type that rests on the seabed and supports the wind turbine generator, meteorological station or offshore platform primarily due to its own weight and that of added ballast, with or without skirts or other additional fixings, which may include associated equipment including J-tubes and access platforms and separate topside connection structures or an integrated transition piece. (Sub-types for wind turbine generators and meteorological stations include conical gravity base and flat-based gravity base foundations. Sub-types for platforms include offshore platform conical or flat-base gravity base foundations and offshore platform semi-submersible gravity base foundations);

“highway” and “highway authority” have the same meaning as in the 1980 Act<sup>(14)</sup>;

“horizontal directional drilling” is a steerable trenchless method of installing underground pipes, ducts and cables in a shallow arc along a prescribed underground bore path by using a surface-launched drill;

“HVAC” means high voltage alternating current;

“HVDC” means high voltage direct current;

“In Principle Monitoring Plan” means the document certified as the In Principle Monitoring Plan by the Secretary of State for the purposes of this Order;

“land plan” means the plan certified as the land plan by the Secretary of State for the purposes of this Order;

“limits of deviation” means the limits of deviation shown on the onshore works plans within which the onshore works may be constructed as part of the authorised development;

“maintain” includes upkeep, inspect, repair, adjust, alter, relay and remove, to the extent assessed in the environmental statement; and any derivative of maintain must be construed accordingly;

“Marine Licence 1” means the marine licence in Schedule 8 (Marine Licence 1: Project A Offshore (Generation – Works No. 1A and 2T));

“Marine Licence 2” means the marine licence in Schedule 9 (Marine Licence 2: Project B Offshore (Generation – Works No. 1B and 2T));

“Marine Licence 3” means the marine licence in Schedule 10 (Marine Licence 3: Project A Offshore (Transmission – Works No. 2A, 3A and 2T));

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(14) “Highway” is defined in section 328. See section 1 for “highway authority”.

“Marine Licence 4” means the marine licence in Schedule 11 (Marine Licence 4: Project B Offshore (Transmission – Works No. 2B, 2BA or 2BC, 3B and 2T));

“MCA” means the Maritime and Coastguard Agency;

“meteorological mast” or “meteorological station” means a fixed or floating structure housing or incorporating equipment to measure wind speed and other meteorological and oceanographic characteristics, including a topside which may house electrical switchgear and communication equipment and associated equipment, and marking and lighting;

“MHWS” (mean high water springs) means the highest level which spring tides reach on average over a period of time;

“MLWS” (mean low water springs) means the average of the low water heights occurring at the time of spring tides (which is also the outermost extent of the relevant planning authority jurisdiction);

“MMO” means the Marine Management Organisation;

“monopole foundation” means foundation options based around a single vertical pillar structure driven, drilled, or embedded into the seabed by means such as suction or gravity. This main support structure may change in diameter via tapers and abrupt steps. (Sub-types for wind turbine generators and meteorological stations include monopole with steel monopile footing, monopole with concrete monopile footing and monopole with a single suction-installed bucket footing);

“multi-leg foundation” means foundation options based around structures with several legs or footings. This includes jackets, tripods, and other structures which include multiple large tubulars, cross-bracing, or lattices. Multi-leg foundations may be fixed to the seabed by footings which are driven, drilled, screwed, jacked-up or embedded into the seabed by means such as suction or gravity. (Sub-types for wind turbine generators and meteorological stations include multi-legs with driven piles, drilled piles, screw piles, suction buckets and jack-up foundations. Sub-types for platforms include offshore platform jacket foundations (potentially using driven piles, suction buckets or screw piles) and offshore platform jack-up foundations);

“National Grid substation” means the existing National Grid Electricity Transmission plc substation located at Creyke Beck;

“offshore accommodation or helicopter platform” means a platform (either singly or as part of a combined platform) housing or incorporating some or all of the following: accommodation for staff during the construction, operation and decommissioning of the offshore works, landing facilities for vessels and helicopters, re-fuelling facilities, communication and control systems, electrical systems such as metering and control systems, J-tubes, small- and large-scale electrical power systems, auxiliary and uninterruptible power supplies, large-scale energy storage systems, standby electricity generation equipment, cranes, storage for waste and consumables including fuel, marking and lighting and other associated equipment and facilities;

“offshore collector platform” means a platform (either singly or as part of a combined platform) housing or incorporating electrical switchgear or electrical transformers, electrical systems such as metering and control systems, J-tubes, landing facilities for vessels and helicopters, re-fuelling facilities, accommodation for staff during the construction, operation and decommissioning of the offshore works, communication and control systems, auxiliary and uninterruptible power supplies, large-scale energy storage systems, standby electricity generation equipment, cranes, storage for waste and consumables including fuel, marking and lighting and other associated equipment and facilities;

“offshore converter platform” means a platform (either singly or as part of a combined platform) housing or incorporating HVDC electrical switchgear or electrical transformers and other equipment to enable HVDC transmission to be used to convey the power output of the

multiple wind turbine generators to shore including electrical systems such as metering and control systems, J-tubes, landing facilities for vessels and helicopters, re-fuelling facilities, accommodation for staff during the construction, operation and decommissioning of the offshore works, communication and control systems, auxiliary and uninterruptible power supplies, large-scale energy storage systems, standby electricity generation equipment, cranes, storage for waste and consumables including fuel, marking and lighting and other associated equipment and facilities;

“offshore Order limits plan” means the plans certified as the offshore Order limits and grid coordinates plan by the Secretary of State for the purposes of this Order;

“offshore platform” means any of the following—

- (a) an offshore accommodation or helicopter platform;
- (b) an offshore collector platform;
- (c) an offshore converter platform;
- (d) a combined platform;

“offshore works” means the Project A offshore works, the Project B offshore works and any other authorised development associated with those works;

“offshore works plans” means the plans certified as the works plans by the Secretary of State for the purposes of this Order;

“onshore Order limits plan” means the plans certified as the onshore Order limits and grid coordinates plan by the Secretary of State for the purposes of this Order;

“onshore works” means the Project A onshore works, the Project B onshore works, the shared works and any other authorised development associated with those works;

“onshore works plans” means the plans certified as the onshore works plans by the Secretary of State for the purposes of this Order;

“Order land” means the land shown on the land plan that is within the limits of land to be acquired and described in the book of reference;

“Order limits” means—

- (a) the limits shown on the offshore Order limits plan within which the offshore works may be constructed as part of the authorised project; and
- (b) the limits of deviation;

“outline code of construction practice” means the document certified as the outline code of construction practice by the Secretary of State for the purposes of this Order;

“owner”, in relation to land, has the same meaning as in section 7 of the Acquisition of Land Act 1981(15);

“Project A” means the Project A offshore works and the Project A onshore works;

“Project A offshore works” means Works No. 1A, 2A, 2T and 3A and any other authorised development associated with those works;

“Project A onshore works” means Works No. 4A, 5A, 6A, 8A and 9A and any other authorised development associated with those works;

“Project B” means the Project B offshore works and the Project B onshore works;

“Project B offshore works” means Works No. 1B, 2B, 2BA, 2BC, 2T and 3B and any other authorised development associated with those works;

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(15) 1981 c.67. The definition was amended by paragraph 9 of Schedule 15 to, the Planning and Compensation Act 1991 (c.34).

“Project B onshore works” means Works No. 4B, 5B, 6B, 8B and 9B and any other authorised development associated with those works;

“relevant planning authority” means East Riding of Yorkshire Council;

“Requirement” means a Requirement set out in Part 3 (requirements) of Schedule 1; and a reference to a numbered Requirement is a reference to the Requirement set out in the paragraph of the same number in that Part;

“scour protection” means protection against foundation scour and subsea damage, for example from trawling, through reinforcement measures and measures to prevent loss of seabed sediment around foundation bases. These measures include the use of bagged solutions filled with grout or other materials, protective aprons, mattresses, flow energy dissipation devices and rock and gravel burial;

“shared works” means Works No. 7 and 10A to 10F;

“statutory undertaker” means a person falling within section 127(8) of the 2008 Act;

“street” means a street within the meaning of section 48 of the 1991 Act<sup>(16)</sup>, together with land on the verge of a street or between 2 carriageways, and includes part of a street;

“street authority”, in relation to a street, has the same meaning as in Part 3 of the 1991 Act<sup>(17)</sup>;

“streets and public rights of way plan” means the plan certified as the streets and public rights of way plan by the Secretary of State for the purposes of this Order;

“Tribunal” means the Lands Chamber of the Upper Tribunal;

“Trinity House” means the Corporation of Trinity House of Deptford Strond;

“undertaker” means, subject to article 8(2) (consent to transfer benefit of Order)—

- (a) in relation to the Project A offshore works, the Project A onshore works, any other authorised development associated with those works and related ancillary works, Bizco 1;
- (b) in relation to the Project B offshore works, the Project B onshore works, any other authorised development associated with those works and related ancillary works, Bizco 4;
- (c) in relation to the shared works, any other authorised development associated with those works and related ancillary works, Bizco 1 and Bizco 4; and
- (d) in any other case, Bizco 1 and Bizco 4;

“vessel” means every description of vessel, however propelled or moved, and includes a non-displacement craft, a personal watercraft, a seaplane on the surface of the water, a hydrofoil vessel, a hovercraft or any other amphibious vehicle and any other thing constructed or adapted for movement through, in, on or over water and which is at the time in, on or over water;

“watercourse” includes all rivers, streams, ditches, drains, canals, cuts, culverts, dykes, sluices, sewers and passages through which water flows except a public sewer or drain;

“wind turbine generator” means a structure comprising a tower, a rotor with 3 blades connected at the hub, a nacelle and ancillary electrical and other equipment which may include J-tubes, transition piece, access and rest platforms, access ladders, boat access systems, corrosion protection systems, fenders and maintenance equipment, helicopter transfer facilities and other associated equipment, fixed to a foundation;

“works plans” means the onshore works plans and the offshore works plans.

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<sup>(16)</sup> Section 48 was amended by section 124(2) of the Local Transport Act 2008 (c.26).

<sup>(17)</sup> “Street authority” is defined in section 49.

(2) References in this Order to rights over land include references to rights to do, or to place and maintain, anything in, on or under land or in the air-space above its surface.

(3) All distances, directions and lengths referred to in this Order are approximate, and distances between points on a work comprised in the authorised project are to be taken to be measured along that work, except in respect of the parameters referred to in—

- (a) Requirements 3 to 6 and 12;
- (b) Conditions 3 and 4 in Marine Licences 1 and 2; and
- (c) Condition 3 in Marine Licences 3 and 4.

(4) References in this Order to a numbered Work are references to a work numbered in Part 1 of Schedule 1.

(5) References in this Order to points identified by letters are references to the points so lettered on the onshore works plans.

(6) References in this Order to co-ordinates are references to co-ordinates on the World Geodetic System 1984 datum.

(7) In this Order, “includes” must be construed without limitation.

## PART 2

### Principal powers

#### **Development consent, etc. granted by Order**

3.—(1) Subject to the provisions of this Order and to the Requirements, Bizco 1 is granted—

- (a) development consent for the Project A offshore works, the Project A onshore works, any other authorised development associated with those works; and
- (b) consent for related ancillary works,

to be carried out within the Order limits.

(2) Subject to the provisions of this Order and to the Requirements, Bizco 4 is granted—

- (a) development consent for the Project B offshore works, the Project B onshore works, any other authorised development associated with those works; and
- (b) consent for related ancillary works,

to be carried out within the Order limits.

(3) Subject to the provisions of this Order and to the Requirements, Bizco 1 and Bizco 4 are jointly granted—

- (a) development consent for the shared works and any other authorised development associated with those works; and
- (b) consent for related ancillary works,

to be carried out within the Order limits.

(4) Despite anything in this Order or shown on the offshore works plans, the undertaker may construct either Work No. 2BA or Work No. 2BC but not both.

(5) Schedule 1 (authorised project) has effect.



### **Maintenance of authorised project**

4.—(1) The undertaker may at any time maintain, and maintain from time to time, the authorised project except to the extent that this Order or any agreement made under this Order provides otherwise.

(2) The power to maintain conferred under paragraph (1) does not relieve the undertaker of any requirement to obtain a licence under Part 4 of the 2009 Act (marine licensing).

### **Operation of generating stations**

5.—(1) The undertaker is authorised to operate the generating stations(18) comprised in the authorised development.

(2) This article does not relieve the undertaker of any requirements to obtain a permit or licence under any other legislation that may be required from time to time to authorise the operation of a generating station.

### **Requirements: appeals, etc.**

6.—(1) Where an application is made to the relevant planning authority for any consent, agreement or approval required by Requirements 11 to 33, the following provisions apply in respect of that application as they would if the consent, agreement or approval so required was required by a condition imposed on a grant of planning permission—

- (a) sections 78 and 79 of the 1990 Act(19) (right of appeal in relation to planning decisions);
- (b) any orders, rules or regulations that make provision in relation to a consent, agreement or approval of a local planning authority required by a condition imposed on a grant of planning permission, insofar as the orders, rules or regulations are not inconsistent with the Infrastructure Planning (Environmental Impact Assessment) Regulations 2009 and any orders, rules or other regulations made under the 2008 Act.

(2) For the purposes of the application of section 262 of the 1990 Act (meaning of “statutory undertaker”) to appeals pursuant to this article, the undertaker is deemed to be a holder of a licence under section 6 of the Electricity Act 1989(20).

### **Benefit of Order**

7. Subject to article 8 (consent to transfer benefit of Order), the provisions of this Order have effect solely for the benefit of the undertaker.

### **Consent to transfer benefit of Order**

8.—(1) Subject to the provisions of this article, the undertaker may, with the consent of the Secretary of State (except where paragraph (4) applies, in which case no such consent is required),—

- (a) transfer to another person (the “transferee”) any or all of the benefit of the provisions of this Order and such related statutory rights as may be agreed between the undertaker and the transferee; or

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(18) “Generating station” is defined in section 235(1) of the Planning Act 2008.

(19) Section 78 was amended by section 43(2) of the Planning and Compulsory Purchase Act 2004 (c.5), paragraph 3(b) of Schedule 10 to the Planning Act 2008, section 123(3) of, and paragraph 11 of Schedule 12 to, the Localism Act 2011, paragraph 8 of Schedule 1 to the Growth and Infrastructure Act 2013 and paragraph 12 of Schedule 4 to the Infrastructure Act 2015 (c.7). Section 79 was amended by section 18 of, and paragraph 19 of Schedule 7 to, the Planning and Compensation Act 1991 (c.34) and by paragraph 4 of Schedule 10 to the Planning Act 2008.

(20) 1989 c. 29. Section 6 was amended by section 30 of the Utilities Act 2000 (c.27), section 136 and 145 of, and Schedule 23 to, the Energy Act 2004, regulation 5 of S.I. 2011/2704 and article 6 of S.I. 2012/2400.

- (b) grant to another person (the “lessee”) for a period agreed between the undertaker and the lessee any or all of the benefit of the provisions of this Order and such related statutory rights as may be agreed between the undertaker and the lessee.
- (2) Where an agreement is made in accordance with paragraph (1), references in this Order to the undertaker, except in paragraph (3), include references to the transferee or the lessee.
- (3) The exercise by a person of any benefits or rights conferred in accordance with any transfer or grant under paragraph (1) is subject to the same restrictions, liabilities and obligations as would apply under this Order if those benefits or rights were exercised by the undertaker.
- (4) This paragraph applies where—
- (a) the transferee or lessee is a person who holds a licence under the Electricity Act 1989; or
  - (b) the time limits for claims for compensation in respect of the acquisition of land or effects on land under this Order have elapsed and either no such claim has been made or, if such a claim has been made,—
    - (i) the claim has been compromised or withdrawn;
    - (ii) compensation has been paid in final settlement of the claim;
    - (iii) payment of compensation into court has taken place in lieu of settlement of the claim; or
    - (iv) a tribunal or court of competent jurisdiction has determined that no compensation is payable in respect of the claim.
- (5) The provisions of articles 13 (street works), 14 (temporary stopping up of streets), 21 (compulsory acquisition of land), 24 (compulsory acquisition of rights), 29 (temporary use of land for carrying out the authorised project) and 30 (temporary use of land for maintaining authorised project) have effect for the benefit only of a transferee or lessee who is also—
- (a) in respect of Works No. 1A, 1B, 2A, 2BA, 2BC, 2B, 3A, 3B, 4A, 4B, 5A, 5B, 6A, 6B, 7, 8A, 8B, 9A, 9B, 10A, 10B, 10C, 10D, 10E and 10F, a person who holds a licence under the Electricity Act 1989; and
  - (b) in respect of functions under article 13 (street works) relating to a street, a street authority.
- (6) Despite anything contained in Part 4 of the 2009 Act (marine licensing) (but subject to paragraph (3)), the undertaker may, pursuant to an agreement under paragraph (1), transfer relevant provisions to another person.
- (7) The Secretary of State must consult the MMO before consenting to the transfer of relevant provisions pursuant to an agreement under paragraph (1).
- (8) The undertaker must consult the MMO before the transfer of relevant provisions pursuant to an agreement under paragraph (1) in a case where the Secretary of State’s consent to such a transfer is not required (because paragraph (4) applies).
- (9) No later than 14 days after the taking effect of any agreement under paragraph (1) that transfers relevant provisions to another person, the transferor must give written notice to the MMO of—
- (a) the name and address of the other person;
  - (b) the relevant provisions transferred; and
  - (c) the date on which the transfer took effect.
- (10) Section 72(7) and (8) of the 2009 Act do not apply to a transfer of relevant provisions pursuant to an agreement under paragraph (1).
- (11) In this article, “relevant provisions” means any of the provisions set out in Part A of any of Marine Licences 1, 2, 3 or 4 together with the corresponding conditions set out in Part B of the Licence.

### **Bizco 1 and Bizco 4 may enter certain land for purpose of construction**

**9.**—(1) For the purpose of constructing Works No. 2A, 3A, 4A, 5A, 6A, 8A and 9A, Bizco 1 may enter the land shown on the works plans within the Order limits for Works No. 2B, 2BA or 2BC, 3B, 4B, 5B, 6B, 8B and 9B that has been acquired for the purpose of Project B.

(2) For the purpose of constructing Works No. 2B, 2BA or 2BC, 3B, 4B, 5B, 6B, 8B and 9B, Bizco 4 may enter the land shown on the works plans within the Order limits for Works No. 2A, 3A, 4A, 5A, 6A, 8A and 9A that has been acquired for the purpose of Project A.

(3) For the purpose of constructing Works No. 7, 10A, 10B, 10C, 10D, 10E and 10F, Bizco 1 (in common with Bizco 4), and Bizco 4 (in common with Bizco 1), may enter the land required for those works.

### **Disapplication and modification of legislative provisions**

**10.**—(1) The following provisions do not apply in relation to the construction of works carried out for the purpose of, or in connection with, the construction or maintenance of the authorised project—

- (a) section 109 of the Water Resources Act 1991(**21**) (structures in, over or under a main river); and
- (b) the provisions of any byelaws made under, or having effect as if made under, paragraphs 5, 6 or 6A of Schedule 25(**22**) (byelaw-making powers of the Appropriate Agency) to the Water Resources Act 1991 that require consent or approval for the carrying out of the works.

(2) Any provision of the 1836 Act and of any byelaws, rules, orders or regulations made under that Act are unenforceable and do not have effect in relation to the exercise of any power conferred by this Order so far as applying to Figham Common to the extent that the provision is inconsistent with the exercise of the power including, in particular,—

- (a) if the provision makes it an offence to take action, or not to take action, pursuant to the power;
- (b) if the provision requires the consent of any person before action may be taken pursuant to the power;
- (c) if action taken pursuant to the power causes the provision to apply so as to enable a person to require the taking of remedial or other action or so as to enable remedial or other action to be taken; or
- (d) if action taken pursuant to a power or duty under the provision would or might interfere with the exercise of any work authorised by this Order.

(3) In paragraph (2), “1836 Act” means the Act(**23**) the title of which is “An Act to provide for the better regulation of certain common pastures within the Borough of Beverley in the East Riding of the County of York”.

- (4) In constructing Works No. 6A and 6B, the undertaker may do either or both of the following—
- (a) hold, use and appropriate such parts of the disused canal as it may require for the purposes of the authorised project;

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(21) [1991 c.57](#). Section 109 was amended by section 82(2) of the Marine and Coastal Access Act 2009 and paragraph 274 of Schedule 2 to [S.I. 2013/755](#).

(22) Paragraph 5 was amended by section 100 of the Natural Environment and Rural Communities Act 2006 ([c.16](#)), section 84(2) of, and paragraph 3 of Schedule 11 to, the Marine and Coastal Access Act 2009, paragraph 49 of Schedule 2 to the Flood and Water Management Act 2010 ([c.29](#)) and paragraph 315 of Schedule 2 to [S.I. 2013/755](#). Paragraph 6 was amended by paragraph 26 of Schedule 15 to the Environment Act 1995 ([c.25](#)) and section 224 of, and paragraph 24 of Schedule 16 and Part 5 of Schedule 22 to, the Marine and Coastal Access Act 2009. Paragraph 6A was inserted by section 103(3) of the Environment Act 1995.

(23) [1836 c. lxx](#).

(b) take down and remove such parts of the disused canal as the undertaker does not require for those purposes.

(5) On the date of entry by the undertaker onto any part of the disused canal for the purposes of exercising any power in Part 5, all of the powers and duties that may be conferred or imposed by the relevant provisions in relation to that part of the disused canal that is within the Order limits cease to have effect.

(6) Except as provided in paragraph (5), the 1801 and 1847 Acts remain in full force and effect.

(7) In paragraphs (4) to (6)—

“1801 Act” means the Act<sup>(24)</sup> the title of which is “An Act for enabling Charlotta Bethell, widow, to make and maintain a navigable canal from the River Hull at a point in the parish of Leven near the boundary between Eske and Leven Carrs in the East Riding of the County of York to Leven Bridge in the said Riding”;

“1847 Act” means the York and North Midland Railway (Canals Purchase) Act 1847<sup>(25)</sup>;

“disused canal” means that part of the former Leven Canal authorised by the relevant provisions;

“relevant provisions” means sections 1 and 14 of the 1801 Act and section 35 of the 1847 Act.

(8) For the purposes of carrying out development authorised by this Order only, regulation 6(1) of the Hedgerow Regulations 1997<sup>(26)</sup> is deemed to be amended by the inserting the following sub-paragraph after sub-paragraph (e)—

“(ea) for carrying out development for which development consent is granted under section 114 of the Planning Act 2008;”.

### **Offshore works: abandonment, decay or removal**

**11.**—(1) Where the offshore works or any part of them are abandoned or allowed to fall into decay, the Secretary of State may, following consultation with the undertaker, issue a written notice requiring the undertaker at its own expense—

- (a) to repair and restore or remove the offshore works or any relevant part of it; and
- (b) to restore the site of the offshore works or any relevant part to a safe and appropriate condition, having regard to any requirement that appears to the Secretary of State to be relevant, within an area and to such an extent as may be specified in the notice.

(2) Where the offshore works or any part of them are removed (other than in accordance with paragraph (1)), the Secretary of State may, following consultation with the undertaker and the relevant statutory nature conservation body, issue a written notice requiring the undertaker at its own expense to restore the site of the offshore works or any relevant part to a safe and appropriate condition, having regard to any requirement that appears to the Secretary of State to be relevant, within an area and to such an extent as may be specified in the notice.

(3) Nothing in this article limits the Secretary of State’s power under Chapter 3 of Part 2 of the 2004 Act (decommissioning of offshore installations).

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<sup>(24)</sup> 41 G.3 c.xxxii, amended by 45 G.3 c.xliii.

<sup>(25)</sup> 10 & 11 Vict. c.216.

<sup>(26)</sup> S.I. 1997/1160.

## **Defence to proceedings in respect of statutory nuisance**

**12.**—(1) Where proceedings are brought under section 82(1) of the Environmental Protection Act 1990<sup>(27)</sup> (summary proceedings by person aggrieved by statutory nuisance) in relation to a nuisance falling within section 79(1)(g) of that Act (noise emitted from premises so as to be prejudicial to health or a nuisance), no order may be made, and no fine may be imposed, under section 82(2) of that Act if the defendant shows that the nuisance—

- (a) relates to premises used by the undertaker for the purposes of or in connection with the construction or maintenance of the authorised project and is attributable to the carrying out of the authorised project in accordance with a notice served under section 60 (control of noise on construction site), or a consent given under section 61 (prior consent for work on construction site) or section 65 (noise exceeding registered level), of the Control of Pollution Act 1974<sup>(28)</sup>;
- (b) is a consequence of the construction or maintenance of the authorised project and that it cannot reasonably be avoided;
- (c) relates to premises used by the undertaker for the purposes of or in connection with the use of the authorised project and is attributable to the use of the authorised project in compliance with Requirement 25 (control of noise during operational phase); or
- (d) is a consequence of the use of the authorised project and that it cannot reasonably be avoided.

(2) Section 61(9) (consent for work on construction site to include statement that it does not of itself constitute a defence to proceedings under section 82 of the Environmental Protection Act 1990) of the Control of Pollution Act 1974 and section 65(8) of that Act (corresponding provision in relation to consent for registered noise level to be exceeded) do not apply where the consent relates to the use of premises by the undertaker for the purposes of or in connection with the construction or maintenance of the authorised project.

(3) This article does not affect the application to the authorised project of section 158 of the 2008 Act (nuisance: statutory authority).

## **PART 3**

### **Streets**

#### **Street works**

**13.**—(1) The undertaker may, for the purposes of the authorised project, enter so much of any of the streets specified in Schedule 2 (streets subject to street works) as is within the Order limits and may—

- (a) break up or open the street, or any sewer, drain or tunnel under it;
- (b) tunnel or bore under the street;
- (c) place apparatus under the street;
- (d) maintain apparatus under the street or change its position; and

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(27) 1990 c.43. Section 82(1) was amended by paragraph 6 of Schedule 17 to the Environment Act 1995. Section 82(2) was amended by section 5(2) of the Noise and Statutory Nuisance Act 1993 (c.40) and paragraph 6 of Schedule 17 to the Environment Act 1995.

(28) 1974 c.40. Section 61 was amended by Schedule 7 to the Building Act 1984 (c.55), paragraph 15 of Schedule 15 to the Environmental Protection Act 1990 and Schedule 24 to the Environment Act 1995. Section 65 was amended by paragraph 15 of Schedule 15 to the Environmental Protection Act 1990 and Schedule 24 to the Environment Act 1995.

- (e) execute any works required for or incidental to any works referred to in sub-paragraphs (a) to (d).
- (2) The authority given by paragraph (1) is a statutory right for the purposes of sections 48(3) (streets, street works and undertakers) and 51(1) (prohibition of unauthorised street works) of the 1991 Act.
- (3) Sections 54 to 106 of the 1991 Act<sup>(29)</sup> apply to any street works carried out under paragraph (1).
- (4) In this article “apparatus” has the same meaning as in Part 3 of the 1991 Act<sup>(30)</sup>.

### **Temporary stopping up of streets**

- 14.**—(1) The undertaker, during and for the purposes of carrying out the authorised project, may temporarily stop up, alter or divert any street and may for any reasonable time—
- (a) divert the traffic from the street; and
  - (b) subject to paragraph (2), prevent persons from passing along the street.
- (2) The undertaker must provide reasonable access for pedestrians going to or from premises abutting a street affected by the temporary stopping up, alteration or diversion of a street under this article if there would otherwise be no such access.
- (3) Without limiting paragraph (1), the undertaker may temporarily stop up, alter or divert the streets specified in an entry in column (2) of Schedule 3 (streets to be temporarily stopped up) to the extent specified, by reference to the letters and numbers shown on the streets and public rights of way plan, in the corresponding entry in column (1).
- (4) The undertaker must not temporarily stop up, alter or divert—
- (a) any street specified as mentioned in paragraph (3) without first consulting the street authority; and
  - (b) any other street without the consent of the street authority, which may attach reasonable conditions to any consent.
- (5) Any person who suffers loss by the suspension of any private right of way under this article is entitled to compensation to be determined, in case of dispute, under Part 1 of the 1961 Act.

### **Access to works**

- 15.** The undertaker may, for the purposes of the authorised project,—
- (a) form and lay out means of access, or improve existing means of access, in the locations specified in columns (1) and (2) of Schedule 4 (access to works);
  - (b) with the approval of the relevant planning authority after consultation with the highway authority, form and lay out such other means of access or improve existing means of access at such locations within the Order limits as the undertaker reasonably requires for the purposes of the authorised project.

### **Agreements with street authorities**

- 16.**—(1) A street authority and the undertaker may enter into agreements with respect to—
- (a) the construction of any new street (including any structure carrying the street over or under the authorised development) authorised by this Order;

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<sup>(29)</sup> A number of these provisions are amended, including by the Traffic Management Act 2004 (c.18).

<sup>(30)</sup> “Apparatus” is defined in sections 89(3) and 105(1).

- (b) the maintenance of the structure of any bridge or tunnel carrying a street over or under the authorised development;
  - (c) any stopping up, alternation or diversion of a street authorised by this Order; or
  - (d) the execution in any street referred to in article 13 (street works) of any of the works referred to in that article.
- (2) Such an agreement may, without limiting paragraph (1),—
- (a) provide for the street authority to carry out any function under this Order that relates to the street in question;
  - (b) include an agreement between the undertaker and street authority specifying a reasonable time for the completion of the works; and
  - (c) contain such terms as to payment and otherwise as the parties consider appropriate.

## PART 4

### Supplemental powers

#### Discharge of water

17.—(1) The undertaker may use any watercourse or any public sewer or drain for the drainage of water in connection with the carrying out or maintenance of the authorised project and for that purpose may lay down, take up and alter pipes and may, on any land within the Order limits, make openings into, and connections with, the watercourse, public sewer or drain.

(2) Any dispute arising from the making of connections to or the use of a public sewer or drain by the undertaker pursuant to paragraph (1) must be determined as if it were a dispute under section 106 of the Water Industry Act 1991(31) (right to communicate with public sewers).

(3) The undertaker must not discharge any water into any watercourse, public sewer or drain except with the consent of the person to whom it belongs; and such consent may be given subject to such terms and conditions as the person may reasonably impose, but must not be unreasonably withheld.

- (4) The undertaker must not make any opening into any public sewer or drain except—
- (a) in accordance with plans approved by the person to whom the sewer or drain belongs, but such approval must not be unreasonably withheld; and
  - (b) where the person has been given the opportunity to supervise the making of the opening.

(5) The undertaker must not, in carrying out or maintaining works pursuant to this article, damage or interfere with the bed or banks of any watercourse forming part of a main river.

(6) The undertaker must take such steps as are reasonably practicable to secure that any water discharged into a watercourse or public sewer or drain pursuant to this article is as free as may be practicable from gravel, soil or other solid substance, oil or matter in suspension.

(7) This article does not authorise a groundwater activity or a water discharge activity within the meaning of the Environmental Permitting (England and Wales) Regulations 2010(32).

- (8) In this article—

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(31) 1991 c.56. Section 106 was amended by section 35(8)(a) of the Competition and Service (Utilities) Act 1992 (c.43) and sections 36(2) and 99 of the Water Act 2003 (c.37). There are other amendments to this section that are not relevant to this Order.

(32) S.I. 2010/675. “Groundwater activity” is defined in paragraph 3 of Schedule 22. “Water discharge activity” is defined in paragraph 3 of Schedule 21.

- (a) “public sewer or drain” means a sewer or drain that belongs to the Environment Agency, an internal drainage board, a local authority or a sewerage undertaker<sup>(33)</sup>; and
- (b) other expressions, excluding watercourse, used both in this article and in the Water Resources Act 1991 have the same meaning as in that Act.

(9) This article does not relieve the undertaker of any obligation to obtain from the Environment Agency any permit or licence or any other obligation under any other legislation that may be required to authorise the making of a connection to or the use of a public sewer or drain by the undertaker pursuant to paragraph (1) or the discharge of any water into, any watercourse, sewer or drain pursuant to paragraph (3).

### **Protective work to buildings**

**18.**—(1) Subject to the provisions of this article, the undertaker may at its own expense carry out such protective works to any building lying within the Order limits as the undertaker considers necessary or expedient.

(2) Protective works may be carried out—

- (a) at any time before or during the carrying out in the vicinity of the building of any part of the authorised project; or
- (b) after the completion of that stage of the authorised project in the vicinity of the building at any time up to the end of the period of 5 years beginning with the day on which that stage of the authorised project is brought into commercial operation.

(3) For the purpose of determining how the functions under this article are to be exercised, the undertaker may enter and survey any building falling within paragraph (1) and any land within its curtilage.

(4) For the purpose of carrying out protective works to a building, the undertaker may (subject to paragraphs (5) and (6))—

- (a) enter the building and any land within its curtilage; and
- (b) where the works cannot be carried out reasonably conveniently without entering land that is adjacent to the building but outside its curtilage, enter the adjacent land (but not any building erected on it).

(5) Before exercising—

- (a) a right under paragraph (1) to carry out protective works to a building;
- (b) a right under paragraph (3) to enter a building and land within its curtilage;
- (c) a right under paragraph (4)(a) to enter a building and land within its curtilage; or
- (d) a right under paragraph (4)(b) to enter land,

the undertaker must, except in the case of emergency, serve on the owners and occupiers of the building or land not less than 14 days’ notice of its intention to exercise that right and, in a case falling within sub-paragraph (a) or (c), the notice must specify the protective works proposed to be carried out.

(6) Where a notice is served under paragraph (5)(a), (c) or (d), the owner or occupier of the building or land concerned may, by serving a counter-notice within the period of 10 days beginning with the day on which the notice was served, require the question whether it is necessary or expedient to carry out the protective works or to enter the building or land to be referred to arbitration under article 44 (arbitration).

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(33) “Sewerage undertaker” is defined in Schedule 1 to the Interpretation Act 1978 (c.30).



(7) The undertaker must compensate the owners and occupiers of any building or land in relation to which rights under this article have been exercised for any loss or damage arising to them by reason of the exercise of those rights.

(8) Where—

- (a) protective works are carried out under this article to a building; and
- (b) within the period of 5 years beginning with the day on which that stage of the authorised project carried out in the vicinity of the building is brought into commercial operation, it appears that the protective works are inadequate to protect the building against damage caused by the carrying out or use of that stage of the authorised project,

the undertaker must compensate the owners and occupiers of the building for any loss or damage sustained by them.

(9) Nothing in this article relieves the undertaker from any liability to pay compensation under section 10(2) of the 1965 Act (further provision as to compensation for injurious affection).

(10) Any compensation payable under paragraph (7) or (8) must be determined, in case of dispute, under Part 1 of the 1961 Act (determination of questions of disputed compensation).

(11) In this article, “protective works”, in relation to a building, means—

- (a) underpinning, strengthening and any other works, the purpose of which is to prevent damage that may be caused to the building by the carrying out, maintenance or use of the authorised project; and
- (b) any works the purpose of which is to remedy any damage that has been caused to the building by the carrying out, maintenance or use of the authorised project.

### **Authority to survey and investigate land**

**19.—**(1) The undertaker may for the purposes of this Order enter any land shown within the Order limits or which may be affected by the authorised project and—

- (a) survey or investigate the land;
- (b) without limiting sub-paragraph (a), make trial holes in such positions on the land as the undertaker thinks fit to investigate the nature of the surface layer and subsoil and remove soil samples;
- (c) without limiting sub-paragraph (a), carry out ecological or archaeological investigations on the land; and
- (d) place on, leave on and remove from the land apparatus for use in connection with the survey and investigation of land and making of trial holes.

(2) No land may be entered or equipment placed or left on or removed from the land under paragraph (1) unless at least 14 days’ notice has been served on every owner and occupier of the land.

(3) Any person entering land under this article on behalf of the undertaker—

- (a) must, if so required on entering the land, produce written evidence of authority to do so; and
- (b) may take with him or her such vehicles and equipment as are necessary to carry out the survey or investigation or to make the trial holes.

(4) No trial holes may be made under this article—

- (a) in land located within the highway boundary without the consent of the highway authority; or
- (b) in a private street without the consent of the street authority,

but such consent must not be unreasonably withheld.

(5) After completion of the activities being undertaken pursuant to this article, any apparatus must be removed as soon as practicable, and the land must be restored to its original condition.

(6) The undertaker must compensate the owners and occupiers of the land for any loss or damage arising by reason of the exercise of the authority conferred by this article, such compensation to be determined, in case of dispute under Part 1 of the 1961 Act (determination of questions of disputed compensation).

### **Removal of human remains**

**20.**—(1) In this article, “specified land” means the land within the limits of deviation.

(2) Before the undertaker carries out any development or works that will or may disturb any human remains in the specified land, it must remove those human remains from the specified land, or cause them to be removed, in accordance with the following provisions of this article.

(3) Before any such remains are removed from the specified land, the undertaker must give notice of the intended removal, describing the specified land and stating the general effect of the following provisions of this article, by—

- (a) publishing a notice once in each of 2 successive weeks in a newspaper circulating in the area of the authorised project; and
- (b) displaying a notice in a conspicuous place on or near to the specified land.

(4) As soon as reasonably practicable after the first publication of a notice under paragraph (3), the undertaker must send a copy of the notice to the relevant planning authority.

(5) At any time within 56 days after the first publication of a notice under paragraph (3), any person who is a personal representative or relative of any deceased person whose remains are interred in the specified land may give notice in writing to the undertaker of that person’s intention to undertake the removal of the remains.

(6) Where a person has given notice under paragraph (5), and the remains in question can be identified, that person may cause such remains to be—

- (a) removed and re-interred in any burial ground or cemetery in which burials may legally take place; or
- (b) removed to, and cremated in, any crematorium,

and that person must, as soon as reasonably practicable after such re-interment or cremation, provide to the undertaker a certificate for the purpose of enabling compliance with paragraph (11).

(7) If the undertaker is not satisfied that any person giving notice under paragraph (5) is the personal representative or relative as that person claims to be, or that the remains in question can be identified, the question must be determined on the application of either party in a summary manner by the county court, and the court may make an order specifying who must remove the remains and as to the payment of the costs of the application.

(8) The undertaker must pay the reasonable expenses of removing and re-interring or cremating the remains of any deceased person under this article.

(9) If—

- (a) within the period of 56 days referred to in paragraph (5) no notice under that paragraph is given to the undertaker in respect of any remains in the specified land;
- (b) notice under paragraph (5) is given within the period of 56 days and no application is made under paragraph (7) within 56 days after the giving of the notice, but the person who gave the notice fails to remove the remains within a further period of 56 days;
- (c) within 56 days after any order is made by the county court under paragraph (7) any person, other than the undertaker, specified in the order fails to remove the remains; or

- (d) it is determined that the remains to which a notice under paragraph (5) relates cannot be identified,

subject to paragraph (10), the undertaker must remove the remains and cause them to be re-interred in such burial ground or cemetery in which burials may legally take place as the undertaker thinks suitable for the purpose; and, so far as possible, remains from individual graves must be re-interred in individual containers which must be identifiable by a record prepared with reference to the original position of burial of the remains that they contain.

(10) If the undertaker is satisfied that any person giving notice under paragraph (5) is the personal representative or relative as that person claims to be and that the remains in question can be identified, but that person does not remove the remains, the undertaker must comply with any reasonable request that person may make in relation to the removal and re-interment or cremation of the remains.

(11) On the re-interment or cremation of any remains under this article—

- (a) a certificate of re-interment or cremation must be sent by the undertaker to the Registrar-General giving the date of re-interment or cremation and identifying the place from which the remains were removed and the place in which they were re-interred or cremated; and
- (b) a copy of the certificate of re-interment or cremation and the record mentioned in paragraph (9) must be sent by the undertaker to the relevant planning authority mentioned in paragraph (4).

(12) The removal of the remains of any deceased person under this article must be carried out in accordance with any directions that may be given by the Secretary of State.

(13) Any jurisdiction or function conferred on the county court by this article may be exercised by the district judge of the court.

(14) Section 25 of the Burial Act 1857<sup>(34)</sup> (offence of removal of body from burial ground) does not apply to a removal carried out in accordance with this article.

## PART 5

### Powers of acquisition

#### Compulsory acquisition of land

**21.**—(1) Bizco 1 may acquire compulsorily so much of the Order land as is required for the Project A onshore works, the Project A offshore works, the shared works or to facilitate, or is incidental to, the construction and maintenance of those works.

(2) Bizco 4 may acquire compulsorily so much of the Order land as is required for the Project B onshore works, the Project B offshore works and the shared works or to facilitate, or is incidental to, the construction and maintenance of those works.

(3) From the day on which a compulsory acquisition notice is served or the day on which the Order land, or any part of it, is vested in the undertaker, whichever is the later, the land or the part of it that is vested (as the case may be) is discharged from all rights, trusts and incidents to which it was previously subject.

(4) Any person who suffers loss by the extinguishment or suspension of any private right of way under this article is entitled to compensation to be determined, in case of dispute, under Part 1 of the 1961 Act.

(5) This article is subject to—

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<sup>(34)</sup> 1857 c.81. Section 25 was substituted by section 2 of Church of England (Miscellaneous Provisions) Measure 2014 (2014 No. 1).

- (a) article 9 (Bizco 1 and Bizco 4 may enter certain land for purpose of construction);
- (b) article 24 (compulsory acquisition of rights); and
- (c) article 29 (temporary use of land for carrying out authorised project).

### **Compulsory acquisition of land: minerals**

22. Part 2 of Schedule 2 to the Acquisition of Land Act 1981 (minerals) is incorporated in this Order, subject to the modification that for “acquiring authority” there is substituted “undertaker”.

### **Time limit for exercise of authority to acquire land compulsorily, etc.**

23.—(1) After 11th March 2020—

- (a) no notice to treat may be served under Part 1 of the 1965 Act; and
- (b) no declaration may be executed under section 4 of the Compulsory Purchase (Vesting Declarations) Act 1981<sup>(35)</sup> (execution of declaration) as applied by article 26 (application of Compulsory Purchase (Vesting Declarations) Act 1981).

(2) The authority conferred by article 29 (temporary use of land for carrying out authorised project) ceases on 11th March 2020, but nothing in this paragraph prevents the undertaker remaining in possession of land after that date, if the land was entered and possession was taken before that date.

### **Compulsory acquisition of rights**

24.—(1) Subject to paragraph (2), the undertaker may acquire compulsorily such rights over the Order land as may be required for any purpose for which that land may be acquired under article 21 (compulsory acquisition of land) by creating them as well as by acquiring rights already in existence.

(2) In the case of the Order land specified in an entry in column (1) of Schedule 5 (land over which only new rights may be acquired), the powers of compulsory acquisition conferred by this Order are limited to the acquisition of such new rights as may be required for the purpose specified in relation to that land in the corresponding entry in column (2) and described in the book of reference.

(3) From the day on which a compulsory acquisition notice is served or the day on which any new right is vested in the undertaker, whichever is the later, the land over which any new right is acquired is discharged from all rights, trusts and incidents to which it was previously subject, so far as their continuance would be inconsistent with the exercise of that new right.

(4) Subject to section 8 of the 1965 Act<sup>(36)</sup>, where the undertaker acquires a right over the Order land under this article, the undertaker is not to be required to acquire a greater interest in that land.

(5) After the completion of any activities in exercise of the rights under this article, the land must be restored, so far as practicable, to its original condition.

(6) Any person who suffers loss as a result of the extinguishment or suspension of any private right of way under this article is entitled to compensation to be determined, in case of dispute, under Part 1 of the 1961 Act.

(7) Schedule 6 (modification of compensation and compulsory purchase enactments for creation of new rights) has effect for the purpose of modifying the enactments referred to in that Schedule in their application in relation to the compulsory acquisition under this Order of a right over land by the creation of a new right.

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<sup>(35)</sup> 1981 c.66.

<sup>(36)</sup> Section 8 was amended by paragraph 62 of Schedule 1 to [S.I. 2009/1307](#).

### **Private rights of way**

**25.**—(1) Subject to the provisions of this article, all private rights of way over land subject to compulsory acquisition under this Order are extinguished—

- (a) from the date of acquisition of the land by the undertaker, whether compulsorily or by agreement; or
- (b) on the date of entry on the land by the undertaker under section 11(1) of the 1965 Act<sup>(37)</sup> (power of entry),

whichever is the earlier.

(2) Subject to the provisions of this article, all private rights of way over land owned by the undertaker that, being within the limits of land that may be acquired shown on the land plan, is required for the purposes of this Order are extinguished on the appropriation of the land by the undertaker for any of those purposes.

(3) Subject to the provisions of this article, all private rights of way over land of which the undertaker takes temporary possession under this Order are suspended and unenforceable for as long as the undertaker remains in lawful possession of the land.

(4) Any person who suffers loss by the extinguishment or suspension of any private right of way under this article is entitled to compensation to be determined, in case of dispute, under Part 1 of the 1961 Act.

(5) This article does not apply in relation to any right of way to which section 138 of the 2008 Act<sup>(38)</sup> (extinguishment of rights, and removal of apparatus, of statutory undertakers etc.) or article 31 (statutory undertakers) applies.

(6) Paragraphs (1) to (3) have effect subject to—

- (a) any notice given by the undertaker before—
  - (i) the completion of the acquisition of the land;
  - (ii) the undertaker’s appropriation of it;
  - (iii) the undertaker’s entry onto it; or
  - (iv) the undertaker’s taking temporary possession of it,that any or all of those paragraphs do not apply to any right of way specified in the notice; or
- (b) any agreement made at any time between the undertaker and the person in or to whom the right of way in question is vested or belongs.

(7) If any such agreement as is referred to in paragraph (6)(b)—

- (a) is made with a person in or to whom the right of way is vested or belongs; and
- (b) is expressed to have effect also for the benefit of those deriving title from or under that person,

it is effective in respect of the persons so deriving title, whether the title was derived before or after the making of the agreement.

### **Application of Compulsory Purchase (Vesting Declarations) Act 1981**

**26.**—(1) The Compulsory Purchase (Vesting Declarations) Act 1981 applies as if this Order were a compulsory purchase order.

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<sup>(37)</sup> Section 11(1) was amended by paragraph 14 of Schedule 4 to the Acquisition of Land Act 1981 and paragraph 12 of Schedule 5 to the Church of England (Miscellaneous Provisions) Measure 2006 (2006 No. 1).

<sup>(38)</sup> Section 138 was amended by section 23(4) of the Growth and Infrastructure Act 2013.

(2) The Compulsory Purchase (Vesting Declarations) Act 1981, as so applied, has effect with the following modifications.

(3) In section 3 (preliminary notices), for subsection (1) there is substituted—

“(1) Before making a declaration under section 4 with respect to any land subject to a compulsory purchase order, the acquiring authority must include the particulars specified in subsection (3) in a notice which is—

- (a) given to every person with a relevant interest in the land with respect to which the declaration is to be made (other than a mortgagee who is not in possession); and
- (b) published in a local newspaper circulating in the area in which the land is situated.”

(4) In that section, in subsection (2), for “(1)(b)” there is substituted “(1)” and after “given” there is inserted “and published”.

(5) In that section, for subsections (5) and (6) there is substituted—

“(5) For the purposes of this section, a person has a relevant interest in land if—

- (a) the person is for the time being entitled to dispose of the fee simple of the land, whether in possession or in reversion; or
- (b) the person holds, or is entitled to the rents and profits of, the land under a lease or agreement, the unexpired term of which exceeds 1 month.”

(6) In section 5 (earliest date for execution of declaration)—

- (a) in subsection (1), after “publication” there is inserted “in a local newspaper circulating in the area in which the land is situated”; and
- (b) subsection (2) is omitted.

(7) In section 7 (constructive notice to treat), in subsection (1)(a), the words “(as modified by section 4 of the Acquisition of Land Act 1981)” are omitted.

(8) References to the 1965 Act in the Compulsory Purchase (Vesting Declarations) Act 1981 must be construed as references to that Act as applied by section 125 of the 2008 Act to the compulsory acquisition of land under this Order.

### **Acquisition of part of certain properties**

**27.**—(1) This article applies instead of section 8(1) of the 1965 Act (other provisions as to divided land) (as applied by section 125 of the 2008 Act) where—

- (a) a notice to treat is served on a person (the “owner”) under the 1965 Act (as so applied) in respect of land forming only part of a house, building or manufactory or of land consisting of a house with a park or garden (the “land subject to the notice to treat”); and
- (b) a copy of this article is served on the owner with the notice to treat.

(2) In such a case, the owner may, within the period of 21 days beginning with the day on which the notice is served, serve on the undertaker a counter-notice objecting to the sale of the land subject to the notice to treat that states that the owner is willing and able to sell the whole (the “land subject to the counter-notice”).

(3) If no such counter-notice is served within that period, the owner is required to sell the land subject to the notice to treat.

(4) If such a counter-notice is served within that period, the question whether the owner must be required to sell only the land subject to the notice to treat must, unless the undertaker agrees to take the land subject to the counter-notice, be referred to the Tribunal.

(5) If on such a reference the Tribunal determines that the land subject to the notice to treat can be taken—

- (a) without material detriment to the remainder of the land subject to the counter-notice; or
- (b) where the land subject to the notice to treat consists of a house with a park or garden, without material detriment to the remainder of the land subject to the counter-notice and without seriously affecting the amenity and convenience of the house,

the owner is required to sell the land subject to the notice to treat.

(6) If on such a reference the Tribunal determines that only part of the land subject to the notice to treat can be taken—

- (a) without material detriment to the remainder of the land subject to the counter-notice; or
- (b) where the land subject to the notice to treat consists of a house with a park or garden, without material detriment to the remainder of the land subject to the counter-notice and without seriously affecting the amenity and convenience of the house,

the notice to treat is deemed to be a notice to treat for that part.

(7) If on such a reference the Tribunal determines that—

- (a) the land subject to the notice to treat cannot be taken without material detriment to the remainder of the land subject to the counter-notice; but
- (b) the material detriment is confined to a part of the land subject to the counter-notice,

the notice to treat is deemed to be a notice to treat for the land to which the material detriment is confined in addition to the land already subject to the notice, whether or not the additional land is land that the undertaker is authorised to acquire compulsorily under this Order.

(8) If the undertaker agrees to take the land subject to the counter-notice, or if the Tribunal determines that—

- (a) none of the land subject to the notice to treat can be taken without material detriment to the remainder of the land subject to the counter-notice or, as the case may be, without material detriment to the remainder of the land subject to the counter-notice and without seriously affecting the amenity and convenience of the house; and
- (b) the material detriment is not confined to a part of the land subject to the counter-notice,

the notice to treat is deemed to be a notice to treat for the land subject to the counter-notice whether or not the whole of that land is land that the undertaker is authorised to acquire compulsorily under this Order.

(9) Where, by reason of a determination by the Tribunal under this article, a notice to treat is deemed to be a notice to treat for less land or more land than that specified in the notice, the undertaker may, within the period of 6 weeks beginning with the day on which the determination is made, withdraw the notice to treat; and, in that event, must pay the owner compensation for any loss or expense occasioned to the owner by the giving and withdrawal of the notice, to be determined in case of dispute by the Tribunal.

(10) Where the owner is required under this article to sell only part of a house, building or factory or of land consisting of a house with a park or garden, the undertaker must pay the owner compensation for any loss sustained by the owner due to the severance of that part in addition to the value of the interest acquired.

### **Rights under or over streets**

**28.—**(1) The undertaker may enter, and appropriate so much of the subsoil of or air-space over, any street within the Order limits as may be required for the purposes of the authorised project and

may use the subsoil or air-space for those purposes or any other purpose ancillary to the authorised project.

(2) Subject to paragraph (3), the undertaker may exercise any power conferred by paragraph (1) in relation to a street without being required to acquire any part of the street or any easement or right in the street.

(3) Paragraph (2) does not apply in relation to—

- (a) any subway or underground building; or
- (b) any cellar, vault, arch or other construction in, on or under a street that forms part of a building fronting onto the street.

(4) Subject to paragraph (5), any person who—

- (a) is an owner or occupier of land appropriated under paragraph (1) without the undertaker acquiring any part of that person's interest in the land; and
- (b) suffers loss as a result,

is entitled to compensation to be determined, in case of dispute, under Part 1 of the 1961 Act.

(5) Compensation is not payable under paragraph (4) to any person who is an undertaker to whom section 85 of the 1991 Act (sharing cost of necessary measures) applies in respect of measures of which the allowable costs are to be borne in accordance with that section.

### **Temporary use of land for carrying out authorised project**

**29.**—(1) The undertaker may, in connection with the carrying out of the authorised project enter, and take temporary possession of, the land specified in an entry in column (2) of Schedule 7 (land of which temporary possession may be taken) for the purpose specified in relation to that land in the corresponding entry in column (3) relating to the part of the authorised project specified in the corresponding entry in column (4) for the purpose of exercising the rights identified in Class 9 in the book of reference.

(2) Not less than 14 days before entering on and taking temporary possession of land under this article, the undertaker must serve notice of the intended entry on the owners and occupiers of the land.

(3) The undertaker may not, without the agreement of the owners of the land, remain in possession of any land under this article after the end of the period of 1 year beginning with the date of completion of the part of the authorised project specified in relation to that land in column (4) of Schedule 7.

(4) Before giving up possession of land of which temporary possession has been taken under this article, the undertaker must remove all temporary works and restore the land to its original condition, but the undertaker is required to replace a building removed under this article.

(5) The undertaker must pay compensation to the owners and occupiers of land of which temporary possession is taken under this article for any loss or damage arising from the exercise in relation to the land of any power conferred by this article.

(6) Any dispute as to a person's entitlement to compensation under paragraph (5), or as to the amount of the compensation, must be determined under Part 1 of the 1961 Act.

(7) Nothing in this article affects any liability to pay compensation under section 10(2) of the 1965 Act (further provision as to compensation for injurious affection) or under any other enactment in respect of loss or damage arising from the carrying out of the authorised project, other than loss or damage for which compensation is payable under paragraph (5).

(8) The undertaker may not compulsorily acquire under this Order the land referred to in paragraph (1).



(9) Where the undertaker takes possession of land under this article, the undertaker is not required to acquire the land or any interest in it.

(10) Section 13 of the 1965 Act<sup>(39)</sup> (refusal to give possession to acquiring authority) applies to the temporary use of land pursuant to this article to the same extent as it applies to the compulsory acquisition of land under this Order by virtue of section 125 of the 2008 Act (application of compulsory acquisition provisions).

### **Temporary use of land for maintaining authorised project**

**30.**—(1) Subject to paragraph (2), at any time during the maintenance period relating to any part of the authorised project, the undertaker may—

- (a) enter and take temporary possession of any land within the Order limits if such possession is reasonably required for the purpose of maintaining the authorised project; and
- (b) construct such temporary works (including the provision of means of access) and buildings on the land as may be reasonably necessary for that purpose.

(2) Paragraph (1) does not authorise the undertaker to take temporary possession of—

- (a) any house or garden belonging to a house; or
- (b) any building (other than a house) if it is for the time being occupied.

(3) Not less than 28 days before entering on and taking temporary possession of land under this article, the undertaker must serve notice of the intended entry on the owners and occupiers of the land.

(4) The undertaker may remain in possession of land under this article only for so long as may be reasonably necessary to carry out the maintenance of the part of the authorised project for which possession of the land was taken.

(5) Before giving up possession of land of which temporary possession has been taken under this article, the undertaker must remove all temporary works and restore the land to its original condition.

(6) The undertaker must pay compensation to the owners and occupiers of land of which temporary possession is taken under this article for any loss or damage arising from the exercise in relation to the land of the provisions of this article.

(7) Any dispute as to a person's entitlement to compensation under paragraph (6), or as to the amount of the compensation, must be determined under Part 1 of the 1961 Act.

(8) Nothing in this article affects any liability to pay compensation under section 10(2) of the 1965 Act (further provision as to compensation for injurious affection) or under any other enactment in respect of loss or damage arising from the maintenance of the authorised project, other than loss or damage for which compensation is payable under paragraph (6).

(9) Where the undertaker takes possession of land under this article, the undertaker is not required to acquire the land or any interest in it.

(10) Section 13 of the 1965 Act (refusal to give possession to acquiring authority) applies to the temporary use of land pursuant to this article to the same extent as it applies to the compulsory acquisition of land under this Order by virtue of section 125 of the 2008 Act (application of compulsory acquisition provisions).

(11) In this article, “maintenance period”, in relation to any part of the authorised project, means the period of 5 years beginning with the day on which that stage of the authorised project is brought into commercial operation.

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<sup>(39)</sup> Section 13 was amended by section 139 of, and paragraph 28(2) of Schedule 13 and Part 3 of Schedule 23 to, the Tribunals, Courts and Enforcement Act 2007 (c.15).

### Statutory undertakers

**31.**—(1) Subject to Parts 1 to 4 of Schedule 12 (protective provisions), the undertaker may—

- (a) acquire compulsorily the land belonging to statutory undertakers shown on the land plan within the Order limits and described in the book of reference;
- (b) extinguish the rights of, remove or reposition the apparatus belonging to, statutory undertakers within the Order limits; and
- (c) acquire compulsorily the new rights over land belonging to statutory undertakers within the Order limits and described in the book of reference.

(2) In this article, a reference to a statutory undertaker includes a reference to a public communications provider (as defined in article 32(3) (recovery of costs of new connections)).

### Recovery of costs of new connections

**32.**—(1) Where any apparatus of a public utility undertaker or a public communications provider is removed under article 31 (statutory undertakers), any person who is the owner or occupier of premises to which a supply was given from that apparatus is entitled to recover from the undertaker compensation in respect of expenditure reasonably incurred by that person, in consequence of the removal, for the purpose of effecting a connection between the premises and any other apparatus from which a supply is given.

(2) Paragraph (1) does not apply in the case of the removal of a public sewer, but where such a sewer is removed under article 31, any person who is—

- (a) the owner or occupier of premises, the drains of which communicated with that sewer; or
- (b) the owner of a private sewer that communicated with that sewer,

is entitled to recover from the undertaker compensation in respect of expenditure reasonably incurred by that person, in consequence of the removal, for the purpose of making the drain or sewer belonging to that person communicate with any other public sewer or with a private sewerage disposal plant.

(3) This article does not have effect in relation to apparatus to which Part 3 of the 1991 Act applies.

(4) In this article—

“public communications provider” has the same meaning as in section 151(1) of the Communications Act 2003<sup>(40)</sup>;

“public utility undertaker” has the same meaning as in the 1980 Act<sup>(41)</sup>.

### Application of landlord and tenant law

**33.**—(1) This article applies to—

- (a) an agreement for leasing to a person the whole or any part of the authorised project or the right to operate the same; and
- (b) an agreement entered into by the undertaker with a person for the construction, maintenance, use or operation of the authorised project, or any part of it,

so far as any such agreement relates to the terms on which land that is the subject of a lease granted by or under that agreement is to be provided for that person’s use.

(2) No enactment or rule of law regulating the rights and obligations of landlords and tenants prejudices the operation of an agreement to which this article applies.

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<sup>(40)</sup> 2003 (c.21).

<sup>(41)</sup> “Public utility undertakers” is defined in section 329.

(3) Accordingly, no such enactment or rule of law applies in relation to the rights and obligations of the parties to any lease granted by or under any such agreement so as to—

- (a) exclude or in any respect modify any of the rights and obligations of those parties under the terms of the lease, whether with respect to the termination of the tenancy or any other matter;
- (b) confer or impose on any such party any right or obligation arising out of or connected with anything done or omitted on or in relation to land that is the subject of the lease, in addition to any such right or obligation provided for by the terms of the lease; or
- (c) restrict the enforcement (whether by action for damages or otherwise) by any party to the lease of any obligation of any other party under the lease.

### **Special category land**

**34.**—(1) On the exercise by the undertaker of the order rights, so much of the special category land as is required for the purposes of the exercise of those rights is discharged from all rights, trusts and incidents to which it was previously subject, so far as their continuance would be inconsistent with the exercise of the order rights.

(2) In this article—

“order rights” means rights exercisable over the special category land by the undertaker under article 24 (compulsory acquisition of rights);

“special category land” means the land in the East Riding of Yorkshire identified in the book of reference and on the special category land plan attached to the land plan and—

- (a) forming part of Figham Common and numbered 99Aii, 99Bii, 100A, 100B, 101A, 101B, 102A, 102B, 103A, 103B, 104A and 104B;
- (b) forming open space and numbered 1Ai, 1Aii, 1Bi, 1Bii, 2i, 4Ai, 4Bi, 4Bii and 4Biii.

## **PART 6**

### **Miscellaneous and general**

#### **Railway and navigation undertakings**

**35.**—(1) Subject to the provisions of this article, the undertaker may not under article 13 (street works) break up or open a street where the street, not being a highway maintainable at public expense (within the meaning of the 1980 Act),—

- (a) is under the control or management of, or is maintainable by a railway undertaker or a navigation authority; or
- (b) forms part of a level crossing belonging to such an undertaker or authority or to any other person,

except with the consent of the undertaker or authority or, as the case may be, person to whom the level crossing belongs.

(2) Paragraph (1) does not apply to the carrying out under this Order of emergency works, within the meaning of Part 3 of the 1991 Act.

(3) A consent given for the purpose of paragraph (1) may be made subject to such reasonable conditions as may be specified by the person giving it, but must not be unreasonably withheld.

(4) In this article, “navigation authority” means any person who has a duty or power under any enactment to work, maintain, conserve, improve or control any canal or other inland navigation, navigable river, estuary or harbour.

### **Trees subject to tree preservation orders**

**36.**—(1) The undertaker may fell or lop any tree within the Order limits that is subject to a tree preservation order, or cut back its roots, if it reasonably believes it to be necessary to do so to prevent the tree from obstructing or interfering with the construction, maintenance or operation of the authorised project or any apparatus used in connection with the authorised project.

(2) In carrying out any activity authorised by paragraph (1)—

- (a) the undertaker must not do any unnecessary damage to any tree or shrub and must pay compensation to any person for any loss or damage arising from such activity; and
- (b) the duty contained in section 206(1) of the 1990 Act<sup>(42)</sup> (replacement of trees) does not apply.

(3) The authority given by paragraph (1) constitutes a deemed consent under the relevant tree preservation order.

(4) Any dispute as to a person’s entitlement to compensation under paragraph (2), or as to the amount of compensation, must be determined under Part 1 of the 1961 Act.

(5) In this article, “tree preservation order” has the same meaning as in section 198 of the 1990 Act.

### **Operational land for purposes of 1990 Act**

**37.** Development consent granted by this Order must be treated as specific planning permission for the purposes of section 264(3)(a) of the 1990 Act (cases in which land is to be treated as operational land for the purposes of that Act).

### **Felling or lopping of trees and removal of hedgerows**

**38.**—(1) The undertaker may fell or lop any tree or shrub near any part of the authorised project, or cut back its roots, if it reasonably believes it to be necessary to do so to prevent the tree or shrub from obstructing or interfering with the construction, maintenance or operation of the authorised project or any apparatus used in connection with the authorised project.

(2) In carrying out any activity authorised by paragraph (1), the undertaker must not do any unnecessary damage to any tree or shrub and must pay compensation to any person for any loss or damage arising from such activity.

(3) Any dispute as to a person’s entitlement to compensation under paragraph (2), or as to the amount of compensation, must be determined under Part 1 of the 1961 Act.

(4) The undertaker may remove any hedgerows within the Order limits that may be required to be removed for the purposes of carrying out the authorised development.

### **Deemed licences under Marine and Coastal Access Act 2009**

**39.** The following marine licences set out in Schedules 8 to 11 are deemed to have been issued under Part 4 of the 2009 Act (marine licensing) for the licensed activities specified in Part A of each licence and subject to the conditions specified in Part B of each licence—

- (a) Marine Licence 1 (set out in Schedule 8);

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<sup>(42)</sup> Section 206(1) was amended by paragraph 11 of Schedule 8 to the Planning Act 2008.

- (b) Marine Licence 2 (set out in Schedule 9);
- (c) Marine Licence 3 (set out in Schedule 10);
- (d) Marine Licence 4 (set out in Schedule 11).

### **Saving for Trinity House**

**40.** Nothing in this Order prejudices or derogates from any of the rights, duties or privileges of Trinity House.

### **Crown rights**

**41.**—(1) Nothing in this Order affects prejudicially any estate, right, power, privilege, authority or exemption of the Crown and in particular, nothing in this Order authorises the undertaker or any licensee—

- (a) to take, use, enter on or in any manner interfere with any land or rights of any description (including any portion of the shore or bed of the sea or any river, channel, creek, bay or estuary)—
  - (i) belonging to Her Majesty in right of the Crown and forming part of the Crown Estate without the consent in writing of the Crown Estate Commissioners;
  - (ii) belonging to Her Majesty in right of the Crown and not forming part of the Crown Estate without the consent in writing of the government department having the management of that land; or
  - (iii) belonging to a government department or held in trust for Her Majesty for the purposes of a government department without the consent in writing of that government department; or
- (b) to exercise any right under this Order compulsorily to acquire an interest in any land that is Crown land (as defined in section 227 of the 2008 Act) which is for the time being held otherwise than by or on behalf of the Crown without the consent in writing of the appropriate Crown authority (as defined in section 227 of that Act).

(2) Consent under paragraph (1) may be given unconditionally or subject to terms and conditions; and is deemed to have been given in writing where it is sent electronically.

### **Certification of plans and documents, etc.**

**42.**—(1) The undertaker must, as soon as practicable after the making of this Order, submit to the Secretary of State copies of—

- (a) the offshore Order limits and grid co-ordinates plan (comprising the offshore Order limits and grid co-ordinates plan amendment drawing no. F-OFC-MA-801, application reference 2.2, dated 3rd July 2014);
- (b) the onshore Order limits and grid co-ordinates plan (comprising the onshore Order limits and grid co-ordinates plan amendment sheets 1 and 2 drawing no. F-ONC-MA-801, dated 13th June 2014);
- (c) the book of reference (application reference 4.3, document no. F-EXC-RP-008, dated August 2014);
- (d) the land plan (comprising the following—
  - (i) onshore land plans, drawing no. PA-2500-LP-01-23 rev. 5, dated August 2013;
  - (ii) onshore land plan amendment sheet 1, drawing no. PA-2500-LP-01-23 rev. 7, dated July 2014;

- (iii) onshore land plan amendment sheet 3, drawing no. PA-2500-LP-01-23 rev. 6, dated June 2014;
- (iv) onshore land plan amendment sheet 4, drawing no. PA-2500-LP-01-23 rev. 6, dated June 2014;
- (v) onshore land plan amendment sheet 18, drawing no. PA-2500-LP-01-23 rev. 8, dated July 2014;
- (vi) onshore land plan amendment sheet 19 drawing no. PA-2500-LP-01-23 rev. 8, dated July 2014;
- (vii) onshore land plan amendment sheet 21, drawing no. PA-2500-LP-01-23 rev. 7, dated July 2014;
- (viii) onshore land plan amendment sheet 22, drawing no. PA-2500-LP-01-23 rev. 7, dated June 2014;
- (ix) onshore land plan amendment sheet 23, drawing no. PA-2500-LP-01-23 rev. 7, dated June 2014;
- (x) special category land plan amendment sheet 1, drawing no. PA-2500-SP-01-02 rev. 4, dated July 2014 and amendment sheet 2, drawing no. PA-2500-SP-01-02 rev. 3, dated July 2014);
- (e) the onshore works plans (comprising drawing no. F-ONC-MA-803, application reference 2.4.2, dated 14th August 2013 and the onshore works plans amendment sheets 22 and 23, drawing no. F-ONC-MA-803, dated 13th June 2014);
- (f) the offshore works plans (drawing no. F-OFC-MA-802, application reference 2.4.1, dated 14th August 2013);
- (g) the environmental statement (comprising all documents in the series application reference 6.1 to 6.30.5);
- (h) the draft landscaping scheme dated March 2014;
- (i) the outline code of construction practice (document no. F-EXC-RW-DVIII-App6, Deadline VIII – Appendix 6 – Revised CoCP, dated July 2014);
- (j) the draft fisheries liaison plan (document no. F-EXC-EQ-014-A3, Question 14 Appendix 3, Examining Authority’s First Written Questions, issue no. 2.0, dated March 2014);
- (k) the In Principle Monitoring Plan (document no. F-EXC-RW-DVIII-App5, Deadline VIII – Appendix 5 – updated In Principle Monitoring Plan, dated July 2014);
- (l) the outline maintenance plan (Responses to the Examining Authority’s First Written Questions – Question 130 Appendix 1 – outline offshore maintenance plan, dated March 2014);
- (m) the streets and public rights of way plan (drawing no. F-ONC-MA-807);
- (n) the access to works plan (drawing no. F-ONC-MA-805),

for certification that they are true copies of the documents referred to in this Order.

(2) A plan or document so certified is admissible in any proceedings as evidence of the contents of the plan or document of which it is a copy.

### **Protective provisions**

**43.** Schedule 12 (protective provisions) has effect.

### **Arbitration**

**44.** Any difference under any provision of this Order, unless otherwise provided for, must be referred to and settled by a single arbitrator to be agreed between the parties or, failing agreement, to be appointed on the application of either party (after giving notice in writing to the other) by the Secretary of State.

Signed by authority of the Secretary of State for Energy and Climate Change

17th February 2015

*Giles Scott*  
Head of National Infrastructure Consents  
Department of Energy and Climate Change

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## SCHEDULE 1

Articles 2 and 3

### Authorised project

## PART 1

### Authorised development

A nationally significant infrastructure project as defined in sections 14 and 15 of the 2008 Act<sup>(43)</sup> located in the Dogger Bank Zone comprising—

#### Project A offshore works

Work No. 1A—

- (a) an offshore wind turbine generating station with a gross electrical output capacity of up to 1.2 gigawatts comprising up to 200 wind turbine generators each fixed to the seabed by monopole, multi-leg or gravity base type foundations situated within the co-ordinates of the array area specified in Table 1A;

**Table 1A - Co-ordinates of array area**

<i>Point</i>	<i>Latitude (decimal degrees)</i>	<i>Longitude (decimal degrees)</i>
CBA-1	54.835241	1.633573
CBA-2	54.838412	2.174407
CBA-3	54.808700	2.227327
CBA-4	54.659286	1.976949
CBA-5	54.741685	1.632884

- (b) up to 7 offshore platforms comprising the following—
- (i) up to 4 offshore collector platforms situated within the co-ordinates of the array area specified in Table 1A and being fixed to the seabed by multi-leg or gravity base type foundations;
- (ii) 1 offshore converter platform situated within the co-ordinates of the array area specified in Table 1A and being fixed to the seabed by multi-leg or gravity base type foundations; and
- (iii) up to 2 offshore accommodation or helicopter platforms situated within the co-ordinates of the array area specified in Table 1A and being fixed to the seabed by multi-leg or gravity base type foundations,
- provided that any of the platforms comprised in Work No. 1A(b)(i) to (iii) may be co-joined to create a combined platform fixed to the seabed by multi-leg or gravity base type foundations;
- (c) up to 5 meteorological stations situated within the co-ordinates of the array area specified in Table 1A either fixed to the seabed by monopole, multi-leg or gravity base type foundations or utilising a floating support structure anchored to the seabed; and

<sup>(43)</sup> Section 14 was amended by article 2(2) of S.I. 2012/1645.



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- (d) a network of cables for the transmission of electricity and electronic communications laid on or beneath the seabed including cable crossings between—
  - (i) any of the wind turbine generators comprising Work No. 1A(a);
  - (ii) any of the wind turbine generators comprising Work No. 1A(a) and any of the works comprising Work No. 1A(b) or (c);
  - (iii) any of the works comprising Work No. 1A(b) and any of the works comprising Work No. 1A(c); and
  - (iv) the offshore converter platform comprising Work No. 1A(b)(ii) or the combined platforms referred to in Work No. 1A(b) and the export cable route in Work No. 2A.

Associated development within the meaning of section 115(2) of the 2008 Act comprising—

Work No. 2A – up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid on or beneath the seabed between the offshore converter platform comprising Work No. 1A(b)(ii) or the combined platforms referred to in Work No. 1A(b) and Work No. 3A including cable crossings and situated within the co-ordinates of the export cable corridor area specified in the offshore Order limits plan.

#### **Project A onshore works**

In the East Riding of Yorkshire—

Work No. 3A – up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid underground between MLWS and MHWS and connecting Work No. 2A with Work No. 4A.

Work No. 4A – up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid underground by way of horizontal directional drill between Work No. 3A at MHWS and the landfall transition joint bays forming Work No. 5A including the construction of haul roads.

Work No. 5A – landfall transition joint bays and horizontal directional drill launch pits, together with an associated landfall works construction compound, and up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid underground connecting Work No. 4A with Work No. 6A including the construction of haul roads.

Work No. 6A – up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid underground in ducts if necessary from Work No. 5A and running in a generally south-south-westerly direction for a distance of 30 kilometres to Work No. 7. Work No. 6A includes the construction of haul roads and construction access.

Work No. 8A – up to 3 export cables for the transmission of HVAC electricity, together with fibre-optic cables for the transmission of electronic communications, laid underground in ducts if necessary from the electrical converter substation and compound comprised in Work No. 7 and running in a southerly direction for a distance of approximately 2 kilometres to the connection bay within the National Grid substation connection works comprising Work No. 9A including the construction of haul roads.

Work No. 9A – National Grid substation connection works connecting Work No. 8A to the transmission network and comprising up to 3 export cables for the transmission of HVAC electricity, fibre-optic cables for the transmission of electronic communications,

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a connection bay within the National Grid substation incorporating isolation switchgear, circuit bay equipment, overhead tubular connectors and switching and measuring equipment located above and below ground.

In connection with Works No. 3A to 9A, the undertaker is granted development consent for the further associated development shown on the plans referred to in the Requirements, or approved pursuant to the Requirements, including—

- (a) ramps, means of access and footpaths;
- (b) bunds, embankments, swales, landscaping and boundary treatments;
- (c) habitat creation;
- (d) boreholes;
- (e) jointing bays, manholes and other works associated with cable laying including tunnelling works and horizontal directional drilling beneath watercourses, roads and other features;
- (f) water supply works, foul drainage provision and surface water management systems;
- (g) temporary structures to facilitate the crossing of watercourses including bailey bridges;
- (h) construction lay down areas and compounds and their restoration;
- (i) works to remove, reconstruct or alter the position of apparatus including mains, sewers, drains, cables and pipelines; and
- (j) 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 works assessed by the environmental statement.

**Project B offshore works**

Work No. 1B—

- (a) an offshore wind turbine generating station with a gross electrical output capacity of up to 1.2 gigawatts comprising up to 200 wind turbine generators each fixed to the seabed by monopole, multi-leg or gravity base type foundations situated within the co-ordinates of the array area specified in Table 1B;

**Table 1B - Co-ordinates of array area**

<i>Point</i>	<i>Latitude (decimal degrees)</i>	<i>Longitude (decimal degrees)</i>
CBB-1	55.074509	1.505499
CBB-2	55.078127	1.557882
CBB-3	55.100307	1.673135
CBB-4	55.102152	1.854982
CBB-5	54.859236	1.861874
CBB-6	54.870965	1.473897
CBB-7	54.968002	1.488779
CBB-8	54.971992	1.488363

- (b) up to 7 offshore platforms comprising the following—

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- (i) up to 4 offshore collector platforms situated within the co-ordinates of the array area specified in Table 1B and being fixed to the seabed by multi-leg or gravity base type foundations;
- (ii) 1 offshore converter platform situated within the co-ordinates of the array area specified in Table 1B and being fixed to the seabed by multi-leg or gravity base type foundations; and
- (iii) up to 2 offshore accommodation or helicopter platforms situated within the co-ordinates of the array area specified in Table 1B and being fixed to the seabed by multi-leg or gravity base type foundations,

provided that any of the platforms comprised in Work No. 1B(b)(i) to (iii) may be co-joined to create a combined platform fixed to the seabed by multi-leg or gravity base type foundations;

- (c) up to 5 meteorological stations situated within the co-ordinates of the array area specified in Table 1B either fixed to the seabed by monopole, multi-leg or gravity base type foundations or utilising a floating support structure anchored to the seabed; and
- (d) a network of cables for the transmission of electricity and electronic communications laid on or beneath the seabed including cable crossings between—
  - (i) any of the wind turbine generators comprising Work No. 1B(a);
  - (ii) any of the wind turbine generators comprising Work No. 1B(a) and any of the works comprising Work No. 1B(b) or (c);
  - (iii) any of the works comprising Work No. 1B(b) and any of the works comprising Work No. 1B(c); and
  - (iv) the offshore converter platform comprising Work No. 1B(b)(ii) or the combined platforms referred to in Work No. 1B(b) and the export cable route in Work No. 2BA or 2BC.

Associated development within the meaning of section 115(2) of the 2008 Act comprising—

Either—

- (a) Work No. 2BA – up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid on or beneath the seabed between the offshore converter platform comprising Work No. 1B(b)(ii) or the combined platforms referred to in Work No. 1B(b) and Work No. 2B including cable crossings and situated within the co-ordinates of the export cable corridor area specified in the offshore Order limits plan; or
- (b) Work No. 2BC – up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid on or beneath the seabed between the offshore converter platform comprising Work No. 1B(b)(ii) or the combined platforms referred to in Work No. 1B(b) and Work No. 1A, and between Work No. 1A and Work No. 2B, including cable crossings and situated within the co-ordinates of the export cable corridor area specified in the offshore Order limits plan; and

Work No. 2B – up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid on or beneath the seabed between Work No. 2BA or 2BC and Work No. 3B including cable crossings and situated within the co-ordinates of the export cable corridor area specified in the offshore Order limits plan.

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## **Project B onshore works**

In the East Riding of Yorkshire—

Work No. 3B – up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid underground between MLWS and MHWS and connecting Work No. 2B with Work No. 4B.

Work No. 4B – up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid underground by way of horizontal directional drill between Work No. 3B at MHWS and the landfall transition joint bays forming Work No. 5B including the construction of haul roads.

Work No. 5B – landfall transition joint bays and horizontal directional drill launch pits, together with an associated landfall works construction compound, and up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid underground connecting Work No. 4B with Work No. 6B including the construction of haul roads.

Work No. 6B – up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid underground in ducts if necessary from Work No. 5B and running in a generally south south-westerly direction for a distance of 30 kilometres to Work No. 7. Work No. 6B includes the construction of haul roads and construction access.

Work No. 8B – up to 3 export cables for the transmission of HVAC electricity, together with fibre-optic cables for the transmission of electronic communications, laid underground in ducts if necessary from the electrical converter substation and compound comprised in Work No. 7 and running in a southerly direction for a distance of 2 kilometres to the connection bay within the National Grid substation connection works comprising Work No. 9B including the construction of haul roads.

Work No. 9B – National Grid substation connection works connecting Work No. 8B to the transmission network and comprising up to 3 export cables for the transmission of HVAC electricity, fibre-optic cables for the transmission of electronic communications, a connection bay within the National Grid substation incorporating isolation switchgear, circuit bay equipment, overhead tubular connectors and switching and measuring equipment located above and below ground.

In connection with Works No. 3B to 9B, the undertaker is granted development consent for the further associated development shown on the plans referred to in the Requirements, or approved pursuant to the Requirements, including—

- (a) ramps, means of access and footpaths;
- (b) bunds, embankments, swales, landscaping and boundary treatments;
- (c) habitat creation;
- (d) boreholes;
- (e) jointing bays, manholes and other works associated with cable laying including tunnelling works and horizontal directional drilling beneath watercourses, roads and other features;
- (f) water supply works, foul drainage provision and surface water management systems;
- (g) temporary structures to facilitate the crossing of watercourses including bailey bridges;

- (h) construction lay down areas and compounds and their restoration;
- (i) works to remove, reconstruct or alter the position of apparatus including mains, sewers, drains, cables and pipelines; and
- (j) 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 works assessed by the environmental statement.

## **Shared works**

### *Offshore*

Work No. 2T – a temporary work area for vessels to carry out intrusive activities during construction, including vessels requiring anchor spreads alongside the cable corridors.

### *Onshore*

#### **In the East Riding of Yorkshire—**

Work No. 7 – up to 2 electrical converter substations and compounds for converting HVDC electricity carried by Works No. 6A and 6B to HVAC electricity, including landscaping.

Work No. 10A – access road to the north of Allison Lane (B1242) to provide construction and maintenance access from the public highway to the development site including up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid underground in ducts if necessary linking Work No. 5B to Work No. 7.

Work No. 10B – access road to the north of Grange Road to provide construction and maintenance access from the public highway to the development site including up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid underground in ducts if necessary linking Work No. 5B to Work No. 7.

Work No. 10C – access road to the north of the A1035 (east) to provide construction and maintenance access from the public highway to the development site including up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid underground in ducts if necessary linking Work No. 5B to Work No. 7.

Work No. 10D – access road to the south of the A1035 (west) to provide construction and maintenance access from the public highway to the development site including up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid underground in ducts if necessary linking Work No. 5B to Work No. 7.

Work No. 10E – access road to the north of Hull Road (A1174 east) to provide construction and maintenance access from the public highway to the development site including up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid underground in ducts if necessary linking Work No. 5B to Work No. 7.

Work No. 10F – access road to the south of Hull Road (A1174 west) to provide construction and maintenance access from the public highway to the development site including up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid underground in ducts if necessary linking Work No. 5B to Work No. 7.

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In connection with Works No. 7 and 10A to 10F, the undertaker is granted development consent for the further associated development shown on the plans referred to in the Requirements, or approved pursuant to the Requirements, including—

- (a) ramps, means of access and footpaths;
- (b) bunds, embankments, swales, landscaping and boundary treatments;
- (c) habitat creation;
- (d) boreholes;
- (e) jointing bays, manholes and other works associated with cable laying including tunnelling works and horizontal directional drilling beneath watercourses, roads and other features;
- (f) water supply works, foul drainage provision and surface water management systems;
- (g) temporary structures to facilitate the crossing of watercourses including bailey bridges;
- (h) construction lay down areas and compounds and their restoration;
- (i) works to remove, reconstruct or alter the position of apparatus including mains, sewers, drains, cables and pipelines; and
- (j) 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 works assessed by the environmental statement.

## PART 2

### Ancillary works

In relation to the Project A offshore works and the Project B offshore works, works comprising—

- (a) temporary landing places, moorings or other means of accommodating vessels in the construction or maintenance of the authorised development;
- (b) temporary or permanent buoys, beacons, fenders and other navigational warning or ship impact protection works;
- (c) temporary works for the protection of land or structures affected by the authorised development;
- (d) cable protection, scour protection or dredging;
- (e) cable route preparation works including boulder removal and obstruction clearance, dredging and pre-sweeping; and
- (f) the removal, reconstruction or alteration of the position of subsea cables and pipelines.

## PART 3

### Requirements

#### **Interpretation**

1. In this Part—

“CAA” means the Civil Aviation Authority;

“HAT” means highest astronomical tide;

“highway authority” means East Riding of Yorkshire Council;

“onshore works” means Works No. 3A, 3B, 4A, 4B, 5A, 5B, 6A, 6B, 7, 8A, 8B, 9A, 9B and 10A to 10F and any related associated development;

“stage” means each of the following stages of the onshore works which may be constructed in sequential order or otherwise—

Stage 1 – Works No. 3A, 4A and 5A;

Stage 2 – Works No. 3B, 4B and 5B;

Stage 3 – Works No. 6A, 8A and 10A, 10B, 10C, 10D, 10E and 10F;

Stage 4 – Works No. 6B, 8B and 10A, 10B, 10C, 10D, 10E and 10F;

Stage 5 – Work No. 7;

Stage 6 – Work No. 9A;

Stage 7 – Work No. 9B.

#### **Time limits**

2.—(1) Project A must be commenced on or before 11th March 2020.

(2) Project B must be commenced on or before 11th March 2020.

(3) The shared works must be commenced on or before 11th March 2020.

#### **Detailed offshore design parameters**

3. Foundation structures associated with wind turbine generators, offshore platforms and meteorological stations that are part of the authorised project must not have a cumulative total footprint on the seabed, including any scour protection employed and any drill-arising deposits, that is greater than 1.1498 square kilometres within each of Work No. 1A and Work No. 1B.

4.—(1) Subject to sub-paragraph (2), no wind turbine generator forming part of the authorised project must—

(a) exceed a height of 315 metres when measured from HAT to the tip of the vertical blade;

(b) exceed a rotor diameter of 215 metres;

(c) be less than a multiple of 6 times the rotor diameter from the nearest wind turbine generator in any direction being not less than 700 metres measured between turbines; or

(d) have a distance of less than 26 metres between the lowest point of the rotating blade of the wind turbine generator and the level of the sea at HAT.

(2) The wind turbine generators comprised in either Work No. 1A or 1B must be of such a size that if they were installed to the maximum permitted gross generating capacity specified for those works the total rotor-swept area for each Work No. would not exceed 4.35 square kilometres.

(3) Wind turbine generator and meteorological mast foundation structures forming part of the authorised project must be 1 of the following foundation options: monopole, multi-leg or gravity base.

(4) No wind turbine generator or meteorological mast foundation structure employing a footing of driven piles forming part of the authorised project must—

(a) have more than 6 driven piles;

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- (b) in the case of single pile structures, have a pile diameter of greater than 10 metres or employ a hammer energy during installation of greater than 3,000 kilojoules; or
  - (c) in the case of 2 or more pile structures, have a pile diameter of greater than 3.5 metres or employ a hammer energy during installation of greater than 2,300 kilojoules.
- (5) The foundations for wind turbine generators must be in accordance with the wave reflection coefficient values as set out at Fig 3.16 within Chapter 5 and Appendix 5.B of the environmental statement.
- (6) No wind turbine generator foundation must have a seabed footprint area of subsea scour protection (excluding foundation footprint) of more than 3,777 square metres.
- (7) The foundations for wind turbine generators and meteorological stations must not exceed the dimensions set out below—

<i>Foundation type (monopole, multi-leg or foundations)</i>	<i>Maximum width of main supporting structure in metres</i>	<i>Maximum seabed footprint area per foundation (excluding scour protection) in square metres</i>
Wind turbine generator and meteorological station foundation	61	2,376

- (8) The total seabed footprint area of subsea scour protection for wind turbine generator foundations (excluding foundation footprint) must not exceed 0.7554 square kilometres within each of Work No. 1A and Work No. 1B.
- (9) The volume of subsea scour protection material for wind turbine foundations within Work No. 1A and Work No. 1B must not exceed 1,084,800 cubic metres within each work number.
- (10) References to the location of a wind turbine generator are references to the centroid point at the base of the turbine.
- (11) No lattice tower forming part of a meteorological station must exceed a height of 315 metres above HAT.

**5.—(1)** The total number of offshore platforms forming part of the authorised project must not exceed 14 comprising—

- (a) up to 8 offshore collector platforms;
- (b) up to 2 offshore converter platforms;
- (c) up to 4 offshore accommodation or helicopter platforms,

provided that any of the platforms comprised in paragraphs (a) to (c) may be co-joined to create a combined platform fixed to the seabed by multi-leg or gravity base type foundations.

(2) The dimensions of any offshore collector platforms forming part of the authorised project (excluding towers, helicopter landing pads, masts and cranes) must not exceed 75 metres in length, 75 metres in width and 85 metres in height above HAT.

(3) The dimensions of any offshore converter platform forming part of the authorised project (excluding towers, helicopter landing pads, masts and cranes) must not exceed 125 metres in length, 100 metres in width and 105 metres in height above HAT.

(4) The dimensions of any offshore accommodation or helicopter platforms forming part of the authorised project (excluding towers, helicopter landing pads, masts and cranes) must not exceed 125 metres in length, 100 metres in width and 105 metres in height above HAT.

(5) The dimensions of any combined platform forming part of the authorised project (excluding towers, helicopter landing pads, masts and cranes) must not exceed the total footprint of the individual platforms incorporated within it.



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(6) Offshore platform foundation structures forming part of the authorised project must be 1 of the following foundation options: gravity base or multi-leg.

(7) No offshore platform foundation structure employing a footing of driven piles forming part of the authorised project must—

- (a) have more than 24 driven piles;
- (b) have a pile diameter of greater than 2.744 metres or employ a hammer energy during installation of greater than 1,900 kilojoules.

(8) No offshore platform foundation must have a seabed footprint area of subsea scour protection (excluding foundation footprint) of more than 8,742 square metres.

(9) The foundations for offshore platforms must not exceed the dimensions set out below—

<i>Foundation type</i>	<i>Offshore collector platform (multi-leg or gravity base foundation)</i>	<i>Offshore converter platform (multi-leg or gravity base foundation)</i>	<i>Offshore accommodation or helicopter platform (multi-leg or gravity base foundation)</i>
Maximum seabed footprint area per foundation (excluding scour protection) in square metres	5,625	12,500	12,500

6.—(1) Only 1 of Work No. 2BA and Work No. 2BC may be constructed.

(2) The number of HVDC cables within Works No. 2A and 3A must not exceed 2.

(3) The total length of HVDC cables within Works No. 1A, 2A, 3A and 4A must not exceed 420 kilometres.

(4) The number of HVDC cables within Works No. 2B, 2BA, 2BC and 3B must not exceed 2.

(5) The total length of HVDC cables within Works No. 1B, 2B, 2BA, 2BC, 3B and 4B must not exceed 378 kilometres.

(6) The length of HVAC cables comprising Work No. 1A must not exceed 1,270 kilometres, and the length of cables comprising Work No. 1B must not exceed 1,270 kilometres.

(7) The length of HVAC cables comprising Work No. 1A or 1B in Marine Licences 1 and 2 must not exceed 950 kilometres.

(8) The length of HVAC cables comprising Work No. 1A or 1B in Marine Licences 3 and 4 must not exceed 320 kilometres.

(9) The total export cable protection (excluding cable crossings) must not exceed an area of 1.3391 square kilometres within the Project A offshore works and 1.2217 square kilometres within the Project B offshore works or a volume of 1,302,200 cubic metres within the Project A offshore works and 1,188,090 cubic metres within the Project B offshore works.

(10) No cable protection must be employed within 350 metres seaward of MLWS, measured as a straight line.

(11) The total cable protection for HVAC inter-array cables and HVAC inter-platform cables (excluding cable crossings) must not exceed an area of 1.5554 square kilometres or a volume of 1,190,000 cubic metres within Work No. 1A and must not exceed an area of 1.5554 square kilometres or a volume of 1,190,000 cubic metres within Work No. 1B.

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(12) Cable protection must be limited to 10% of the cumulative length of all cables laid between MLWS and the 10-metre depth contour as measured against lowest astronomical tide before the commencement of construction.

### **Layout rules**

7.—(1) The positions of wind turbine generators and offshore platforms must be arrayed in accordance with parameters applicable to Works No. 1A and 1B specified in Requirement 4 and the principles within section 5.2 of Chapter 5 of the environmental statement.

(2) No construction of any wind turbine generator or offshore platform forming part of the Project A offshore works must commence until the MMO, following consultation with the MCA, has approved the general layout arrangements for the Project A offshore works. These general layout arrangements must specify the physical point of connection between generation and transmission assets for Project A.

(3) No construction of any wind turbine generator or offshore platform forming part of the Project B offshore works must commence until the MMO, following consultation with the MCA, has approved the general layout arrangements for the Project B offshore works. These general layout arrangements must specify the physical point of connection between generation and transmission assets for Project B.

(4) The construction of the wind turbine generators and offshore platforms must be carried out as approved.

### **Aviation lighting**

8.—(1) The boundaries of each project must be marked by lighting wind turbine generators forming part of the authorised development. These must be illuminated day and night by a light with a luminous intensity of at least 2,000 candelas or infrared lighting.

(2) Sub-paragraph (1) does not apply to the illumination of any wind turbine generator in respect of which the Secretary of State following consultation with the Ministry of Defence dispenses with the requirement, or specifies alternative lighting requirements, in writing.

9. The undertaker must exhibit such lights, with such shape, colour and character as are required by the Air Navigation Order 2009(44), or as directed by the CAA.

### **Offshore decommissioning**

10. No offshore works must commence until a written decommissioning programme, including addressing the possibility of abandonment or decay, in compliance with any notice served on the undertaker by the Secretary of State pursuant to section 105(2) of the 2004 Act(45) has been submitted to the Secretary of State for approval.

### **Stages of authorised development onshore**

11.—(1) The onshore works must not commence until a written scheme setting out the phasing of construction of each stage of the onshore works has been submitted to and approved in writing by the relevant planning authority.

(2) The onshore works must be carried out in accordance with the approved scheme.

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(44) S.I. 2009/3015.

(45) Section 105(2) was substituted by section 69(3) of the Energy Act 2008 (c.32).

### **Detailed design approval onshore**

**12.**—(1) Except where the onshore works are carried out in accordance with the plans (or relevant parts of the plans) listed in sub-paragraph (1) of Requirement 13, no stage of the onshore works must commence until details of the layout, scale, levels and external appearance of the onshore works have been submitted to and approved in writing by the relevant planning authority. This must include a section showing cable depths for Works No. 4A, 5A, 4B and 5B.

(2) The onshore works must be carried out in accordance with the approved details.

(3) No building (excluding lightning protection) forming part of Work No. 7 must exceed 20 metres in height above the existing ground level. Ground level is defined for this purpose as 14.5 metres above ordnance datum (AOD).

(4) The width of the corridor occupied by the grid connection comprising Works No. 6A and 6B, and any related associated development once constructed must not exceed 36 metres, except—

- (a) for the temporary construction compounds shown on the works plans, in which case the width of the corridor must not exceed the width of the temporary construction compounds set out in the environmental statement project description;
- (b) where major drilling is proposed, in which case the width of the corridor occupied by the grid connection comprising Works No. 6A and 6B must not exceed 53 metres; or
- (c) where drilling under Figham Common is required, in which case the width of the corridor occupied by the grid connection comprising Works No. 6A and 6B must not exceed 70 metres.

(5) The width of the corridor occupied by the grid connection comprising Works No. 8A and 8B and any related associated development once constructed must not exceed 38 metres, except for the temporary construction compounds shown on the works plans, in which case the width of the corridor must not exceed the width of the temporary construction compounds set out in the environmental statement project description.

**13.**—(1) The onshore works must be carried out in accordance with the following plans submitted with the application—

- (a) the onshore Order limits plan; and
- (b) the onshore works plans.

(2) Sub-paragraph (1) does not apply—

- (a) to the extent that any part of a plan referred to that sub-paragraph is indicative or expressly states that it does not show details for approval; or
- (b) where details in such a plan are amended with the written approval of the relevant planning authority; and such approval may be given only in relation to immaterial changes that are within the scope of the works assessed in the environmental statement and fall within the Order limits.

(3) Where amended details are approved pursuant to this Requirement, those details are deemed to be substituted for the corresponding details previously approved.

### **Provision of landscaping**

**14.**—(1) No stage of the onshore works must commence until a written landscaping scheme and associated work programme in relation to each stage of the onshore works has been submitted to and approved in writing by the relevant planning authority.

(2) Each landscaping scheme must be drawn up in accordance with the relevant measures contained within the draft landscaping scheme and include details of all proposed hard and soft landscaping works, including—

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- (a) location, number, species, size and planting density of any proposed planting, including any trees;
- (b) cultivation, importing of materials and other operations to ensure plant establishment;
- (c) proposed finished ground levels;
- (d) minor structures, such as furniture, refuse or other storage units, signs and lighting;
- (e) proposed and existing functional services above and below, ground, including drainage, power and communications cables and pipelines, manholes and supports;
- (f) details of existing trees to be retained, with measures for their protection during the construction period;
- (g) retained historic landscape features and proposals for restoration, where relevant; and
- (h) implementation timetables for all landscaping works.

### **Implementation and maintenance of landscaping**

**15.**—(1) All landscaping works must be carried out in accordance with the written landscaping scheme approved under Requirement 14 (provision of landscaping) and to a reasonable standard in accordance with the relevant recommendations of appropriate British Standards or other recognised codes of good practice.

(2) Any tree or shrub planted as part of an approved landscaping scheme that, within a period of 5 years after planting, is removed, dies or becomes, in the opinion of the relevant planning authority, seriously damaged or diseased, must be replaced in the first available planting season with a specimen of the same species and size as that originally planted.

### **Fencing and other means of enclosure**

**16.**—(1) No stage of the onshore works must commence until written details of all proposed permanent and temporary fences, walls or other means of enclosure for that stage have been submitted to and approved in writing by the relevant planning authority.

(2) All construction sites must remain securely fenced at all times during construction of the onshore works.

(3) Any temporary fencing must be removed on completion of the relevant work.

(4) Any approved permanent fencing in relation to Work No. 7 must be completed before the relevant work is brought into use.

(5) Fencing, walls and other means of enclosure must be provided in accordance with the approved details.

### **Highway accesses**

**17.**—(1) No stage of the onshore works must commence until, for that stage, written details of the siting, design, layout and any access management measures for any new permanent or temporary means of access to a highway to be used by vehicular traffic, or any alteration to an existing means of access to a highway used by vehicular traffic, has, after consultation with the highway authority, been submitted to and approved in writing by the relevant planning authority.

(2) The highway accesses must be constructed in accordance with the approved details.

(3) No stage of the onshore works must be brought into commercial operation until, for that stage, written details identifying the routes and accesses for operational maintenance has, following consultation with the highway authority, been submitted to and approved in writing by the relevant planning authority.

### **Surface and foul water drainage**

**18.**—(1) No stage of the onshore works must commence until written details of the surface and (if any) foul water drainage system (including means of pollution control) for that stage have, following consultation with the relevant sewerage and drainage authorities and the Environment Agency, been submitted to and approved in writing by the relevant planning authority.

(2) The surface water drainage works must restrict surface water discharge to no more than the greenfield run off rate (1.4 litres per second per hectare) in line with the recommendations of the Flood Risk Assessment (Appendix B to Chapter 24 of the environmental statement).

(3) The submitted details must—

- (a) provide information about the design storm period and intensity, the method employed to delay and control the surface water discharged from the site (surface water drainage scheme);
- (b) include a timetable for implementation (foul and surface water schemes); and
- (c) provide a management and maintenance plan for the lifetime of the proposed schemes (foul and surface water management).

(4) The surface and foul water drainage systems must be constructed, managed and maintained in accordance with the approved details and the timing and phasing arrangements embodied within the approved written details.

**19.**—(1) Work No. 7 must not commence until a detailed scheme addressing the matters referred to in sub-paragraph (2) has been submitted to and approved in writing by the relevant planning authority following consultation with the Environment Agency.

(2) The scheme must take account of the mitigation measures in relation to operational activities at the converter station site, as detailed within section 7 of Chapter 24 of the environmental statement, and must include—

- (a) details of any proposed underground oil separators, including the full structural details of the installation and the mitigation to be embedded into the design of the installation in order to protect ground and surface waters;
- (b) details of the proposed storage bund installations, including full structural details of the installation and the mitigation to be embedded into the design of the installation in order to protect ground and surface waters; and
- (c) an emergency plan, including provisions to ensure that controlled waters are protected in an emergency event.

(3) The scheme must be implemented as approved in writing by the relevant planning authority.

### **Archaeology**

**20.**—(1) No stage of the onshore works must commence until the implementation of a programme of archaeological work has been secured in relation to that stage in accordance with a written scheme of archaeological investigation that has been submitted to and approved in writing by the relevant planning authority.

(2) The scheme must—

- (a) set out a pre-construction programme of archaeological evaluation that defines the extent, character and significance of archaeological sites and the extent of areas that do not require detailed excavation. The results of the evaluation will inform subsequent mitigation strategies;
- (b) set out the programme and methodology for site investigation and recording;

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- (c) set out provision for the monitoring of geotechnical test pits in areas of significance as defined by the archaeological evaluation;
- (d) set out the programme for post-investigation assessment, the results of which will inform the scope of analysis;
- (e) provide for analysis of the site investigation and recording;
- (f) provide for publication and dissemination of the analysis and records of the site investigation;
- (g) nominate a competent person or organisation to undertake the works set out within the written scheme of investigation; and
- (h) set out provision for the notification in writing to the Curatorial Officer of the Humber Archaeology Partnership of the commencement of archaeological works and the opportunity to monitor such works.

(3) No stage of the onshore works must commence until in relation to the relevant work the relevant site investigation has been completed as approved, and such completion has been approved in writing by the relevant planning authority.

(4) No stage of the onshore works must be brought into commercial operation (excluding commissioning) until the site investigation and post-investigation assessment have been completed in accordance with the programme in the approved scheme and the provision made for analysis, publication and dissemination of results and archive deposition has been secured.

(5) The written scheme in relation to the relevant work must be carried out as approved by the relevant planning authority.

### **Ecological management plan**

**21.**—(1) No stage of the onshore works must commence until a written ecological management plan for the onshore works reflecting the survey results and ecological mitigation and enhancement measures included in the environmental statement for that stage has been submitted to and approved in writing by the relevant planning authority following consultation with the relevant statutory nature conservation body.

(2) The ecological management plan must include an implementation timetable and must be carried out as approved by the relevant planning authority.

### **Code of construction practice, etc.**

**22.**—(1) No stage of the onshore works must commence until a code of construction practice (“CoCP”) in accordance with the outline code of construction practice has been submitted to and approved in writing by the relevant planning authority for that stage of the onshore works.

(2) The CoCP must be written to reflect and ensure delivery of the construction phase mitigation measures included within the environmental statement and must include consideration of, but not be limited to, the following matters during construction of the onshore works—

- (a) construction noise and vibration management;
- (b) air quality including dust management;
- (c) sustainable waste management during construction;
- (d) traffic management and materials storage on site;
- (e) the mechanism for the public to communicate with the construction teams, including contact details;
- (f) land use and agriculture, including the management, excavation and removal of soils, land drainage, land quality and biosecurity;

- (g) management of water resources (surface water and groundwater) including details of surface water and drainage in accordance with the details provided under Requirement 18 (surface and foul water drainage);
- (h) plans for public and private access across the development Order limits, including details of the temporary re-routing of public rights of way during the construction of the authorised development including the provision of signage and other information alerting the public to the construction works and any re-routing;
- (i) management and mitigation of artificial light emissions; and
- (j) details of emergency procedures during construction.

(3) No stage of the onshore works must commence until, for that stage, a method statement for the crossing of watercourses that includes a scheme and programme (including a timescale) for any crossing, diversion and reinstatement of a designated main river or ordinary watercourse has been submitted to and, after consultation with the Environment Agency, internal drainage board and the lead local flood authority, approved in writing by the relevant planning authority.

(4) The designated main river or ordinary watercourse must be crossed, diverted and subsequently reinstated in accordance with the approved scheme and programme.

(5) Unless otherwise permitted in the method statement, throughout the period of construction, all ditches, watercourses, field drainage systems and culverts must be maintained such that the flow of water is not impaired or the drainage onto and from adjoining land rendered less effective.

### **Construction environmental management plan**

**23.**—(1) Before commencement of each stage of the onshore works, a construction environmental management plan (“CEMP”) for that stage, drafted in accordance with the principles set out in the approved CoCP and method statement referred to in sub-paragraph (2) of Requirement 22 (code of construction practice, etc.), must be submitted to and approved in writing by the relevant planning authority.

(2) All remediation, construction and commissioning works must be undertaken in accordance with the CoCP and CEMP or any variation or replacement previously approved in writing by the relevant planning authority for that stage of the onshore works.

### **Construction hours**

**24.**—(1) Construction work for the onshore works and any construction-related traffic movements to or from the site of the relevant work must not take place other than between 7 a.m. and 7 p.m. on Monday to Friday and 7 a.m. and 1 p.m. on Saturday (with no activity on Sundays or public or bank holidays) except—

- (a) where continuous periods of operation are required, such as concrete pouring and drilling;
- (b) for the delivery of abnormal loads to the onshore works, which may cause congestion on the local road network;
- (c) where works are being carried out on the foreshore;
- (d) where works are required to be carried out in an emergency; or
- (e) as otherwise agreed in writing with the relevant planning authority as required outside of these hours pursuant to details submitted and approved under any other Requirement.

(2) All construction operations that are to be undertaken outside the hours specified in sub-paragraph (1) must be agreed with the relevant planning authority in writing in advance, and must be carried out within the times agreed with the relevant planning authority.

### **Control of noise during operational phase**

**25.**—(1) The noise emanating from the operation of Work No. 7 (including transformers, cooling fans, switch gear and power lines) must each or together not exceed operational noise levels of 35 decibels as given in BS4142 at the nearest receptors identified on the works plans as follows (with grid references shown as easting: northing)—

- (a) Halfway House (504796; 436331);
- (b) Model Farm (504011; 436576);
- (c) Poplar Farm (503727; 435672); and
- (d) Wanlass Farm (504385; 435168).

(2) Noise measurements must be undertaken in free field conditions and expressed as 5 minute L(A)r values.

(3) All standby generator testing in relation to the onshore works must be undertaken between 9 a.m. and 5 p.m. on Monday to Saturday, and not at all on Sundays or public or bank holidays, unless otherwise agreed in writing with the relevant planning authority.

(4) To avoid doubt, the grid references in sub-paragraph (1) are approximate and are not intended to provide the position of any noise-monitoring locations.

### **Control of artificial light emissions**

**26.**—(1) Work No. 7 must not be brought into operation until a written scheme for the management and mitigation of artificial light emissions during the operation of Work No. 7 has been submitted to and approved in writing by the relevant planning authority following consultation with the relevant statutory nature conservation body.

(2) The approved scheme for the management and mitigation of artificial light emissions must be implemented and maintained during the operation of the onshore works.

### **Construction-phase traffic management plan**

**27.**—(1) No stage of the onshore works must commence until written details of a construction-phase traffic management plan (“CTMP”), including port-related traffic, to be used for the management of construction traffic has been submitted to and approved in writing by the relevant planning authority following consultation with the local highway authority for the area within which the port is located.

(2) The CTMP must include details (including agreed routes) for abnormal indivisible loads (“AILs”) that will be delivered by road (or confirmation that no AILs will be required for construction of the authorised project), and the approved details must be adhered to at all times during the time when AILs are to be transported to or from the authorised project by road.

(3) Notices must be erected and maintained throughout the period of construction at construction site exits, in accordance with the CTMP, indicating to drivers the routes agreed by the relevant planning authority for traffic entering and leaving sites.

(4) The CTMP must be in accordance with the details submitted within the CoCP.

(5) The CTMP must be implemented on commencement of the relevant stage of construction works as approved.

### **European protected species: onshore**

**28.**—(1) No stage of the onshore works must commence until final pre-construction survey work has been carried out to establish whether a European protected species is present on any of the land



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affected, or likely to be affected, by any part of the onshore works or in any of the trees to be lopped or felled as part of the onshore works.

(2) Where a European protected species is shown to be present, the stage of the onshore works likely to affect the species must not commence until, after consultation with the relevant statutory nature conservation body and the Secretary of State for the Environment, Food and Rural Affairs, a scheme of protection and mitigation measures has been submitted to and approved in writing by the relevant planning authority.

(3) The onshore works must be carried out in accordance with the approved scheme.

(4) In this Requirement, “European protected species” has the meaning given in regulation 40 of the Conservation of Habitats and Species Regulations 2010(46).

### **Restoration of land used temporarily for construction**

29. Subject to article 29 (temporary use of land for carrying out authorised project), any land landward of MLWS within the Order limits that is used temporarily for constructing the onshore works, and not ultimately incorporated in permanent works or approved landscaping, must be reinstated to its former condition, or such condition as the relevant planning authority may approve, within 6 months of completion of the relevant stage of the onshore works, or if later by the end of the next available planting season.

### **Interference with telecommunications**

30.—(1) The undertaker must submit to the relevant planning authority for approval a scheme to rectify the situation in the event that the operation of the onshore works gives rise to interference with telecommunications or television equipment at nearby residential properties.

(2) The scheme must provide for the investigation by a qualified independent television engineer of any complaint of interference with television reception at a lawfully occupied property (defined for the purposes of this Requirement as a building within use classes C3 and C4 of the Town and Country Planning (Use Classes) Order 1987(47) that lawfully exists or had planning permission at the date on which this Order is made, where such complaint is notified to the undertaker by the relevant planning authority within 12 months of commercial operation.

(3) Where impairment is determined by the qualified television engineer to be attributable to the authorised project, mitigation works must be carried out in accordance with the approved scheme.

### **Onshore decommissioning**

31.—(1) No later than 3 months before the cessation of commercial operation of the onshore works (in whole or in part), the undertaker must submit to the relevant planning authority for approval a scheme for the demolition and removal of the onshore works (in whole or in part), stating the final proposed condition of the relevant land including a proposed timetable.

(2) The proposed scheme must be based on the onshore decommissioning statement submitted with the application, and decommissioning must be carried out as approved.

### **Emergency response plan**

32.—(1) Construction of Works No. 9A or 9B must not commence until an emergency response plan relating to the construction and operation of that stage of the onshore works has been submitted for approval by the relevant planning authority following consultation with National Grid Electricity Transmission plc.

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(46) S.I. 2010/490.

(47) S.I. 1987/764, amended by S.I. 2010/653. There are other amendments that are not relevant to this Order.

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(2) The emergency plan must be carried out as approved.

### Amendments to approved details

**33.**—(1) Where a Requirement requires the authorised development to be carried out in accordance with details approved by the relevant planning authority or another person, the approved details must be taken to include any amendments that have been approved in writing by the relevant planning authority or other person.

(2) Any amendment to or variation from the approved details must be in accordance with the principles and assessments set out in the environmental statement.

## SCHEDULE 2

Article 13

### Streets subject to street works

<i>(1)</i> <i>Extent of works shown by 2 reference points on the streets and public rights of way plan</i>	<i>(2)</i> <i>Description of street subject to works</i>	<i>(3)</i> <i>Co-ordinate X</i>	<i>(4)</i> <i>Co-ordinate Y</i>
R01A to R01B	Allison Lane	515819	456888
R02A to R02B	Barbriggs Lane	514782	455729
R03A to R03B	Skipsea Road	513687	454370
R04A to R04B	Dunnington Lane	513680	452890
R05A to R05B	Beverley Road (A165)	513278	452611
R06A to R06B	Grange Road	512239	451339
R07A to R07B	Moortown Road	511373	449791
R08A to R08B	Frodingham Road	511297	449433
R09A to R09B	Mill Lane	509729	448810
R10A to R10B	New Road	508720	448215
R11A to R11B	A1035	507872	442158
R12A to R12B	Carr Lane	507139	439611
R13A to R13B	Hull Road (A1174)	505778	437662
R14A to R14B	Long Lane	505045	436825
R15A to R15B	A1079	503935	436011

## SCHEDULE 3

Article 14

## Streets to be temporarily stopped up

<i>(1)</i> <i>Extent of works shown by 2 reference points on the streets and public rights of way plan</i>	<i>(2)</i> <i>Description of street to be temporarily stopped up</i>	<i>(3)</i> <i>Co-ordinate X</i>	<i>(4)</i> <i>Co-ordinate Y</i>
R02A to R02B	Barbriggs Lane	514782	455729
R04A to R04B	Dunnington Lane	513680	452890
R07A to R07B	Moortown Road	511373	449791
R08A to R08B	Frodingham Road	511297	449433
R10A to R10B	New Road	508720	448215
R12A to R12B	Carr Lane	507139	439611
01a to 01b	Ulrome footpath no. 6	517038	458116
02a to 2b	Ulrome footpath no. 2	516449	457335
03a to 3b	Ulrome footpath no. 4	515639	456727
04a to 4b	Beeford footpath no. 6	513682	454413
05a to 5b	Brandesburton footpath no. 6	510774	449166
06a to 6b	Brandesburton footpath no. 15	509388	448668
07a to 7b	Leven footpath no. 4	508538	444983
08a to 8b	Tickton bridleway no. 5	507067	440975
09a to 9b	Tickton footpath no. 6	507121	440964
10a to 10b	Tickton footpath no. 7	507027	440416
11a to 11b	Tickton footpath no. 9	507135	438531
12a to 12b	Tickton footpath no. 12	506629	438217
13a to 13b	Beverley footpath no. 23	506580	438206
14a to 14b	Wilberforce Way	506342	438106
15a to 15b	Woodmansey footpath no. 4	504697	436214
19a to 19b	Skidby footpath no. 12	504526	435466
20a to 20b	Skidby footpath no. 12	504559	435252
21a to 21b	Skidby footpath no. 11	504556	435171
22a to 22b	Skidby footpath no. 11	504760	435073
23a to 23b	Skidby footpath no. 10	504704	434993

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## SCHEDULE 4

Article 15

## Access to works

<i>(1)</i> <i>Reference shown on access to works plan</i>	<i>(2)</i> <i>Description of street</i>	<i>(3)</i> <i>Co-ordinate X</i>	<i>(4)</i> <i>Co-ordinate Y</i>
A	Allison Lane (north)	515858	456861
B	Allison Lane (east)	515910	456816
C	Allison Lane (west)	515766	456930
D	Skipsea Road	513701	454372
E	Dunnington Lane	513699	452889
F	Grange Road (north)	512289	451305
G	Grange Road (east)	512293	451297
H	Grange Road (west)	512186	451376
I	A1035 (east)	508335	442223
J	A1035 (west)	508050	442148
K	Hull Road (A 1174 east)	505863	437638
L	Hull Road (A 1174 west)	505455	437813
M	Long Lane	505074	436809
N	Park Lane (north)	504379	436976
O	A1079	504106	435938

## SCHEDULE 5

Article 24

## Land over which only new rights may be acquired

<i>(1)</i> <i>Plot reference number shown on land plan</i>	<i>(2)</i> <i>Purpose for which rights over land may be acquired</i>
1Bi, 1Bii, 4Bi, 4Bii, 4Biii, 16B, 19B, 21B, 23B, 29B, 32B, 34B, 36B, 41B, 49B, 56B, 58B, 60B, 62B, 64B, 66B, 72B, 74B, 76B, 83B, 84B, 85B, 90B, 88B, 98B, 99Bi, 99Bii, 100B, 101B, 102B, 103B, 104B, 109B, 117B, 120B, 121B	New right for the installation, inspection, maintenance, renewal, repair, replacement and use of 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications for the benefit of Bizco 4
152	New right for the installation, inspection, maintenance, renewal, repair, replacement and use of up to 3 export cables for the transmission of HVAC electricity, together with fibre-

<i>(1)</i> <i>Plot reference number shown on land plan</i>	<i>(2)</i> <i>Purpose for which rights over land may be acquired</i>
	optic cables for the transmission of electronic communications for the benefit of Bizco 4
153, 154, 155, 156, 157B, 159, 161, 162	New right for the construction of a new connection bay within the National Grid substation containing isolation switchgear and electrical equipment for the connection of the export cable to the transmission network for the benefit of Bizco 4
1Ai, 1Aii, 2i, 4Ai, 16A, 19A, 21A, 23A, 29A, 32A, 34A, 36A, 41A, 49A, 56A, 58A, 60A, 62A, 64A, 66A, 72A, 74A, 76A, 83A, 84A, 85A, 88A, 90C, 98A, 99Ai, 99Aii, 100A, 101A, 102A, 103A, 104A, 109A, 117A, 120A, 121A	New right for the installation, inspection, maintenance, renewal, repair, replacement and use of 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications for the benefit of Bizco 1
151, 157C	New right for the installation, inspection, maintenance, renewal, repair, replacement and use of up to 3 export cables for the transmission of HVAC electricity, together with fibre-optic cables for the transmission of electronic communications for the benefit of Bizco 1
157A, 157E, 165i, 166, 167, 168, 169, 170	New right for the construction of a new connection bay within the National Grid substation containing isolation switchgear and electrical equipment for the connection of the export cable to the transmission network for the benefit of Bizco 1
13E, 14, 15, 39E, 40, 81E, 82, 86, 87E, 87F, 87G, 87H, 87I, 107E, 107F, 108, 112E, 113	New right for the installation, inspection, maintenance, renewal, repair and replacement of 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications for the benefit of Bizco 1 and Bizco 4
137i, 137ii, 139, 140, 141, 142, 143, 144, 145	New right for— 1) the inspection, maintenance, renewal, repair and replacement of 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications; 2) the inspection, maintenance, renewal, repair and replacement of up to 3 export cables for the transmission of HVAC electricity, together with fibre-optic cables for the transmission of electronic communications; and

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<i>(1)</i> <i>Plot reference number shown on land plan</i>	<i>(2)</i> <i>Purpose for which rights over land may be acquired</i>
	3) the inspection, maintenance, renewal, repair and replacement of the converter stations in each case for the benefit of Bizco 1 and Bizco 4
130	New right for the installation, inspection, maintenance, renewal, repair, replacement and use of 2 export cables for the transmission of HVAC electricity, together with fibre-optic cables for the transmission of electronic communications for the benefit of Bizco 1 and Bizco 4
133, 134, 135, 137ii	New right for the installation, inspection, maintenance, renewal, repair and replacement of up to 3 export cables for the transmission of HVAC electricity, together with fibre-optic cables for the transmission of electronic communications for the benefit of Bizco 1 and Bizco 4
158, 160, 164, 165ii, 165iii, 172, 173, 174, 175	New right for the inspection, maintenance, renewal, repair and replacement of the new connection bay within the National Grid substation for the benefit of Bizco 1 and Bizco 4
138	New right for landscaping together with the inspection, maintenance, renewal, repair and replacement of 2 export cables for the transmission of HVDC electricity, together with fibre-optic cable for the transmission of electronic communications for the benefit of Bizco 1 and Bizco 4
112C	New right for the installation, inspection, maintenance, renewal, repair and replacement of 2 export cables for the transmission of HVDC electricity, together with fibre-optic cable for the transmission of electronic communications for the benefit of Bizco 1
157B	New right for the construction of a new connection bay within the National Grid substation containing isolation switchgear and electrical equipment for the connection of the export cable to the transmission network for the benefit of Bizco 1
13C, 39C, 81C, 87C, 90A, 107C	New right for the installation, inspection, maintenance, renewal, repair and replacement of 2 export cables for the transmission of HVDC electricity, together with fibre-optic cable for the

(1) Plot reference number shown on land plan	(2) Purpose for which rights over land may be acquired
	transmission of electronic communications for the benefit of Bizco 4

## SCHEDULE 6

Article 24

Modification of compensation and compulsory purchase enactments for creation of new rights

### Compensation enactments modified

1. The enactments for the time being in force with respect to compensation for the compulsory purchase of land apply, with all necessary modifications as respects compensation, in the case of a compulsory acquisition under this Order of a right by the creation of a new right as they apply to compensation on the compulsory purchase of land and interests in land.

### Land Compensation Act 1973 modified

2.—(1) Without limiting paragraph 1, the Land Compensation Act 1973(48) has effect subject to the modifications set out in sub-paragraph (2).

(2) In section 44(1) (compensation for injurious affection), as it applies to compensation for injurious affection under section 7 of the 1965 Act—

- (a) for “land is acquired or taken”, substitute “a right over land is purchased from”;
- (b) for “acquired or taken from him”, substitute “over which the right is exercisable”.

### Compulsory Purchase Act 1965 modified

3. Without limiting paragraph 1, the 1965 Act has effect with the modifications necessary to make it apply to the compulsory acquisition under this Order of a right by the creation of a new right as it applies to the compulsory acquisition under this Order of land, so that, in appropriate contexts, references in that Act to land are to be read (according to the requirements of the particular context) as referring to, or as including references to,—

- (a) the right acquired or to be acquired; or
- (b) the land over which the right is or is to be exercisable.

(48) 1973 c.26. Section 44 was amended by paragraph 13(b) of Schedule 24 to the Highways Act 1980, paragraph 14(d) of Schedule 7 to the Gas Act 1986 (c.44) and paragraph 23 of Schedule 1 to the Water Consolidation (Consequential Provisions) Act 1991 (c.60).

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## SCHEDULE 7

Article 29

## Land of which temporary possession may be taken

<i>(1)</i> <i>Location</i>	<i>(2)</i> <i>Plot reference numbers shown on land plan</i>	<i>(3)</i> <i>Purpose for which temporary possession may be taken</i>	<i>(4)</i> <i>Relevant part of authorised development</i>
<b>Sheet 2 – land plan</b>			
In the administrative area of East Riding of Yorkshire Council	176	Access to work site	Work No. 6B
In the administrative area of East Riding of Yorkshire Council	177	Access to work site	Work No. 6A
In the administrative area of East Riding of Yorkshire Council	178	Work site and access	Work No. 6B
In the administrative area of East Riding of Yorkshire Council	179	Work site and access	Work No. 6A
<b>Sheet 5 – land plan</b>			
In the administrative area of East Riding of Yorkshire Council	180	Work site and access	Work No. 6A
<b>Sheet 6</b>			
In the administrative area of East Riding of Yorkshire Council	181	Work site and access	Work No. 6B
<b>Sheet 7</b>			
In the administrative area of East Riding of Yorkshire Council	182	Access to work site	Work No. 6B
In the administrative area of East Riding of Yorkshire Council	183	Access to work site	Work No. 6A
In the administrative area of East Riding of Yorkshire Council	184	Work site and access	Work No. 6B
In the administrative area of East Riding of Yorkshire Council	185	Work site and access	Work No. 6A
<b>Sheet 11</b>			
In the administrative area of East Riding of Yorkshire Council	186	Work site and access	Work No. 6B
In the administrative area of East Riding of Yorkshire Council	187	Work site and access	Work No. 6A
<b>Sheet 15</b>			
In the administrative area of East Riding of Yorkshire Council	188	Work site and access	Works No. 6A and 6B
In the administrative area of East Riding of Yorkshire Council	189	Work site and access	Works No. 6A and 6B
<b>Sheet 17</b>			



<i>(1)</i> <i>Location</i>	<i>(2)</i> <i>Plot reference numbers shown on land plan</i>	<i>(3)</i> <i>Purpose for which temporary possession may be taken</i>	<i>(4)</i> <i>Relevant part of authorised development</i>
In the administrative area of East Riding of Yorkshire Council	190	Work site and access	Work No. 6B
In the administrative area of East Riding of Yorkshire Council	191	Work site and access	Work No. 6A
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In the administrative area of East Riding of Yorkshire Council	192	Work site and access	Work No. 6B
In the administrative area of East Riding of Yorkshire Council	193	Work site and access	Work No. 6A
<b>Sheet 21</b>			
In the administrative area of East Riding of Yorkshire Council	194	Work site and access	Work No. 7
In the administrative area of East Riding of Yorkshire Council	195	Work site and access	Work No. 7
<b>Sheet 22</b>			
In the administrative area of East Riding of Yorkshire Council	196	Work site and access	Work No. 8B
In the administrative area of East Riding of Yorkshire Council	197	Work site and access	Work No. 8A

## SCHEDULE 8

Articles 2 and 39

Marine Licence 1: Project A Offshore (Generation – Works No. 1A and 2T)

## PART A

## Licensed activities

**Interpretation**

1.—(1) In this licence—

“2004 Act” means the Energy Act 2004;

“2009 Act” means the Marine and Coastal Access Act 2009;

“Annex 1 habitat” means a habitat set out in Annex 1 to Council [Directive 92/43/EEC](#) of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora;

“authorised deposits” means the substances and articles specified in paragraph 2(3);

“authorised scheme” means Works No. 1A and 2T described in paragraph 2 or any part or phase of those works;

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“cable crossings” means the crossing of existing subsea cables and pipelines by the inter-array, interconnecting or export cables authorised by the Order together with physical protection measures including cable protection;

“cable protection” means any measures to protect cables and prevent loss of seabed sediment, for example by the use of grout bags, protective aprons, mattresses, flow energy dissipation devices or rock and gravel burial;

“combined platform” means a single offshore platform combining 2 or more of the following—

- (a) an offshore collector platform;
- (b) an offshore converter platform;
- (c) an offshore accommodation or helicopter platform;

“commence” means the first carrying out of any part of the licensed activities except for pre-construction surveys and monitoring; and “commencement” must be construed accordingly;

“commercial operation” means the exporting, on a commercial basis, of electricity from the wind turbine generators comprised within the authorised scheme;

“Condition” means a condition in Part B;

“draft fisheries liaison plan” means the document certified as the draft fisheries liaison plan by the Secretary of State for the purposes of the Order;

“enforcement officer” means a person authorised to carry out enforcement duties under Chapter 3 of the 2009 Act;

“environmental statement” means the document certified as the environmental statement by the Secretary of State for the purposes of the Order and submitted with the application together with any supplementary or further environmental information submitted in support of the application;

“gravity base foundation” means a foundation type that rests on the seabed and supports the wind turbine generator, meteorological station or offshore platform primarily due to its own weight and that of added ballast, with or without skirts or other additional fixings, which may include associated equipment including J-tubes and access platforms and separate topside connection structures or an integrated transition piece. (Sub-types for wind turbine generators and meteorological stations include conical gravity base and flat-based gravity base foundations. Sub-types for platforms include offshore platform conical or flat-base gravity base foundations and offshore platform semi-submersible gravity base foundations);

“HAT” means highest astronomical tide;

“HVDC” means high voltage direct current;

“In Principle Monitoring Plan” means the document certified as the In Principle Monitoring Plan by the Secretary of State for the purposes of the Order;

“Kingfisher Fortnightly Bulletin” means the bulletin published by the Humber Seafood Institute or such other alternative publication approved in writing by the MMO;

“licensed activities” means the activities specified in this Part;

“maintain” includes inspect, repair, adjust and alter, and further includes remove, reconstruct and replace any of the ancillary works in Part 2 of Schedule 1 (ancillary works) to the Order and any component part of any wind turbine generator, offshore platform, meteorological station, electricity or communication cable described in Part 1 of that Schedule (authorised development) (but not including the removal or replacement of foundations) to the extent outlined within the post-construction maintenance plan; and “maintenance” must be construed accordingly;

“MCA” means the Maritime and Coastguard Agency;

“meteorological mast” or “meteorological station” means a fixed or floating structure housing or incorporating equipment to measure wind speed and other meteorological and oceanographic characteristics, including a topside which may house electrical switchgear and communication equipment and associated equipment, and marking and lighting;

“MHWS” (mean high water springs) means the highest level which spring tides reach on average over a period of time;

“MMO” means the Marine Management Organisation;

“monopole foundation” means foundation options based around a single vertical pillar structure driven, drilled, or embedded into the seabed by means such as suction or gravity. This main support structure may change in diameter via tapers and abrupt steps. (Sub-types for wind turbine generators and meteorological stations include monopole with steel monopile footing, monopole with concrete monopile footing and monopole with a single suction-installed bucket footing);

“multi-leg foundation” means foundation options based around structures with several legs or footings. This includes jackets, tripods, and other structures which include multiple large tubulars, cross-bracing, or lattices. Multi-leg foundations may be fixed to the seabed by footings which are driven, drilled, screwed, jacked-up or embedded into the seabed by means such as suction or gravity. (Sub-types for wind turbine generators and meteorological stations include multi-legs with driven piles, drilled piles, screw piles, suction buckets and jack-up foundations. Sub-types for platforms include offshore platform jacket foundations (potentially using driven piles, suction buckets or screw piles) and offshore platform jack-up foundations);

“notice to mariners” includes any notice to mariners which may be issued by the Admiralty, Trinity House, Queen’s harbourmasters, government departments and harbour and pilotage authorities;

“offshore accommodation or helicopter platform” means a platform (either singly or as part of a combined platform) housing or incorporating some or all of the following: accommodation for staff during the construction, operation and decommissioning of the authorised scheme, landing facilities for vessels and helicopters, re-fuelling facilities, communication and control systems, electrical systems such as metering and control systems, J-tubes, small- and large-scale electrical power systems, auxiliary and uninterruptible power supplies, large-scale energy storage systems, standby electricity generation equipment, cranes, storage for waste and consumables including fuel, marking and lighting and other associated equipment and facilities;

“offshore collector platform” means a platform (either singly or as part of a combined platform) housing or incorporating electrical switchgear or electrical transformers, electrical systems such as metering and control systems, J-tubes, landing facilities for vessels and helicopters, re-fuelling facilities, accommodation for staff during the construction, operation and decommissioning of the authorised scheme, communication and control systems, auxiliary and uninterruptible power supplies, large-scale energy storage systems, standby electricity generation equipment, cranes, storage for waste and consumables including fuel, marking and lighting and other associated equipment and facilities;

“offshore converter platform” means a platform (either singly or as part of a combined platform) housing or incorporating HVDC electrical switchgear or electrical transformers and other equipment to enable HVDC transmission to be used to convey the power output of the multiple wind turbine generators to shore including electrical systems such as metering and control systems, J-tubes, landing facilities for vessels and helicopters, re-fuelling facilities, accommodation for staff during the construction, operation and decommissioning of the authorised scheme, communication and control systems, auxiliary and uninterruptible power supplies, large-scale energy storage systems, standby electricity generation equipment, cranes,

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storage for waste and consumables including fuel, marking and lighting and other associated equipment and facilities;

“offshore Order limits plan” means the plans certified as the offshore Order limits and grid co-ordinates plan by the Secretary of State for the purposes of the Order;

“offshore platform” means any of the following—

- (a) an offshore accommodation or helicopter platform;
- (b) an offshore collector platform;
- (c) an offshore converter platform;
- (d) a combined platform;

“onshore Order limits plan” means the plans certified as the onshore Order limits and grid co-ordinates plan by the Secretary of State for the purposes of the Order;

“Order” means the Dogger Bank Creyke Beck Offshore Wind Farm Order 2015;

“Order limits” means the limits shown on the offshore and onshore Order limits plans;

“outline maintenance plan” means the document certified as the outline maintenance plan by the Secretary of State for the purposes of the Order;

“scour protection” means protection against foundation scour and subsea damage, for example from trawling, through reinforcement measures and measures to prevent loss of seabed sediment around foundation bases. These measures include the use of bagged solutions filled with grout or other materials, protective aprons, mattresses, flow energy dissipation devices and rock and gravel burial;

“undertaker” means Doggerbank Project 1 Bizco Limited (company number 7791991) whose registered office is 55 Vastern Road, Reading, Berkshire RG1 8BU;

“vessel” means every description of vessel, however propelled or moved, and includes a non-displacement craft, a personal watercraft, a seaplane on the surface of the water, a hydrofoil vessel, a hovercraft or any other amphibious vehicle and any other thing constructed or adapted for movement through, in, on or over water and which is at the time in, on or over water;

“wind turbine generator” means a structure comprising a tower, a rotor with 3 blades connected at the hub, a nacelle and ancillary electrical and other equipment which may include J-tubes, transition piece, access and rest platforms, access ladders, boat access systems, corrosion protection systems, fenders and maintenance equipment, helicopter transfer facilities and other associated equipment, fixed to a foundation.

(2) In this licence, a reference to any statute, order, regulation or similar instrument is a reference to a statute, order, regulation or instrument as amended by any subsequent statute, order, regulation or instrument or as contained in any subsequent re-enactment.

(3) In this licence, unless otherwise indicated,—

- (a) all times are Greenwich Mean Time (GMT);
- (b) all co-ordinates are latitude and longitude decimal degrees to 6 decimal places. The datum system used is WGS84.

(4) Except where otherwise notified in writing by the relevant organisation, the primary point of contact with the organisations listed below, and the address for returns and correspondence, is—

- (a) Marine Management Organisation
  - Marine Licensing Team
  - Lancaster House
  - Hampshire Court
  - Newcastle-upon-Tyne NE4 7YH

Email: [marine.consents@marinemanagement.org.uk](mailto:marine.consents@marinemanagement.org.uk)

Tel: 0300 123 1032;

(b) Trinity House

Tower Hill

London EC3N 4DH

Tel: 020 7481 6900;

(c) United Kingdom Hydrographic Office

Admiralty Way

Taunton

Somerset TA1 2DN

Tel: 01823 337 900;

(d) Maritime and Coastguard Agency

Navigation Safety Branch

Bay 2/04

Spring Place

105 Commercial Road

Southampton SO15 1EG

Tel: 023 8032 9191;

(e) Centre for Environment, Fisheries and Aquaculture Science

Pakefield Road

Lowestoft

Suffolk NR33 0HT

Tel: 01502 562 244;

(f) Natural England

Foundry House

3 Millsands

Riverside Exchange

Sheffield S3 8NH

Tel: 0300 060 4911;

(g) JNCC

Inverdee House

Baxter Street

Aberdeen AB11 9QA

Tel: 01224 266 550;

(h) English Heritage

Eastgate Court

195-205 High Street

Guildford GU1 3EH

Tel: 01483 252 057.

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(5) For information only, the details of the local MMO office to the authorised scheme is—  
Marine Management Organisation

Northern Marine Area

Neville House

Central Riverside

Bell Street

North Shields

Tyne and Wear NE30 0LJ

Tel: 0191 257 4520.

### Details of licensed activities

2.—(1) This licence authorises the undertaker (and any agent or contractor acting on its behalf) to carry out the following licensable marine activities under Part 4 of the 2009 Act, subject to the Conditions—

- (a) the deposit at sea of the substances and articles specified in sub-paragraph (3);
- (b) the construction of works in or over the sea or on or under the sea bed including the removal, reconstruction or alteration of the position of subsea cables and pipelines;
- (c) the removal of sediment samples for the purposes of informing environmental monitoring under this licence during pre-construction, construction and operation.

(2) Subject to sub-paragraph (7), such activities are authorised in relation to the construction, maintenance and operation of—

Work No. 1A—

- (a) an offshore wind turbine generating station with a gross electrical output capacity of up to 1.2 gigawatts comprising up to 200 wind turbine generators each fixed to the seabed by monopole, multi-leg or gravity base type foundations situated within the co-ordinates of the array area specified in Table 1A;

**Table 1A - Co-ordinates of array area**

<i>Point</i>	<i>Latitude (decimal degrees)</i>	<i>Longitude (decimal degrees)</i>
CBA-1	54.835241	1.633573
CBA-2	54.838412	2.174407
CBA-3	54.808700	2.227327
CBA-4	54.659286	1.976949
CBA-5	54.741685	1.632884

- (b) up to 7 offshore platforms comprising the following—
  - (i) up to 4 offshore collector platforms situated within the co-ordinates of the array area specified in Table 1A and being fixed to the seabed by multi-leg or gravity base type foundations;
  - (ii) 1 offshore converter platform situated within the co-ordinates of the array area specified in Table 1A and being fixed to the seabed by multi-leg or gravity base type foundations; and

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- (iii) up to 2 offshore accommodation or helicopter platforms situated within the co-ordinates of the array area specified in Table 1A and being fixed to the seabed by multi-leg or gravity base type foundations,  
provided that any of the platforms comprised in Work No. 1A(b)(i) to (iii) may be co-joined to create a combined platform fixed to the seabed by multi-leg or gravity base type foundations;
- (c) up to 5 meteorological stations situated within the co-ordinates of the array area specified in Table 1A either fixed to the seabed by monopole, multi-leg or gravity base type foundations or utilising a floating support structure anchored to the seabed; and
- (d) a network of cables for the transmission of electricity and electronic communications laid on or beneath the seabed including cable crossings between—
  - (i) any of the wind turbine generators comprising Work No. 1A(a);
  - (ii) any of the wind turbine generators comprising Work No. 1A(a) and any of the works comprising Work No. 1A(b) or (c); and
  - (iii) any of the works comprising Work No. 1A(b) and any of the works comprising Work No. 1A(c); and
  - (iv) the offshore converter platform comprising Work No. 1A(b)(ii) or the combined platforms referred to in Work No. 1A(b) and the export cable route in Work No. 2A (as defined in the Order);

Work No. 2T – a temporary work area for vessels to carry out intrusive activities during construction, including vessels requiring anchor spreads alongside the cable corridors; and

Ancillary works in connection to the above-mentioned works comprising—

- (a) temporary landing places, moorings or other means of accommodating vessels in the construction or maintenance of the authorised scheme;
  - (b) temporary or permanent buoys, beacons, fenders and other navigational warning or ship impact protection works;
  - (c) temporary works for the protection of land or structures affected by the authorised scheme;
  - (d) cable protection, scour protection or dredging; and
  - (e) cable route preparation works including boulder removal and obstruction clearance, dredging and pre-sweeping.
- (3) The substances or articles authorised for deposit at sea are—
- (a) iron, steel and aluminium;
  - (b) stone and rock;
  - (c) concrete and grout;
  - (d) sand and gravel;
  - (e) plastic and synthetic;
  - (f) material extracted from within the offshore Order limits during construction drilling and seabed preparation for foundation works and cable sandwave preparation works; and
  - (g) marine coatings, other chemicals and timber.
- (4) Subject to the Conditions, this licence authorises the disposal of up to 1,107,411 cubic metres of material of natural origin within Work No. 1A produced during construction drilling and seabed preparation for foundation works and cable sandwave preparation works.

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(5) The undertaker must inform the MMO of the location and quantities of material disposed of each month pursuant to sub-paragraph (4) by submission of a disposal return by 31st January each year for the months August to January inclusive, and by 31st July each year for the months February to July inclusive.

(6) This licence does not permit the decommissioning of the authorised scheme. No decommissioning activity must commence until a decommissioning programme has been approved by the Secretary of State under section 106 of the 2004 Act. Furthermore, at least 4 months before carrying out any such works, the undertaker must notify the MMO of the proposed decommissioning activity to establish whether a marine licence is required for such works.

(7) This licence and Marine Licence 3 (as defined in the Order), when taken together, do not authorise the construction of more than 1 Work No. 1A or the construction of Work No. 1A in excess of the maximum parameters for that Work set out in Schedule 1 to the Order.

## PART B

### Conditions

#### Detailed offshore design parameters

3.—(1) Subject to sub-paragraph (2), no wind turbine generator forming part of the authorised scheme must—

- (a) exceed a height of 315 metres when measured from HAT to the tip of the vertical blade;
- (b) exceed a rotor diameter of 215 metres;
- (c) be less than a multiple of 6 times the rotor diameter from the nearest wind turbine generator in any direction being not less than 700 metres measured between turbines; or
- (d) have a distance of less than 26 metres between the lowest point of the rotating blade of the wind turbine generator and the level of the sea at HAT.

(2) The wind turbine generators comprised in Work No. 1A must be of such a size that if they were installed to the maximum permitted gross generating capacity specified for that work the total rotor-swept area would not exceed 4.35 square kilometres.

(3) Wind turbine generator and meteorological mast foundation structures forming part of the authorised scheme must be 1 of the following foundation options: monopole, multi-leg or gravity base.

(4) No wind turbine generator or meteorological mast foundation structure employing a footing of driven piles forming part of the authorised scheme must—

- (a) have more than 6 driven piles;
- (b) in the case of single pile structures, have a pile diameter of greater than 10 metres and employ a hammer energy during installation of greater than 3,000 kilojoules; or
- (c) in the case of 2 or more pile structures, have a pile diameter of greater than 3.5 metres or employ a hammer energy during installation of greater than 2,300 kilojoules.

(5) The foundations for wind turbine generators must be in accordance with the wave reflection coefficient values as set out at Fig 3.16 within Chapter 5 and Appendix 5.B of the environmental statement.

(6) No wind turbine generator foundation must have a seabed footprint area of subsea scour protection (excluding foundation footprint) of more than 3,777 square metres.

(7) The foundations for wind turbine generators and meteorological stations must not exceed the dimensions set out below—



<i>Foundation type (monopole, multi-leg or gravity base foundations)</i>	<i>Maximum width of main supporting structure in metres</i>	<i>Maximum seabed footprint area per foundation (excluding scour protection) in square metres</i>
Wind turbine generator and meteorological station foundation	61	2,376

(8) The total seabed footprint area of subsea scour protection for wind turbine generator foundations (excluding foundation footprint) must not exceed 0.7554 square kilometres within Work No. 1A.

(9) The volume of subsea scour protection material for wind turbine generator foundations within Work No. 1A must not exceed 1,084,800 cubic metres.

(10) The total cable protection for HVAC inter-array cables (excluding cable crossing) must not exceed an area of 0.5557 square kilometres or a volume of 217,850 cubic metres within Work No. 1A.

(11) References to the location of a wind turbine generator are references to the centroid point at the base of the turbine.

(12) No lattice tower forming part of a meteorological station must exceed a height of 315 metres above HAT.

(13) The length of HVAC cables comprising Work No. 1A must not exceed 950 kilometres.

4.—(1) The total number of offshore platforms forming part of the authorised scheme must not exceed 7 comprising—

- (a) up to 4 offshore collector platforms;
- (b) up to 1 offshore converter platform;
- (c) up to 2 offshore accommodation or helicopter platforms,

provided that any of the platforms comprised in paragraphs (a) to (c) may be co-joined to create a combined platform fixed to the seabed by multi-leg or gravity base type foundations.

(2) The dimensions of any offshore collector platforms forming part of the authorised scheme (excluding towers, helicopter landing pads, masts and cranes) must not exceed 75 metres in length, 75 metres in width and 85 metres in height above HAT.

(3) The dimensions of any offshore converter platform forming part of the authorised scheme (excluding towers, helicopter landing pads, masts and cranes) must not exceed 125 metres in length, 100 metres in width and 105 metres in height above HAT.

(4) The dimensions of any offshore accommodation or helicopter platforms forming part of the authorised scheme (excluding towers, helicopter landing pads, masts and cranes) must not exceed 125 metres in length, 100 metres in width and 105 metres in height above HAT.

(5) The dimensions of any combined platform forming part of the authorised scheme (excluding towers, helicopter landing pads, masts and cranes) must not exceed the total footprint of the individual platforms incorporated within it.

(6) Offshore platform foundation structures forming part of the authorised scheme must be 1 of the following foundation options: gravity base or multi-leg.

(7) No offshore platform foundation structure employing a footing of driven piles forming part of the authorised scheme must—

- (a) have more than 24 driven piles;
- (b) have a pile diameter of greater than 2.744 metres or employ a hammer energy during installation of greater than 1,900 kilojoules.

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(8) No offshore platform foundation must have a seabed footprint area of subsea scour protection (excluding foundation footprint) of more than 8,742 square metres.

(9) The foundations for offshore platforms must not exceed the dimensions set out below—

<i>Foundation type</i>	<i>Offshore collector platform (multi-leg or gravity base foundation)</i>	<i>Offshore converter platform (multi-leg or gravity base foundation)</i>	<i>Offshore accommodation or helicopter platform (multi-leg or gravity base foundation)</i>
Maximum seabed footprint area per foundation (excluding scour protection) in square metres	5,625	12,500	12,500

(10) The number of vessels actively carrying out impact piling as part of the installation of driven pile foundations for the authorised scheme must at no time exceed 2 within Work No. 1A.

**Layout rules**

5.—(1) The positions of wind turbine generators and offshore platforms must be arrayed in accordance with parameters applicable to Work No. 1A specified in Condition 3 and the principles within section 5.2 of Chapter 5 of the environmental statement.

(2) No construction of any wind turbine generator or offshore platform forming part of the authorised scheme must commence until the MMO, in consultation with the MCA, has approved their general layout arrangements. These layout arrangements must specify the physical point of connection between generation and transmission assets for Project A (as defined in the Order).

(3) The construction of the wind turbine generators and offshore platforms must be carried out as approved.

**Notifications and inspections**

6.—(1) The undertaker must ensure that—

- (a) before any licensed activities are carried out under this licence, the undertaker informs the MMO of—
  - (i) the name of the person undertaking the licensed activities;
  - (ii) the works being undertaken pursuant to this licence comprising those works necessary up to the point of connection with the transmission assets;
  - (iii) the maximum total area and volume for any cable protection for HVAC inter-array cables and HVAC inter-platform cables to be constructed within the array area pursuant to this licence; and
  - (iv) the maximum total area and volume for any cable protection to be constructed within the array area pursuant to this licence;
- (b) any works notified under this Condition when combined with any works notified under Condition 6 of Marine Licence 2 (as defined in the Order) and Condition 5 of Marine Licences 3 and 4 (as defined in the Order) do not exceed the maximum parameters set out in Schedule 1 to the Order;
- (c) a copy of this licence (issued as part of the grant of the Order) and any subsequent amendments or revisions to it is provided to—

- (i) all agents and contractors notified to the MMO in accordance with Condition 12; and
  - (ii) the masters and transport managers responsible for the vessels notified to the MMO in accordance with Condition 12; and
  - (d) within 28 days of receipt of a copy of this licence, the persons referred to in paragraph (c) provide a completed confirmation form to the MMO confirming that they have read and will comply with the terms of this licence.
- (2) Only the persons and vessels notified to the MMO in accordance with Condition 12 are permitted to carry out the licensed activities.
- (3) Copies of this licence must also be available for inspection at the following locations—
- (a) the undertaker’s registered address;
  - (b) any site office located at or adjacent to the construction site and used by the undertaker or its agents and contractors responsible for the loading, transportation or deposit of the authorised deposits; and
  - (c) on board each vessel or at the office of any transport manager with responsibility for vessels from which authorised deposits are to be made.
- (4) The documents referred to in sub-paragraph (1)(c) must be available for inspection by an enforcement officer at all reasonable times at the locations set out in sub-paragraph (3)(b).
- (5) The undertaker must provide access, and if necessary appropriate transportation, to the offshore construction site or any other associated works or vessels to facilitate any inspection that the MMO considers necessary to inspect the works during construction and operation of the authorised scheme.
- (6) The undertaker must inform the MMO Coastal Office in writing at least 5 working days before commencement of the licensed activities or any phase of them.
- (7) Before commencement of the licensed activities or any phase of them, the undertaker must publish in the Kingfisher Fortnightly Bulletin details of the vessel routes, timings and locations relating to the construction of the authorised scheme or relevant phase.
- (8) The undertaker must ensure that a notice to mariners is issued at least 10 working days before commencement of the licensed activities or any phase of them advising of the commencement date of Work No. 1A and the expected vessel routes from the local construction ports to the relevant locations.
- (9) The undertaker must ensure that the notices to mariners are updated and reissued at weekly intervals during construction activities and within 5 days of any planned operations and maintenance works and supplemented with VHF radio broadcasts agreed with the MCA in accordance with the construction programme approved under Condition 9(b). Copies of all notices must be provided to the MMO.
- (10) The undertaker must notify—
- (a) the United Kingdom Hydrographic Office at least 2 weeks before commencement, and no later than 2 weeks following completion, of the authorised scheme in order that all necessary amendments to nautical charts are made; and
  - (b) the MMO, MCA and Trinity House once the authorised scheme is completed and any required lighting or marking has been established.

### **Chemicals, drilling and debris**

7.—(1) All chemicals used in the construction of the authorised scheme, including any chemical agents placed within any monopile or other foundation structure void, must be selected from the

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list of notified chemicals approved for use by the offshore oil and gas industry under the Offshore Chemicals Regulations 2002(49).

(2) The undertaker must ensure that any coatings and treatments are suitable for use in the marine environment and are used in accordance with guidelines approved by Health and Safety Executive or the Environment Agency pollution prevention control guidelines. Any spillages must be reported to the MMO marine pollution response team within the timeframes specified in the marine pollution contingency plan.

(3) The storage, handling, transport and use of fuels, lubricants, chemicals and other substances must be undertaken so as to prevent releases into the marine environment, including bunding of 110% of the total volume of all reservoirs and containers.

(4) Where foundation drilling works are proposed, in the event that any system other than water-based mud is proposed, the MMO's written approval in relation to the proposed disposal of any arisings must be obtained before the drilling commences, which may also require a marine licence.

(5) The undertaker must ensure that any debris arising from the construction of the authorised scheme or temporary works placed seaward of MHWS is removed on completion of the authorised scheme.

(6) At least 10 days before commencement of the licensed activities, the undertaker must submit to the MMO an audit sheet covering all aspects of the construction of the licensed activities or any phase of them. The audit sheet must include details of—

- (a) loading facilities;
- (b) vessels;
- (c) equipment;
- (d) shipment routes;
- (e) transport;
- (f) working schedules; and
- (g) all components and materials to be used in the construction of the authorised scheme.

(7) The audit sheet must be maintained throughout the construction of the authorised scheme (or relevant phase) and must be submitted to the MMO for review at fortnightly intervals.

(8) In the event that the MMO becomes aware that any of the materials on the audit sheet cannot be accounted for, it must require the undertaker to carry out a side-scan sonar survey to plot all obstructions across a reasonable area of search agreed with the MMO where construction works and related activities have been carried out. Representatives of the Holderness Fishing Industry Group must be invited to send a representative to be present during the survey. Any obstructions that the MMO believes to be associated with the authorised scheme must be removed at the undertaker's expense.

### **Force majeure**

8. If, due to stress of weather or any other cause, the master of a vessel determines that it is necessary to deposit the authorised deposits otherwise than in accordance with Condition 10(2) because the safety of human life or the vessel is threatened—

- (a) within 48 hours full details of the circumstances of the deposit must be notified to the MMO; and
- (b) at the written request of the MMO, the unauthorised deposits must be removed at the expense of the undertaker.

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(49) [S.I. 2002/1355](#), amended by [S.I. 2011/982](#).

## **Pre-construction plans and documentation**

9. The licensed activities or any phase of those activities must not commence until the following (insofar as relevant to that activity or phase of activity) have been submitted to and approved in writing by the MMO—

- (a) a plan to be agreed in writing with the MMO following consultation with Trinity House and the MCA which shows—
  - (i) the number, specifications and dimensions of the wind turbine generators;
  - (ii) the proposed location, including grid co-ordinates and choice of foundation types for all wind turbine generators, offshore platforms and meteorological stations;
  - (iii) the dimensions of all monopole, multi-leg and gravity base foundations, if used; and
  - (iv) the proposed layout of HVAC cables,to ensure conformity with the description of Work No. 1A and compliance with Conditions 3 to 5;
- (b) a detailed construction and monitoring programme to include details of—
  - (i) the proposed construction commencement date;
  - (ii) proposed timings for mobilisation of plant, delivery of materials and installation works; and
  - (iii) proposed pre-construction surveys, a proposed format and content for a baseline report, construction monitoring, post-construction monitoring and related reporting in accordance with Conditions 14, 15 and 16. The pre-construction survey programme and all pre-construction survey methodologies must be submitted to the MMO for written approval at least 4 months before commencement of any survey works detailed within;
- (c) a construction method statement in accordance with the construction methods assessed in the environmental statement to include details of—
  - (i) drilling methods and disposal of drill arisings;
  - (ii) turbine, meteorological mast and platform location and installation, including scour protection and foundations;
  - (iii) cable installation;
  - (iv) impact piling including soft start procedures;
  - (v) the source of rock material used in construction and method to minimise contaminants and fines;
  - (vi) contractors;
  - (vii) vessels; and
  - (viii) associated works;
- (d) a project environmental management and monitoring plan to include details of—
  - (i) a marine pollution contingency plan to address the risks, methods and procedures to deal with any spills and collision incidents during construction and operation of the authorised scheme in relation to all activities carried out;
  - (ii) a chemical risk assessment to include information regarding how and when chemicals are to be used, stored and transported in accordance with recognised best practice guidance;
  - (iii) waste management and disposal arrangements including arrangements to ensure no waste concrete slurry or wash water from concrete or cement work is discharged;

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- (iv) the fisheries liaison officer appointed by the undertaker (to be notified to the District Marine Officer for the MMO's Northern District). Evidence of liaison must be collated so that signatures of attendance at meetings, agenda and minutes of meetings with the fishing industry can be provided to the MMO if requested; and
- (v) a fisheries liaison plan in accordance with the draft fisheries liaison plan to include information on liaison with the fishing industry (including by the fisheries liaison officer referred to in sub-paragraph (iv)) and a co-existence plan;
- (e) a marine mammal mitigation protocol, the intention of which is to prevent, amongst other things, injury to marine mammals, primarily auditory injury within the vicinity of any piling, and appropriate monitoring surveys in accordance with the In Principle Monitoring Plan, to be agreed in writing with the MMO in consultation with the relevant statutory nature conservation body;
- (f) a cable specification and installation plan following consultation with the relevant statutory nature conservation body, to include—
  - (i) technical specification of offshore cables, including a desk-based assessment of attenuation of electro-magnetic field strengths, shielding and cable burial depth in accordance with industry good practice;
  - (ii) a staged cable-laying plan for the Order limits, incorporating a burial risk assessment to ascertain suitable burial depths and cable-laying techniques;
  - (iii) a scour protection management and cable protection plan providing details of the need, type, sources, quality and installation methods for scour protection and cable protection; and
  - (iv) details of the methodology and extent of a post-lay survey, to confirm burial depths; and
- (g) a written scheme of archaeological investigation in relation to offshore areas within the Order limits in accordance with Chapter 18 Appendix B of the environmental statement, industry good practice and after discussions with English Heritage to include—
  - (i) details of the responsibilities of the undertaker, archaeological consultant and contractor;
  - (ii) a methodology for any further site investigation including any specifications for geophysical, geotechnical and diver- or remotely-operated vehicle investigations;
  - (iii) within 3 months of any survey being completed, a timetable to be submitted to the MMO setting out the timeframe for the analysis and reporting of survey data;
  - (iv) delivery of any mitigation including, where necessary, archaeological exclusion zones;
  - (v) monitoring during and post-construction, including a conservation programme for finds;
  - (vi) archiving of archaeological material including ensuring that a copy of any agreed archaeological report is deposited with the English Heritage archive by submitting an English Heritage OASIS form with a digital copy of the report; and
  - (vii) a reporting and recording protocol, including reporting of any wreck or wreck material during construction, operation and decommissioning of the authorised scheme.

**10.—(1)** Each programme, statement, plan, protocol, scheme or details required to be approved under Condition 9, and the arrangements required to be approved under Condition 5, must be

submitted for approval at least 4 months before the intended commencement of construction, except where otherwise stated or unless otherwise agreed in writing by the MMO.

(2) The licensed activities must be carried out in accordance with the programme, statement, plan, protocol scheme or details approved under Condition 9.

### **Offshore safety management**

**11.**—(1) Offshore works must not commence until the MMO, in consultation with the MCA, has given written approval for an Emergency Response and Co-operation Plan (“ERCoP”) which includes full details of the ERCoP for the construction, operation and decommissioning phases of the authorised scheme in accordance with the MCA recommendations contained within MGN371 “Offshore Renewable Energy Installations (OREIs) – Guidance on UK Navigational Practice, Safety and Emergency Response Issues”. The ERCoP must include the identification of a point of contact for emergency response.

(2) The ERCoP must be implemented as approved.

(3) No authorised development seaward of MHWS must commence until the MMO, in consultation with the MCA, has confirmed in writing that the undertaker has taken into account and adequately addressed all MCA recommendations as appropriate to the authorised scheme contained within MGN371 “Offshore Renewable Energy Installations (OREIs) – Guidance on UK Navigational Practice, Safety and Emergency Response Issues” and its annexes.

### **Reporting of engaged agents, contractors and vessels**

**12.**—(1) The undertaker must provide the name and function of any agent or contractor appointed to engage in the licensed activities to the MMO at least 2 weeks before the intended commencement of construction.

(2) Each week during the construction of the authorised scheme a completed Hydrographic Note H102 must be provided to the MMO listing the vessels currently and to be used in relation to the licensed activities.

(3) Any changes to the supplied details must be notified to the MMO in writing before the agent, contractor or vessel engages in the licensed activities.

### **Equipment and operation of vessels engaged in licensed activities**

**13.**—(1) All vessels employed to perform the licensed activities must be constructed and equipped to be capable of the proper performance of such activities in accordance with the Conditions and (except in the case of remotely-operated vehicles or vessels) must comply with subparagraphs (2) to (6).

(2) All motor powered vessels must be fitted with—

- (a) an electronic positioning aid to provide navigational data;
- (b) radar;
- (c) an echo-sounder; and
- (d) multi-channel VHF.

(3) No radio beacon or radar beacon operating on the marine frequency bands must be installed or used without the prior written approval of the Secretary of State.

(4) All vessels’ names or identification must be clearly marked on the hull or superstructure.

(5) All communication on VHF working frequencies must be in English.

(6) No vessel must engage in the licensed activities until all the equipment specified in subparagraph (2) is fully operational.

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### **Pre-construction monitoring**

14.—(1) The undertaker must, in discharging Condition 9(b), submit details for written approval by the MMO of proposed pre-construction surveys, including methodologies and timings, and a proposed format and content for a pre-construction baseline report. The survey proposals must be in accordance with the principles set out in the In Principle Monitoring Plan and must specify each survey's objectives and explain how it will assist in either informing a useful and valid comparison with the post-construction position or will enable the validation or otherwise of key predictions in the environmental statement. The baseline report proposals must ensure that the outcome of the agreed surveys together with existing data and reports are drawn together to present a valid statement of the pre-construction position, with any limitations, and must make clear what post-construction comparison is intended and the justification for this being required.

(2) Subject to receipt from the undertaker of specific proposals pursuant to this Condition, where appropriate and necessary it is expected that the pre-construction surveys will comprise—

- (a) an appropriate survey to determine the location and reasonable extent of any benthic habitats of conservation, ecological or economic importance (including Annex 1 habitats) in whole or in part inside the areas within the Order limits in which it is proposed to carry out construction works;
- (b) appropriate high-resolution bathymetric surveys undertaken to International Hydrographic Organisation Order 1A standard and side-scan surveys of the areas within the Order limits in which it is proposed to carry out construction works, including a 500-metre buffer area around the site of each work. This must include the identification of sites of historic or archaeological interest (A1 and A3 receptors) and any unidentified anomalies larger than 5 metres in diameter (A2 receptors), which may require the refinement, removal or introduction of archaeological exclusion zones and to confirm project-specific micro-siting requirements (for A2 receptors);
- (c) appropriate surveys of existing ornithological activity inside the areas within the Order limits in which it is proposed to carry out construction works, and any wider areas where appropriate, which are required to validate predictions in the environmental statement concerning key ornithological interests of relevance to the authorised scheme; and
- (d) appropriate surveys of sand eel within the Order limits in which it is proposed to carry out construction works, and any wider areas where appropriate, which are required to validate predictions in the environmental statement.

(3) The undertaker must carry out and complete the surveys to be undertaken under subparagraph (1) in a timescale which must be agreed with the MMO.

### **Construction monitoring**

15.—(1) The undertaker must, in discharging Condition 9(b), submit details for approval by the MMO of any proposed surveys or monitoring, including methodologies and timings, to be carried out during the construction of the authorised scheme.

(2) The details of the construction monitoring must be submitted at least 4 months before commencement of any survey works and provide the agreed reports in the agreed format in accordance with the agreed timetable. The survey proposals must be in accordance with the principles set out in the In Principle Monitoring Plan and must specify each survey's objectives. The construction surveys must comprise—

- (a) where driven or part-driven pile foundations (for each specific foundation type) are proposed to be used, measurements of noise generated by the installation of 1 pile from each of the first 4 structures with piled foundations, following which the MMO must determine whether further noise monitoring is required. The results of the initial noise measurements must be provided to the MMO within 6 weeks of the installation of the



first relevant foundation piece. The assessment of this report by the MMO must determine whether any further noise monitoring is required;

- (b) vessel traffic monitoring by Automatic Identification System, including the provision of reports on the results of that monitoring periodically as requested by the MMO; and
- (c) appropriate surveys of ornithological activity inside the areas within the Order limits in which it is proposed to carry out construction works, and any wider areas where appropriate, dependent on the outcomes of the pre-construction surveys, as agreed with the MMO in consultation with the relevant statutory nature conservation body.

### **Post-construction surveys**

16.—(1) The undertaker must, in discharging Condition 9(b), submit details for written approval by the MMO of the post-construction surveys proposed in sub-paragraph (2), including methodologies and timings, and a proposed format, content and timings for providing reports on the results at least 4 months before commencement of any survey works detailed within. The survey proposals must be in accordance with the principles set out in the In Principle Monitoring Plan and must specify each survey's objectives and explain how it will assist in either informing a useful and valid comparison with the pre-construction position or will enable the validation or otherwise of key predictions in the environmental statement.

(2) Subject to receipt of specific proposals, it is expected that the post-construction surveys will comprise—

- (a) appropriate surveys of ornithological activity inside the areas within the Order limits in which construction works were carried out, and any wider areas where appropriate, which are required to validate predictions in the environmental statement concerning key ornithological interests of relevance to the authorised scheme;
- (b) appropriate high-resolution bathymetric surveys undertaken to International Hydrographic Organisation Order 1A standard and side-scan sonar surveys around a sample of infrastructure locations that are considered appropriate to assess any changes in seabed topography. For this purpose, the undertaker must before the first such survey submit a desk-based assessment (which takes account of all factors which influence scour) to identify the sample of infrastructure locations that are considered appropriate with greatest potential for scour. The survey will be used to validate the desk-based assessment. Further surveys may be required if there are significant differences between the modelled scour and recorded scour;
- (c) appropriate surveys of sand eel within the Order limits in which construction works were carried out, and any wider areas where appropriate;
- (d) dependent on the outcome of the surveys undertaken under Condition 14(2)(a), appropriate surveys to determine the effects of construction activity on any benthic habitats of conservation, ecological or economic importance (including Annex 1 habitats) in whole or in part inside the areas within the Order limits to validate predictions made in the environmental statement;
- (e) vessel traffic monitoring by Automatic Identification System totalling a maximum of 28 days taking account of seasonal variations in traffic patterns over 1 year, following the commencement of commercial operation. A report must be submitted to the MMO and the MCA following the end of the monitoring; and
- (f) appropriate surveys to determine change in size and form of the drill disposal mounds over the lifetime of the authorised scheme.

(3) The undertaker must carry out the surveys under sub-paragraph (1) and provide the reports in the agreed format in accordance with the timetable as agreed in writing with the MMO following consultation with the relevant statutory nature conservation body.

### **Post-construction maintenance plan**

**17.**—(1) A post-construction maintenance plan must be submitted for written approval by the MMO at least 4 months before the licensed activities are commissioned, based on the maintenance in the outline maintenance plan.

(2) An update to the post-construction maintenance plan must be submitted for approval every 3 years, or sooner in the event of any proposed major revision to planned maintenance activities or the adoption of any new technologies or techniques applicable to programmed maintenance.

(3) Maintenance must be carried out as approved.

### **Aids to navigation**

**18.**—(1) Before commencement of the authorised scheme, an aids to navigation management plan must be approved in writing by the MMO following consultation with Trinity House and MCA specifying the—

- (a) aids to navigation to be established from the commencement of the authorised scheme to the completion of decommissioning;
- (b) monitoring and reporting of the availability of aids to navigation; and
- (c) notifications and procedures for ensuring navigational safety following failures to aids to navigation.

(2) The licensed activities must be carried out in accordance with the plan approved under this Condition.

**19.** The undertaker must keep Trinity House and the MMO informed of progress of the authorised scheme seaward of MHWS including—

- (a) notice of commencement of construction of the authorised scheme within 24 hours of commencement having occurred;
- (b) notice within 24 hours of any aids to navigation being established by the undertaker; and
- (c) notice within 5 working days of completion of construction of the authorised scheme.

**20.** The undertaker must notify Trinity House and the MMO of any failure of the aids to navigation, including timescales and plans for remedying such failures, as soon as possible and no later than 24 hours following the detection of any such failure.

**21.** The undertaker must at or near the authorised scheme during the whole period of the construction, operation, alteration, replacement or decommissioning of the authorised scheme seaward of MHWS exhibit such lights, marks, sounds, signals and other aids to navigation, and take such other steps for the prevention of danger to navigation, as Trinity House may from time to time direct following consultation with the MMO.

**22.** The undertaker must submit reports quarterly to the MMO and Trinity House detailing the working condition of aids to navigation. Reports may be requested more frequently by the MMO or Trinity House and must be submitted by the undertaker as specified.

**23.** In case of damage to, or destruction or decay of, the authorised scheme seaward of MHWS or any part of it, the undertaker must, as soon as possible and no later than 24 hours following the identification of damage, destruction or decay, notify Trinity House and the MMO. The undertaker must also lay down such buoys, exhibit such lights and take such other steps for preventing danger to navigation as directed by Trinity House following consultation with the MMO.

### **Colour of authorised scheme**

**24.**—(1) The undertaker must colour all structures that are part of the authorised scheme seaward of MHWS yellow (colour code RAL 1023) from at least HAT to a height approved by the MMO following consultation with Trinity House.

(2) Details of the remainder of the structures must be submitted to and approved in writing by the MMO following consultation with Trinity House before commencement of the authorised scheme.

(3) The structures must be coloured in accordance with the approved details.

### **Amendments to plans, etc.**

**25.** Where any Condition requires licensed activities to be carried out in accordance with any programme, statement, plan, protocol, scheme, details or arrangements approved by the MMO, the approved programme, statement, plan, protocol, scheme, details or arrangements must be taken to include any amendments that may subsequently be approved in writing by the MMO (after consulting any person that the MMO is required to consult under the relevant Condition).

## SCHEDULE 9

Articles 2 and 39

Marine Licence 2: Project B Offshore (Generation – Works No. 1B and 2T)

## PART A

### Licensed activities

#### **Interpretation**

**1.**—(1) In this licence—

“2004 Act” means the Energy Act 2004;

“2009 Act” means the Marine and Coastal Access Act 2009;

“Annex 1 habitat” means a habitat set out in Annex 1 to Council [Directive 92/43/EEC](#) of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora;

“authorised deposits” means the substances and articles specified in paragraph 2(3);

“authorised scheme” means Works No. 1B and 2T described in paragraph 2 or any part or phase of those works;

“cable crossings” means the crossing of existing subsea cables and pipelines by the inter-array, interconnecting or export cables authorised by the Order together with physical protection measures including cable protection;

“cable protection” means any measures to protect cables and prevent loss of seabed sediment, for example by use of grout bags, protective aprons, mattresses, flow energy dissipation devices or rock and gravel burial;

“combined platform” means a single offshore platform combining 2 or more of the following—

- (a) an offshore collector platform;
- (b) an offshore converter platform;
- (c) an offshore accommodation or helicopter platform;

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“commence” means the first carrying out of any part of the licensed activities except for pre-construction surveys and monitoring; and “commencement” must be construed accordingly;

“commercial operation” means the exporting, on a commercial basis, of electricity from the wind turbine generators comprised within the authorised scheme;

“Condition” means a condition in Part B;

“draft fisheries liaison plan” means the document certified as the draft fisheries liaison plan by the Secretary of State for the purposes of the Order;

“enforcement officer” means a person authorised to carry out enforcement duties under Chapter 3 of the 2009 Act;

“environmental statement” means the document certified as the environmental statement by the Secretary of State for the purposes of the Order and submitted with the application together with any supplementary or further environmental information submitted in support of the application;

“gravity base foundation” means a foundation type which rests on the seabed and supports the wind turbine generator, meteorological station or offshore platform primarily due to its own weight and that of added ballast, with or without skirts or other additional fixings, which may include associated equipment including J-tubes and access platforms and separate topside connection structures or an integrated transition piece. (Sub-types for wind turbine generators and meteorological stations include conical gravity base and flat-based gravity base foundations. Sub-types for platforms include offshore platform conical or flat-base gravity base foundations, and offshore platform semi-submersible gravity base foundations);

“HAT” means highest astronomical tide;

“HVDC” means high voltage direct current;

“In Principle Monitoring Plan” means the document certified as the In Principle Monitoring Plan by the Secretary of State for the purposes of the Order;

“Kingfisher Fortnightly Bulletin” means the bulletin published by the Humber Seafood Institute or such other alternative publication approved in writing by the MMO;

“licensed activities” means the activities specified in this Part;

“maintain” includes inspect, repair, adjust and alter, and further includes remove, reconstruct and replace any of the ancillary works in Part 2 of Schedule 1 (ancillary works) to the Order and any component part of any wind turbine generator, offshore platform, meteorological station, electricity or communication cable described in Part 1 of that Schedule (authorised development) (but not including the removal or replacement of foundations) to the extent outlined within the post-construction maintenance plan; and “maintenance” must be construed accordingly;

“MCA” means the Maritime and Coastguard Agency;

“meteorological mast” or “meteorological station” means a fixed or floating structure housing or incorporating equipment to measure wind speed and other meteorological and oceanographic characteristics, including a topside which may house electrical switchgear and communication equipment and associated equipment, and marking and lighting;

“MHWS” (mean high water springs) means the highest level which spring tides reach on average over a period of time;

“MMO” means the Marine Management Organisation;

“monopole foundation” means foundation options based around a single vertical pillar structure driven, drilled, or embedded into the seabed by means such as suction or gravity. This main support structure may change in diameter via tapers and abrupt steps. (Sub-types for wind turbine generators and meteorological stations include monopole with steel monopole footing,

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monopole with concrete monopile footing and monopole with a single suction-installed bucket footing);

“multi-leg foundation” means foundation options based around structures with several legs or footings. This includes jackets, tripods, and other structures which include multiple large tubulars, cross-bracing, or lattices. Multi-leg foundations may be fixed to the seabed by footings which are driven, drilled, screwed, jacked-up or embedded into the seabed by means such as suction or gravity. (Sub-types for wind turbine generators and meteorological stations include multi-legs with driven piles, drilled piles, screw piles, suction buckets and jack-up foundations. Sub-types for platforms include offshore platform jacket foundations (potentially using driven piles, suction buckets or screw piles) and offshore platform jack-up foundations);

“notice to mariners” includes any notice to mariners which may be issued by the Admiralty, Trinity House, Queen’s harbourmasters, government departments and harbour and pilotage authorities;

“offshore accommodation or helicopter platform” means a platform (either singly or as part of a combined platform) housing or incorporating some or all of the following: accommodation for staff during the construction, operation and decommissioning of the authorised scheme, landing facilities for vessels and helicopters, re-fuelling facilities, communication and control systems, electrical systems such as metering and control systems, J-tubes, small- and large-scale electrical power systems, auxiliary and uninterruptible power supplies, large-scale energy storage systems, standby electricity generation equipment, cranes, storage for waste and consumables including fuel, marking and lighting and other associated equipment and facilities;

“offshore collector platform” means a platform (either singly or as part of a combined platform) housing or incorporating electrical switchgear or electrical transformers, electrical systems such as metering and control systems, J-tubes, landing facilities for vessels and helicopters, re-fuelling facilities, accommodation for staff during the construction, operation and decommissioning of the authorised scheme, communication and control systems, auxiliary and uninterruptible power supplies, large-scale energy storage systems, standby electricity generation equipment, cranes, storage for waste and consumables including fuel, marking and lighting and other associated equipment and facilities;

“offshore converter platform” means a platform (either singly or as part of a combined platform) housing or incorporating HVDC electrical switchgear or electrical transformers and other equipment to enable HVDC transmission to be used to convey the power output of the multiple wind turbine generators to shore including electrical systems such as metering and control systems, J-tubes, landing facilities for vessels and helicopters, re-fuelling facilities, accommodation for staff during the construction, operation and decommissioning of the authorised scheme, communication and control systems, auxiliary and uninterruptible power supplies, large-scale energy storage systems, standby electricity generation equipment, cranes, storage for waste and consumables including fuel, marking and lighting and other associated equipment and facilities;

“offshore Order limits plan” means the plans certified as the offshore Order limits and grid coordinates plan by the Secretary of State for the purposes of the Order;

“offshore platform” means any of the following—

- (a) an offshore accommodation or helicopter platform;
- (b) an offshore collector platform;
- (c) an offshore converter platform;
- (d) a combined platform;

“onshore Order limits plans” means the plans certified as the onshore Order limits and grid coordinates plan by the Secretary of State for the purposes of the Order;

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“Order” means the Dogger Bank Creyke Beck Offshore Wind Farm Order 2015;

“Order limits” means the limits shown on the offshore and onshore Order limits plans;

“outline maintenance plan” means the document certified as the outline maintenance plan by the Secretary of State for the purposes of the Order;

“scour protection” means protection against foundation scour and subsea damage, for example from trawling, through reinforcement measures and measures to prevent loss of seabed sediment around foundation bases. These measures include the use of bagged solutions filled with grout or other materials, protective aprons, mattresses, flow energy dissipation devices and rock and gravel burial;

“undertaker” means Doggerbank Project 4 Bizco Limited (company number 7914510) whose registered office is 55 Vastern Road, Reading, Berkshire RG1 8BU;

“vessel” means every description of vessel, however propelled or moved, and includes a non-displacement craft, a personal watercraft, a seaplane on the surface of the water, a hydrofoil vessel, a hovercraft or any other amphibious vehicle and any other thing constructed or adapted for movement through, in, on or over water and which is at the time in, on or over water;

“wind turbine generator” means a structure comprising a tower, a rotor with 3 blades connected at the hub, a nacelle and ancillary electrical and other equipment which may include J-tubes, transition piece, access and rest platforms, access ladders, boat access systems, corrosion protection systems, fenders and maintenance equipment, helicopter transfer facilities and other associated equipment, fixed to a foundation.

(2) In this licence, a reference to any statute, order, regulation or similar instrument is a reference to a statute, order, regulation or instrument as amended by any subsequent statute, order, regulation or instrument or as contained in any subsequent re-enactment.

(3) In this licence, unless otherwise indicated,—

(a) all times are Greenwich Mean Time (GMT);

(b) all co-ordinates are latitude and longitude decimal degrees to 6 decimal places. The datum system used is WGS84.

(4) Except where otherwise notified in writing by the relevant organisation, the primary point of contact with the organisations listed below, and the address for returns and correspondence, is—

(a) Marine Management Organisation

Marine Licensing Team

Lancaster House

Hampshire Court

Newcastle-upon-Tyne NE4 7YH

Email: [marine.consents@marinemanagement.org.uk](mailto:marine.consents@marinemanagement.org.uk)

Tel: 0300 123 1032;

(b) Trinity House

Tower Hill

London EC3N 4DH

Tel: 020 7481 6900;

(c) United Kingdom Hydrographic Office

Admiralty Way

Taunton

Somerset TA1 2DN

Tel: 01823 337 900;

(d) Maritime and Coastguard Agency

Navigation Safety Branch

Bay 2/04

Spring Place

105 Commercial Road

Southampton SO15 1EG

Tel: 023 8032 9191;

(e) Centre for Environment, Fisheries and Aquaculture Science

Pakefield Road

Lowestoft

Suffolk NR33 0HT

Tel: 01502 562 244;

(f) Natural England

Foundry House

3 Millsands

Riverside Exchange

Sheffield S3 8NH

Tel: 0300 060 4911;

(g) JNCC

Inverdee House

Baxter Street

Aberdeen AB11 9QA

Tel: 01224 266 550;

(h) English Heritage

37 Tanner Row

York YO1 6WP

Tel: 01904 601901.

(5) For information only, the details of the local MMO office to the authorised scheme is—  
Marine Management Organisation

Northern Marine Area

Neville House

Central Riverside

Bell Street

North Shields

Tyne and Wear NE30 1LJ

Tel: 0191 257 4520.

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## Details of licensed activities

2.—(1) This licence authorises the undertaker (and any agent or contractor acting on its behalf) to carry out the following licensable marine activities under Part 4 of the 2009 Act, subject to the Conditions—

- (a) the deposit at sea of the substances and articles specified in sub-paragraph (3);
- (b) the construction of works in or over the sea or on or under the sea bed including the removal, reconstruction or alteration of the position of subsea cables and pipelines; and
- (c) the removal of sediment samples for the purposes of informing environmental monitoring under this licence during pre-construction, construction and operation.

(2) Subject to sub-paragraph (7), such activities are authorised in relation to the construction, maintenance and operation of—

Work No. 1B—

- (a) an offshore wind turbine generating station with a gross electrical output capacity of up to 1.2 gigawatts comprising up to 200 wind turbine generators each fixed to the seabed by monopole, multi-leg or gravity base type foundations, situated within the co-ordinates of the array area specified in Table 1B;

**Table 1B - Co-ordinates of array area**

<i>Point</i>	<i>Latitude (decimal degrees)</i>	<i>Longitude (decimal degrees)</i>
CBB-1	55.074509	1.505499
CBB-2	55.078127	1.557882
CBB-3	55.100307	1.673135
CBB-4	55.102152	1.854982
CBB-5	54.859236	1.861874
CBB-6	54.870965	1.473897
CBB-7	54.968002	1.488779
CBB-8	54.971992	1.488363

- (b) up to 7 offshore platforms comprising the following—
  - (i) up to 4 offshore collector platforms situated within the co-ordinates of the array area specified in Table 1B and being fixed to the seabed by multi-leg or gravity base type foundations;
  - (ii) 1 offshore converter platform situated within the co-ordinates of the array area specified in Table 1B and being fixed to the seabed by multi-leg or gravity base type foundations; and
  - (iii) up to 2 offshore accommodation or helicopter platforms situated within the co-ordinates of the array area specified in Table 1B and being fixed to the seabed by multi-leg or gravity base type foundations;

provided that any of the platforms comprised in Work No. 1B(b)(i) to (iii) may be co-joined to create a combined platform fixed to the seabed by multi-leg or gravity base type foundations;

- (c) up to 5 meteorological stations situated within the co-ordinates of the array area specified in Table 1B either fixed to the seabed by monopole, multi-leg or gravity base type foundations or utilising a floating support structure anchored to the seabed; and



- (d) a network of cables for the transmission of electricity and electronic communications laid on or beneath the seabed including cable crossings between—
  - (i) any of the wind turbine generators comprising Work No. 1B(a);
  - (ii) any of the wind turbine generators comprising Work No. 1B(a) and any of the works comprising Work No. 1B(b) or (c);
  - (iii) any of the works comprising Work No. 1B(b) and any of the works comprising Work No. 1B(c); and
  - (iv) the offshore converter platform comprising Work No. 1B(b)(ii) or the combined platforms referred to in Work No. 1B(b) and the export cable route in Work No. 2BA or 2BC (as defined in the Order);

Work No. 2T – a temporary work area for vessels to carry out intrusive activities during construction, including vessels requiring anchor spreads alongside the cable corridors; and

Ancillary works in connection with the above-mentioned works comprising—

- (a) temporary landing places, moorings or other means of accommodating vessels in the construction or maintenance of the authorised scheme;
  - (b) temporary or permanent buoys, beacons, fenders and other navigational warning or ship impact protection works;
  - (c) temporary works for the protection of land or structures affected by the authorised scheme;
  - (d) cable protection, scour protection or dredging; and
  - (e) cable route preparation works including boulder removal and obstruction clearance, dredging and pre-sweeping.
- (3) The substances or articles authorised for deposit at sea are—
- (a) iron, steel and aluminium;
  - (b) stone and rock;
  - (c) concrete and grout;
  - (d) sand and gravel;
  - (e) plastic and synthetic;
  - (f) material extracted from within the offshore Order limits during construction drilling and seabed preparation for foundation works and cable sandwave preparation works; and
  - (g) marine coatings, other chemicals and timber.

(4) Subject to the Conditions, this licence authorises the disposal of up to 1,107,411 cubic metres of material of natural origin within Work No. 1B produced during construction drilling and seabed preparation for foundation works and cable sandwave preparation works.

(5) The undertaker must inform the MMO of the location and quantities of material disposed of each month pursuant to sub-paragraph (4) by submission of a disposal return by 31st January each year for the months August to January inclusive, and by 31st July each year for the months February to July inclusive.

(6) This licence does not permit the decommissioning of the authorised scheme. No decommissioning activity must commence until a decommissioning programme has been approved by the Secretary of State under section 106 of the 2004 Act. Furthermore, at least 4 months before carrying out any such works, the undertaker must notify the MMO of the proposed decommissioning activity to establish whether a marine licence is required for such works.

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(7) This licence and Marine Licence 4 (as defined in the Order), when taken together, do not authorise the construction of more than 1 Work No. 1B or the construction of Work No. 1B in excess of the maximum parameters for that Work set out in Schedule 1 to the Order.

## PART B

### Conditions

#### Detailed offshore design parameters

3.—(1) Subject to sub-paragraph (2), no wind turbine generator forming part of the authorised scheme must—

- (a) exceed a height of 315 metres when measured from HAT to the tip of the vertical blade;
- (b) exceed a rotor diameter of 215 metres;
- (c) be less than a multiple of 6 times the rotor diameter from the nearest wind turbine generator in any direction being not less than 700 metres measured between turbines; or
- (d) have a distance of less than 26 metres between the lowest point of the rotating blade of the wind turbine generator and the level of the sea at HAT.

(2) The wind turbine generators comprised in Work No. 1B must be of such a size that if they were installed to the maximum permitted gross generating capacity specified for that work the total rotor-swept area would not exceed 4.35 square kilometres.

(3) Wind turbine generator and meteorological mast foundation structures forming part of the authorised scheme must be 1 of the following foundation options: monopole, multi-leg or gravity base.

(4) No wind turbine generator or meteorological mast foundation structure employing a footing of driven piles forming part of the authorised scheme must—

- (a) have more than 6 driven piles;
- (b) in the case of single pile structures, have a pile diameter of greater than 10 metres or employ a hammer energy during installation of greater than 3,000 kilojoules; or
- (c) in the case of 2 or more pile structures, have a pile diameter of greater than 3.5 metres and employ a hammer energy during installation of greater than 2,300 kilojoules.

(5) The foundations for wind turbine generators must be in accordance with the wave reflection coefficient values as set out at Fig 3.16 within Chapter 5 and Appendix 5.B of the environmental statement.

(6) No wind turbine generator foundation must have a seabed footprint area of subsea scour protection (excluding foundation footprint) of more than 3,777 square metres.

(7) The foundations for wind turbine generators and meteorological stations must not exceed the dimensions set out below—

<i>Foundation type (monopole, multi-leg or gravity base foundations)</i>	<i>Maximum width of main supporting structure in metres</i>	<i>Maximum seabed footprint area per foundation (excluding scour protection) in square metres</i>
Wind turbine generator and meteorological station foundation	61	2,376

(8) The total seabed footprint area of subsea scour protection for wind turbine generator foundations (excluding foundation footprint) must not exceed 0.7554 square kilometres within Work No. 1B.

(9) The volume of subsea scour protection material for wind turbine generator foundations within Work No. 1B must not exceed 1,084,800 cubic metres.

(10) The total cable protection for HVAC inter-array cables (excluding cable crossings) must not exceed an area of 0.5557 square kilometres or a volume of 217,850 cubic metres within Work No. 1B.

(11) References to the location of a wind turbine generator are references to the centroid point at the base of the turbine.

(12) No lattice tower forming part of a meteorological station must exceed a height of 315 metres above HAT.

(13) The length of HVAC cables comprising Work No. 1B must not exceed 950 kilometres.

4.—(1) The total number of offshore platforms forming part of the authorised scheme must not exceed 7 comprising—

- (a) up to 4 offshore collector platforms;
- (b) up to 1 offshore converter platform;
- (c) up to 2 offshore accommodation or helicopter platforms,

provided that any of the platforms comprised in paragraphs (a) to (c) may be co-joined to create a combined platform fixed to the seabed by multi-leg or gravity base type foundations.

(2) The dimensions of any offshore collector platforms forming part of the authorised scheme (excluding towers, helicopter landing pads, masts and cranes) must not exceed 75 metres in length, 75 metres in width and 85 metres in height above HAT.

(3) The dimensions of any offshore converter platform forming part of the authorised scheme (excluding towers, helicopter landing pads, masts and cranes) must not exceed 125 metres in length, 100 metres in width and 105 metres in height above HAT.

(4) The dimensions of any offshore accommodation or helicopter platforms forming part of the authorised scheme (excluding towers, helicopter landing pads, masts and cranes) must not exceed 125 metres in length, 100 metres in width and 105 metres in height above HAT.

(5) The dimensions of any combined platform forming part of the authorised scheme (excluding towers, helicopter landing pads, masts and cranes) must not exceed the total footprint of the individual platforms incorporated within it.

(6) Offshore platform foundation structures forming part of the authorised scheme must be 1 of the following foundation options: gravity base or multi-leg.

(7) No offshore platform foundation structure employing a footing of driven piles forming part of the authorised scheme must—

- (a) have more than 24 driven piles; or
- (b) have a pile diameter of greater than 2.744 metres or employ a hammer energy during installation of greater than 1,900 kilojoules.

(8) No offshore platform foundation must have a seabed footprint area of subsea scour protection (excluding foundation footprint) of more than 8,742 square metres.

(9) The foundations for offshore platforms must not exceed the dimensions set out below—

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<i>Foundation type</i>	<i>Offshore collector platform (multi-leg or gravity base foundation)</i>	<i>Offshore converter platform (multi-leg or gravity base foundation)</i>	<i>Offshore accommodation or helicopter platform (multi-leg or gravity base foundation)</i>
Maximum seabed footprint area per foundation (excluding scour protection) in square metres	5,625	12,500	12,500

(10) The number of vessels actively carrying out impact piling as part of the installation of driven pile foundations for the authorised scheme must at no time exceed 2 within Work No. 1B.

### **Layout rules**

5.—(1) The positions of wind turbine generators and offshore platforms must be arrayed in accordance with parameters applicable to Work No. 1B specified in Condition 3 and the principles within section 5.2 of Chapter 5 of the environmental statement.

(2) No construction of any wind turbine generator or offshore platform forming part of the authorised scheme must commence until the MMO, in consultation with the MCA, has approved their general layout arrangements. These layout arrangements must specify the physical point of connection between generation and transmission assets for Project B (as defined in the Order).

(3) The construction of the wind turbine generators and offshore platforms must be carried out as approved.

### **Notifications and inspections**

6.—(1) The undertaker must ensure that—

- (a) before any licensed activities are carried out under this licence, the undertaker informs the MMO of—
  - (i) the name of the person undertaking the licensed activities;
  - (ii) the works being undertaken pursuant to this licence comprising those works necessary up to the point of connection with the transmission assets;
  - (iii) the maximum total area and volume for any cable protection for HVAC inter-array cables and HVAC inter-platform cables to be constructed within the array area pursuant to this licence; and
  - (iv) the maximum total area and volume for any cable protection to be constructed within the array area pursuant to this licence;
- (b) any works notified under this Condition when combined with any works notified under Condition 6 of Marine Licence 1 (as defined in the Order) and Condition 5 of Marine Licences 3 and 4 (as defined in the Order) do not exceed the maximum parameters set out in Schedule 1 to the Order;
- (c) a copy of this licence (issued as part of the grant of the Order) and any subsequent amendments or revisions to it is provided to—
  - (i) all agents and contractors notified to the MMO in accordance with Condition 12; and
  - (ii) the masters and transport managers responsible for the vessels notified to the MMO in accordance with Condition 12; and

- (d) within 28 days of receipt of a copy of this licence the persons referred to in paragraph (c) provide a completed confirmation form to the MMO confirming that they have read and will comply with the terms of this licence.
- (2) Only the persons and vessels notified to the MMO in accordance with Condition 12 are permitted to carry out the licensed activities.
- (3) Copies of this licence must also be available for inspection at the following locations—
  - (a) the undertaker’s registered address;
  - (b) any site office located at or adjacent to the construction site and used by the undertaker or its agents and contractors responsible for the loading, transportation or deposit of the authorised deposits; and
  - (c) on board each vessel or at the office of any transport manager with responsibility for vessels from which authorised deposits are to be made.
- (4) The documents referred to in sub-paragraph (1)(c) must be available for inspection by an enforcement officer at all reasonable times at the locations set out in sub-paragraph (3)(b).
- (5) The undertaker must provide access, and if necessary appropriate transportation, to the offshore construction site or any other associated works or vessels to facilitate any inspection that the MMO considers necessary to inspect the works during construction and operation of the authorised scheme.
- (6) The undertaker must inform the MMO Coastal Office in writing at least 5 working days before commencement of the licensed activities or any phase of them.
- (7) Before commencement of the licensed activities or any phase of them, the undertaker must publish in the Kingfisher Fortnightly Bulletin details of the vessel routes, timings and locations relating to the construction of the authorised scheme or relevant phase.
- (8) The undertaker must ensure that a notice to mariners is issued at least 10 working days before commencement of the licensed activities or any phase of them advising of the commencement date of Work No. 1B and the expected vessel routes from the local construction ports to the relevant locations.
- (9) The undertaker must ensure that the notices to mariners are updated and reissued at weekly intervals during construction activities and within 5 days of any planned operations and maintenance works and supplemented with VHF radio broadcasts agreed with the MCA in accordance with the construction programme approved under Condition 9(b). Copies of all notices must be provided to the MMO.
- (10) The undertaker must notify—
  - (a) the United Kingdom Hydrographic Office at least 2 weeks before commencement, and no later than 2 weeks following completion, of the authorised scheme in order that all necessary amendments to nautical charts are made; and
  - (b) the MMO, MCA and Trinity House once the authorised scheme is completed and any required lighting or marking has been established.

### **Chemicals, drilling and debris**

7.—(1) All chemicals used in the construction of the authorised scheme, including any chemical agents placed within any monopile or other foundation structure void, must be selected from the list of notified chemicals approved for use by the offshore oil and gas industry under the Offshore Chemicals Regulations 2002.

(2) The undertaker must ensure that any coatings and treatments are suitable for use in the marine environment and are used in accordance with guidelines approved by Health and Safety Executive or the Environment Agency pollution prevention control guidelines. Any spillages must be reported

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to the MMO marine pollution response team within the timeframes specified in the marine pollution contingency plan.

(3) The storage, handling, transport and use of fuels, lubricants, chemicals and other substances must be undertaken so as to prevent releases into the marine environment, including bunding of 110% of the total volume of all reservoirs and containers.

(4) Where foundation drilling works are proposed, in the event that any system other than water-based mud is proposed, the MMO's written approval in relation to the proposed disposal of any arisings must be obtained before the drilling commences, which may also require a marine licence.

(5) The undertaker must ensure that any debris arising from the construction of the authorised scheme or temporary works placed seaward of MHWS is removed on completion of the authorised scheme.

(6) At least 10 days before commencement of the licensed activities, the undertaker must submit to the MMO an audit sheet covering all aspects of the construction of the licensed activities or any phase of them. The audit sheet must include details of—

- (a) loading facilities;
- (b) vessels;
- (c) equipment;
- (d) shipment routes;
- (e) transport;
- (f) working schedules; and
- (g) all components and materials to be used in the construction of the authorised scheme.

(7) The audit sheet must be maintained throughout the construction of the authorised scheme (or relevant phase) and must be submitted to the MMO for review at fortnightly intervals.

(8) In the event that the MMO becomes aware that any of the materials on the audit sheet cannot be accounted for, it must require the undertaker to carry out a side-scan sonar survey to plot all obstructions across a reasonable area of search agreed with the MMO where construction works and related activities have been carried out. Representatives of the Holderness Fishing Industry Group must be invited to send a representative to be present during the survey. Any obstructions that the MMO believes to be associated with the authorised scheme must be removed at the undertaker's expense.

### **Force majeure**

**8.** If, due to stress of weather or any other cause, the master of a vessel determines that it is necessary to deposit the authorised deposits otherwise than in accordance with Condition 10(2) because the safety of human life or the vessel is threatened—

- (a) within 48 hours full details of the circumstances of the deposit must be notified to the MMO; and
- (b) at the written request of the MMO, the unauthorised deposits must be removed at the expense of the undertaker.

### **Pre-construction plans and documentation**

**9.** The licensed activities or any phase of those activities must not commence until the following (insofar as relevant to that activity or phase of activity) have been submitted to and approved in writing by the MMO—

- (a) a plan to be agreed in writing with the MMO following consultation with Trinity House and the MCA which shows—

- (i) the number, specifications and dimensions of the wind turbine generators;
  - (ii) the proposed location, including grid co-ordinates and choice of foundation types for all wind turbine generators, offshore platforms and meteorological stations;
  - (iii) the dimensions of all monopole, multi-leg and gravity base foundations, if used; and
  - (iv) the proposed layout of HVAC cables,
- to ensure conformity with the description of Work No. 1B and compliance with Conditions 3 to 5;
- (b) a detailed construction and monitoring programme to include details of—
    - (i) the proposed construction commencement date;
    - (ii) proposed timings for mobilisation of plant, delivery of materials and installation works; and
    - (iii) proposed pre-construction surveys, a proposed format and content for a baseline report, construction monitoring, post-construction monitoring and related reporting in accordance with Conditions 14, 15 and 16. The pre-construction survey programme and all pre-construction survey methodologies must be submitted to the MMO for written approval at least 4 months before commencement of any survey works detailed within;
  - (c) a construction method statement in accordance with the construction methods assessed in the environmental statement to include details of—
    - (i) drilling methods and disposal of drill arisings;
    - (ii) turbine, meteorological mast and platform location and installation, including scour protection and foundations;
    - (iii) cable installation;
    - (iv) impact piling including soft start procedures;
    - (v) the source of rock material used in construction and method to minimise contaminants and fines;
    - (vi) contractors;
    - (vii) vessels; and
    - (viii) associated works;
  - (d) a project environmental management and monitoring plan to include details of—
    - (i) a marine pollution contingency plan to address the risks, methods and procedures to deal with any spills and collision incidents during construction and operation of the authorised scheme in relation to all activities carried out;
    - (ii) a chemical risk assessment to include information regarding how and when chemicals are to be used, stored and transported in accordance with recognised best practice guidance;
    - (iii) waste management and disposal arrangements including arrangements to ensure no waste concrete slurry or wash water from concrete or cement work is discharged;
    - (iv) the fisheries liaison officer appointed by the undertaker (to be notified to the District Marine Officer for the MMO's Northern District). Evidence of liaison must be collated so that signatures of attendance at meetings, agenda and minutes of meetings with the fishing industry can be provided to the MMO if requested; and
    - (v) a fisheries liaison plan in accordance with the draft fisheries liaison plan to include information on liaison with the fishing industry (including by the fisheries liaison officer referred to in sub-paragraph (iv)) and a co-existence plan;

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- (e) a marine mammal mitigation protocol, the intention of which is to prevent, amongst other things, injury to marine mammals, primarily auditory injury within the vicinity of any piling, and appropriate monitoring surveys in accordance with the In Principle Monitoring Plan to be agreed in writing with the MMO in consultation with the relevant statutory nature conservation body;
- (f) a cable specification and installation plan following consultation with the relevant statutory nature conservation body, to include—
  - (i) technical specification of offshore cables, including a desk-based assessment of attenuation of electro-magnetic field strengths, shielding and cable burial depth in accordance with industry good practice;
  - (ii) a staged cable-laying plan for the Order limits, incorporating a burial risk assessment to ascertain suitable burial depths and cable-laying techniques;
  - (iii) a scour protection management and cable protection plan providing details of the need, type, sources, quality and installation methods for scour protection and cable protection; and
  - (iv) details of the methodology and extent of post-lay surveys, to confirm burial depths; and
- (g) a written scheme of archaeological investigation in relation to offshore areas within the Order limits in accordance with Chapter 18 Appendix B of the environmental statement, industry good practice and after discussions with English Heritage to include—
  - (i) details of the responsibilities of the undertaker, archaeological consultant and contractor;
  - (ii) a methodology for any further site investigation including any specifications for geophysical, geotechnical and diver- or remotely-operated vehicle investigations;
  - (iii) within 3 months of any surveys being completed a timetable to be submitted to the MMO setting out the timeframe for the analysis and reporting of survey data;
  - (iv) delivery of any mitigation including, where necessary, archaeological exclusion zones;
  - (v) monitoring during and post-construction, including a conservation programme for finds;
  - (vi) archiving of archaeological material including ensuring that a copy of any agreed archaeological report is deposited with the English Heritage archive by submitting an English Heritage OASIS form with a digital copy of the report; and
  - (vii) a reporting and recording protocol, including reporting of any wreck or wreck material during construction, operation and decommissioning of the authorised scheme.

**10.**—(1) Each programme, statement, plan, protocol, scheme or details required to be approved under Condition 9, and the arrangements required to be approved under Condition 5, must be submitted for approval at least 4 months before the intended commencement of construction, except where otherwise stated or unless otherwise agreed in writing by the MMO.

(2) The licensed activities must be carried out in accordance with the programme, statement, plan, protocol, scheme or details approved under Condition 9.

### **Offshore safety management**

**11.**—(1) Offshore works must not commence until the MMO, in consultation with the MCA, has given written approval for an Emergency Response and Co-operation Plan (“ERCoP”) which



includes full details of the ERCoP for the construction, operation and decommissioning phases of the authorised scheme in accordance with the MCA recommendations contained within MGN371 “Offshore Renewable Energy Installations (OREIs) – Guidance on UK Navigational Practice, Safety and Emergency Response Issues”. The ERCoP must include the identification of a point of contact for emergency response.

(2) The ERCoP must be implemented as approved.

(3) No authorised development seaward of MHWS must commence until the MMO, in consultation with the MCA, has confirmed in writing that the undertaker has taken into account and adequately addressed all MCA recommendations as appropriate to the authorised scheme contained within MGN371 “Offshore Renewable Energy Installations (OREIs) – Guidance on UK Navigational Practice, Safety and Emergency Response Issues” and its annexes.

### **Reporting of engaged agents, contractors and vessels**

**12.**—(1) The undertaker must provide the name and function of any agent or contractor appointed to engage in the licensed activities to the MMO at least 2 weeks before the intended commencement of construction.

(2) Each week during the construction of the authorised scheme a completed Hydrographic Note H102 must be provided to the MMO listing the vessels currently and to be used in relation to the licensed activities.

(3) Any changes to the supplied details must be notified to the MMO in writing before the agent, contractor or vessel engages in the licensed activities.

### **Equipment and operation of vessels engaged in licensed activities**

**13.**—(1) All vessels employed to perform the licensed activities must be constructed and equipped to be capable of the proper performance of such activities in accordance with the Conditions and (except in the case of remotely-operated vehicles or vessels) must comply with subparagraphs (2) to (6).

(2) All motor powered vessels must be fitted with—

- (a) an electronic positioning aid to provide navigational data;
- (b) radar;
- (c) an echo-sounder; and
- (d) multi-channel VHF.

(3) No radio beacon or radar beacon operating on the marine frequency bands must be installed or used without the prior written approval of the Secretary of State.

(4) All vessels’ names or identification must be clearly marked on the hull or superstructure.

(5) All communication on VHF working frequencies must be in English.

(6) No vessel must engage in the licensed activities until all the equipment specified in subparagraph (2) is fully operational.

### **Pre-construction monitoring**

**14.**—(1) The undertaker must, in discharging Condition 9(b), submit details for written approval by the MMO of proposed pre-construction surveys, including methodologies and timings, and a proposed format and content for a pre-construction baseline report. The survey proposals must be in accordance with the principles set out in the In Principle Monitoring Plan and must specify each survey’s objectives and explain how it will assist in either informing a useful and valid comparison with the post-construction position or will enable the validation or otherwise of key predictions in

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the environmental statement. The baseline report proposals must ensure that the outcome of the agreed surveys together with existing data and reports are drawn together to present a valid statement of the pre-construction position, with any limitations, and must make clear what post-construction comparison is intended and the justification for this being required.

(2) Subject to receipt from the undertaker of specific proposals pursuant to this Condition, where appropriate and necessary it is expected that the pre-construction surveys will comprise—

- (a) an appropriate survey to determine the location and reasonable extent of any benthic habitats of conservation, ecological or economic importance (including Annex 1 habitats) in whole or in part inside the areas within the Order limits in which it is proposed to carry out construction works;
- (b) appropriate high-resolution bathymetric surveys undertaken to International Hydrographic Organisation Order 1A standard and side-scan surveys of the areas within the Order limits in which it is proposed to carry out construction works, including a 500-metre buffer area around the site of each work. This must include the identification of sites of historic or archaeological interest (A1 and A3 receptors) and any unidentified anomalies larger than 5 metres in diameter (A2 receptors), which may require the refinement, removal or introduction of archaeological exclusion zones and to confirm project-specific micro-siting requirements (for A2 receptors);
- (c) appropriate surveys of existing ornithological activity inside the areas within the Order limits in which it is proposed to carry out construction works, and any wider areas where appropriate, which are required to validate predictions in the environmental statement concerning key ornithological interests of relevance to the authorised scheme; and
- (d) appropriate surveys of sand eel within the Order limits in which it is proposed to carry out construction works, and any wider areas where appropriate which are required to validate predictions in the environmental statement.

(3) The undertaker must carry out and complete the surveys to be undertaken under subparagraph (1) in a timescale which must be agreed with the MMO.

### **Construction monitoring**

**15.**—(1) The undertaker must, in discharging Condition 9(b), submit details for approval by the MMO of any proposed surveys or monitoring, including methodologies and timings, to be carried out during the construction of the authorised scheme.

(2) The details of the construction monitoring must be submitted at least 4 months before commencement of any survey works and provide the agreed reports in the agreed format in accordance with the agreed timetable. The survey proposals must be in accordance with the principles set out in the In Principle Monitoring Plan and must specify each survey's objectives. The construction surveys must comprise—

- (a) where driven or part-driven pile foundations (for each specific foundation type) are proposed to be used, measurements of noise generated by the installation of 1 pile from each of the first 4 structures with piled foundations, following which the MMO must determine whether further noise monitoring is required. The results of the initial noise measurements must be provided to the MMO within 6 weeks of the installation of the first relevant foundation piece. The assessment of this report by the MMO must determine whether any further noise monitoring is required;
- (b) vessel traffic monitoring by Automatic Identification System, including the provision of reports on the results of that monitoring periodically as requested by the MMO; and
- (c) appropriate surveys of ornithological activity inside the areas within the Order limits in which it is proposed to carry out construction works, and any wider areas where

appropriate, dependent on the outcomes of the pre-construction surveys, as agreed with the MMO in consultation with the relevant statutory nature conservation body.

### **Post-construction surveys**

**16.—(1)** The undertaker must, in discharging Condition 9(b), submit details for written approval by the MMO of the post-construction surveys proposed in sub-paragraph (2), including methodologies and timings, and a proposed format, content and timings for providing reports on the results at least 4 months before commencement of any survey works detailed within. The survey proposals must be in accordance with the principles set out in the In Principle Monitoring Plan and must specify each survey's objectives and explain how it will assist in either informing a useful and valid comparison with the pre-construction position or will enable the validation or otherwise of key predictions in the environmental statement.

(2) Subject to receipt of specific proposals, it is expected that the post-construction surveys will comprise—

- (a) appropriate surveys of ornithological activity inside the areas within the Order limits in which construction works were carried out, and any wider areas where appropriate, which are required to validate predictions in the environmental statement concerning key ornithological interests of relevance to the authorised scheme;
- (b) appropriate high-resolution bathymetric surveys undertaken to International Hydrographic Organisation Order 1A standard and side-scan sonar surveys around a sample of infrastructure locations that are considered appropriate to assess any changes in seabed topography. For this purpose, the undertaker must before the first such survey submit a desk-based assessment (which takes account of all factors which influence scour) to identify the sample of infrastructure locations that are considered appropriate with greatest potential for scour. The survey will be used to validate the desk-based assessment. Further surveys may be required if there are significant differences between the modelled scour and recorded scour;
- (c) appropriate surveys of sand eel within the Order limits in which construction works were carried out, and any wider areas where appropriate;
- (d) dependent on the outcome of the surveys undertaken under Condition 14(2)(a), appropriate surveys to determine the effects of construction activity on any benthic habitats of conservation, ecological or economic importance (including Annex 1 habitats) in whole or in part inside the areas within the Order limits to validate predictions made in the environmental statement;
- (e) vessel traffic monitoring by Automatic Identification System totalling a maximum of 28 days taking account of seasonal variations in traffic patterns over 1 year, following the commencement of commercial operation. A report must be submitted to the MMO and the MCA following the end of the monitoring; and
- (f) appropriate surveys to determine change in size and form of the drill disposal mounds over the lifetime of the authorised scheme.

(3) The undertaker must carry out the surveys under sub-paragraph (1) and provide the reports in the agreed format in accordance with the timetable as agreed in writing with the MMO following consultation with the relevant statutory nature conservation body.

### **Post-construction maintenance plan**

**17.—(1)** A post-construction maintenance plan must be submitted for written approval by the MMO at least 4 months before the licensed activities are commissioned, based on the maintenance in the outline maintenance plan.

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(2) An update to the post-construction maintenance plan must be submitted for approval every 3 years, or sooner in the event of any proposed major revision to planned maintenance activities or the adoption of any new technologies or techniques applicable to programmed maintenance.

(3) Maintenance must be carried out as approved.

### **Aids to navigation**

**18.**—(1) Before commencement of the authorised scheme, an aids to navigation management plan must be approved in writing by the MMO following consultation with Trinity House and MCA specifying the—

- (a) aids to navigation to be established from the commencement of the authorised scheme to the completion of decommissioning;
- (b) monitoring and reporting of the availability of aids to navigation; and
- (c) notifications and procedures for ensuring navigational safety following failures to aids to navigation.

(2) The licensed activities must be carried out in accordance with the plan approved under this Condition.

**19.** The undertaker must keep Trinity House and the MMO informed of progress of the authorised scheme seaward of MHWS including—

- (a) notice of commencement of construction of the authorised scheme within 24 hours of commencement having occurred;
- (b) notice within 24 hours of any aids to navigation being established by the undertaker; and
- (c) notice within 5 working days of completion of construction of the authorised scheme.

**20.** The undertaker must notify Trinity House and the MMO of any failure of the aids to navigation, including timescales and plans for remedying such failures, as soon as possible and no later than 24 hours following the detection of any such failure.

**21.** The undertaker must at or near the authorised scheme during the whole period of the construction, operation, alteration, replacement or decommissioning of the authorised scheme seaward of MHWS exhibit such lights, marks, sounds, signals and other aids to navigation, and take such other steps for the prevention of danger to navigation, as Trinity House may from time to time direct following consultation with the MMO.

**22.** The undertaker must submit reports quarterly to the MMO and Trinity House detailing the working condition of aids to navigation. Reports may be requested more frequently by MMO or Trinity House and must be submitted by the undertaker as specified.

**23.** In case of damage to, or destruction or decay of, the authorised scheme seaward of MHWS or any part of it, the undertaker must as soon as possible and no later than 24 hours following the identification of damage, destruction or decay, notify Trinity House and MMO. The undertaker must also lay down such buoys, exhibit such lights and take such other steps for preventing danger to navigation as directed by Trinity House following consultation with the MMO.

### **Colour of authorised scheme**

**24.**—(1) The undertaker must colour all structures that are part of the authorised scheme seaward of MHWS yellow (colour code RAL 1023) from at least HAT to a height approved by the MMO following consultation with Trinity House.

(2) Details of the remainder of the structures must be submitted to and approved in writing by the MMO following consultation with Trinity House before commencement of the authorised scheme.

- (3) The structures must be coloured in accordance with the approved details.

### **Amendments to plans, etc.**

**25.** Where any Condition requires licensed activities to be carried out in accordance with any programme, statement, plan, protocol, scheme, details or arrangements approved by the MMO, the approved programme, statement, plan, protocol, scheme, details or arrangements must be taken to include any amendments that may subsequently be approved in writing by the MMO (after consulting any person that the MMO is required to consult under the relevant Condition).

## SCHEDULE 10

Articles 2 and 39

Marine Licence 3: Project A Offshore (Transmission – Works No. 2A, 3A and 2T)

## PART A

### Licensed activities

#### **Interpretation**

**1.—(1)** In this licence—

“2004 Act” means the Energy Act 2004;

“2009 Act” means the Marine and Coastal Access Act 2009;

“Annex 1 habitat” means a habitat set out in Annex 1 to Council [Directive 92/43/EEC](#) of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora;

“authorised deposits” means the substances and articles specified in paragraph 2(3);

“authorised scheme” means Works No. 1A, 2A, 3A and 2T described in paragraph 2 or any part or phase of those works;

“cable crossings” means the crossing of existing subsea cables and pipelines by the inter-array, interconnecting or export cables authorised by the Order together with physical protection measures including cable protection;

“cable protection” means any measures to protect cables and prevent loss of seabed sediment, for example by use of grout bags, protective aprons, mattresses, flow energy dissipation devices or rock and gravel burial;

“combined platform” means a single offshore platform constructed in an array area comprising 2 or more of the following—

- (a) an offshore collector platform;
- (b) an offshore converter platform;
- (c) an offshore accommodation or helicopter platform;

“commence” means the first carrying out of any part of the licensed activities except for the pre-construction surveys and monitoring; and “commencement” must be construed accordingly;

“Condition” means a condition in Part B;

“draft fisheries liaison plan” means the document certified as the draft fisheries liaison plan by the Secretary of State for the purposes of the Order;

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“enforcement officer” means a person authorised to carry out enforcement duties under Chapter 3 of the 2009 Act;

“environmental statement” means the document certified as the environmental statement by the Secretary of State for the purposes of the Order and submitted with the application together with any supplementary or further environmental information submitted in support of the application;

“gravity base foundation” means a foundation type which rests on the seabed and supports the wind turbine generator, meteorological station or offshore platform primarily due to its own weight and that of added ballast, with or without skirts or other additional fixings, which may include associated equipment including J-tubes and access platforms and separate topside connection structures or an integrated transition piece. (Sub-types for wind turbine generators and meteorological stations include conical gravity base and flat-based gravity base. Sub-types for platforms include offshore platform conical or flat-base gravity base foundations and offshore platform semi-submersible gravity base foundations);

“HAT” means highest astronomical tide;

“HVAC” means high voltage alternating current;

“HVDC” means high voltage direct current;

“In Principle Monitoring Plan” means the document certified as the In Principle Monitoring Plan by the Secretary of State for the purposes of the Order;

“Kingfisher Fortnightly Bulletin” means the bulletin published by the Humber Seafood Institute or such other alternative publication approved in writing by the MMO;

“licensed activities” means the activities specified in this Part;

“maintain” includes inspect, repair, adjust and alter, and further includes remove, reconstruct and replace any of the ancillary works in Part 2 of Schedule 1 (ancillary works) to the Order and any component part of any offshore platform, meteorological station, electricity or communication cable described in Part 1 of that Schedule (authorised development) (but not including the removal or replacement of foundations) to the extent outlined within the post-construction maintenance plan; and “maintenance” must be construed accordingly;

“MCA” means the Maritime and Coastguard Agency;

“MHWS” (mean high water springs) means the highest level which spring tides reach on average over a period of time;

“MLWS” (mean low water springs) means the average of the low water heights occurring at the time of spring tides;

“MMO” means the Marine Management Organisation;

“multi-leg foundation” means foundation options based around structures with several legs or footings. This includes jackets, tripods, and other structures which include multiple large tubulars, cross-bracing, or lattices. Multi-leg foundations may be fixed to the seabed by footings which are driven, drilled, screwed, jacked-up or embedded into the seabed by means such as suction or gravity. (Sub-types for wind turbine generators and meteorological stations include multi-legs with driven piles, drilled piles, screw piles, suction buckets or jack-up foundations. Sub-types for platforms include offshore platform jacket foundations (potentially using driven piles, suction buckets or screw piles) and offshore platform jack-up foundations);

“notice to mariners” includes any notice to mariners which may be issued by the Admiralty, Trinity House, Queen’s harbourmasters, government departments and harbour and pilotage authorities;

“offshore collector platform” means a platform (either singly or as part of a combined platform) housing or incorporating electrical switchgear or electrical transformers, electrical

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systems such as metering and control systems, J-tubes, landing facilities for vessels and helicopters, re-fuelling facilities, accommodation for staff during the construction, operation and decommissioning of the authorised scheme, communication and control systems, auxiliary and uninterruptible power supplies, large-scale energy storage systems, standby electricity generation equipment, cranes, storage for waste and consumables including fuel, marking and lighting and other associated equipment and facilities;

“offshore converter platform” means a platform (either singly or as part of a combined platform) housing or incorporating HVDC electrical switchgear or electrical transformers and other equipment to enable HVDC transmission to be used to convey the power output of the multiple wind turbine generators to shore including electrical systems such as metering and control systems, J-tubes, landing facilities for vessels and helicopters, re-fuelling facilities, accommodation for staff during the construction, operation and decommissioning of the authorised scheme, communication and control systems, auxiliary and uninterruptible power supplies, large-scale energy storage systems, standby electricity generation equipment, cranes, storage for waste and consumables including fuel, marking and lighting and other associated equipment and facilities;

“offshore Order limits plan” means the plans certified as the offshore Order limits and grid co-ordinates plan by the Secretary of State for the purposes of the Order;

“offshore platform” means any of the following—

- (a) an offshore accommodation or helicopter platform;
- (b) an offshore collector platform;
- (c) an offshore converter platform;
- (d) a combined platform;

“onshore Order limits plan” means the plans certified as the onshore Order limits and grid co-ordinates plan by the Secretary of State for the purposes of the Order;

“Order” means the Dogger Bank Creyke Beck Offshore Wind Farm Order 2015;

“Order limits” means the limits shown on the offshore and onshore Order limits plans;

“outline maintenance plan” means the document certified as the outline maintenance plan by the Secretary of State for the purposes of the Order;

“scour protection” means protection against foundation scour and subsea damage, for example from trawling, through reinforcement measures and measures to prevent loss of seabed sediment around foundation bases. These measures include the use of bagged solutions filled with grout or other materials, protective aprons, mattresses, flow energy dissipation devices and rock and gravel burial;

“undertaker” means Doggerbank Project 1 Bizco Limited (company number 7791991) whose registered office is 55 Vastern Road, Reading, Berkshire RG1 8BU;

“vessel” means every description of vessel, however propelled or moved, and includes a non-displacement craft, a personal watercraft, a seaplane on the surface of the water, a hydrofoil vessel, a hovercraft or any other amphibious vehicle and any other thing constructed or adapted for movement through, in, on or over water and which is at the time in, on or over water.

(2) In this licence, a reference to any statute, order, regulation or similar instrument is a reference to a statute, order, regulation or instrument as amended by any subsequent statute, order, regulation or instrument or as contained in any subsequent re-enactment.

(3) In this licence, unless otherwise indicated,—

- (a) all times are Greenwich Mean Time (GMT);
- (b) all co-ordinates are latitude and longitude decimal degrees to 6 decimal places. The datum system used is WGS84.

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(4) Except where otherwise notified in writing by the relevant organisation, the primary point of contact with the organisations listed below, and the address for returns and correspondence, is—

- (a) Marine Management Organisation
  - Marine Licensing Team
  - Lancaster House
  - Hampshire Court
  - Newcastle-upon-Tyne NE4 7YH
  - Email: [marine.consents@marinemanagement.org.uk](mailto:marine.consents@marinemanagement.org.uk)
  - Tel: 0300 123 1032;
- (b) Trinity House
  - Tower Hill
  - London EC3N 4DH
  - Tel: 020 7481 6900;
- (c) United Kingdom Hydrographic Office
  - Admiralty Way
  - Taunton
  - Somerset TA1 2DN
  - Tel: 01823 337 900;
- (d) Maritime and Coastguard Agency
  - Navigation Safety Branch
  - Bay 2/04
  - Spring Place
  - 105 Commercial Road
  - Southampton SO15 1EG
  - Tel: 023 8032 9191;
- (e) Centre for Environment, Fisheries and Aquaculture Science
  - Pakefield Road
  - Lowestoft
  - Suffolk NR33 0HT
  - Tel: 01502 562 244;
- (f) Natural England
  - Foundry House
  - 3 Millsands
  - Riverside Exchange
  - Sheffield S3 8NH
  - Tel: 0300 060 4911;
- (g) JNCC
  - Inverdee House
  - Baxter Street
  - Aberdeen AB11 9QA



Tel: 01224 266 550;

(h) English Heritage

37 Tanner Row

York YO1 6WP

Tel: 01904 601901.

(5) For information only, the details of the local MMO office to the authorised scheme is—  
Marine Management Organisation

Northern Marine Area

Neville House

Central Riverside

Bell Street

North Shields

Tyne and Wear NE30 1LJ

Tel: 0191 257 4520.

#### **Details of licensed activities**

2.—(1) This licence authorises the undertaker (and any agent or contractor acting on its behalf) to carry out the following licensable marine activities under Part 4 of the 2009 Act, subject to the Conditions—

- (a) the deposit at sea of the substances and articles specified in sub-paragraph (3);
- (b) the construction of works in or over the sea or on or under the sea bed including the removal, reconstruction or alteration of the position of subsea cables and pipelines; and
- (c) the removal of sediment samples for the purposes of informing environmental monitoring under this licence during pre-construction, construction and operation.

(2) Subject to sub-paragraphs (5) and (6), such activities are authorised in relation to the construction, maintenance and operation of—

Work No. 1A—

- (a) an offshore wind turbine generating station with a gross electrical output capacity of up to 1.2 gigawatts comprising up to 200 wind turbine generators each fixed to the seabed by monopole, multi-leg or gravity base type foundations situated within the co-ordinates of the array area specified in the Table 1A;

**Table 1A - Co-ordinates of array area**

<i>Point</i>	<i>Latitude (decimal degrees)</i>	<i>Longitude (decimal degrees)</i>
CBA-1	54.835241	1.633573
CBA-2	54.838412	2.174407
CBA-3	54.808700	2.227327
CBA-4	54.659286	1.976949
CBA-5	54.741685	1.632884

- (b) up to 7 offshore platforms comprising the following—

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- (i) up to 4 offshore collector platforms situated within the co-ordinates of the array area specified in Table 1A and being fixed to the seabed by multi-leg or gravity base type foundations;
- (ii) 1 offshore converter platform situated within the co-ordinates of the array area specified in Table 1A and being fixed to the seabed by multi-leg or gravity base type foundations; and
- (iii) up to 2 offshore accommodation or helicopter platforms situated within the co-ordinates of the array area specified in Table 1A and being fixed to the seabed by multi-leg or gravity base type foundations,

provided that any of the platforms comprised in Work No. 1A(b)(i) to (iii) may be co-joined to create a combined platform fixed to the seabed by multi-leg or gravity base type foundations;

- (c) up to 5 meteorological stations situated within the co-ordinates of the array area specified in Table 1A either fixed to the seabed by monopole, multi-leg or gravity base type foundations or utilising a floating support structure anchored to the seabed; and
- (d) a network of cables for the transmission of electricity and electronic communications laid on or beneath the seabed including cable crossings between—
  - (i) any of the wind turbine generators comprising Work No. 1A(a);
  - (ii) any of the wind turbine generators comprising Work No. 1A(a) and any of the works comprising Work No. 1A(b) or (c); and
  - (iii) any of the works comprising Work No. 1A(b) to and any of the works comprising Work No. 1A(c); and
  - (iv) the offshore converter platform comprising Work No. 1A(b)(ii) or the combined platforms referred to in Work No. 1A(b) and the export cable route in Work No. 2A;
- (e) Work No. 2A – up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid on or beneath the seabed between the offshore converter platform comprising Work No. 1A(b)(ii) or the combined platforms referred to in Work No. 1A(b) and Work No. 3A including cable crossings and situated within the co-ordinates of the export cable corridor area specified in the offshore Order limits plan;
- (f) Work No. 3A – up to 2 export cables for the transmission of HVDC electricity together with fibre-optic cables for the transmission of electronic communications between MLWS and MHWS and connecting Work No. 2A with Work No. 4A;
- (g) Work No. 2T – a temporary work area for vessels to carry out intrusive activities during construction, including vessels requiring anchor spreads alongside the cable corridors; and
- (h) Ancillary works in connection with the above-mentioned works comprising—
  - (a) temporary landing places, moorings or other means of accommodating vessels in the construction or maintenance of the authorised scheme;
  - (b) temporary or permanent buoys, beacons, fenders and other navigational warning or ship impact protection works;
  - (c) temporary works for the protection of land or structures affected by the authorised scheme;
  - (d) cable protection, scour protection or dredging; and
  - (e) cable route preparation works including boulder removal and obstruction clearance, dredging and pre-sweeping.

- (3) The substances or articles authorised for deposit at sea are—
- (a) iron, steel and aluminium;
  - (b) stone and rock;
  - (c) concrete and grout;
  - (d) sand and gravel;
  - (e) plastic and synthetic;
  - (f) material extracted from within the offshore Order limits during construction drilling and seabed preparation for foundation works and cable sandwave preparation works; and
  - (g) marine coatings, other chemicals and timber.

(4) This licence does not permit the decommissioning of the authorised scheme. No decommissioning activity must commence until a decommissioning programme has been approved by the Secretary of State under section 106 of the 2004 Act. Furthermore, at least 4 months before carrying out any such works, the undertaker must notify the MMO of the proposed decommissioning activity to establish whether a marine licence is required for such works.

(5) This licence does not permit the construction of Work No. 1A(a).

(6) This licence and Marine Licence 1 (as defined in the Order), when taken together, do not authorise the construction of more than 1 Work No. 1A or the construction of Work No. 1A in excess of the maximum parameters for that Work set out in Schedule 1 to the Order.

## PART B

### Conditions

#### Detailed offshore design parameters

**3.—**(1) The dimensions of any offshore collector platforms forming part of the authorised scheme (excluding towers, helicopter landing pads, masts and cranes) must not exceed 75 metres in length, 75 metres in width and 85 metres in height above HAT.

(2) The dimensions of any offshore converter platform forming part of the authorised scheme (excluding towers, helicopter landing pads, masts and cranes) must not exceed 125 metres in length, 100 metres in width and 105 metres in height above HAT.

(3) The dimensions of any combined platform forming part of the authorised scheme (excluding towers, helicopter landing pads, masts and cranes) must not exceed the total footprint of the individual platforms incorporated within it.

(4) Offshore platform foundation structures forming part of the authorised scheme must be 1 of the following foundation options: gravity base or multi-leg.

(5) No offshore platform foundation structure employing a footing of driven piles forming part of the authorised scheme must—

- (a) have more than 24 driven piles;
- (b) have a pile diameter of greater than 2.744 metres and employ a hammer energy during installation of greater than 1,900 kilojoules.

(6) No offshore platform foundation must have a seabed footprint area of subsea scour protection (excluding foundation footprint) of more than 8,742 square metres.

(7) The foundations for offshore platforms must not exceed the dimensions set out below—

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<i>Foundation type</i>	<i>Offshore collector platform (multi-leg or gravity base foundation)</i>	<i>Offshore converter platform (multi-leg or gravity base foundation)</i>
Maximum seabed footprint area per foundation (excluding scour protection) in square metres	5,625	12,500

(8) The number of HVDC cables within Works No. 2A and 3A must not exceed 2. The total length of HVDC cables within Works No. 1A, 2A and 3A must not exceed 420 kilometres.

(9) The total cable protection for HVAC inter-platform cables (excluding cable crossings) must not exceed an area of 0.9997 square kilometres or a volume of 972,150 cubic metres within Work No. 1A.

(10) The total export cable protection (excluding cable crossings) must not exceed an area of 1.3391 square kilometres or a volume of 1,302,200 cubic metres.

(11) No cable protection must be employed within 350 metres seaward of MLWS, measured as a straight line.

(12) Cable protection must be limited to 10% of the cumulative length of all cables laid between MLWS and the 10-metre depth contour as measured against lowest astronomical tide before the commencement of construction.

(13) The length of HVAC cables comprising Work. No 1A must not exceed 320 kilometres.

#### **Layout rules**

4.—(1) The offshore platforms must be positioned in accordance with the principles within section 5.2 of Chapter 5 of the environmental statement.

(2) No construction of any offshore platform must commence until the MMO has approved its general position. These general layout arrangements must specify the physical point of connection between generation and transmission assets for Project A (as defined in the Order).

(3) The construction of the offshore platforms must be carried out as approved.

#### **Notifications and inspections**

5.—(1) The undertaker must ensure that—

- (a) before any licensed activities are carried out under this licence, the undertaker informs the MMO of—
  - (i) the name of the person undertaking the licensed activities;
  - (ii) the works being undertaken pursuant to this licence comprising those works necessary from the point of connection with the generation assets;
  - (iii) the maximum total area and volume for any cable protection for HVAC inter-array cables and HVAC inter-platform cables to be constructed within the array area pursuant to this licence; and
  - (iv) the maximum total area and volume for any cable protection to be constructed within the array area pursuant to this licence;
- (b) any works notified under this Condition when combined with any works notified under Condition 6 of Marine Licences 1 and 2 (as defined in the Order) and Condition 5 of Marine Licence 4 (as defined in the Order) do not exceed the maximum parameters set out in Schedule 1 to the Order;

- (c) a copy of this licence (issued as part of the grant of the Order) and any subsequent amendments or revisions to it is provided to—
    - (i) all agents and contractors notified to the MMO in accordance with Condition 11; and
    - (ii) the masters and transport managers responsible for the vessels notified to the MMO in accordance with Condition 11;
  - (d) within 28 days of receipt of a copy of this licence the persons referred to in paragraph (c) provide a completed confirmation form to the MMO confirming that they have read and will comply with the terms of this licence.
- (2) Only the persons and vessels notified to the MMO in accordance with Condition 11 are permitted to carry out the licensed activities.
- (3) Copies of this licence must also be available for inspection at the following locations—
- (a) the undertaker’s registered address;
  - (b) any site office located at or adjacent to the construction site and used by the undertaker or its agents and contractors responsible for the loading, transportation or deposit of the authorised deposits; and
  - (c) on board each vessel or at the office of any transport manager with responsibility for vessels from which authorised deposits are to be made.
- (4) The documents referred to in sub-paragraph (1)(c) must be available for inspection by an enforcement officer at all reasonable times at the locations set out in sub-paragraph (3)(b).
- (5) The undertaker must provide access, and if necessary appropriate transportation, to the offshore construction site or any other associated works or vessels to facilitate any inspection that the MMO considers necessary to inspect the works during construction and operation of the authorised scheme.
- (6) The undertaker must inform the MMO Coastal Office in writing at least 5 working days before commencement of the licensed activities or any phase of them.
- (7) Before commencement of the licensed activities or any phase of them, the undertaker must publish in the Kingfisher Fortnightly Bulletin details of the vessel routes, timings and locations relating to the construction of the authorised scheme or relevant phase.
- (8) The undertaker must ensure that a notice to mariners is issued at least 10 working days before commencement of the licensed activities or any phase of them advising of the commencement date of Works No. 2A and 3A and the expected vessel routes from the local construction ports to the relevant locations.
- (9) The undertaker must ensure that the notices to mariners are updated and reissued at weekly intervals during construction activities and within 5 days of any planned operations and maintenance works and supplemented with VHF radio broadcasts agreed with the MCA in accordance with the construction programme approved under Condition 8(1)(b). Copies of all notices must be provided to the MMO.
- (10) The undertaker must notify—
- (a) the United Kingdom Hydrographic Office at least 2 weeks before commencement, and no later than 2 weeks following completion, of the authorised scheme in order that all necessary amendments to nautical charts are made; and
  - (b) the MMO, MCA and Trinity House once the authorised scheme is completed and any required lighting or marking has been established.

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## **Chemicals, drilling and debris**

6.—(1) All chemicals used in the construction of the authorised scheme, including any chemical agents placed within any monopile or other foundation structure void, must be selected from the list of notified chemicals approved for use by the offshore oil and gas industry under the Offshore Chemicals Regulations 2002.

(2) The undertaker must ensure that any coatings and treatments are suitable for use in the marine environment and are used in accordance with guidelines approved by Health and Safety Executive or the Environment Agency pollution prevention control guidelines. Any spillages must be reported to the MMO marine pollution response team within the timeframes specified in the marine pollution contingency plan.

(3) The storage, handling, transport and use of fuels, lubricants, chemicals and other substances must be undertaken so as to prevent releases into the marine environment, including bunding of 110% of the total volume of all reservoirs and containers.

(4) The undertaker must ensure that any debris arising from the construction of the authorised scheme or temporary works placed seaward of MHWS is removed on completion of the authorised scheme.

(5) At least 10 days before commencement of the licensed activities, the undertaker must submit to the MMO an audit sheet covering all aspects of the construction of the licensed activities or any phase of them. The audit sheet must include details of—

- (a) loading facilities;
- (b) vessels;
- (c) equipment;
- (d) shipment routes;
- (e) transport;
- (f) working schedules; and
- (g) all components and materials to be used in the construction of the authorised scheme.

(6) The audit sheet must be maintained throughout the construction of the authorised scheme (or relevant phase) and must be submitted to the MMO for review at fortnightly intervals.

(7) In the event that the MMO becomes aware that any of the materials on the audit sheet cannot be accounted for, it must require the undertaker to carry out a side-scan sonar survey to plot all obstructions across a reasonable area of search agreed with the MMO where construction works and related activities have been carried out. Representatives of the Holderness Fishing Industry Group must be invited to send a representative to be present during the survey. Any obstructions that the MMO believes to be associated with the authorised scheme must be removed at the undertaker's expense.

## **Force majeure**

7. If, due to stress of weather or any other cause, the master of a vessel determines that it is necessary to deposit the authorised deposits otherwise than in accordance with Condition 9(2) because the safety of human life or the vessel is threatened—

- (a) within 48 hours full details of the circumstances of the deposit must be notified to the MMO; and
- (b) at the written request of the MMO, the unauthorised deposits must be removed at the expense of the undertaker.

### **Pre-construction plans and documentation**

8.—(1) The licensed activities or any phase of those activities must not commence until the following (insofar as relevant to that activity or phase of activity) have been submitted to and approved in writing by the MMO—

- (a) a plan to be agreed in writing with the MMO following consultation with Trinity House and the MCA which sets out the proposed details of the authorised scheme to ensure conformity with the description of Works No. 2A and 3A. This includes—
  - (i) the proposed layout of the HVAC and HVDC cables;
  - (ii) the proposed location, including grid co-ordinates, and choice of foundation types for any offshore platforms; and
  - (iii) the dimensions of all monopole, multi-leg and gravity foundations, if used;
- (b) a detailed construction and monitoring programme to include details of—
  - (i) the proposed construction commencement date;
  - (ii) proposed timings for mobilisation of plant, delivery of materials and installation works; and
  - (iii) proposed pre-construction surveys, a proposed format and content for a baseline report, construction monitoring, post-construction monitoring and related reporting in accordance with Conditions 13, 14 and 15. The pre-construction survey programme and all pre-construction survey methodologies must be submitted to the MMO for written approval at least 4 months before commencement of any survey works detailed within;
- (c) a construction method statement in accordance with the construction methods assessed in the environmental statement to include details of—
  - (i) drilling methods and disposal of drill arisings;
  - (ii) platform location and installation, including scour protection and foundations;
  - (iii) cable installation;
  - (iv) impact piling including soft start procedures;
  - (v) the source of rock material used in construction and method to minimise contaminants and fines;
  - (vi) contractors;
  - (vii) vessels; and
  - (viii) associated works;
- (d) a project environmental management and monitoring plan to include details of—
  - (i) a marine pollution contingency plan to address the risks, methods and procedures to deal with any spills and collision incidents during construction and operation of the authorised scheme in relation to all activities carried out;
  - (ii) a chemical risk assessment to include information regarding how and when chemicals are to be used, stored and transported in accordance with recognised best practice guidance;
  - (iii) waste management and disposal arrangements including arrangements to ensure no waste concrete slurry or wash water from concrete or cement work is discharged;
  - (iv) the fisheries liaison officer appointed by the undertaker (to be notified to the District Marine Officer for the MMO's Northern District). Evidence of liaison must be collated so that signatures of attendance at meetings, agenda and minutes of meetings with the fishing industry can be provided to the MMO if requested;

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- (v) a fisheries liaison plan in accordance with the draft fisheries liaison plan to include information on liaison with the fishing industry (including by the fisheries liaison officer referred to in sub-paragraph (iv)) and a co-existence plan; and
  - (vi) a mitigation scheme for any features of ecological importance identified by the survey referred to in Condition 13(2)(a);
  - (e) a marine mammal mitigation protocol, the intention of which is to prevent, amongst other things, injury to marine mammals, primarily auditory injury within the vicinity of any piling, and appropriate monitoring surveys in accordance with the In Principle Monitoring Plan, to be agreed in writing with the MMO in consultation with the relevant statutory nature conservation body;
  - (f) a cable specification and installation plan following consultation with the relevant statutory nature conservation body, to include—
    - (i) technical specification of offshore cables, including a desk-based assessment of attenuation of electro-magnetic field strengths, shielding and cable burial depth in accordance with industry good practice;
    - (ii) a staged cable-laying plan for the Order limits, incorporating a burial risk assessment to ascertain suitable burial depths and cable-laying techniques;
    - (iii) a cable protection plan providing details of the need, type, sources, quality and installation methods for cable protection; and
    - (iv) details of the methodology and extent of post-lay survey, to confirm burial depths; and
  - (g) a written scheme of archaeological investigation in relation to offshore areas within the Order limits in accordance with Chapter 18 Appendix B of the environmental statement, industry good practice and after discussions with English Heritage to include—
    - (i) details of the responsibilities of the undertaker, archaeological consultant and contractor;
    - (ii) a methodology for any further site investigation including any specifications for geophysical, geotechnical and diver- or remotely-operated vehicle investigations;
    - (iii) within 3 months of any survey being completed, a timetable to be submitted to the MMO setting out the timeframe for analysis and reporting of survey data;
    - (iv) delivery of any mitigation including, where necessary, archaeological exclusion zones;
    - (v) monitoring during and post-construction, including a conservation programme for finds;
    - (vi) archiving of archaeological material including ensuring that a copy of any agreed archaeological report is deposited with the English Heritage archive by submitting an English Heritage OASIS form with a digital copy of the report; and
    - (vii) a reporting and recording protocol, including reporting of any wreck or wreck material during construction, operation and decommissioning of the authorised scheme.
- (2) In the event that a temporary cofferdam is constructed in Work No. 3A, a method statement for the monitoring and redistribution of sediment must be agreed in writing with the MMO.

9.—(1) Each programme, statement, plan, protocol, scheme or details required to be approved under Condition 8, and the arrangements required to be approved under Condition 4, must be submitted for approval at least 4 months before the intended commencement of construction, except where otherwise stated or unless otherwise agreed in writing by the MMO.



(2) The licensed activities must be carried out in accordance with the programme, statement, plan, protocol, scheme or details approved under Condition 8.

### **Offshore safety management**

**10.**—(1) Offshore works must not commence until the MMO, in consultation with the MCA, has given written approval for an Emergency Response and Co-operation Plan (“ERCoP”) which includes full details of the ERCoP for the construction, operation and decommissioning phases of the authorised scheme in accordance with the MCA recommendations contained within MGN371 “Offshore Renewable Energy Installations (OREIs) – Guidance on UK Navigational Practice, Safety and Emergency Response Issues”. The ERCoP must include the identification of a point of contact for emergency response.

(2) The ERCoP must be implemented as approved.

(3) No authorised development seaward of MHWS must commence until the MMO, in consultation with the MCA, has confirmed in writing that the undertaker has taken into account and adequately addressed all MCA recommendations as appropriate to the authorised scheme contained within MGN371 “Offshore Renewable Energy Installations (OREIs) – Guidance on UK Navigational Practice, Safety and Emergency Response Issues” and its annexes.

### **Reporting of engaged agents, contractors and vessels**

**11.**—(1) The undertaker must provide the name and function of any agent or contractor appointed to engage in the licensed activities to the MMO at least 2 weeks before the intended commencement of construction.

(2) Each week during the construction of the authorised scheme a completed Hydrographic Note H102 must be provided to the MMO listing the vessels currently and to be used in relation to the licensed activities.

(3) Any changes to the supplied details must be notified to the MMO in writing before the agent, contractor or vessel engages in the licensed activities.

### **Equipment and operation of vessels engaged in licensed activities**

**12.**—(1) All vessels employed to perform the licensed activities must be constructed and equipped to be capable of the proper performance of such activities in accordance with the Conditions and (except in the case of remotely-operated vehicles or vessels) must comply with subparagraphs (2) to (6).

(2) All motor powered vessels must be fitted with—

- (a) an electronic positioning aid to provide navigational data;
- (b) radar;
- (c) an echo-sounder; and
- (d) multi-channel VHF.

(3) No radio beacon or radar beacon operating on the marine frequency bands must be installed or used without the prior written approval of the Secretary of State.

(4) All vessels’ names or identification must be clearly marked on the hull or superstructure.

(5) All communication on VHF working frequencies must be in English.

(6) No vessel must engage in the licensed activities until all the equipment specified in subparagraph (2) is fully operational.

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### **Pre-construction monitoring**

13.—(1) The undertaker must, in discharging Condition 8(1)(b), submit details for written approval by the MMO of proposed pre-construction surveys, including methodologies and timings, and a proposed format and content for a pre-construction baseline report. The survey proposals must be in accordance with the principles set out in the In Principle Monitoring Plan and must specify each survey's objectives and explain how it will assist in either informing a useful and valid comparison with the post-construction position or will enable the validation or otherwise of key predictions in the environmental statement. The baseline report proposals must ensure that the outcome of the agreed surveys together with existing data and reports are drawn together to present a valid statement of the pre-construction position, with any limitations, and must make clear what post-construction comparison is intended and the justification for this being required.

(2) Subject to receipt from the undertaker of specific proposals pursuant to this Condition, where appropriate and necessary it is expected that the pre-construction surveys will comprise—

- (a) an appropriate survey to determine the location and reasonable extent of any benthic habitats of conservation, ecological or economic importance (including Annex 1 habitats) in whole or in part inside the areas within the Order limits in which it is proposed to carry out construction works; and
- (b) appropriate high-resolution bathymetric surveys undertaken to International Hydrographic Organisation Order 1A standard and side-scan surveys of the areas within Work No. 2A within the Order limits in which it is proposed to carry out construction works. This must include the identification of sites of historic or archaeological interest (A1 and A3 receptors) and any unidentified anomalies larger than 5 metres in diameter (A2 receptors), which may require the refinement, removal or introduction of archaeological exclusion zones and to confirm project-specific micro-siting requirements (for A2 receptors).

(3) The undertaker must carry out and complete the surveys to be undertaken under sub-paragraph (1) in a timescale which must be agreed with the MMO.

### **Construction monitoring**

14. The undertaker must, in discharging Condition 8(1)(b), submit details for approval by the MMO of any proposed surveys or monitoring, including methodologies and timings, to be carried out during the construction of the authorised scheme. The details of the construction monitoring must be submitted at least 4 months before commencement of any survey works and provide the agreed reports in the agreed format in accordance with the agreed timetable. The survey proposals must specify each survey's objectives. In any event, such monitoring must, where driven or part-driven pile foundations (for each specific foundation type) are proposed to be used, include measurements of noise generated by the installation of 1 pile from each of the first 4 structures with piled foundations, following which the MMO must determine whether further noise monitoring is required. The results of the initial noise measurements must be provided to the MMO within 6 weeks of the installation of the first relevant foundation piece. The assessment of this report by the MMO must determine whether any further noise monitoring is required.

### **Post-construction surveys**

15.—(1) The undertaker must, in discharging Condition 8(1)(b), submit details for written approval by the MMO of the post-construction surveys proposed in sub-paragraph (2), including methodologies and timings, and a proposed format, content and timings for providing reports on the results at least 4 months before commencement of any survey works detailed within. The survey proposals must be in accordance with the In Principle Monitoring Plan and must specify each survey's objectives and explain how it will assist in either informing a useful and valid comparison

with the pre-construction position or will enable the validation or otherwise of key predictions in the environmental statement.

(2) Subject to receipt of specific proposals, it is expected that the post-construction surveys will comprise—

- (a) appropriate high-resolution bathymetric surveys undertaken to International Hydrographic Organisation Order 1A standard and side-scan sonar surveys around a sample of infrastructure locations that are considered appropriate to assess any changes in seabed topography. For this purpose, the undertaker must before the first such survey submit a desk-based assessment (which takes account of all factors which influence scour) to identify the sample of infrastructure locations that are considered appropriate with greatest potential for scour. The survey will be used to validate the desk-based assessment. Further surveys may be required if there are significant differences between the modelled scour and recorded scour; and
- (b) dependent on the outcome of the surveys undertaken under Condition 13(2)(a), appropriate surveys to determine the effects of construction activity on any benthic habitats of conservation, ecological or economic importance (including Annex 1 habitats) in whole or in part inside the areas within the Order limits to validate predictions made in the environmental statement.

(3) The undertaker must carry out the surveys under sub-paragraph (1) and provide the reports in the agreed format in accordance with the timetable as agreed in writing with the MMO following consultation with the relevant statutory nature conservation body.

#### **Post-construction maintenance plan**

**16.**—(1) A post-construction maintenance plan must be submitted for written approval by the MMO at least 4 months before the licensed activities are commissioned, based on the maintenance in the outline maintenance plan.

(2) An update to the post-construction maintenance plan must be submitted for approval every 3 years, or sooner in the event of any proposed major revision to planned maintenance activities or the adoption of any new technologies or techniques applicable to programmed maintenance.

(3) Maintenance must be carried out as approved.

#### **Aids to navigation**

**17.**—(1) Before commencement of the authorised scheme, an aids to navigation management plan must be approved in writing by the MMO following consultation with Trinity House and MCA specifying the—

- (a) aids to navigation to be established from the commencement of the authorised scheme to the completion of decommissioning;
- (b) monitoring and reporting of the availability of aids to navigation; and
- (c) notifications and procedures for ensuring navigational safety following failures to aids to navigation.

(2) The licensed activities must be carried out in accordance with the plan approved under this Condition.

**18.** The undertaker must keep Trinity House and the MMO informed of progress of the authorised scheme seaward of MHWS including—

- (a) notice of commencement of construction of the authorised scheme within 24 hours of commencement having occurred;
- (b) notice within 24 hours of any aids to navigation being established by the undertaker; and

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(c) notice within 5 working days of completion of construction of the authorised scheme.

**19.** The undertaker must notify Trinity House and the MMO of any failure of the aids to navigation, including timescales and plans for remedying such failures, as soon as possible and no later than 24 hours following the detection of any such failure.

**20.** The undertaker must at or near the authorised scheme during the whole period of construction, operation, alteration, replacement or decommissioning of the authorised scheme seaward of MHWS exhibit such lights, marks, sounds, signals and other aids to navigation, and take such other steps for the prevention of danger to navigation, as Trinity House may direct following consultation with the MMO.

**21.** The undertaker must submit reports quarterly to the MMO and Trinity House detailing the working condition of aids to navigation. Reports may be requested more frequently by the MMO or Trinity House and must be submitted by the undertaker as specified.

**22.** In case of damage to, or destruction or decay of, the authorised scheme seaward of MHWS or any part of it, the undertaker must as soon as possible and no later than 24 hours following the identification of damage, destruction or decay, notify Trinity House and MMO. The undertaker must also lay down such buoys, exhibit such lights and take such other steps for preventing danger to navigation as directed by Trinity House following consultation with the MMO.

#### **Colour of authorised scheme**

**23.—(1)** The undertaker must colour all structures which are part of the authorised scheme seaward of MHWS yellow (colour code RAL 1023) from at least HAT to a height approved by the MMO following consultation with Trinity House.

(2) Details of the remainder of the structures must be submitted to and approved in writing by the MMO following consultation with Trinity House before commencement of the authorised scheme.

(3) The structures must be coloured in accordance with the approved details.

#### **Amendments to plans, etc.**

**24.** Where any Condition requires licensed activities to be carried out in accordance with any programme, statement, plan, protocol, scheme, details or arrangements approved by the MMO, the approved programme, statement, plan, protocol, scheme, details or arrangements must be taken to include any amendments that may subsequently be approved in writing by the MMO (after consulting any person that the MMO is required to consult under the relevant Condition).

## SCHEDULE 11

Articles 2 and 39

Marine Licence 4: Project B Offshore (Transmission Works No. 2B, 2BA or 2BC, 3B and 2T)

## PART A

### Licensed activities

#### **Interpretation**

**1.—(1)** In this licence—

“2004 Act” means the Energy Act 2004;

- “2009 Act” means the Marine and Coastal Access Act 2009;
- “Annex 1 habitat” means a habitat set out in Annex 1 to Council [Directive 92/43/EEC](#) of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora;
- “authorised deposits” means the substances and articles specified in paragraph 2(3);
- “authorised scheme” means Works No. 1B, 2BA, 2BC, 2B, 3B and 2T described in paragraph 2 or any part or phase of those works;
- “cable crossings” means the crossing of existing subsea cables and pipelines by the inter-array, interconnecting or export cables authorised by the Order together with physical protection measures including cable protection;
- “cable protection” means the measures to protect cables from physical damage and exposure due to loss of seabed sediment, including, but not limited to, the use of bagged solutions filled with grout or other materials, protective aprons or coverings, mattresses, flow energy dissipation devices or rock and gravel burial;
- “combined platform” means a single offshore platform constructed in an array area comprising 2 or more of the following—
- (a) an offshore collector platform;
  - (b) an offshore converter platform;
  - (c) an offshore accommodation or helicopter platform;
- “commence” means the first carrying out of any part of the licensed activities except for the pre-construction surveys and monitoring; and “commencement” must be construed accordingly;
- “Condition” means a condition in Part B;
- “draft fisheries liaison plan” means the document certified as the draft fisheries liaison plan by the Secretary of State for the purposes of the Order;
- “enforcement officer” means a person authorised to carry out enforcement duties under Chapter 3 of the 2009 Act;
- “environmental statement” means the document certified as the environmental statement by the Secretary of State for the purposes of the Order and submitted with the application together with any supplementary or further environmental information submitted in support of the application;
- “gravity base foundation” means a foundation type which rests on the seabed and supports the wind turbine generator, meteorological station or offshore platform primarily due to its own weight and that of added ballast, with or without skirts or other additional fixings, which may include associated equipment including J-tubes and access platforms and separate topside connection structures or an integrated transition piece. (Sub-types for wind turbine generators and meteorological stations include conical gravity base and flat-based gravity base. Sub-types for platforms include offshore platform conical or flat-base gravity base foundations and offshore platform semi-submersible gravity base foundations);
- “HAT” means highest astronomical tide;
- “HVAC” means high voltage alternating current;
- “HVDC” means high voltage direct current;
- “In Principle Monitoring Plan” means the document certified as the In Principle Monitoring Plan by the Secretary of State for the purposes of the Order;
- “Kingfisher Fortnightly Bulletin” means the bulletin published by the Humber Seafood Institute or such other alternative publication approved in writing by the MMO;
- “licensed activities” means the activities specified in this Part;

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“maintain” includes inspect, repair, adjust and alter, and further includes remove, reconstruct and replace any of the ancillary works in Part 2 of Schedule 1 (ancillary works) to the Order and any component part of any offshore platform, meteorological station, electricity or communication cable described in Part 1 of that Schedule (authorised development) (but not including the removal or replacement of foundations) to the extent outlined within the post-construction maintenance plan; and “maintenance” must be construed accordingly;

“MCA” means the Maritime and Coastguard Agency;

“MHWS” (mean high water springs) means the highest level which spring tides reach on average over a period of time;

“MLWS” (mean low water springs) means the average of the low water heights occurring at the time of spring tides;

“MMO” means the Marine Management Organisation;

“multi-leg foundation” means foundation options based around structures with several legs or footings. This includes jackets, tripods, and other structures which include multiple large tubulars, cross-bracing, or lattices. Multi-leg foundations may be fixed to the seabed by footings which are driven, drilled, screwed, jacked-up, or embedded into the seabed by means such as suction or gravity. (Sub-types for wind turbine generators and meteorological stations include multi-legs with driven piles, drilled piles, screw piles, suction buckets or jack-up foundations. Sub-types for platforms include offshore platform jacket foundations (potentially using driven piles, suction buckets or screw piles) and offshore platform jack-up foundations);

“notice to mariners” includes any notice to mariners which may be issued by the Admiralty, Trinity House, Queen’s harbourmasters, government departments and harbour and pilotage authorities;

“offshore collector platform” means a platform (either singly or as part of a combined platform) housing or incorporating electrical switchgear or electrical transformers, electrical systems such as metering and control systems, J-tubes, landing facilities for vessels and helicopters, re-fuelling facilities, accommodation for staff during the construction, operation and decommissioning of the authorised scheme, communication and control systems, auxiliary and uninterruptible power supplies, large-scale energy storage systems, standby electricity generation equipment, cranes, storage for waste and consumables including fuel, marking and lighting and other associated equipment and facilities;

“offshore converter platform” means a platform (either singly or as part of a combined platform) housing or incorporating HVDC electrical switchgear or electrical transformers and other equipment to enable HVDC transmission to be used to convey the power output of the multiple wind turbine generators to shore including electrical systems such as metering and control systems, J-tubes, landing facilities for vessels and helicopters, re-fuelling facilities, accommodation for staff during the construction, operation and decommissioning of the authorised scheme, communication and control systems, auxiliary and uninterruptible power supplies, large-scale energy storage systems, standby electricity generation equipment, cranes, storage for waste and consumables including fuel, marking and lighting and other associated equipment and facilities;

“offshore Order limits plan” means the plans certified as the offshore Order limits and grid coordinates plan by the Secretary of State for the purposes of the Order;

“offshore platform” means any of the following—

- (a) an offshore accommodation or helicopter platform;
- (b) an offshore collector platform;
- (c) an offshore converter platform;
- (d) a combined platform;

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“onshore Order limits plan” means the plans certified as the onshore Order limits and grid co-ordinates plan by the Secretary of State for the purposes of the Order;

“Order” means the Dogger Bank Creyke Beck Offshore Wind Farm Order 2015;

“Order limits” means the limits shown on the offshore and onshore Order limits plans;

“outline maintenance plan” means the document certified as the outline maintenance plan by the Secretary of State for the purposes of the Order;

“scour protection” means protection against foundation scour and subsea damage, for example from trawling, through reinforcement measures and measures to prevent loss of seabed sediment around foundation bases. These measures include the use of bagged solutions filled with grout or other materials, protective aprons, mattresses, flow energy dissipation devices and rock and gravel burial;

“undertaker” means Doggerbank Project 4 Bizco Limited (company number 7914510) whose registered office is 55 Vastern Road, Reading, Berkshire RG1 8BU;

“vessel” means every description of vessel, however propelled or moved, and includes a non-displacement craft, a personal watercraft, a seaplane on the surface of the water, a hydrofoil vessel, a hovercraft or any other amphibious vehicle and any other thing constructed or adapted for movement through, in, on or over water and which is at the time in, on or over water.

(2) In this licence, a reference to any statute, order, regulation or similar instrument is a reference to a statute, order, regulation or instrument as amended by any subsequent statute, order, regulation or instrument or as contained in any subsequent re-enactment.

(3) In this licence, unless otherwise indicated,—

(a) all times are Greenwich Mean Time (GMT);

(b) all co-ordinates are latitude and longitude decimal degrees to 6 decimal places. The datum system used is WGS84.

(4) Except where otherwise notified in writing by the relevant organisation, the primary point of contact with the organisations listed below, and the address for returns and correspondence, is—

(a) Marine Management Organisation

Marine Licensing Team

Lancaster House

Hampshire Court

Newcastle-upon-Tyne NE4 7YH

Email: [marine.consents@marinemanagement.org.uk](mailto:marine.consents@marinemanagement.org.uk)

Tel: 0300 123 1032;

(b) Trinity House

Tower Hill

London EC3N 4DH

Tel: 020 7481 6900;

(c) United Kingdom Hydrographic Office

Admiralty Way

Taunton

Somerset TA1 2DN

Tel: 01823 337 900;

(d) Maritime and Coastguard Agency

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Navigation Safety Branch

Bay 2/04

Spring Place

105 Commercial Road

Southampton SO15 1EG

Tel: 023 8032 9191;

(e) Centre for Environment, Fisheries and Aquaculture Science

Pakefield Road

Lowestoft

Suffolk NR33 0HT

Tel: 01502 562 244;

(f) Natural England

Foundary House

3 Millsands

Riverside Exchange

Sheffield S3 8NH

Tel: 0300 060 4911;

(g) JNCC

Inverdee House

Baxter Street

Aberdeen AB11 9QA

Tel: 01224 266 550;

(h) English Heritage

37 Tanner Row

York YO1 6WP

Tel: 01904 601901.

(5) For information only, the details of the local MMO office to the authorised scheme is—  
Marine Management Organisation

Northern Marine Area

Neville House

Central Riverside

Bell Street

North Shields

Tyne and Wear NE30 1LJ

Tel: 0191 257 4520.

### **Details of licensed activities**

2.—(1) This licence authorises the undertaker (and any agent or contractor acting on its behalf) to carry out the following licensable marine activities under Part 4 of the 2009 Act, subject to the conditions in Part B—



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- (a) the deposit at sea of the substances and articles specified in sub-paragraph (3);
  - (b) the construction of works in or over the sea or on or under the sea bed including the removal, reconstruction or alteration of the position of subsea cables and pipelines; and
  - (c) the removal of sediment samples for the purposes of informing environmental monitoring under this licence during pre-construction, construction and operation.
- (2) Subject to sub-paragraphs (5) and (6), such activities are authorised in relation to the construction, maintenance and operation of—

Work No. 1B—

- (a) an offshore wind turbine generating station with a gross electrical output capacity of up to 1.2 gigawatts comprising up to 200 wind turbine generators each fixed to the seabed by monopole, multi-leg or gravity base type foundations, situated within the co-ordinates of the array area specified in Table 1B;

**Table 1B - Co-ordinates for array area**

<i>Point</i>	<i>Latitude (decimal degrees)</i>	<i>Longitude (decimal degrees)</i>
CBB-1	55.074509	1.505499
CBB-2	55.078127	1.557882
CBB-3	55.100307	1.673135
CBB-4	55.102152	1.854982
CBB-5	54.859236	1.861874
CBB-6	54.870965	1.473897
CBB-7	54.968002	1.488779
CBB-8	54.971992	1.488363

- (b) up to 7 offshore platforms comprising the following—
  - (i) up to 4 offshore collector platforms situated within the co-ordinates of the array area specified in Table 1B and being fixed to the seabed by multi-leg or gravity base type foundations;
  - (ii) 1 offshore converter platform situated within the co-ordinates of the array area specified in Table 1B and being fixed to the seabed by multi-leg or gravity base type foundations; and
  - (iii) up to 2 offshore accommodation or helicopter platforms situated within the co-ordinates of the array area specified in Table 1B and being fixed to the seabed by multi-leg or gravity base type foundations;

provided that any of the platforms comprised in Work No. 1B(b)(i) to (iii) may be co-joined to create a combined platform, fixed to the seabed by multi-leg or gravity base type foundations;
- (c) up to 5 meteorological stations situated within the co-ordinates of the array area specified in the Table 1B either fixed to the seabed by monopole, multi-leg or gravity base type foundations or utilising a floating support structure anchored to the seabed; and
- (d) a network of cables for the transmission of electricity and electronic communications laid on or beneath the seabed including cable crossings between—
  - (i) any of the wind turbine generators comprising Work No. 1B(a);

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- (ii) any of the wind turbine generators comprising Work No. 1B(a) and any of the works comprising Work No. 1B(b) or (c);
- (iii) any of the works comprising Work No. 1B(b) and any of the works comprising Work No. 1B(c); and
- (iv) the offshore converter platform comprising Work No. 1B(b)(ii) or the combined platforms referred to in Work No. 1B(b) and the export cable route in Work No. 2BA or 2BC;

Work No. 2B – up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid on or beneath the seabed between Work No. 2BA or 2BC and Work No. 3B including cable crossings and situated within the co-ordinates of the export cable corridor area specified in the offshore and onshore Order limits plans;

Either—

- (a) Work No. 2BA – up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid on or beneath the seabed between the offshore converter platform comprising Work No. 1B(b)(ii) or the combined platforms referred to in Work No. 1B(b) and Work No. 2B including cable crossings and situated within the co-ordinates of the export cable corridor area specified in the offshore Order limits plan; or
- (b) Work No. 2BC – up to 2 export cables for the transmission of HVDC electricity, together with fibre-optic cables for the transmission of electronic communications, laid on or beneath the seabed between the offshore converter platform comprising Work No. 1B(b)(ii) or the combined platforms referred to in Work No. 1B(b) and Work No. 1A, and between Work No. 1A and Work No. 2B, including cable crossings and situated within the co-ordinates of the export cable corridor area specified in the offshore Order limits plan;

Work No. 3B – up to 2 export cables for the transmission of HVDC electricity together with fibre-optic cables for the transmission of electronic communications, between MLWS and MHWS and connecting Work No. 2B with Work No. 4B;

Work No. 2T – a temporary work area for vessels to carry out intrusive activities during construction, including vessels requiring anchor spreads alongside the cable corridors; and

Ancillary works in connection with the above-mentioned works comprising—

- (a) temporary landing places, moorings or other means of accommodating vessels in the construction or maintenance of the authorised scheme;
- (b) temporary or permanent buoys, beacons, fenders and other navigational warning or ship impact protection works;
- (c) temporary works for the protection of land or structures affected by the authorised scheme;
- (d) cable protection, scour protection or dredging; and
- (e) cable route preparation works including boulder removal and obstruction clearance, dredging and pre-sweeping.

(3) The substances or articles authorised for deposit at sea are—

- (a) iron, steel and aluminium;
- (b) stone and rock;
- (c) concrete and grout;
- (d) sand and gravel;

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- (e) plastic and synthetic;
- (f) material extracted from within the offshore Order limits during construction drilling and seabed preparation for foundation works and cable sandwave preparation works; and
- (g) marine coatings, other chemicals and timber.

(4) This licence does not permit the decommissioning of the authorised scheme. No decommissioning activity must commence until a decommissioning programme has been approved by the Secretary of State under section 106 of the 2004 Act. Furthermore, at least 4 months before carrying out any such works, the undertaker must notify the MMO of the proposed decommissioning activity to establish whether a marine licence is required for such works.

(5) This licence does not permit the construction of Work No. 1B(a).

(6) This licence and Marine Licence 2 (as defined in the Order), when taken together, do not authorise the construction of more than 1 Work No. 1B or the construction of Work No. 1B in excess of the maximum parameters for that Work set out in Schedule 1 to the Order.

## PART B

### Conditions

#### Detailed offshore design parameters

3.—(1) The dimensions of any offshore collector platform forming part of the authorised scheme (excluding towers, helicopter landing pads, masts and cranes) must not exceed 75 metres in length, 75 metres in width and 85 metres in height above HAT.

(2) The dimensions of any offshore converter platform forming part of the authorised scheme (excluding towers, helicopter landing pads, masts and cranes) must not exceed 125 metres in length, 100 metres in width and 105 metres in height above HAT.

(3) The dimensions of any combined platform forming part of the authorised scheme (excluding towers, helicopter landing pads, masts and cranes) must not exceed the total footprint of the individual platforms incorporated within it.

(4) Offshore platform foundation structures forming part of the authorised scheme must be 1 of the following foundation options: gravity base or multi-leg.

(5) No offshore platform foundation structure employing a footing of driven piles forming part of the authorised scheme must—

- (a) have more than 24 driven piles; or
- (b) have a pile diameter of greater than 2.744 metres or employ a hammer energy during installation of greater than 1,900 kilojoules.

(6) No offshore platform foundation must have a seabed footprint area of subsea scour protection (excluding foundation footprint) of more than 8,742 square metres.

(7) The foundations for offshore platforms must not exceed the dimensions set out below—

<i>Foundation type</i>	<i>Offshore collector platform (multi-leg or gravity base foundation)</i>	<i>Offshore converter platform (multi-leg or gravity base foundation)</i>
Maximum seabed footprint area per foundation (excluding scour protection) in square metres	5,625	12,500

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- (8) Either Work No. 2BA or Work No. 2BC may be constructed (but not both).
- (9) The number of HVDC cables within Works No. 2B, 2BA, 2BC and 3B must not exceed 2. The total length of HVDC cables within Works No. 1B, 2B, 2BA, 2BC and 3B must not exceed 378 kilometres.
- (10) The total cable protection for HVAC inter-platform cables (excluding cable crossings) must not exceed an area of 0.9997 square kilometres or a volume of 972,150 cubic metres within Work No. 1B.
- (11) The total export cable protection (excluding cable crossings) must not exceed an area of 1.2217 square kilometres or a volume of 1,188,090 cubic metres.
- (12) No cable protection must be employed within 350 metres seaward of MLWS, measured as a straight line.
- (13) Cable protection must be limited to 10% of the cumulative length of all cables laid between MLWS and the 10-metre depth contour as measured against lowest astronomical tide before the commencement of construction.
- (14) The length of HVAC cables comprising Work No. 1B must not exceed 320 kilometres.

#### **Layout rules**

- 4.—(1) The offshore platforms must be positioned in accordance with the principles within section 5.2 of Chapter 5 of the environmental statement.
- (2) No construction of any offshore platform must commence until the MMO has approved its general position. These general layout arrangements must specify the physical point of connection between generation and transmission assets for Project B (as defined in the Order).
- (3) The construction of the offshore platforms must be carried out as approved.

#### **Notifications and inspections**

- 5.—(1) The undertaker must ensure that—
  - (a) before any licensed activities are carried out under this licence, the undertaker informs the MMO of—
    - (i) the name of the person undertaking the licensed activities;
    - (ii) the works being undertaken pursuant to this licence comprising those works necessary from the point of connection with the generation assets;
    - (iii) the maximum total area and volume for any cable protection for HVAC inter-array cables and HVAC inter-platform cables to be constructed within the array area pursuant to this licence; and
    - (iv) the maximum total area and volume for any cable protection to be constructed within the array area pursuant to this licence;
  - (b) any works notified under this Condition when combined with any works notified under Condition 6 of Marine Licences 1 and 2 (as defined in the Order) and Condition 5 of Marine Licence 3 (as defined in the Order) do not exceed the maximum parameters set out in Schedule 1 to the Order;
  - (c) a copy of this licence (issued as part of the grant of the Order) and any subsequent amendments or revisions to it is provided to—
    - (i) all agents and contractors notified to the MMO in accordance with Condition 11; and
    - (ii) the masters and transport managers responsible for the vessels notified to the MMO in accordance with Condition 11;

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- (d) within 28 days of receipt of a copy of this licence, the persons referred to in paragraph (a) provide a completed confirmation form to the MMO confirming that they have read and will comply with the terms of this licence.
- (2) Only the persons and vessels notified to the MMO in accordance with Condition 11 are permitted to carry out the licensed activities.
- (3) Copies of this licence must also be available for inspection at the following locations—
  - (a) the undertaker’s registered address;
  - (b) any site office located at or adjacent to the construction site and used by the undertaker or its agents and contractors responsible for the loading, transportation or deposit of the authorised deposits; and
  - (c) on board each vessel or at the office of any transport manager with responsibility for vessels from which authorised deposits are to be made.
- (4) The documents referred to in sub-paragraph (1)(c) must be available for inspection by an enforcement officer at all reasonable times at the locations set out in sub-paragraph (3)(b).
- (5) The undertaker must provide access, and if necessary appropriate transportation, to the offshore construction site or any other associated works or vessels to facilitate any inspection that the MMO considers necessary to inspect the works during construction and operation of the authorised scheme.
- (6) The undertaker must inform the MMO Coastal Office in writing at least 5 working days before commencement of the licensed activities or any phase of them.
- (7) Before commencement of the licensed activities or any phase of them, the undertaker must publish in the Kingfisher Fortnightly Bulletin details of the vessel routes, timings and locations relating to the construction of the authorised scheme or relevant phase.
- (8) The undertaker must ensure that a notice to mariners is issued at least 10 working days before commencement of the licensed activities or any phase of them advising of the commencement date of Works No. 2B and 3B and the expected vessel routes from the local construction ports to the relevant locations.
- (9) The undertaker must ensure that the notices to mariners are updated and reissued at weekly intervals during construction activities and within 5 days of any planned operations and maintenance works and supplemented with VHF radio broadcasts agreed with the MCA in accordance with the construction programme approved under Condition 8(1)(b). Copies of all notices must be provided to the MMO.
- (10) The undertaker must notify—
  - (a) the United Kingdom Hydrographic Office at least 2 weeks before commencement, and no later than 2 weeks following, completion of the authorised scheme in order that all necessary amendments to nautical charts are made; and
  - (b) the MMO, MCA and Trinity House once the authorised scheme is completed and any required lighting or marking has been established.

### **Chemicals, drilling and debris**

6.—(1) All chemicals used in the construction of the authorised scheme, including any chemical agents placed within any monopile or other foundation structure void, must be selected from the list of notified chemicals approved for use by the offshore oil and gas industry under the Offshore Chemicals Regulations 2002.

(2) The undertaker must ensure that any coatings and treatments are suitable for use in the marine environment and are used in accordance with guidelines approved by Health and Safety Executive or the Environment Agency pollution prevention control guidelines. Any spillages must be reported

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to the MMO marine pollution response team within the timeframes specified in the marine pollution contingency plan.

(3) The storage, handling, transport and use of fuels, lubricants, chemicals and other substances must be undertaken so as to prevent releases into the marine environment, including bunding of 110% of the total volume of all reservoirs and containers.

(4) The undertaker must ensure that any debris arising from the construction of the authorised scheme or temporary works placed seaward of MHWS is removed on completion of the authorised scheme.

(5) At least 10 days before commencement of the licensed activities the undertaker must submit to the MMO an audit sheet covering all aspects of the construction of the licensed activities or any phase of them. The audit sheet must include details of—

- (a) loading facilities;
- (b) vessels;
- (c) equipment;
- (d) shipment routes;
- (e) transport;
- (f) working schedules; and
- (g) all components and materials to be used in the construction of the authorised scheme.

(6) The audit sheet must be maintained throughout the construction of the authorised scheme (or relevant phase) and must be submitted to the MMO for review at fortnightly intervals.

(7) In the event that the MMO becomes aware that any of the materials on the audit sheet cannot be accounted for, it must require the undertaker to carry out a side-scan sonar survey to plot all obstructions across a reasonable area of search agreed with the MMO where construction works and related activities have been carried out. Representatives of the Holderness Fishing Industry Group must be invited to send a representative to be present during the survey. Any obstructions that the MMO believes to be associated with the authorised scheme must be removed at the undertaker's expense.

### **Force majeure**

7. If, due to stress of weather or any other cause, the master of a vessel determines that it is necessary to deposit the authorised deposits otherwise than in accordance with Condition 9(2) because the safety of human life or the vessel is threatened—

- (a) within 48 hours full details of the circumstances of the deposit must be notified to the MMO; and
- (b) at the written request of the MMO, the unauthorised deposits must be removed at the expense of the undertaker.

### **Pre-construction plans and documentation**

8.—(1) The licensed activities or any phase of those activities must not commence until the following (insofar as relevant to that activity or phase of activity) have been submitted to and approved in writing by the MMO—

- (a) a plan to be agreed in writing with the MMO following consultation with Trinity House and the MCA which sets out the proposed details of the authorised scheme to ensure conformity with the description of Works No. 2B, 2BA or 2BC and 3B. This includes—
  - (i) the proposed layout of the HVAC and HVDC cables;

- (ii) the proposed location, including grid co-ordinates, and choice of foundation types for any offshore platforms; and
  - (iii) the dimensions of all monopole, multi-leg and gravity foundations, if used;
- (b) a detailed construction and monitoring programme to include details of—
  - (i) the proposed construction commencement date;
  - (ii) proposed timings for mobilisation of plant, delivery of materials and installation works; and
  - (iii) proposed pre-construction surveys, a proposed format and content for a baseline report, construction monitoring, post-construction monitoring and related reporting in accordance with Conditions 13, 14 and 15. The pre-construction survey programme and all pre-construction survey methodologies must be submitted to the MMO for written approval at least 4 months before commencement of any survey works detailed within;
- (c) a construction method statement in accordance with the construction methods assessed in the environmental statement to include details of—
  - (i) drilling methods and disposal of drill arisings;
  - (ii) platform location and installation, including scour protection and foundations;
  - (iii) cable installation;
  - (iv) impact piling including soft start procedures;
  - (v) the source of rock material used in construction and method to minimise contaminants and fines;
  - (vi) contractors;
  - (vii) vessels; and
  - (viii) associated works;
- (d) a project environmental management and monitoring plan to include details of—
  - (i) a marine pollution contingency plan to address the risks, methods and procedures to deal with any spills and collision incidents during construction and operation of the authorised scheme in relation to all activities carried out;
  - (ii) a chemical risk assessment to include information regarding how and when chemicals are to be used, stored and transported in accordance with recognised best practice guidance;
  - (iii) waste management and disposal arrangements including arrangements to ensure no waste concrete slurry or wash water from concrete or cement work is discharged;
  - (iv) the fisheries liaison officer appointed by the undertaker (to be notified to the District Marine Officer for the MMO's Northern District). Evidence of liaison must be collated so that signatures of attendance at meetings, agenda and minutes of meetings with the fishing industry can be provided to the MMO if requested;
  - (v) a fisheries liaison plan in accordance with the draft fisheries liaison plan to include information on liaison with the fishing industry (including by the fisheries liaison officer referred to in sub-paragraph (iv)) and a co-existence plan; and
  - (vi) a mitigation scheme for any features of ecological importance identified by the survey referred to in Condition 13(2)(a);
- (e) a marine mammal mitigation protocol, the intention of which is to prevent, amongst other things, injury to marine mammals, primarily auditory injury within the vicinity of any piling, and appropriate monitoring surveys in accordance with the In Principle Monitoring

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- Plan, to be agreed in writing with the MMO in consultation with the relevant statutory nature conservation body;
- (f) a cable specification and installation plan following consultation with the relevant statutory nature conservation body, to include—
- (i) technical specification of offshore cables, including a desk-based assessment of attenuation of electro-magnetic field strengths, shielding and cable burial depth in accordance with industry good practice;
  - (ii) a staged cable-laying plan for the Order limits, incorporating a burial risk assessment to ascertain suitable burial depths and cable-laying techniques;
  - (iii) a cable protection plan providing details of the need, type, sources, quality and installation methods for cable protection; and
  - (iv) the details of the methodology and extent of post-lay survey, to confirm burial depths; and
- (g) a written scheme of archaeological investigation in relation to offshore areas within the Order limits in accordance with Chapter 18 Appendix B of the environmental statement, industry good practice and after discussions with English Heritage to include—
- (i) details of the responsibilities of the undertaker, archaeological consultant and contractor;
  - (ii) a methodology for any further site investigation including any specifications for geophysical, geotechnical and diver- or remotely-operated vehicle investigations;
  - (iii) within 3 months of any survey being completed, a timetable to be submitted to the MMO setting out the timeframe for analysis and reporting of survey data;
  - (iv) delivery of any mitigation including, where necessary, archaeological exclusion zones;
  - (v) monitoring during and post-construction, including a conservation programme for finds;
  - (vi) archiving of archaeological material including ensuring that a copy of any agreed archaeological report is deposited with the English Heritage archive by submitting an English Heritage OASIS form with a digital copy of the report; and
  - (vii) a reporting and recording protocol, including reporting of any wreck or wreck material during construction, operation and decommissioning of the authorised scheme; and
- (2) In the event that a temporary cofferdam is constructed in Work No. 3B, a method statement for the monitoring and redistribution of sediment must be agreed with the MMO.

**9.—**(1) Each programme, statement, plan, protocol, scheme or details required to be approved under Condition 8, and the arrangements required to be approved under Condition 4, must be submitted for approval at least 4 months before the intended commencement of construction, except where otherwise stated or unless otherwise agreed in writing by the MMO.

(2) The licensed activities must be carried out in accordance with the programme, statement, plan, protocol, scheme or details approved under Condition 8.

### **Offshore safety management**

**10.—**(1) Offshore works must not commence until the MMO, in consultation with the MCA, has given written approval for an Emergency Response and Co-operation Plan (“ERCoP”) which includes full details of the ERCoP for the construction, operation and decommissioning phases of the authorised scheme in accordance with the MCA recommendations contained within MGN371



“Offshore Renewable Energy Installations (OREIs) – Guidance on UK Navigational Practice, Safety and Emergency Response Issues”. The ERCOP must include the identification of a point of contact for emergency response.

(2) The ERCoP must be implemented as approved.

(3) No authorised development seaward of MHWS must commence until the MMO, in consultation with the MCA, has confirmed in writing that the undertaker has taken into account and adequately addressed all MCA recommendations as appropriate to the authorised scheme contained within MGN371 “Offshore Renewable Energy Installations (OREIs) – Guidance on UK Navigational Practice, Safety and Emergency Response Issues” and its annexes.

### **Reporting of engaged agents, contractors and vessels**

**11.**—(1) The undertaker must provide the name and function of any agent or contractor appointed to engage in the licensed activities to the MMO at least 2 weeks before the intended commencement of construction.

(2) Each week during the construction of the authorised scheme a completed Hydrographic Note H102 must be provided to the MMO listing the vessels currently and to be used in relation to the licensed activities.

(3) Any changes to the supplied details must be notified to the MMO in writing before the agent, contractor or vessel engages in the licensed activities.

### **Equipment and operation of vessels engaged in licensed activities**

**12.**—(1) All vessels employed to perform the licensed activities must be constructed and equipped to be capable of the proper performance of such activities in accordance with the Conditions and (except in the case of remotely-operated vehicles or vessels) must comply with subparagraphs (2) to (6).

(2) All motor powered vessels must be fitted with—

- (a) an electronic positioning aid to provide navigational data;
- (b) radar;
- (c) an echo-sounder; and
- (d) multi-channel VHF.

(3) No radio beacon or radar beacon operating on the marine frequency bands must be installed or used without the prior written approval of the Secretary of State.

(4) All vessels’ names or identification must be clearly marked on the hull or superstructure.

(5) All communication on VHF working frequencies must be in English.

(6) No vessel must engage in the licensed activities until all the equipment specified in subparagraph (2) is fully operational.

### **Pre-construction monitoring**

**13.**—(1) The undertaker must, in discharging Condition 8(1)(b), submit details for written approval by the MMO of proposed pre-construction surveys, including methodologies and timings, and a proposed format and content for a pre-construction baseline report. The survey proposals must be in accordance with the principles set out in the In Principle Monitoring Plan and must specify each survey’s objectives and explain how it will assist in either informing a useful and valid comparison with the post-construction position or will enable the validation or otherwise of key predictions in the environmental statement. The baseline report proposals must ensure that the outcome of the agreed surveys together with existing data and reports are drawn together to present a valid statement

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of the pre-construction position, with any limitations, and must make clear what post-construction comparison is intended and the justification for this being required.

(2) Subject to receipt from the undertaker of specific proposals pursuant to this Condition, where appropriate and necessary it is expected that the pre-construction surveys will comprise—

- (a) an appropriate survey to determine the location and reasonable extent of any benthic habitats of conservation, ecological or economic importance (including Annex 1 habitats) in whole or in part inside the areas within the Order limits in which it is proposed to carry out construction works; and
- (b) appropriate high-resolution bathymetric surveys undertaken to International Hydrographic Organisation Order 1A standard and side-scan surveys of the areas within Work No. 2B, 2BA or 2BC within the Order limits in which it is proposed to carry out construction works. This must include the identification of sites of historic or archaeological interest (A1 and A3 receptors) and any unidentified anomalies larger than 5 metres in diameter (A2 receptors), which may require the refinement, removal or introduction of archaeological exclusion zones and to confirm project-specific micro-siting requirements (for A2 receptors).

(3) The undertaker must carry out and complete the surveys to be undertaken under sub-paragraph (1) in a timescale which must be agreed with the MMO.

### **Construction monitoring**

14. The undertaker must, in discharging Condition 8(1)(b), submit details for approval by the MMO of any proposed surveys or monitoring, including methodologies and timings, to be carried out during the construction of the authorised scheme. The details of the construction monitoring must be submitted at least 4 months before commencement of any survey works and provide the agreed reports in the agreed format in accordance with the agreed timetable. The survey proposals must specify each survey's objectives. In any event, such monitoring must, where driven or part-driven pile foundations (for each specific foundation type) are proposed to be used, include measurements of noise generated by the installation of 1 pile from each of the first 4 structures with piled foundations, following which the MMO must determine whether further noise monitoring is required. The results of the initial noise measurements must be provided to the MMO within 6 weeks of the installation of the first relevant foundation piece. The assessment of this report by the MMO must determine whether any further noise monitoring is required.

### **Post-construction surveys**

15.—(1) The undertaker must, in discharging Condition 8(1)(b), submit details for written approval by the MMO of the post-construction surveys proposed in sub-paragraph (2), including methodologies and timings, and a proposed format, content and timings for providing reports on the results at least 4 months before commencement of any survey works detailed within. The survey proposals must be in accordance with the principles set out in the In Principle Monitoring Plan and must specify each survey's objectives and explain how it will assist in either informing a useful and valid comparison with the pre-construction position or will enable the validation or otherwise of key predictions in the environmental statement.

(2) Subject to receipt of specific proposals, it is expected that the post-construction surveys will comprise—

- (a) appropriate high-resolution bathymetric surveys undertaken to International Hydrographic Organisation Order 1A standard and side-scan sonar surveys around a sample of infrastructure locations that are considered appropriate to assess any changes in seabed topography. For this purpose, the undertaker must before the first such survey submit a desk-based assessment (which takes account of all factors which influence scour) to

identify the sample of infrastructure locations that are considered appropriate with greatest potential for scour. The survey will be used to validate the desk-based assessment. Further surveys may be required if there are significant differences between the modelled scour and recorded scour; and

- (b) dependent on the outcome of the surveys undertaken under Condition 13(2)(a), appropriate surveys to determine the effects of construction activity on any benthic habitats of conservation, ecological or economic importance (including Annex 1 habitats) in whole or in part inside the areas within the Order limits to validate predictions made in the environmental statement.

(3) The undertaker must carry out the surveys under sub-paragraph (1) and provide the reports in the agreed format in accordance with the timetable as agreed in writing with the MMO following consultation with relevant statutory nature conservation body.

### **Post-construction maintenance plan**

**16.**—(1) A post-construction maintenance plan must be submitted for written approval by the MMO at least 4 months before the licensed activities are commissioned, based on the maintenance in the outline maintenance plan.

(2) An update to the post-construction maintenance plan must be submitted for approval every 3 years, or sooner in the event of any proposed major revision to planned maintenance activities or the adoption of any new technologies or techniques applicable to programmed maintenance.

(3) Maintenance must be carried out as approved.

### **Aids to navigation**

**17.**—(1) Before commencement of the authorised scheme, an aids to navigation management plan must be approved in writing by the MMO following consultation with Trinity House and MCA specifying the—

- (a) aids to navigation to be established from the commencement of the authorised scheme to the completion of decommissioning;
- (b) monitoring and reporting of the availability of aids to navigation; and
- (c) notifications and procedures for ensuring navigational safety following failures to aids to navigation.

(2) The licensed activities must be carried out in accordance with the plan approved under this Condition.

**18.** The undertaker must keep Trinity House and the MMO informed of progress of the authorised scheme seaward of MHWS including—

- (a) notice of commencement of construction of the authorised scheme within 24 hours of commencement having occurred;
- (b) notice within 24 hours of any aids to navigation being established by the undertaker; and
- (c) notice within 5 working days of completion of construction of the authorised scheme.

**19.** The undertaker must notify Trinity House and the MMO of any failure of the aids to navigation, including timescales and plans for remedying such failures, as soon as possible and no later than 24 hours following the detection of any such failure.

**20.** The undertaker must at or near the authorised scheme during the whole period of the construction, operation, alteration, replacement or decommissioning of the authorised scheme seaward of MHWS exhibit such lights, marks, sounds, signals and other aids to navigation, and take

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such other steps for the prevention of danger to navigation, as Trinity House may from time to time direct following consultation with the MMO.

**21.** The undertaker must submit reports quarterly to the MMO and Trinity House detailing the working condition of aids to navigation. Reports may be requested more frequently by the MMO or Trinity House and must be submitted by the undertaker as specified.

**22.** In case of damage to, or destruction or decay of, the authorised scheme seaward of MHWS or any part of it, the undertaker must as soon as possible and no later than 24 hours following the identification of damage, destruction or decay, notify Trinity House and the MMO. The undertaker must also lay down such buoys, exhibit such lights and take such other steps for preventing danger to navigation as directed by Trinity House following consultation with the MMO.

### **Colour of authorised scheme**

**23.**—(1) The undertaker must colour all structures that are part of the authorised scheme seaward of MHWS yellow (colour code RAL 1023) from at least HAT to a height approved by the MMO following consultation with Trinity House.

(2) Details of the remainder of the structures must be submitted to and approved in writing by the MMO following consultation with Trinity House before commencement of the authorised scheme.

(3) The structures must be coloured in accordance with the approved details.

### **Amendments to plans, etc.**

**24.** Where any Condition requires licensed activities to be carried out in accordance with any programme, statement, plan, protocol, scheme, details or arrangements approved by the MMO, the approved programme, statement, plan, protocol, scheme, details or arrangements must be taken to include any amendments that may subsequently be approved in writing by the MMO (after consulting any person that the MMO is required to consult under the relevant Condition).

## SCHEDULE 12

Articles 31 and 43

### Protective provisions

## PART 1

### Protection of electricity, gas, water and sewerage undertakers

**1.** The provisions of this Part have effect unless otherwise agreed in writing between the undertaker and the utility undertaker in question.

**2.** In this Part—

“alternative apparatus” means alternative apparatus adequate to enable the utility undertaker in question to fulfil its statutory functions in a manner no less efficient than previously;

“apparatus”—

- (a) in the case of a utility undertaker within paragraph (a) of the definition of that term, means electric lines or electrical plant (as defined in the Electricity Act 1989<sup>(50)</sup>) belonging to or maintained by the utility undertaker;

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<sup>(50)</sup> See section 64. The definition of “electrical plant” was amended by paragraph 38(3) of Schedule 6 to the Utilities Act 2000.

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- (b) in the case of a utility undertaker within paragraph (b) of the definition of that term, means any mains, pipes or other apparatus belonging to or maintained by the utility undertaker for the purposes of gas supply;
- (c) in the case of a utility undertaker within paragraph (c) of the definition of that term, means mains, pipes or other apparatus belonging to or maintained by the utility undertaker for the purposes of water supply; and
- (d) in the case of a utility undertaker within paragraph (d) of the definition of that term—
  - (i) means—
    - (aa) any drain or works vested in the utility undertaker under the Water Industry Act 1991; and
    - (bb) any sewer that is so vested or is the subject of a notice of intention to adopt given under section 102(4) of that Act(51) or an agreement to adopt made under section 104 of that Act; and
  - (ii) includes a sludge main, disposal main (within the meaning of section 219 of that Act) or sewer outfall and any manholes, ventilating shafts, pumps or other accessories forming part of any such sewer, drain or works;

and in each case includes any structure in which apparatus is or is to be lodged or that gives or will give access to apparatus;

“functions” includes powers and duties;

“in”, in a context referring to apparatus or alternative apparatus in land, includes a reference to apparatus or alternative apparatus under, over or on land;

“utility undertaker” means—

- (a) any licence holder within the meaning of Part 1 of the Electricity Act 1989;
- (b) a gas transporter within the meaning of Part 1 of the Gas Act 1986(52);
- (c) a water undertaker(53); and
- (d) a sewerage undertaker,

for the area of the onshore works, and in relation to any apparatus, means the utility undertaker to whom it belongs or by whom it is maintained.

**3.** This Part does not apply to—

- (a) apparatus in respect of which relations between the undertaker and the utility undertaker are regulated by Part 3 of the 1991 Act; and
- (b) the offshore works.

**4.** Despite any provision in this Order or anything shown on the land plan, the undertaker must not acquire any apparatus otherwise than by agreement.

**5.—(1)** If, in the exercise of the powers conferred by this Order, the undertaker acquires any interest in any land in which any apparatus is placed, that apparatus must not be removed under this Part, and any right of a utility undertaker to maintain that apparatus in that land must not be extinguished, until alternative apparatus has been constructed and is in operation to the reasonable satisfaction of the utility undertaker in question.

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(51) Section 102(4) was amended by section 96 of the Water Act 2003. Section 104 was amended by section 96 of, and Part 3 of Schedule 9 to, the Water Act 2003 and by section 42(3) of the Flood and Water Management Act 2010 (c.29).

(52) 1986 c.44. “Gas transporter” is defined in section 7. A new section 7 was substituted by section 5 of the Gas Act 1995 (c.45) and was further amended by section 76 of the Utilities Act 2000.

(53) “Water undertaker” is defined in Schedule 1 to the Interpretation Act 1978.

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(2) If, for the purpose of executing any works in, on or under any land purchased, held, appropriated or used under this Order, the undertaker requires the removal of any apparatus placed in that land, it must give to the utility undertaker in question written notice of that requirement, together with a plan and section of the work proposed and of the proposed position of the alternative apparatus to be provided or constructed; and in that case (or if in consequence of the exercise of any of the powers conferred by this Order a utility undertaker reasonably needs to remove any of its apparatus) the undertaker must, subject to sub-paragraph (3), afford to the utility undertaker the necessary facilities and rights for the construction of alternative apparatus in other land of the undertaker and subsequently for the maintenance of that apparatus.

(3) If alternative apparatus or any part of such apparatus is to be constructed elsewhere than in other land of the undertaker, or the undertaker is unable to afford such facilities and rights as are mentioned in sub-paragraph (2) in the land in which the alternative apparatus or part of such apparatus is to be constructed, the utility undertaker in question must, on receipt of a written notice to that effect from the undertaker, as soon as reasonably possible use its best endeavours to obtain the necessary facilities and rights in the land in which the alternative apparatus is to be constructed.

(4) Any alternative apparatus to be constructed in land of the undertaker under this Part must be constructed in such manner and in such line or situation as may be agreed between the utility undertaker in question and the undertaker or in default of agreement settled by arbitration in accordance with article 44 (arbitration).

(5) The utility undertaker in question must, after the alternative apparatus to be provided or constructed has been agreed or settled by arbitration in accordance with article 44, and after the grant to the utility undertaker of any such facilities and rights as are referred to in sub-paragraph (2) or (3), proceed without unnecessary delay to construct and bring into operation the alternative apparatus and subsequently to remove any apparatus required by the undertaker to be removed under the provisions of this Part.

(6) Despite sub-paragraph (5), if the undertaker gives notice in writing to the utility undertaker in question that it desires itself to execute any work, or part of any work in connection with the construction or removal of apparatus in any land of the undertaker, that work, instead of being executed by the utility undertaker, must be executed by the undertaker without unnecessary delay under the superintendence, if given, and to the reasonable satisfaction, of the utility undertaker.

(7) Nothing in sub-paragraph (6) authorises the undertaker to execute the placing, installation, bedding, packing, removal, connection or disconnection of any apparatus, or execute any filling around the apparatus (where the apparatus is laid in a trench), within 300 millimetres of the apparatus.

**6.—**(1) Where, in accordance with this Part, the undertaker affords to a utility undertaker facilities and rights for the construction and maintenance in land of the undertaker of alternative apparatus in substitution for apparatus to be removed, those facilities and rights must be granted on such terms and conditions as may be agreed between the undertaker and the utility undertaker in question or in default of agreement settled by arbitration in accordance with article 44 (arbitration).

(2) In settling those terms and conditions in respect of alternative apparatus to be constructed in or along the authorised project, the arbitrator must—

- (a) give effect to all reasonable requirements of the undertaker for ensuring the safety and efficient operation of the authorised project and for securing any subsequent alterations or adaptations of the alternative apparatus that may be required to prevent interference with any proposed works of the undertaker; and
- (b) so far as it may be reasonable and practicable to do so in the circumstances of the particular case, give effect to the terms and conditions, if any, applicable to the apparatus constructed in or along the authorised project for which the alternative apparatus is to be substituted.

(3) If the facilities and rights to be afforded by the undertaker in respect of any alternative apparatus, and the terms and conditions subject to which those facilities and rights are to be granted,

are in the opinion of the arbitrator less favourable on the whole to the utility undertaker in question than the facilities and rights enjoyed by it in respect of the apparatus to be removed and the terms and conditions to which those facilities and rights are subject, the arbitrator must make such provision for the payment of compensation by the undertaker to the utility undertaker as appears to the arbitrator to be reasonable having regard to all the circumstances of the particular case.

7.—(1) Not less than 28 days before starting the execution of any works of the type referred to in paragraph 5(2) that are near to, or will or may affect, any apparatus the removal of which has not been required by the undertaker under that sub-paragraph, the undertaker must submit to the utility undertaker in question a plan, section and description of the works to be executed.

(2) Those works must be executed only in accordance with the plan, section and description submitted under sub-paragraph (1) and in accordance with such reasonable requirements as may be made in accordance with sub-paragraph (3) by the utility undertaker for the alteration or otherwise for the protection of the apparatus, or for securing access to it; and the utility undertaker is entitled to watch and inspect the execution of the works.

(3) Any requirements made by a utility undertaker under sub-paragraph (2) must be made within a period of 21 days beginning with the day on which a plan, section and description under sub-paragraph (1) are submitted to it.

(4) If a utility undertaker, in accordance with sub-paragraph (3) and in consequence of the works proposed by the undertaker, reasonably requires the removal of any apparatus and gives written notice to the undertaker of that requirement, paragraphs 1 to 6 apply as if the removal of the apparatus had been required by the undertaker under paragraph 5(2).

(5) Nothing in this paragraph precludes the undertaker from submitting at any time or from time to time, but in no case less than 28 days before commencing the execution of any works, a new plan, section and description instead of the plan, section and description previously submitted, and having done so the provisions of this paragraph apply to and in respect of the new plan, section and description.

(6) The undertaker is not required to comply with sub-paragraph (1) in a case of emergency, but in that case it must give to the utility undertaker in question notice as soon as is reasonably practicable and a plan, section and description of those works as soon as reasonably practicable subsequently and must comply with sub-paragraph (2) in so far as is reasonably practicable in the circumstances.

8.—(1) Subject to the provisions of this paragraph, the undertaker must repay to a utility undertaker the reasonable expenses incurred by the utility undertaker in, or in connection with,—

- (a) the inspection, removal and relaying or replacing, alteration or protection of any apparatus or the construction of any new apparatus under this Part (including any costs reasonably incurred or compensation properly paid in connection with the acquisition of rights or exercise of statutory powers for such apparatus);
- (b) the cutting off of any apparatus from any other apparatus, or the making safe of any redundant apparatus, in consequence of the exercise by the undertaker of any power under this Order;
- (c) the survey of any land, apparatus or works, the inspection, superintendence and monitoring of works or the installation or removal of any temporary works reasonably necessary in consequence of the exercise by the undertaker of any power under this Order; and
- (d) any other work or thing rendered reasonably necessary in consequence of the exercise by the undertaker of any such power,

within a reasonable time of being notified by the utility undertaker that it has incurred such expenses.

(2) There must be deducted from any sum payable under sub-paragraph (1) the value of any apparatus removed under this Part, that value being calculated after removal.

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(3) If in accordance with this Part—

- (a) apparatus of better type, of greater capacity or of greater dimensions is placed in substitution for existing apparatus of worse type, of smaller capacity or of smaller dimensions; or
- (b) apparatus (whether existing apparatus or apparatus substituted for existing apparatus) is placed at a depth greater than the depth at which the existing apparatus was,

and the placing of apparatus of that type or capacity or of those dimensions or the placing of apparatus at that depth, as the case may be, is not agreed by the undertaker or, in default of agreement, is not determined by arbitration in accordance with article 44 (arbitration) to be necessary, then, if such placing involves cost in the construction of works under this Part exceeding that which would have been involved if the apparatus placed had been of the existing type, capacity or dimensions, or at the existing depth, as the case may be, the amount which apart from this sub-paragraph would be payable to the utility undertaker in question by virtue of sub-paragraph (1) must be reduced by the amount of that excess.

(4) For the purposes of sub-paragraph (3)—

- (a) an extension of apparatus to a length greater than the length of existing apparatus is not to be treated as a placing of apparatus of greater dimensions than those of the existing apparatus; and
- (b) where the provision of a joint in a cable is agreed, or is determined to be necessary, the consequential provision of a jointing chamber or of a manhole is to be treated as if it also had been agreed or had been so determined.

(5) An amount which apart from this sub-paragraph would be payable to a utility undertaker in respect of works by virtue of sub-paragraph (1) must, if the works include the placing of apparatus provided in substitution for apparatus placed more than 7 years and 6 months earlier so as to confer on the utility undertaker any financial benefit by deferment of the time for renewal of the apparatus in the ordinary course, be reduced by the amount that represents that benefit.

**9.—**(1) Subject to sub-paragraphs (2) and (3), if by reason or in consequence of the construction of any works referred to in paragraph 5(2) any damage is caused to any apparatus (other than apparatus the repair of which is not reasonably necessary in view of its intended removal for the purposes of those works) or property of a utility undertaker, or there is any interruption in any service provided by the utility undertaker, the undertaker must—

- (a) bear and pay the cost reasonably incurred by the utility undertaker in making good such damage or restoring the supply; and
- (b) make reasonable compensation to the utility undertaker for any other expenses, loss, damages, penalty or costs incurred by the utility undertaker,

by reason or in consequence of any such damage or interruption.

(2) Nothing in sub-paragraph (1) imposes any liability on the undertaker with respect to any damage or interruption to the extent that it is attributable to the act, neglect or default of a utility undertaker, its officers, servants, contractors or agents.

(3) A utility undertaker must give the undertaker reasonable notice of any claim or demand and no settlement or compromise must be made without the consent of the undertaker which, if it withholds such consent, must have the sole conduct of any settlement or compromise or of any proceedings necessary to resist the claim or demand.

**10.** Nothing in this Part affects the provisions of any enactment or agreement regulating the relations between the undertaker and a utility undertaker in respect of any apparatus laid or erected in land belonging to the undertaker at the date on which this Order is made.



11. In relation to any dispute arising under this Part, the reference in article 44 (arbitration) to the Secretary of State must be read as a reference to the Institution of Engineering and Technology.

## PART 2

### Protection of Network Rail Infrastructure Limited

1. The provisions of this Part have effect unless otherwise agreed in writing between the undertaker and Network Rail and, where paragraph 15 applies, any other person on whom rights or obligations are conferred by that paragraph.

2. In this Part—

“construction” includes execution, placing, alteration and reconstruction and “construct” and “constructed” have corresponding meanings;

“engineer” means an engineer appointed by Network Rail for the purposes of this Order;

“network licence” means the network licence, as the same is amended from time to time, granted to Network Rail by the Secretary of State in exercise of powers under section 8 of the Railways Act 1993(54);

“Network Rail” means Network Rail Infrastructure Limited and any associated company of Network Rail Infrastructure Limited that holds property for railway purposes, and for the purpose of this definition “associated company” means any company that is (within the meaning of section 1159 of the Companies Act 2006(55)) the holding company of Network Rail Infrastructure Limited, a subsidiary of Network Rail Infrastructure Limited or another subsidiary of the holding company of Network Rail Infrastructure Limited;

“plans” includes sections, designs, design data, software, drawings, specifications, soil reports, calculations, descriptions (including descriptions of methods of construction), staging proposals, programmes and details of the extent, timing and duration of any proposed occupation of railway property;

“railway operational procedures” means procedures specified under any access agreement (as defined in the Railways Act 1993(56)) or station lease;

“railway property” means any railway belonging to Network Rail and—

- (a) any station, land, works, apparatus and equipment belonging to Network Rail or connected with any such railway; and
- (b) any easement or other property interest held or used by Network Rail for the purposes of such railway or works, apparatus or equipment;

“specified work” means so much of any of the onshore works as is situated on, across, under, over or within 15 metres of, or may in any way affect, railway property.

3.—(1) Where under this Part Network Rail is required to give its consent or approval in respect of any matter, that consent or approval is subject to the condition that Network Rail complies with any relevant railway operational procedures, and any obligations under its network licence or under statute.

(2) In so far as any specified work or the acquisition or use of railway property is or may be subject to railway operational procedures, Network Rail must—

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(54) 1993 c.43. Section 8 was amended by paragraph 4 of Schedule 17 and Part 4 of Schedule 31 to the Transport Act 2000 (c.38), paragraphs 3 and 5 of Schedule 2 to the Railways and Transport Safety Act 2003 (c.20) and paragraph 3 of Schedule 1 and Part 1 of Schedule 13 to the Railways Act 2005 (c.14).

(55) 2006 c.46.

(56) “Access agreement” is defined in section 83.

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- (a) co-operate with the undertaker with a view to avoiding undue delay and securing conformity as between any plans approved by the engineer and requirements emanating from those procedures; and
- (b) use its reasonable endeavours to avoid any conflict arising between the application of those procedures and the proper implementation of the authorised project pursuant to this Order.

4.—(1) The undertaker must not exercise the powers conferred by article 19 (authority to survey and investigate land) or the powers conferred by section 11(3) of the 1965 Act in respect of any railway property unless the exercise of such powers is with the consent of Network Rail.

(2) The undertaker must not in the exercise of the powers conferred by this Order prevent pedestrian or vehicular access to any railway property, unless preventing such access is with the consent of Network Rail.

(3) The undertaker must not in exercise of the powers conferred by this Order use or acquire new rights over any railway property except with the consent of Network Rail.

(4) Where Network Rail is asked to give its consent pursuant to this paragraph, such consent must not be unreasonably withheld but may be given subject to reasonable conditions.

5.—(1) The undertaker must before commencing construction of any specified work supply to Network Rail proper and sufficient plans of that work for the reasonable approval of the engineer and the specified work must not be commenced except in accordance with such plans as have been approved in writing by the engineer or settled by arbitration.

(2) The approval of the engineer under sub-paragraph (1) must not be unreasonably withheld or delayed, and if by the end of the period of 28 days beginning with the day on which such plans have been supplied to Network Rail the engineer has not intimated disapproval of those plans and the grounds of disapproval, the undertaker may serve on the engineer written notice requiring the engineer to intimate approval or disapproval within a further period of 28 days beginning with the day on which the engineer receives written notice from the undertaker. If by the expiry of the further period of 28 days the engineer has not intimated approval or disapproval, the engineer is deemed to have approved the plans as submitted.

(3) If by the expiry of 28 days beginning with the day on which written notice was served on the engineer under sub-paragraph (2), Network Rail gives notice to the undertaker that Network Rail desires itself to construct any part of a specified work that in the opinion of the engineer will or may affect the stability of railway property or the safe operation of traffic on the railways of Network Rail then, if the undertaker desires such part of the specified work to be constructed, Network Rail must construct it with all reasonable dispatch on behalf of and to the reasonable satisfaction of the undertaker in accordance with the plans approved or deemed to be approved or settled under this paragraph and under the supervision (where appropriate and if given) of the undertaker.

(4) When signifying approval of the plans, the engineer may specify any protective works (whether temporary or permanent) that in the engineer's opinion should be carried out before commencement of construction of a specified work to ensure the safety or stability of railway property or the continuation of safe and efficient operation of the railways of Network Rail or the services of operators using the same (including any relocation, decommissioning and removal of works, apparatus and equipment necessitated by a specified work and the comfort and safety of passengers who may be affected by the specified works), and such protective works as may be reasonably necessary for those purposes must be constructed by Network Rail or by the undertaker, if Network Rail so desires, and such protective works must be carried out at the expense of the undertaker, in either case with all reasonable dispatch, and the undertaker must not commence the construction of the specified works until the engineer has notified the undertaker that the protective works have been completed to the engineer's reasonable satisfaction.

**6.—(1)** Any specified work and any protective works to be constructed by virtue of paragraph 5(4) must, when commenced, be constructed—

- (a) with all reasonable dispatch in accordance with the plans approved or deemed to have been approved or settled under paragraph 5;
- (b) under the supervision (where appropriate and if given) and to the reasonable satisfaction of the engineer; and
- (c) so far as is reasonably practicable, so as not to interfere with or obstruct the free, uninterrupted and safe use of any railway of Network Rail or the traffic on it and the use by passengers of railway property.

(2) If any damage to railway property or any such interference or obstruction is caused by the carrying out of, or in consequence of, the construction of a specified work, the undertaker must, notwithstanding any such approval, make good such damage and must pay to Network Rail all reasonable expenses to which Network Rail may be put and compensation for any loss that it may sustain by reason of any such damage, interference or obstruction.

(3) Nothing in this Part imposes any liability on the undertaker with respect to—

- (a) any damage, costs, expenses or loss attributable to the negligence of Network Rail or its servants, contractors or agents; or
- (b) any liability on Network Rail with respect to any damage, costs, expenses or loss attributable to the negligence of the undertaker or its servants, contractor or agents.

**7.** The undertaker must—

- (a) at all times afford reasonable facilities to the engineer for access to a specified work during its construction; and
- (b) supply the engineer with all such information as the engineer may reasonably require with regard to a specified work or the method of constructing it.

**8.** Network Rail must at all times afford reasonable facilities to the undertaker and its agents for access to any works carried out by Network Rail under this Part during their construction and must supply the undertaker with such information as it may reasonably require with regard to such works or the method of constructing them.

**9.—(1)** If any permanent or temporary alterations or additions to railway property are reasonably necessary in consequence of the construction of a specified work or during a period of 24 months after the completion of that work in order to ensure the safety of railway property or the continued safe and efficient operation of the railway of Network Rail, such alterations and additions may be carried out by Network Rail, and if Network Rail gives to the undertaker reasonable notice of its intention to carry out such alterations (which must be specified in the notice), the undertaker must pay to Network Rail the reasonable cost of those alterations or additions including, in respect of any such alterations and additions as are to be permanent, a capitalised sum representing the increase of the costs that may be expected to be reasonably incurred by Network Rail in maintaining, working and, when necessary, renewing any such alterations or additions.

(2) If during the construction of a specified work by the undertaker, Network Rail gives notice to the undertaker that Network Rail itself desires to construct that part of the specified work that in the opinion of the engineer is endangering the stability of railway property or the safe operation of traffic on the railways of Network Rail then, if the undertaker decides that part of the specified work is to be constructed, Network Rail must assume construction of that part of the specified work and the undertaker must, notwithstanding any approval of the specified work under paragraph 5(1), pay to Network Rail all reasonable expenses to which Network Rail may be put and compensation for any loss that it may suffer by means of the execution by Network Rail of that specified work.

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(3) The engineer must, in respect of the capitalised sums referred to in this paragraph and paragraph 10(a) provide such details of the formula by which those sums have been calculated as the undertaker may reasonably require.

(4) If the cost of maintaining working or renewing railway property is reduced in consequence of any such alterations or additions, a capitalised sum representing such savings must be set off against any sum payable by the undertaker to Network Rail under this paragraph.

**10.** The undertaker must repay to Network Rail all reasonable fees, costs, charges and expenses incurred by Network Rail—

- (a) in constructing any part of a specified work on behalf of the undertaker as provided by paragraph 5(3) or in constructing any protective works under paragraph 5(4) including, in respect of any permanent protective works, a capitalised sum representing the cost of maintaining and renewing those works;
- (b) in respect of the approval by the engineer of plans submitted by the undertaker and the supervision by the engineer of the construction of a specified work;
- (c) in respect of the employment or procurement of the services of any inspectors, signalmen, watchmen and other persons whom it is reasonably necessary to appoint for inspecting, signalling, watching and lighting railway property and for preventing, so far as may be reasonably practicable, interference, obstruction, danger or accident arising from the construction or failure of a specified work;
- (d) in respect of any special traffic working resulting from any speed restrictions that may, in the opinion of the engineer, be required to be imposed by reason or in consequence of the construction or failure of a specified work or from the substitution or diversion of services that may be reasonably necessary for the same reason; and
- (e) in respect of any additional temporary lighting of railway property in the vicinity of the specified works, being lighting made reasonably necessary by reason or in consequence of the construction or failure of a specified work.

**11.—(1)** In this paragraph—

“EMI” means, subject to sub-paragraph (2), electromagnetic interference with Network Rail apparatus generated by the operation of the onshore works where such interference is of a level that adversely affects the safe operation of Network Rail’s apparatus;

“Network Rail’s apparatus” means any lines, circuits, wires, apparatus or equipment (whether or not modified or installed as part of the onshore works) that are owned or used by Network Rail for the purpose of transmitting or receiving electrical energy or of radio, telegraphic, telephonic, electric, electronic or other like means of signalling or other communications.

(2) This paragraph applies to EMI only to the extent that such EMI is not attributable to any change to Network Rail’s apparatus carried out after approval of plans under paragraph 5(1) for the relevant part of the onshore works giving rise to EMI (unless the undertaker has been given notice in writing before the approval of those plans of the intention to make such change).

(3) Subject to sub-paragraph (5), the undertaker must in the design and construction of the authorised project take all measures necessary to prevent EMI and must establish with Network Rail (both parties acting reasonably) appropriate arrangements to verify their effectiveness.

(4) In order to facilitate the undertaker’s compliance with sub-paragraph (3)—

- (a) the undertaker must consult with Network Rail as early as reasonably practicable to identify all Network Rail’s apparatus that may be at risk of EMI, and thereafter must continue to consult with Network Rail (both before and after formal submission of plans under paragraph 5(1)) in order to identify all potential causes of EMI and the measures required to eliminate them;

- (b) Network Rail must make available to the undertaker all information in the possession of Network Rail reasonably requested by the undertaker in respect of Network Rail's apparatus identified pursuant to paragraph (a); and
- (c) Network Rail must allow the undertaker reasonable facilities for the inspection of Network Rail's apparatus identified pursuant to paragraph (a).

(5) In any case where it is established that EMI can reasonably be prevented only by modifications to Network Rail's apparatus, Network Rail must not withhold its consent unreasonably to modifications of Network Rail's apparatus, but the means of prevention and the method of their execution must be selected in the reasonable discretion of Network Rail, and in relation to such modifications paragraph 5(1) has effect subject to this sub-paragraph.

(6) If, at any time before commencement of regular operation of the onshore works and notwithstanding any measures adopted pursuant to sub-paragraph (3), the testing or commissioning of the authorised project causes EMI, the undertaker must immediately on receipt of notification by Network Rail of such EMI either in writing or communicated orally (such oral communication to be confirmed in writing as soon as reasonably practicable after it has been issued) forthwith cease to use (or procure the cessation of use of) the undertaker's apparatus causing such EMI until all measures necessary have been taken to remedy such EMI by way of modification to the source of such EMI or (in the circumstances, and subject to the consent, specified in sub-paragraph (5)) to Network Rail's apparatus.

(7) In the event of EMI having occurred—

- (a) the undertaker must afford reasonable facilities to Network Rail for access to the undertaker's apparatus in the investigation of such EMI;
- (b) Network Rail must afford reasonable facilities to the undertaker for access to Network Rail's apparatus in the investigation of such EMI; and
- (c) Network Rail must make available to the undertaker any additional material information in its possession reasonably requested by the undertaker in respect of Network Rail's apparatus or such EMI.

(8) Where Network Rail approves modifications to Network Rail's apparatus pursuant to sub-paragraph (5) or (6)—

- (a) Network Rail must allow the undertaker reasonable facilities for the inspection of the relevant part of Network Rail's apparatus; and
- (b) any modifications to Network Rail's apparatus approved pursuant to those sub-paragraphs must be carried out and completed by the undertaker in accordance with paragraph 6.

(9) To the extent that it would not otherwise do so, the indemnity in paragraph 15(1) applies to the costs and expenses reasonably incurred or losses suffered by Network Rail through the implementation of the provisions of this paragraph (including costs incurred in connection with the consideration of proposals, approval of plans, supervision and inspection of works and facilitating access to Network Rail's apparatus) or in consequence of any EMI to which sub-paragraph (6) applies.

(10) For the purpose of paragraph 10(a) any modifications to Network Rail's apparatus under this paragraph is deemed to be protective works referred to in that sub-paragraph.

(11) In relation to any dispute arising under this paragraph, the reference in article 44 (arbitration) to the Secretary of State must be read as a reference to the Institution of Electrical Engineers.

**12.** If at any time after the completion of a specified work, not being a work vested in Network Rail, Network Rail gives notice to the undertaker informing it that the state of maintenance of any part of the specified work appears to be such as adversely affects the operation of railway property, the undertaker must, on receipt of such notice, take such steps as may be reasonably necessary to put that specified work in such state of maintenance as not adversely to affect railway property.

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**13.** The undertaker must not provide any illumination or illuminated sign or signal on or in connection with a specified work in the vicinity of any railway belonging to Network Rail unless it has first consulted Network Rail and it must comply with Network Rail's reasonable requirements for preventing confusion between such illumination or illuminated sign or signal and any railway signal or other light used for controlling, directing or securing the safety of traffic on the railway.

**14.** Any additional expenses that Network Rail may reasonably incur in altering, reconstructing or maintaining railway property under any powers existing at the making of this Order by reason of the existence of a specified work must, provided that 56 days' previous notice of the commencement of such alteration, reconstruction or maintenance has been given to the undertaker, be repaid by the undertaker to Network Rail.

**15.—(1)** The undertaker must pay to Network Rail all reasonable costs, charges, damages and expenses not otherwise provided for in this Part that may be occasioned to or reasonably incurred by Network Rail—

- (a) by reason of the construction or maintenance of a specified work or its failure; or
- (b) by reason of any act or omission of the undertaker or of any person in its employ or of its contractors or others whilst engaged on a specified work;

and the undertaker must indemnify Network Rail and keep Network Rail indemnified from and against all claims and demands arising out of or in connection with a specified work or any such failure, act or omission; and the fact that any act may have been done by Network Rail on behalf of the undertaker or in accordance with plans approved by the engineer or in accordance with any requirement of the engineer or under the engineer's supervision does not (if it was done without negligence on the part of Network Rail or of any person in its employ or of its contractors or agents) excuse the undertaker from any liability under this Part.

(2) Network Rail must give the undertaker reasonable notice of any such claim or demand, and no settlement or compromise of such a claim or demand must be made without the prior consent of the undertaker.

(3) The sums payable by the undertaker under sub-paragraph (1) must include a sum equivalent to the relevant costs.

(4) Subject to the terms of any agreement between Network Rail and a train operator regarding the timing or method of payment of the relevant costs in respect of that train operator, Network Rail must promptly pay to each train operator the amount of any sums that Network Rail receives under sub-paragraph (1) that relates to the relevant costs of that train operator.

(5) The obligation under sub-paragraph (3) to pay Network Rail the relevant costs is, in the event of default, enforceable directly by any train operator concerned to the extent that such sums would be payable to that operator pursuant to sub-paragraph (4).

(6) In this paragraph—

“relevant costs” means the costs, direct losses and expenses (including loss of revenue) incurred by each train operator as a consequence of any restriction of the use of Network Rail's railway network as a result of the construction, maintenance or failure of a specified work, or any such act or omission as mentioned in sub-paragraph (1);

“train operator” means any person who is authorised to act as the operator of a train by a licence under section 8 of the Railways Act 1993.

**16.** Network Rail must, on receipt of a request from the undertaker, from time to time provide to the undertaker free of charge written estimates of the costs, charges, expenses and other liabilities for which the undertaker is or will become liable under this Part (including the amount of the relevant costs mentioned in paragraph 15) and with such information as may reasonably enable the undertaker

to assess the reasonableness of any such estimate or claim made or to be made pursuant to this Part (including any claim relating to the relevant costs).

**17.** In the assessment of any sums payable to Network Rail under this Part, there must not be taken into account any increase in the sums claimed that is attributable to any action taken by or any agreement entered into by Network Rail if that action or agreement was not reasonably necessary and was taken or entered into with a view to obtaining the payment of those sums by the undertaker under this Part or increasing the sums so payable.

**18.** The undertaker and Network Rail may, subject in the case of Network Rail to compliance with the terms of its network licence, enter into, and carry into effect, agreements for the transfer to the undertaker of—

- (a) any railway property shown on the works plans and land plan and described in the book of reference;
- (b) any lands, works or other property held in connection with any such railway property; and
- (c) any rights and obligations (whether or not statutory) of Network Rail relating to any railway property.

**19.** Nothing in this Order, or in any enactment incorporated with or applied by this Order, prejudices or affects the operation of Part 1 of the Railways Act 1993.

**20.** The undertaker must give written notice to Network Rail if any application is proposed to be made by the undertaker for the Secretary of State's consent under article 42 (certification of plans and documents, etc.), and any such notice must be given no later than 28 days before any such application is made and must describe or give (as appropriate)—

- (a) the nature of the application to be made;
- (b) the extent of the geographical area to which the application relates; and
- (c) the name and address of the person acting for the Secretary of State to whom the application is to be made.

**21.** The undertaker must, no later than 28 days from the date that the plans are certified by the Secretary of State in accordance with article 42 (certification of plans and documents, etc.), provide to Network Rail a set of plans that relate to the specified works in the form of a computer disc with read-only memory.

## PART 3

### Protection of operators of electronic communications code networks

**1.—(1)** The provisions of this Part have effect unless otherwise agreed in writing between the undertaker and the operator.

**(2)** In this Part—

“2003 Act” means the Communications Act 2003;

“conduit system” has the same meaning as in the electronic communications code and references to providing a conduit system are to be construed in accordance with paragraph 1(3A) of that code<sup>(57)</sup>;

“electronic communications apparatus” has the same meaning as in the electronic communications code;

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<sup>(57)</sup> Paragraph 1(3A) was added to the code (Schedule 2 to the Telecommunications Act 1984) by paragraph 4 of Schedule 3 to the Communications Act 2003.

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“electronic communications code” has the same meaning as in Chapter 1 of Part 2 of the 2003 Act<sup>(58)</sup>;

“electronic communications code network” means—

- (a) so much of an electronic communications network or conduit system provided by an electronic communications code operator as is not excluded from the application of the electronic communications code by a direction under section 106 of the 2003 Act; and
- (b) an electronic communications network that the Secretary of State is providing or proposing to provide;

“electronic communications code operator” means a person in whose case the electronic communications code is applied by a direction under section 106 of the 2003 Act;

“operator” means the operator of an electronic communications code network.

2. The temporary stopping up or diversion of any street under article 14 (temporary stopping up of streets) does not affect any right of the operator under paragraph 9 of the electronic communications code to maintain any apparatus that, at the time of the stopping up or diversion, is in that street.

3.—(1) Subject to sub-paragraphs (2) to (4), if as the result of the authorised project or its construction, or of any subsidence resulting from any of the project—

- (a) any damage is caused to any electronic communications apparatus belonging to an operator (other than apparatus the repair of which is not reasonably necessary in view of its intended removal for the purposes of the project), or other property of an operator; or
- (b) there is any interruption in the supply of the service provided by an operator,

the undertaker must—

- (c) bear and pay the cost reasonably incurred by the operator in making good such damage or restoring the supply;
- (d) make reasonable compensation to an operator for loss sustained by it; and
- (e) indemnify an operator against claims, demands, proceedings, costs, damages and expenses that may be made or taken against, or recovered from, or incurred by, an operator by reason, or in consequence of, any such damage or interruption.

(2) Sub-paragraph (1) does not apply to—

- (a) any apparatus in respect of which the relations between the undertaker and an operator are regulated by Part 3 of the 1991 Act; or
- (b) any damage, or any interruption, caused by electro-magnetic interference arising from the construction or use of the authorised project.

(3) Nothing in sub-paragraph (1) imposes any liability on the undertaker with respect to any damage or interruption to the extent that it is attributable to the act, neglect or default of an operator, its officers, servants, contractors or agents.

(4) The operator must give the undertaker reasonable notice of any such claim or demand, and no settlement or compromise of the claim or demand may be made without the consent of the undertaker which, if it withholds such consent, has the sole conduct of any settlement or compromise or of any proceedings necessary to resist the claim or demand.

(5) Any difference arising between the undertaker and the operator under this Part is to be referred to and settled by arbitration under article 44 (arbitration).

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<sup>(58)</sup> “The electronic communications code” is defined in section 106(1).



## PART 4

### Protection of offshore cables and pipelines

1. The provisions of this Part have effect unless otherwise agreed in writing between the undertaker and the Company concerned.

2.—(1) In this Part—

“cables” means the whole or any part of the UK-Germany-6 cable, the TATA North Europe cable and UK-Denmark-4 cable;

“Company” means—

- (a) Cable and Wireless Worldwide plc and BT Subsea Cables Limited in relation to the UK-Germany-6 cable;
- (b) BT Group plc in relation to the UK-Denmark-4 cable;
- (c) Tata Communications (UK) Limited in relation to the TATA North Europe cable;
- (d) Shell UK Limited in relation to the Shearwater to Bacton (SEAL) pipeline; and
- (e) Gassco AS in relation to the Langed Pipeline;

“construction” includes execution, placing and altering and cognate expressions must be construed accordingly;

“Langed Pipeline” means the underwater pipeline transporting Norwegian natural gas to the United Kingdom across the North Sea;

“pipelines” means the whole or any part of the Langed pipeline and the Shearwater to Bacton (SEAL) pipeline that are used for the conveyance of any hydrocarbon fuel and in respect of which a Company has an interest for the time being, together with any associated plant and equipment serving those pipelines;

“plans” includes sections, drawings, calculations, methods of construction, particulars and specifications;

“protected property” means the cables and pipelines—

- (a) any part of which is situated within the Order limits for the offshore works; and
- (b) in respect of which a Company has an interest for the time being;

“protective works” has the meaning given in paragraph 9;

“Shearwater to Bacton (SEAL) pipeline” means the gas pipeline connecting the Shell terminal in the UK to the Shearwater and Elgin-Franklin gas fields in the central North Sea;

“TATA North Europe cable” means the active telecommunications cable laid between North Yorkshire and the Netherlands across the North Sea;

“UK-Denmark-4 cable” means the out-of-service telecommunications cable laid between the United Kingdom and Denmark;

“UK-Germany-6 cable” means the out-of-service telecommunications cable laid between the United Kingdom and Germany;

“works” means Works No. 1A, 1B, 2A, 2B, 2BA, 2BC, 2T, 3A and 3B.

(2) In this Part, references to a Company—

- (a) are references to any (or, as the case may be, each) Company that has an interest in the protected property concerned for the time being; and
- (b) include references to its successors in title in respect of any protected property.

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**3.** Despite anything in this Order or shown on the works plans, the undertaker must not pursuant to the powers in this Order appropriate and remove any protected property otherwise than by agreement with the Company.

**4.** Despite anything in this Order, except in the case of any part of the protected property that the Company certifies in writing is permanently disused, the undertaker must not exercise the powers in this Order to relocate any protected property until suitable alternative facilities have been provided by the undertaker and are available for use to the reasonable satisfaction of the Company.

**5.** The undertaker must use its best endeavours—

- (a) in exercising any of the powers in this Order to avoid or (failing avoidance) to minimise any damage or disruption to the protected property; and
- (b) without limiting sub-paragraph (a), to ensure that the works do not at any time fall into such a condition as to compromise the integrity or operation of the protected property.

**6.** Not less than 8 months before commencing construction of the works, the undertaker must furnish to the Company a programme for the works proposed and a general indication of the nature and location of those works and, if within 28 days from the receipt by a Company of that programme and general indication the Company gives notice in writing to the undertaker that any part of the offshore works indicated in the programme may in any way affect protected property, paragraphs 8 and 9 apply with respect to that part of those works.

**7.** On giving any notice to the undertaker under paragraph 6, the Company must furnish existing drawings showing to the best of its knowledge the position and depth of the relevant part of the protected property.

**8.** Not less than 4 months before commencing construction of any part of the offshore works that may significantly affect the protected property, the undertaker must furnish to the Company detailed plans and specifications of the relevant part of the offshore works and must have due regard to any representations made by a Company relating to such plans or to the programme for the works and make reasonable changes required to avoid risk of harm to the cables by the construction.

**9.** At any time within a period of 1 month from the receipt by the Company of the plans referred to in paragraph 8, the Company may by notice in writing to the undertaker specify any reasonable temporary or permanent works or measures (the “protective works”) that in its reasonable opinion should be carried out or taken by the undertaker before commencement or during construction of the works in order to ensure the stability of the protected property (shown on the drawings furnished by the Company under paragraph 7) or to protect them from injury, and such protective works must be constructed by the undertaker at its own expense and under the inspection (if any) of the Company.

**10.** Except in the case of protective works that the Company has informed the undertaker in writing may be carried out during the construction of the works, the undertaker must not commence the construction of any work within 50 metres of, or which may in any way affect, the protected property until the protective works relating to the work have been completed to the reasonable satisfaction of the Company.

**11.** In the case of protective works of which the Company has informed the undertaker in writing as mentioned in paragraph 10, the undertaker must comply with all reasonable requirements of the Company arising from its inspection under paragraph 9 as promptly as practicable after the undertaker has been notified of such requirements.

**12.** Except in an emergency (when it must give such notice as may be reasonably practicable), the undertaker must give the Company not less than 56 days’ notice of its intention to carry out any works for the repair or maintenance of the works in so far as such works may affect or interfere with the protected property.

13. The undertaker must repay to the Company the reasonable expenses properly incurred by the Company in or in connection with the removal and relaying or replacing of any part of protected property, including the provision, laying down or placing of any alternative facilities.

14. The undertaker must repay to the Company the reasonable expenses properly incurred by the Company in or in connection with the preparation of drawings or notice referred to in paragraph 6 or 7 and by the Company in the watching and inspecting of any protective works relating to protected property.

15. The preceding provisions of this Part do not apply in relation to any protected property laid by or for the use of the Company after the coming into force of this Order.

16. Nothing in this Part affects any enactment or any regulations made under any enactment or any agreement regulating the relations between the undertaker and the Company in respect of any protected property laid within the Order limits for the offshore works at the date on which this Order comes into force.

## PART 5

### Protection of Environment Agency

1.—(1) The provisions of this Part have effect unless otherwise agreed in writing between the undertaker and the Agency.

(2) In this Part—

“Agency” means the Environment Agency;

“construction” includes execution, placing, altering, replacing, relaying and removal, and “construct” and “constructed” are to be construed accordingly;

“drainage work” means any watercourse and includes any land that provides or is expected to provide flood storage capacity for any watercourse and any bank, wall, embankment or other structure, or any appliance, constructed or used for land drainage, flood defence or tidal monitoring and any ancillary works constructed as a consequence of works carried out for drainage purposes;

“fishery” means any watercourse within the limits of deviation containing fish and fish in such waters and the spawn, habitat or food of such fish;

“plans” includes sections, drawings, specifications and method statements;

“specified work” means so much of any work or operation authorised by this Order as is in, on, under, over or within 16 metres of a drainage work or is otherwise likely to—

- (a) affect any drainage work or the volumetric rate of flow of water in or flowing to or from any drainage work;
- (b) affect the flow, purity or quality of water in any watercourse or other surface waters or ground water;
- (c) cause obstruction to the free passage of fish or damage to any fishery; or
- (d) affect the conservation, distribution or use of water resources;

“watercourse” means all rivers, streams, ditches, drains, cuts, culverts, dykes, sluices, sewers and passages through which water flows except a public sewer.

2.—(1) Before commencing construction of any specified work, the undertaker must submit to the Agency plans of the specified work and such further particulars available to it as the Agency may within 28 days of the receipt of the plans reasonably require.

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(2) Any such specified work must not be constructed except in accordance with such plans as may be approved in writing by the Agency, or determined under paragraph 12.

(3) Any approval of the Agency required under this paragraph—

- (a) must not be unreasonably withheld or delayed;
- (b) is deemed to have been given if it is neither given nor refused within 2 months of the submission of the plans for approval or receipt of further particulars if such particulars have been required by the Agency and, in the case of a refusal, accompanied by a statement of the grounds of refusal; and
- (c) may be given subject to such reasonable requirements as the Agency may make for the protection of any drainage work or the fishery or for the protection of water resources, or for the prevention of flooding or pollution or in the discharge of its environmental duties.

(4) The Agency must use its reasonable endeavours to respond to the submission of any plans before the expiration of the period mentioned in sub-paragraph (3)(b).

3. Without limiting paragraph 2 but subject always to the provision of that paragraph as to reasonableness, the requirements that the Agency may make under that paragraph include conditions requiring the undertaker at its own expense to construct such protective works, whether temporary or permanent, before or during the construction of the specified works (including the provision of flood banks, walls or embankments or other new works and the strengthening, repair or renewal of existing banks, walls or embankments) as are reasonably necessary—

- (a) to safeguard any drainage work against damage;
- (b) to secure that its efficiency for flood defence purposes is not impaired and that the risk of flooding is not otherwise increased, by reason of the specified work.

4.—(1) Subject to sub-paragraph (2), the specified work, and all protective works required by the Agency under paragraph 3, must be constructed—

- (a) without unnecessary delay in accordance with the plans approved or deemed to have been approved or settled under this Part; and
- (b) to the reasonable satisfaction of the Agency, and an officer of the Agency is entitled to watch and inspect the construction of such works.

(2) The undertaker must give to the Agency not less than 14 days' notice in writing of its intention to commence construction of any specified work and notice in writing of its completion no later than 7 days after the day on which it is completed.

(3) If the Agency reasonably requires, the undertaker must construct all or part of the protective works so that they are in place before the construction of any specified work.

(4) If any part of a specified work or any protective work required by the Agency is constructed otherwise than in accordance with the requirements of this Part, the Agency may by notice in writing require the undertaker at the undertaker's own expense to comply with the requirements of this Part or (if the undertaker so elects and the Agency in writing consents, such consent not to be unreasonably withheld or delayed) to remove, alter or pull down the work and, where removal is required, to restore the site to its former condition to such extent and within such limits as the Agency reasonably requires.

(5) Subject to sub-paragraph (6) and paragraph 8, if within a reasonable period, being not less than 28 days from the day on which a notice under sub-paragraph (4) is served, the undertaker has failed to begin taking steps to comply with the requirements of the notice and subsequently to make reasonably expeditious progress towards their implementation, the Agency may execute the works specified in the notice and any expenditure incurred by it in so doing is recoverable from the undertaker.

(6) In the event of any dispute as to whether sub-paragraph (4) is properly applicable to any work in respect of which notice has been served under that sub-paragraph, or as to the reasonableness of any requirement of such a notice, the Agency must not except in emergency exercise the powers conferred by sub-paragraph (5) until the dispute has been finally determined.

5.—(1) Subject to sub-paragraph (6), the undertaker must from the commencement of the construction of the specified works maintain in good repair and condition and free from obstruction any drainage work that is situated within the limits of deviation and on land held by the undertaker for the purposes of or in connection with the specified works, whether or not the drainage work is constructed under the powers conferred by this Order or is already in existence.

(2) If any such drainage work that the undertaker is liable to maintain is not maintained to the reasonable satisfaction of the Agency, the Agency may by notice in writing require the undertaker to repair and restore the work, or any part of such work, or (if the undertaker so elects and the Agency in writing consents, such consent not to be unreasonably withheld or delayed) to remove the work and restore the site to its former condition, to such extent and within such limits as the Agency reasonably requires.

(3) Subject to paragraph 8, if, within a reasonable period being not less than 28 days beginning with the day on which a notice in respect of any drainage work is served on the undertaker under sub-paragraph (2), the undertaker has failed to begin taking steps to comply with the reasonable requirements of the notice and has not subsequently made reasonably expeditious progress towards their implementation, the Agency may do what is necessary for such compliance and may recover any expenditure reasonably incurred by it in so doing from the undertaker.

(4) If there is any failure by the undertaker to obtain consent or comply with conditions imposed by the Agency in accordance with the provisions of this Part, the Agency may serve written notice requiring the undertaker to cease all or part of the specified works, and the undertaker must cease the specified works or part of them until it has obtained the consent or complied with the condition unless the cessation of the specified works or part of them would cause greater damage than compliance with the written notice.

(5) In the event of any dispute as to the reasonableness of any requirement of a notice served under sub-paragraph (2), the Agency must not except in a case of emergency exercise the powers conferred by sub-paragraph (3) until the dispute has been finally determined.

(6) This paragraph does not apply to drainage works that are vested in the Agency or that the Agency or another person is liable to maintain and is not prevented by this Order from so doing.

6. Subject to paragraph 8, if by reason of the construction of any specified work or of the failure of any such work the efficiency of any drainage work for flood defence purposes is impaired, or that drainage work is otherwise damaged, such impairment or damage must be made good by the undertaker to the reasonable satisfaction of the Agency, and if the undertaker fails to do so, the Agency may make good the same and recover from the undertaker the expense reasonably incurred by it in so doing.

7.—(1) The undertaker must take all such measures as may be reasonably practicable to prevent any interruption of the free passage of fish in a fishery during the construction of any specified work.

(2) If by reason of—

- (a) the construction of any specified work; or
- (b) the failure of any such work,

damage to the fishery is caused, or the Agency has reason to expect that such damage may be caused, the Agency may serve notice on the undertaker requiring it to take such steps as may be reasonably practicable to make good the damage, or, as the case may be, to protect the fishery against such damage.

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(3) Subject to paragraph 8, if within such time as may be reasonably practicable for that purpose after the receipt of written notice from the Agency of any damage or expected damage to a fishery, the undertaker fails to take such steps as are described in sub-paragraph (2), the Agency may take those steps and may recover from the undertaker the expense reasonably incurred by it in doing so.

(4) Subject to paragraph 8, in any case where immediate action by the Agency is reasonably required in order to secure that the risk of damage to the fishery is avoided or reduced, the Agency may take such steps as are reasonable for the purpose, and may recover from the undertaker the reasonable cost of so doing provided that notice specifying those steps is served on the undertaker as soon as reasonably practicable after the Agency has taken, or commenced to take, the steps specified in the notice.

**8.—**(1) Nothing in paragraphs 4(5), 5(3), 6 and 7(3) and (4) authorises the Agency to execute works on or affecting the authorised development without the prior consent in writing of the undertaker.

(2) Consent under sub-paragraph (1) must not be unreasonably withheld or delayed, and the undertaker is deemed to have given its consent if it has not refused consent within 2 months of receiving a written request by the Agency.

**9.** The undertaker must indemnify the Agency in respect of all costs, charges and expenses that the Agency may reasonably incur or have to pay or that it may sustain—

- (a) in the examination or approval of plans under this Part; and
- (b) in the inspection of the construction of the specified works or any protective works required by the Agency under this Part; and
- (c) the carrying out of any surveys or tests by the Agency that are reasonably required in connection with the construction of the specified works.

**10.—**(1) Without limiting the other provisions of this Part, the undertaker must indemnify the Agency from all claims, demands, proceedings, costs, damages, expenses or loss that may be made or taken against, recovered from, or incurred by, the Agency by reason of—

- (a) any damage to any drainage work so as to impair its efficiency for the purposes of flood defence;
- (b) any damage to a fishery;
- (c) any raising or lowering of the water table in land adjoining the authorised development or any sewers, drains and watercourses;
- (d) any flooding or increased flooding of any such lands; or
- (e) inadequate water quality in any watercourse or in any groundwater that is caused by the construction of any of the specified works or any act or omission of the undertaker, its contractors, agents or employees whilst engaged on the work.

(2) The Agency must give to the undertaker reasonable notice of any such claim or demand, and no settlement or compromise may be made without the agreement of the undertaker, which agreement must not be unreasonably withheld or delayed.

**11.** The fact that any work or thing has been executed or done by the undertaker in accordance with a plan approved or deemed to be approved by the Agency, or to its satisfaction, or in accordance with any directions or award of an arbitrator, does not relieve the undertaker from any liability under this Part.

**12.** Any dispute arising between the undertaker and the Agency under this Part, if the parties agree, is to be determined by arbitration under article 44 (arbitration), but otherwise is to be determined by the Secretary of State for Environment, Food and Rural Affairs and the Secretary

of State for Transport acting jointly on a reference to them by the undertaker or the Agency, after notice in writing to the other.

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## EXPLANATORY NOTE

*(This note is not part of the Order)*

This Order grants development consent for 2 offshore wind turbine electricity generating stations in the North Sea between 125 and 290 kilometres off the coast of the East Riding of Yorkshire, to be known as the Dogger Bank Creyke Beck Offshore Wind Farm, together with associated development offshore and onshore. The Order authorises the compulsory acquisition of land and rights in land and the right to use land and to override easements and other rights.

The Order also grants deemed marine licences under Part 4 of the Marine and Coastal Access Act 2009 (marine licensing) in connection with the Dogger Bank Creyke Beck Offshore Wind Farm.

A copy of the plans and book of reference referred to in this Order and certified in accordance with article 42 may be inspected free of charge during working hours at the offices of East Riding of Yorkshire Council, County Hall, Cross Street, Beverley HU17 9BA.