# SCHEDULES

SCHEDULE 1 E+W+S

Article 3

#### Authorised Project

PART 1 E+W+S

## Authorised development

1. The authorised development comprises the nationally significant infrastructure project as defined in sections 14 and 15 of the 2008 Act which is described in paragraphs 2 to 4, and the associated development within the meaning of section 115(2) of the 2008 Act described in paragraphs 5 and 6.

#### **Commencement Information**

II (p01747) Sch. 1 Pt. 1 para. 1 in force at 31.12.2014, see art. 1

**2.** The nationally significant infrastructure project comprises two or, subject to paragraph 3, three offshore wind generating stations with a combined gross electrical output capacity of up to 1,200 MW as follows—

*Work No. 1*— an offshore wind generating station within Wind Farm Area 1, whose coordinates constitute the limits of deviation for Work No.1 and are specified in Table 1, comprising—

- (a) up to 80 or, if no part of Work No. 3 is constructed, up to 120 wind turbine generators fixed to the seabed;
- (b) a network of subsea inter-array electrical circuits connecting the structures comprised in Work No. 1—
  - (i) with each other;
  - (ii) with any other structure located within Wind Farm Area 1; and
  - (iii) (for the purpose of connecting any structure comprised in Work No. 1 with any structure comprised in Works Nos. 2, 3 and 4) with the network of electrical circuits comprised in Works Nos. 2, 3 and 4;
- (c) subject to paragraph 4, an offshore accommodation platform fixed to the seabed which may be connected to one of the offshore HVAC collector substations or offshore HVDC converter stations within Work No. 4 by an unsupported steel bridge.

Table 1: Co-ordinates for Wind Farm Area 1 (limits of deviation for Work No.)	id Farm Area 1 (limits of deviation for Work No. 1)
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Point	Latitude	Longitude
1	53° 58′ 42.179″ N	1° 44′ 31.880″ E
2	53° 55′ 46.445″ N	1° 47′ 47.796″ E
3	53° 56′ 22.870″ N	1° 51′ 57.409″ E

Point	Latitude	Longitude
4	53° 55′ 31.318″ N	1° 52′ 54.282″ E
5	53° 49′ 58.944″ N	1° 58′ 59.804″ E
6	53° 50′ 5.118″ N	1° 38′ 58.430″ E
7	53° 55′ 9.293″ N	1° 39′ 52.024″ E
8	53° 56′ 3.228″ N	1° 41′ 0.143″ E
9	53° 56′ 29.670″ N	1° 43′ 45.592″ E
10	53° 58′ 17.828″ N	1° 41′ 46.795″ E

*Work No. 2*— an offshore wind generating station within Wind Farm Area 2, whose coordinates constitute the limits of deviation for Work No.2 and are specified in Table 2, comprising—

- (a) up to 80 or, if no part of Work No. 3 is constructed, up to 120 wind turbine generators fixed to the seabed;
- (b) a network of subsea inter-array electrical circuits connecting the structures comprised in Work No. 2—
  - (i) with each other;
  - (ii) with any other structure located within Wind Farm Area 2; and
  - (iii) (for the purpose of connecting any structure comprised in Work No. 2 with any structure comprised in Works Nos. 1, 3 and 4) with the network of electrical circuits comprised in Works No. 1, 3 and 4.
- (c) subject to paragraph 4, an offshore accommodation platform fixed to the seabed which may be connected to one of the offshore HVAC collector substations or offshore HVDC converter stations within Work No. 4 by an unsupported steel bridge.

Point	Latitude	Longitude
1	53° 55′ 31.318″ N	1° 52′ 54.282″ E
2	53° 55′ 37.592″ N	1° 53′ 38.108″ E
3	53° 55′ 23.329″ N	1° 55′ 20.262″ Е
4	53° 55′ 8.162″ N	1° 56′ 10.619″ E
5	53° 55′ 35.429″ N	1° 59′ 20.944″ E
6	53° 55′ 2.525″ N	1° 59′ 45.776″ Е
7	53° 55′ 22.663″ N	2° 2′ 14.219″ E
8	53° 56′ 16.303″ N	2° 1′ 15.269″ E
9	53° 56′ 46.586″ N	2° 5′ 4.031″ E
10	53° 57′ 12.481″ N	2° 4′ 32.376″ E
11	53° 57′ 24.509″ N	2° 6′ 6.700″ E
12	53° 50′ 10.018″ N	2° 13′ 57.158″ E
13	53° 49′ 14.297″ N	2° 11′36.820″ E

Table 2: Co-ordinates for Wind Farm Area 2 (limits of deviation for Work No. 2)

Point	Latitude	Longitude
14	53° 49′ 58.584″ N	1° 59′ 54.762″ E
15	53° 49′ 58.944″ N	1° 58′ 59.804″ E

*Work No. 3*— an offshore wind generating station within Wind Farm Area 3, whose coordinates constitute the limits of deviation for Work. No. 3 and are specified in Table 3, comprising—

- (a) up to 80 wind turbine generators fixed to the seabed;
- (b) a network of subsea inter-array electrical circuits connecting the structures comprised in Work No. 3—
  - (i) with each other;
  - (ii) within any other structure located within Wind Farm Area 3; and
  - (iii) (for the purpose of connecting any structure comprised in Work No. 3 with any structure comprised in Works Nos. 1, 2 and 4) with the network of electrical circuits comprised in Works Nos. 1, 2 and 4;
- (c) subject to paragraph 4, an offshore accommodation platform fixed to the seabed which may be connected to one of the offshore HVAC collector substations or offshore HVDC converter stations within Work No. 4 by an unsupported steel bridge.

### Table 3: Co-ordinates for Wind Farm Area 3 (limits of deviation for Work No. 3)

Point	Latitude	Longitude
1	53° 55′ 46.445″ N	1° 47′ 47.796″ E
2	53° 56′ 22.870″ N	1° 51′ 57.409″ E
3	53° 55′ 31.318″ N	1° 52′ 54.282″ E
4	53° 55′ 37.592″ N	1° 53′ 38.108″ E
5	53° 55′ 23.329″ N	1° 55′ 20.262″ E
6	53° 55′ 8.162″ N	1° 56′ 10.619″ E
7	53° 55′ 27.264″ N	1° 58′ 23.884″ E
8	53° 55′ 20.760″ N	1° 58′ 30.994″ E
9	53° 49′ 44.770″ N	2° 4′ 37.254″ E
10	53° 49′ 40.620″ N	2° 4′ 41.765″ E
11	53° 49′ 58.584″ N	1° 59′ 54.762″ E
12	53° 49′ 58.944″ N	1° 58′ 59.804″ E
13	53° 50′ 0.845″ N	1° 53′ 51.856″ E
14	53° 50′ 1.222″ N	1° 53′ 51.441″ E
15	53° 55′ 44.123″ N	1° 47′ 31.921″ E

#### **Commencement Information**

I2 (p01747) Sch. 1 Pt. 1 para. 2 in force at 31.12.2014, see art. 1

**3.** Work No. 3 may not be constructed, in whole or part, if either Works Nos. 1 or 2 are constructed so as to include more than 80 wind turbine generators.

## **Commencement Information**

I3 (p01747) Sch. 1 Pt. 1 para. 3 in force at 31.12.2014, see art. 1

**4.** The combined total of offshore accommodation platforms constructed in whole or in part within Works Nos. 1, 2 and 3 must not exceed 2.

#### **Commencement Information**

I4 (p01747) Sch. 1 Pt. 1 para. 4 in force at 31.12.2014, see art. 1

5. The associated development comprises the following scheduled works and the works specified in paragraph 6—

#### **Offshore works**

*Work No. 4* — up to five offshore HVAC collector substations and, in the event that the mode of transmission is HVDC, up to 2 offshore HVDC converter stations together with a network of electrical circuits connecting the structures within Work No. 4, the limits of deviation for which are specified in Table 4.

Point	Latitude	Longitude
1	53° 58′ 42.179″ N	1° 44′ 31.880″ E
2	53° 55′ 46.445″ N	1° 47′ 47.796″ E
3	53° 56′ 22.870″ N	1° 51′ 57.409″ E
4	53° 55′ 31.318″ N	1° 52′ 54.282″ E
5	53° 55′ 37.592″ N	1° 53′ 38.108″ E
6	53° 55′ 23.329″ N	1° 55′ 20.262″ E
7	53° 55′ 8.162″ N	1° 56′ 10.619″ E
8	53° 55′ 35.429″ N	1° 59′ 20.944″ E
9	53° 55′ 2.525″ N	1° 59′ 45.776″ E
10	53° 55′ 22.663″ N	2° 2′ 14.219″ E
11	53° 56′ 16.303″ N	2° 1′ 15.269″ E
12	53° 56′ 46.586″ N	2° 5′ 4.031″ E
13	53° 57′ 12.481″ N	2° 4′ 32.376″ E
14	53° 57′ 24.509″ N	2° 6′ 6.700″ E
15	53° 50′ 10.018″ N	2° 13′ 57.158″ E
16	53° 49′ 14.297″ N	2° 11′ 36.820″ E
17	53° 49′ 58.584″ N	1° 59′ 54.762″ E

#### Table 4: Limits of deviation for Work No. 4

Point	Latitude	Longitude
18	53° 49′ 58.944″ N	1° 58′ 59.804″ E
19	53° 50′ 5.118″ N	1° 38′ 58.430″ E
20	53° 55′ 9.293″ N	1° 39′ 52.024″ E
21	53° 56′ 3.228″ N	1° 41′ 0.143″ E
22	53° 56′ 29.670″ N	1° 43′ 45.592″ E
23	53° 58′ 17.828″ N	1° 41′ 46.795″ E

*Work No.* 5 — in the event that the mode of transmission is HVAC, an offshore reactive compensation substation fixed to the seabed at latitude point 53° 37′ 39.284" N and longitude point 0° 56′ 9.841" E subject to deviation within the limits of deviation specified in Table 5.

Point	Latitude	Longitude
1	53° 37′ 47.368″ N	0° 56′ 9.446″ E
2	53° 37′ 47.217″ N	0° 56′ 12.482″ E
3	53° 37′ 46.669″ N	0° 56′ 15.386″ E
4	53° 37′ 45.750″ N	0° 56′ 18.012″ E
5	53° 37′ 44.507″ N	0° 56′ 20.228″ E
6	53° 37′ 43.002″ N	0° 56′ 21.923″ E
7	53° 37′ 41.311″ N	0° 56′ 23.012″ E
8	53° 37′ 39.518″ N	0° 56′ 23.440″ E
9	53° 37′ 37.713″ N	0° 56′ 23.187″ E
10	53° 37′ 35.987″ N	0° 56′ 22.264″ E
11	53° 37′ 34.426″ N	0° 56′ 20.719″ E
12	53° 37′ 33.109″ N	0° 56′ 18.628″ E
13	53° 37′ 32.101″ N	0° 56′ 16.096″ E
14	53° 37′ 31.454″ N	0° 56′ 13.251″ E
15	53° 37′ 31.199″ N	0° 56′ 10.235″ E
16	53° 37′ 31.349″ N	0° 56′ 7.199″ E
17	53° 37′ 31.898″ N	0° 56′ 4.295″ E
18	53° 37′ 32.816″ N	0° 56′ 1.670″ E
19	53° 37′ 34.059″ N	0° 55′ 59.454″ E
20	53° 37′ 35.564″ N	0° 55′ 57.759″ Е
21	53° 37′ 37.255″ N	0° 55′ 56.669″ E
22	53° 37′ 39.048″ N	0° 55′ 56.240″ E

## Table 5: Limits of deviation for Work No. 5

Point	Latitude	Longitude
23	53° 37′ 40.853″ N	0° 55′ 56.493″ E
24	53° 37′ 42.579″ N	0° 55′ 57.416″ E
25	53° 37′ 44.140″ N	0° 55′ 58.961″ E
26	53° 37′ 45.458″ N	0° 56′ 1.052″ E
27	53° 37′ 46.465″ N	0° 56′ 3.584″ E
28	53° 37′ 47.113″ N	0° 56′ 6.429″ E

*Work No.* 6 — a marine connection to the shore, including cable and pipeline crossing works which—

- (a) if the mode of transmission is HVAC, consists of up to four subsea electrical circuits proceeding from the offshore HVAC collector substations in Wind Farm Areas 1, 2 and 3 via and connecting with the offshore reactive compensation substation comprised in Work No. 5; or
- (b) if the mode of transmission is HVDC, consists of two subsea electrical circuits proceeding from the offshore HVDC converter station or stations within Wind Farm Areas 1, 2 and 3,
- (c) and in either case terminates at the commencement of Work No. 7.

The limits of deviation for Work No. 6 are those specified in the offshore works plans, with the principal co-ordinates for the marine export cable area identified in Table 6.

Point	Latitude	Longitude
1	53° 58′ 42.179″ N	1° 44′ 31.880″ E
2	53° 55′ 46.445″ N	1° 47′ 47.796″ E
3	53° 56′ 22.870″ N	1° 51′ 57.409″ E
4	53° 55′ 31.318″ N	1° 52′ 54.282″ E
5	53° 55′ 37.592″ N	1° 53′ 38.108″ E
6	53° 55′ 23.329″ N	1° 55′ 20.262″ Е
7	53° 55′ 8.162″ N	1° 56′ 10.619″ E
8	53° 55′ 35.429″ N	1° 59′ 20.944″ Е
9	53° 55′ 2.525″ N	1° 59′ 45.776″ Е
10	53° 55′ 22.663″ N	2° 2′ 14.219″ E
11	53° 56′ 16.303″ N	2° 1′ 15.269″ E
12	53° 56′ 46.586″ N	2° 5′ 4.031″ E
13	53° 57′ 12.481″ N	2° 4′ 32.376″ E
14	53° 57′ 24.509″ N	2° 6′ 6.700″ E
15	53° 50′ 10.018″ N	2° 13′ 57.158″ E
16	53° 49′ 14.297″ N	2° 11′ 36.820″ E

 Table 6: Limits of deviation for the marine export cable area

Point	Latitude	Longitude
18	53° 48′ 24.484″ N	2° 10′ 40.243″ E
19	53° 48′ 17.722″ N	2° 7′ 38.708″ E
22	53° 48′ 51.983″ N	2° 0′ 20.504″ E
24	53° 48′ 48.527″ N	1° 56′ 7.168″ E
27	53° 48′ 10.932″ N	1° 53′ 5.208″ E
30	53° 47′ 39.535″ N	1° 46′ 16.691″ E
33	53° 46′ 9.387″ N	1° 38′ 58.729″ E
37	53° 46′ 4.677″ N	1° 37′ 22.711″ E
39	53° 44′ 47.813″ N	1° 28′ 38.495″ E
44	53° 44′ 47.743″ N	1° 27′ 26.607″ E
46	53° 44′ 36.477″ N	1° 25′ 23.743″ E
153	53° 42′ 30.629″ N	1° 15′ 58.654″ E
164	53° 42′ 28.182″ N	1° 14′ 34.895″ E
276	53° 39′ 35.134″ N	1° б′ 29.785″ Е
328	53° 38′ 17.582″ N	1° 2′ 16.928″ E
459	53° 36′ 54.624″ N	0° 51′ 31.062″ E
461	53° 36′ 15.738″ N	0° 48′ 52.425″ E
525	53° 35′ 21.166″ N	0° 43′ 44.242″ E
527	53° 31′ 50.425″ N	0° 40′ 55.898″ E
528	53° 31′ 38.281″ N	0° 40′ 8.340″ E
533	53° 28′ 36.676″ N	0° 20′ 3.846″ E
544	53° 31′ 43.122″ N	0° 12′ 21.707″ E
545	53° 30′ 57.432″ N	0° 5′ 59.890″ E
546	53° 30′ 35.438″ N	0° 5′ 23.202″ E
547	53° 30′ 42.212″ N	0° 5′ 9.948″ E
549	53° 31′ 36.033″ N	0° 6′ 10.831″ E
588	53° 32′ 16.976″ N	0° 12′ 37.072″ E
771	53° 29′ 11.523″ N	0° 20′ 5.981″ E
1009	53° 31′ 28.589″ N	0° 35′ 44.348″ E
1010	53° 32′ 0.855″ N	0° 37′ 42.781″ E
1011	53° 32′ 17.793″ N	0° 39′ 31.883″ E
1012	53° 32′ 35.749″ N	0° 39′ 45.737″ E
1013	53° 33′ 8.117″ N	0° 39′ 47.665″ E

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Point	Latitude	Longitude
1014	53° 34′ 28.861″ N	0° 41′ 27.396″ E
1015	53° 35′ 42.522″ N	0° 42′ 37.802″ E
1018	53° 36′ 25.571″ N	0° 43′ 54.129″ E
1089	53° 37′ 2.569″ N	0° 47′ 31.846″ E
1091	53° 37′ 30.986″ N	0° 49′ 14.023″ E
1094	53° 37′ 29.991″ N	0° 51′ 27.606″ E
1095	53° 37′ 36.904″ N	0° 52′ 22.841″ E
1119	53° 38′ 45.654″ N	0° 57′ 1.237″ E
1151	53° 39′ 16.652″ N	1° 1′ 1.016″ E
1157	53° 39′ 42.566″ N	1° 1′ 40.167″ E
1163	53° 41′ 20.037″ N	1° 6′ 45.836″ E
1165	53° 42′ 59.843″ N	1° 14′ 18.127″ E
1172	53° 43′ 0.151″ N	1° 15′ 37.960″ E
1173	53° 45′ 6.659″ N	1° 25′ 3.239″ E
1174	53° 45′ 19.169″ N	1° 27′ 18.352″ E
1189	53° 45′ 20.249″ N	1° 28′ 32.601″ E
1256	53° 46′ 36.946″ N	1° 36′ 57.722″ Е
1270	53° 46′ 40.338″ N	1° 38′ 22.735″ Е
1272	53° 50′ 5.118″ N	1° 38′ 58.430″ E
1273	53° 55′ 9.293″ N	1° 39′ 52.024″ E
1274	53° 56′ 3.228″ N	1° 41′ 0.143″ E
1275	53° 56′ 29.670″ N	1° 43′ 45.592″ Е
1276	53° 58′ 17.828″ N	1° 41′ 46.795″ E

*Work No.* 7 — a foreshore connection consisting of an extension of the electrical circuits comprised in Work No. 6, including cable crossing works, crossing under the existing sea wall using the horizontal directional drilling method and terminating at the electrical circuit transition joint bays (Work No. 8).

### **Onshore works**

*Work No. 8*—up to four underground electrical circuit transition joint bays in the vicinity of Horseshoe Point in the parish of North Coates in the county of Lincolnshire, housing the connections between the offshore and the onshore electrical circuits.

*Work No. 9*— a connection consisting of two underground transmission electrical circuits if the mode of transmission is HVDC and up to four underground transmission electrical circuits if the mode of transmission is HVAC. The connection proceeds—

- (a) from Work No. 8 at co-ordinate: Easting 537791, Northing 402441; to
- (b) Work No. 10 at co-ordinate: Easting 514992, Northing 419274.

*Work No. 10* — an electrical transmission station including a building abutting an open yard (which may be partitioned with concrete or steel walls or fences containing switchgear, electrical reactors and other electrical equipment) on land adjoining the North Killingholme National Grid substation. If the electrical circuits comprised in Works Nos. 6, 7 and 9 are HVDC, the electrical transmission station will include facilities to convert the current to HVAC.

*Work No. 11* — a connection consisting of up to two underground electrical circuits between Work No. 10 and the North Killingholme National Grid substation, including a connection above ground and electrical engineering works within the National Grid substation buildings and compound.

*Work No. 12* — improvements to the verge, highway and private access road running north from Chase Hill Road between the junction with Haven Road in the east and Eastfield Road in the west.

### **Commencement Information**

I5 (p01747) Sch. 1 Pt. 1 para. 5 in force at 31.12.2014, see art. 1

6. The associated development includes such further development as may be necessary or expedient in connection with each of the scheduled works within Order limits which are within the scope of the environmental impact assessment recorded in the Environmental Statement including—

- (a) scour protection around the foundations of the offshore structures;
- (b) cable protection measures such as rock placement and the placement of concrete mattresses and frond mattresses;
- (c) the disposal of seabed sediments dredged during installation of the foundations of the offshore structures;
- (d) dredging;
- (e) works to alter the position of apparatus, including mains, sewers, drains and cables;
- (f) works to alter the course of, or otherwise interfere with, non-navigable rivers, streams or watercourses;
- (g) landscaping and other works to mitigate any adverse effects of the construction, maintenance or operation of the authorised project;
- (h) works for the benefit or protection of land affected by the authorised project;
- (i) working sites in connection with the construction of the authorised project;
- (j) works to secure means of access;
- (k) works to construct surface water drainage systems;
- (1) in connection with Work No. 10, private roads and hardstanding for parking;
- (m) jointing pits (including link and/or earthing boxes) in the immediate vicinity of Work No. 9;
- (n) a temporary haul road and temporary access track, both alongside and used for the purpose of constructing Work No. 9;
- (o) works to enable utility services to be run from Chase Hill Road to Work No. 10; and
- (p) such other works and apparatus, plant and machinery of whatever nature as may be necessary or expedient for the purposes of or in connection with the construction of the authorised project.

## **Commencement Information**

I6 (p01747) Sch. 1 Pt. 1 para. 6 in force at 31.12.2014, see art. 1



## Ancillary works

#### **Commencement Information**

I7 Sch. 1 Pt. 2 in force at 31.12.2014, see art. 1

Works and operations within the Order limits comprising-

- (a) temporary anchorage of vessels; and
- (b) buoys, beacons, fenders and other navigational warning or ship impact protection works.



Requirements

### Time limits E+W+S

**1.** The authorised development shall commence no later than the expiration of five years beginning with the date this Order comes into force.

#### **Commencement Information**

**I8** (p01747) Sch. 1 Pt. 3 para. 1 in force at 31.12.2014, see art. 1

### Detailed design parameters E+W+S

2.—(1) All wind turbine generators forming part of Works Nos. 1, 2 and 3 must not—

- (a) be less than 82 metres to the turbine hub when measured from MHWS;
- (b) exceed a height of 200 metres from MHWS to the upper tip of the vertical blade;
- (c) exceed a rotor diameter of 178 metres;
- (d) be less than 22 metres from MHWS to the lowest point of the rotating blade;
- (e) be less than 924 metres from the nearest wind turbine generator in all directions.
- (2) Each offshore HVAC collector substation forming part of Work No. 4 must not-
  - (a) exceed 60 metres in height above MHWS;
  - (b) have a platform which at its greatest extent exceeds  $1,800 \text{ m}^2$  or 40 metres in width.
- (3) Each offshore HVDC converter station forming part of Work No. 4 must not-
  - (a) exceed 63 metres in height above MHWS;
  - (b) have a platform which at its greatest extent exceeds  $7,200 \text{ m}^2$  or 120 metres in width.
- (4) Each offshore accommodation platform forming part of Works Nos. 1, 2, and 3 must not-

- (a) exceed 60 metres in height above MHWS;
- (b) have a platform which at its greatest extent exceeds,  $3,600 \text{ m}^2$  or 60 metres in width.
- (5) The offshore reactive compensation substation comprised in Work No. 5 must not-
  - (a) exceed 63 metres in height above MHWS; or
  - (b) have a platform which at its greatest extent exceeds  $1,800 \text{ m}^2$  or 45 metres in width.

(6) The diameter of the electrical cables comprising the electrical circuits must not exceed the following limitations—

(a) within Works Nos. 1, 2 and 3, 170 mm;

- (b) within Work No. 4, 300 mm;
- (c) within Work Nos. 6 and 7, 200 mm where the mode of transmission is HVDC and 300 mm where the mode of transmission is HVAC.

(7) The combined length of the inter-array electrical circuits comprised in Works Nos. 1, 2 and 3 must not exceed 450 km.

(8) The total length of the electrical circuits comprised in Work No. 4 must not exceed 80 km.

(9) The combined total area of cable protection for the electrical circuits comprising Works Nos. 1, 2 and 3 must not exceed 450,000  $m^2$ .

(10) The total area of cable protection for the electrical circuits comprising Work No. 4 must not exceed  $80,000 \text{ m}^2$ .

(11) The total area of cable protection for the electrical circuits comprising Work No. 6 located outwith the Humber Estuary Special Area of Conservation must not exceed 1,468,000  $m^2$ .

(12) The total area of cable protection for the electrical circuits comprising Work No. 6 located within the Humber Estuary Special Area of Conservation must not exceed 12,800  $m^2$ .

(13) The combined total length of the electrical circuits comprised in Works Nos. 6 and 7 seaward of MHWS must not exceed 600 km.

(14) The combined total volume of cable protection for the electrical circuits comprising Works Nos. 1, 2 and 3 must not exceed 562,500  $\text{m}^3$ .

(15) The total volume of cable protection for the electrical circuits comprising Work No. 4 must not exceed  $100,000 \text{ m}^3$ .

(16) The total volume of cable protection for the electrical circuits comprising Work No. 6 located outwith the Humber Estuary Special Area of Conservation must not exceed 1,835,000 m<sup>3</sup>.

(17) The total volume of cable protection for the electrical circuits comprising Work No. 6 located within the Humber Estuary Special Area of Conservation must not exceed  $16,000 \text{ m}^3$ .

(18) The electrical circuits comprised in Works Nos. 1, 2, 3, 4 and 6 must be installed by use of, or a combination of, ploughing, trenching, jetting, rock-cutting, dredging, surface laying with post lay burial, and where ground conditions make burial impracticable, by surface laying.

(19) The electrical circuits comprised in Work No. 7 must be installed by use of, or a combination of, ploughing, trenching and jetting.

(20) The total area in which the four underground transition pits comprised in Work No. 8 may be contained must not exceed 1,000  $m^2$  and none of the four transition pits within that area must individually exceed 25 m by 10 m.

(21) The diameter of the cables within Works Nos. 9 and 11 must not exceed 300 mm in diameter.

(22) The main building comprised in Work No. 10 (the electrical transmission station) must not—

- (a) exceed 24 metres in height;
- (b) exceed 80 metres in width;
- (c) exceed 120 metres in length.

(23) The site of Work No. 10 must not cover more than  $32,200 \text{ m}^2$  in area, excluding any area of land required for landscaping and mitigation.

(24) References to the location of a wind turbine generator are references to the centre point of the turbine.

#### **Commencement Information**

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I9 (p01747) Sch. 1 Pt. 3 para. 2 in force at 31.12.2014, see art. 1
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### Colour and lighting E+W+S

**3.** Except as otherwise required by Trinity House under Condition 6A of the deemed marine licences set out in Schedule 8, the undertaker must exhibit such lights, with such shape, colour and character as required by Air Navigation Order 2009(1) or as directed by the Civil Aviation Authority or the Secretary of State for Defence.

#### **Commencement Information**

**I10** (p01747) Sch. 1 Pt. 3 para. 3 in force at 31.12.2014, see art. 1

### Foundation methods E+W+S

**4.**—(1) The undertaker must in fixing to the seabed any structures comprised in Works Nos. 1, 2, 3, 4 and 5 use one of the following methods—

- (a) monopile foundations;
- (b) jacket foundations supported by piles; or
- (c) gravity base foundations.

(2) The undertaker must not use the monopile foundation method or any other method which includes braced monopiles to fix to the seabed any offshore HVDC converter station.

(3) The following parameters apply in respect of the foundation methods used to fix wind turbine generators to the seabed—

- (a) where monopile foundations are used—
  - (i) the area occupied by the foundations and the scour protection for each individual structure must not exceed 1,419 m<sup>2</sup>;
  - (ii) the diameter of each foundation must not exceed 8.5 metres;
- (b) where jacket foundations (driven/drilled piles) are used-
  - (i) the area occupied by the foundations and the scour protection for each individual structure must not exceed 707 m<sup>2</sup> per wind turbine;
  - (ii) the number of piles per jacket must not exceed four;
  - (iii) the diameter of each pile must not exceed three metres;

<sup>(1)</sup> S.I. 2009/3015.

- (c) where jacket foundations (suction piles) are used—
  - (i) the area occupied by the foundations and scour protection for each individual structure must not exceed 6,362 m<sup>2</sup>;
  - (ii) the number of piles per jacket must not exceed four;
  - (iii) the diameter of each pile must not exceed 15 metres;
- (d) where gravity base foundations are used-
  - (i) the area occupied by the foundations and the scour protection for each individual structure must not exceed 6,362 m<sup>2</sup>;
  - (ii) the seabed levelling diameter must not exceed 70 metres;
  - (iii) the cone diameter must not exceed 50 metres at its base.

(4) The following parameters apply in respect of the foundation methods used to fix offshore accommodation platforms to the seabed—

- (a) where monopile foundations are used—
  - (i) the area occupied by the foundations and the scour protection for each individual structure must not exceed 1,419 m<sup>2</sup>;
  - (ii) the diameter of each foundation must not exceed 8.5 metres;
- (b) where jacket foundations (driven/drilled piles) are used-
  - (i) the area occupied by the foundations and the scour protection for each individual structure must not exceed 1,414 m<sup>2</sup>;
  - (ii) the number of piles must not exceed eight;
  - (iii) the diameter of each pile must not exceed three metres;
- (c) where jacket foundations (suction piles) are used-
  - (i) the area occupied by the foundations and the scour protection for each individual structure must not exceed 6,362 m<sup>2</sup>;
  - (ii) the number of piles per jacket must not exceed eight;
  - (iii) the diameter of each pile must not exceed 15 metres;
- (d) where gravity base foundations are used—
  - (i) the area occupied by the foundations and the scour protection for each individual structure must not exceed 6,362 m<sup>2</sup>;
  - (ii) the seabed levelling diameter must not exceed 70 metres;
  - (iii) the cone diameter must not exceed 50 metres at its base.

(5) The following parameters apply in respect of the foundation methods used to fix offshore HVAC collector substations to the seabed—

- (a) where monopile foundations are used—
  - (i) the area occupied by the foundations and the scour protection for each individual structure must not exceed 1,419 m<sup>2</sup>;
  - (ii) the diameter of each foundation must not exceed 8.5 metres;
- (b) where jacket foundations (driven/drilled piles) are used-
  - (i) the area occupied by the foundations and the scour protection for each individual structure must not exceed 1,924 m<sup>2</sup>;
  - (ii) the number of piles per jacket must not exceed eight;

(iii) the diameter of each pile must not exceed 3.5 metres;

- (c) where jacket foundations (suction piles) are used—
  - (i) the area occupied by the foundations and the scour protection for each individual structure must not exceed 12,723 m<sup>2</sup>;
  - (ii) the number of piles per jacket must not exceed eight;
  - (iii) the diameter of each pile must not exceed 15 metres;
- (d) where gravity base foundations are used-
  - (i) the area occupied by the foundations and the scour protection for each individual structure must not exceed 6,362 m<sup>2</sup>;
  - (ii) the seabed levelling diameter must not exceed 70 metres;
  - (iii) the cone diameter must not exceed 50 metres at its base.

(6) The following parameters apply in respect of the foundation methods used to fix offshore HVDC converter stations to the seabed—

- (a) where jacket foundations (driven/drilled piles) are used-
  - (i) the area occupied by the foundations and the scour protection for each individual structure must not exceed 4,330 m<sup>2</sup>;
  - (ii) the number of piles per jacket must not exceed 18;
  - (iii) the diameter of each pile must not exceed 3.5 metres;
- (b) where jacket foundations (suction piles) are used-
  - (i) the area occupied by the foundations and the scour protection for each individual structure must not exceed 12,723 m<sup>2</sup>;
  - (ii) the number of piles per jacket must not exceed eight;
  - (iii) the diameter of each pile must not exceed 15 metres;
- (c) where gravity base foundations are used—
  - (i) the area occupied by the foundations and the scour protection for each individual structure must not exceed 19,500 m<sup>2</sup>;
  - (ii) the number of pontoons for each individual structure must not exceed two;
  - (iii) the pontoons must not exceed 110 metres in length or 35 metres in width.

(7) The following parameters apply in respect of the foundation methods used to fix the offshore reactive compensation substation to the seabed—

- (a) where monopile foundations are used—
  - (i) the area occupied by the foundations and the scour protection must not exceed 1,419  $m^2$ ;
  - (ii) the diameter of each foundation must not exceed 8.5 metres;
- (b) where jacket foundations (driven/drilled piles) are used-
  - (i) the area occupied by the foundations and the scour protection must not exceed 1,414  $m^2$ ;
  - (ii) the number of piles per jacket must not exceed eight;
  - (iii) the diameter of each pile must not exceed three metres;
- (c) where jacket foundations (suction piles) are used—

- (i) the area occupied by the foundations and the scour protection must not exceed 6,362 m<sup>2</sup>;
- (ii) the number of piles per jacket must not exceed eight;
- (iii) the diameter of each pile must not exceed 15 metres;
- (d) where gravity base foundations are used-
  - (i) the area occupied by the foundations and the scour protection for each individual structure must not exceed 6,362 m<sup>2</sup>;
  - (ii) the seabed levelling diameter must not exceed 70 metres;
  - (iii) the cone diameter must not exceed 50 metres at its base.

(8) The combined total volume of scour protection for the wind turbine generators and the offshore accommodation platforms forming part of the authorised development must not exceed  $3,226,187 \text{ m}^3$ .

#### **Commencement Information**

II1 (p01747) Sch. 1 Pt. 3 para. 4 in force at 31.12.2014, see art. 1

## Archaeology above mean low water level E+W+S

**5.**—(1) No part of the authorised development above MLWS is to commence within the area of a local planning authority until a written scheme for the investigation of areas of archaeological interest above MLWS has been submitted to and approved by the local planning authority.

(2) The scheme must identify areas where field work and/or a watching brief are required, and the measures to be taken to protect, record or preserve any significant archaeological remains that may be found.

(3) Any archaeological works or watching brief carried out under the approved scheme must be by a suitably qualified person or body approved by the local planning authority.

(4) Any archaeological works or watching brief must be carried out in accordance with the approved scheme.

#### **Commencement Information**

I12 (p01747) Sch. 1 Pt. 3 para. 5 in force at 31.12.2014, see art. 1

## Ecological management plan above mean low water level E+W+S

**6.**—(1) No part of the authorised development above MLWS is to commence within the area of a local planning authority until a written ecological management plan relating to the land above MLWS based on the draft ecological management plan contained in volume 6 of the Environmental Statement and reflecting the survey results and ecological mitigation measures included in the environmental statement has been submitted to and approved by the local planning authority in consultation with Natural England, the Environment Agency, and to the extent that the plan relates to the intertidal area, the MMO.

(2) The ecological management plan must include an implementation timetable and must be carried out as approved.

(3) The ecological management plan must be submitted for approval at least four months prior to the intended start of construction unless otherwise agreed in writing by the local planning authority in consultation with Natural England.

#### **Commencement Information**

I13 (p01747) Sch. 1 Pt. 3 para. 6 in force at 31.12.2014, see art. 1

## Code of Construction Practice **E+W+S**

7.—(1) No part of the authorised development above MLWS is to commence within the area of a local planning authority until a code of construction practice relating to the works authorised above MLWS based on the draft code of construction practice contained in volume 4 of the Environmental Statement has been submitted to and approved by the local planning authority such approval to be provided in the case of any construction traffic management plan submitted pursuant to sub-paragraph (e), and any travel plan submitted pursuant to sub-paragraph (l) in consultation with the relevant highway authority and the Highways Agency. The code of construction practice must include—

- (a) an external lighting scheme for the construction phase;
- (b) construction noise and vibration monitoring and management measures;
- (c) air quality and dust monitoring and management measures during construction;
- (d) a site waste management plan detailing sustainable site waste management measures;
- (e) a construction traffic management plan;
- (f) measures to prevent and control spillage of oil, chemicals and other potentially harmful liquids;
- (g) details of the storage of materials during construction;
- (h) measures for the protection of surface and ground water during construction;
- (i) a communication plan;
- (j) a Health and Safety Plan including details of how health and safety risks are identified and managed during construction;
- (k) details of screening and fencing to be installed during construction;
- (1) a travel plan for the construction workforce to include details of-
  - (i) expected means of travel to and from the construction sites;
  - (ii) numbers of construction staff, working hours and modal split;
  - (iii) details of the number of car parking spaces to be provided on sites and if appropriate a car park management plan;
  - (iv) specification of measures to encourage sustainable travel to and from the construction site for construction staff;
  - (v) responsibility and timescales for implementing proposed measures;
  - (vi) targets for vehicle trips and modal splits;
  - (vii) formal monitoring regime for those targets; and
  - (viii) details of mess/canteen facilities for staff.
- (2) All construction works must be undertaken in accordance with the approved code.

#### **Commencement Information**

II4 Sch. 1 para. 7 in force at 31.12.2014, see art. 1

## Landscaping E+W+S

**8.**—(1) No part of the authorised development above MLWS is to commence within the area of a local planning authority until a written landscape scheme has been submitted to and approved by the local planning authority.

(2) The written landscape scheme must include the provisions of the draft landscape scheme and management plan contained in Annex 6.4.16: Landscape Scheme and Management Plan of the Environmental Statement, subject to any variation approved by the local planning authority, and, in addition details of—

- (a) cultivation, importing of materials and other operations to ensure plant establishment;
- (b) proposed finished ground levels;
- (c) hard surfacing materials;
- (d) minor structures, refuse or other storage units, signs and lighting.

#### **Commencement Information**

I15 Sch. 1 para. 8 in force at 31.12.2014, see art. 1

### Implementation and maintenance of landscaping E+W+S

**9.**—(1) The landscape works must be carried out in accordance with the relevant scheme approved under requirement 8.

(2) Any tree or shrub planted as part of an approved landscape scheme that within a period of five years after planting, is removed, dies or becomes, in the opinion of the local 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, unless alternative timing or a different specimen is otherwise approved by the local planning authority.

### **Commencement Information**

II6 Sch. 1 para. 9 in force at 31.12.2014, see art. 1

## Decommissioning E+W+S

**10.** No part of the authorised development below MHWS is to commence until a written decommissioning programme in compliance with any notice served upon the undertaker by the Secretary of State pursuant to section 105(2) of the 2004 Act has been submitted to the Secretary of State for approval in relation to that part.

Commencement Information I17 Sch. 1 para. 10 in force at 31.12.2014, see art. 1

### Highway accesses E+W+S

11.—(1) No 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 is to commence until written details of the design and layout of such works have been submitted to and approved by the local planning authority in consultation with the relevant highway authority.

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

#### **Commencement Information**

I18 Sch. 1 para. 11 in force at 31.12.2014, see art. 1

#### Contaminated land and groundwater E+W+S

**12.**—(1) No part of the authorised development within the area of a local planning authority is to commence until a written scheme to deal with the contamination of any land, including groundwater within the Order limits which is likely to cause significant harm to persons or pollution of controlled waters or the environment has been submitted to, and approved by, the local planning authority in consultation with the Environment Agency and, to the extent that the plan relates to the intertidal area, the MMO.

(2) The scheme must include an investigation and assessment report, prepared by a specialist consultant approved by the local planning authority, to identify the extent of any contamination and the remedial measures to be taken for that stage to render the land fit for its intended purpose, together with a management plan which sets out long-term measures with respect to any contaminants remaining on the site.

(3) No remedial work constituting a material operation in respect of contamination of any land, including groundwater within the Order limits is to be carried out until the scheme has been approved.

(4) In carrying out the works for the authorised development, the undertaker must not conduct horizontal directional drilling operations unless the scheme includes a hydrogeological risk assessment demonstrating that such operations are unlikely to cause an unacceptable risk to groundwater quality.

(5) Remediation must be carried out in accordance with the approved scheme.

#### **Commencement Information**

I19 Sch. 1 para. 12 in force at 31.12.2014, see art. 1

#### Surface water drainage E+W+S

**13.**—(1) No part of the electrical transmission station is to commence until a detailed surface water drainage scheme based on sustainable drainage principles and an assessment of the hydrological and hydrogeological context of the electrical transmission station have been submitted to and approved in writing by the local planning authority, in consultation with the Environment Agency and the drainage board within the meaning of section 25 of the Land Drainage Act 1991.

(2) Construction of the electrical transmission station must be carried out in accordance with the scheme.

## **Commencement Information**

I20 Sch. 1 para. 13 in force at 31.12.2014, see art. 1

#### Colour and detailed design approval – electrical transmission station E+W+S

**14.**—(1) Unless otherwise agreed by the local planning authority, the electrical transmission station comprised in Work No. 10 must be coloured using one or more of the following colours—

Bluebell (RAL Code 270 50 30) Lilac (RAL Code 270 60 25) Chalk Blue (RAL Code 270 70 20) Baltic Blue (RAL Code 270 80 15) White Lilac (RAL Code 270 85 10) Blue White (RAL Code 270 90 05)

(2) Notwithstanding sub-paragraph (1), construction of Work No. 10 must not commence until details of the layout, scale and external appearance of that work have been submitted to and approved by the relevant planning authority.

(3) The construction of Work No. 10 must be carried out in accordance with the approved details.

#### **Commencement Information**

I21 Sch. 1 para. 14 in force at 31.12.2014, see art. 1

### Prohibited access E+W+S

**15.**—(1) The undertaker must not use the access road along the crest of the sea defences within the plots numbered 37 - 40 on the land plans during the construction of Work Nos. 6 to 8.

(2) Except in an emergency, the access road along the sea defences within the plots numbered 37 - 40 on the land plans may not be used by the undertaker following the construction of Work Nos. 6 to 8 until a scheme for the protection of the sea defences from use of the access road by the undertaker during the operation and maintenance of the authorised project has been submitted to and approved in writing by the Environment Agency.

(3) If the Environment Agency fails to notify the undertaker of its decision on whether to give approval within 28 days of receiving the scheme for approval the Environment Agency is deemed to have given approval.

(4) The use of the access road must be in accordance with the approved scheme.

#### **Commencement Information**

Sch. 1 para. 15 in force at 31.12.2014, see art. 1

## Port traffic management plan E+W+S

16.—(1) No part of the authorised development below MLWS (excluding ducting and related works which are an integral part of works landward of MLWS) is to commence until a traffic management plan for the onshore port-related traffic to and from the selected base port or ports for construction, operation or both of the relevant part of the authorised development, and relating to

the relevant part of the authorised development, has been submitted to and approved in writing by the relevant planning authority in consultation with the relevant highway authority, or the relevant planning authority has confirmed in writing, after consultation with the relevant highway authority, that no traffic management plan is required.

(2) All traffic management plans must be implemented as approved at all times specified within the relevant traffic management plan during the construction, operation or both of the authorised development.

(3) For the purposes of this requirement—

"relevant highway authority" means the highway authority or authorities in whose area the relevant port is located;

"relevant planning authority" means the local planning authority or authorities in whose area the relevant port is located;

"selected base port" or "ports" means a port or ports situated in England or Wales and used by management personnel for construction of the authorised project or for the ongoing operational management of the authorised project.

#### **Commencement Information**

I23 Sch. 1 para. 16 in force at 31.12.2014, see art. 1

## Co-operation E+W+S

17.—(1) Prior to the submission of the pre-construction plans and documentation required to be submitted to the MMO for approval under Condition 13 of each of the deemed marine licences set out in Schedules 8 to 11 the undertaker who is the licence-holder under the relevant licence must provide a copy of the plans and documentation to the other undertakers.

(2) The other undertakers must provide any comments on the plans and documentation to the licence-holder within 14 days of receipt of the plans and documentation.

(3) The licence-holder shall participate in liaison meetings with other undertakers as requested from time to time by the MMO in writing in advance, which meetings shall be chaired by the MMO and shall consider such matters as are determined by the MMO relating to the efficient operation of a deemed marine licence where it has an impact on the efficient operation of any other deemed marine licence issued under this Order (including as varied or transferred).

### **Commencement Information**

I24 Sch. 1 para. 17 in force at 31.12.2014, see art. 1

## Control of noise during operational phase E+W+S

**18.** The combined noise rating level from the electrical transmission station, converter and associated plant, emitted during normal operation, shall not exceed 35 dB LAr,Tr at any residential property. The definition of rating level shall be as described in BS 4142:1997. The noise limit only applies to residential properties that have planning permission on 30th July 2013.

Commencement Information 125 Sch. 1 para. 18 in force at 31.12.2014, see art. 1 Document Generated: 2024-06-09

**Changes to legislation:** There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Hornsea One Offshore Wind Farm Order 2014. Any changes that have already been made by the team appear in the content and are referenced with annotations. (See end of Document for details) View outstanding changes

Employment and skills plan E+W+S

**19.**—(1) No part of the authorised development is to commence until an employment and skills plan has been submitted to and approved by North Lincolnshire Council in consultation with the Humber Local Enterprise Partnership.

(2) The plan must include—

- (a) proposals for the provision of information to the Humber Local Enterprise Partnership on the employment and supply chain opportunities associated with the construction, operation and maintenance of the authorised development including details of the core qualifications and skillsets required to access those opportunities;
- (b) proposals for local advertising of employment and supply chain opportunities during the construction of the authorised development;
- (c) proposals for the undertaker to provide outreach employment presentations during the period of construction of the authorised development at appropriate times and locations; and
- (d) proposals for local advertising of employment and supply chain opportunities during the operation of the authorised development.

(3) The approved employment and skills plan must be implemented and maintained during the construction and operation of the authorised development.

(4) For the purposes of this requirement, "Humber Local Enterprise Partnership" means the local enterprise partnership established in June 2011 with the objective of promoting and developing the natural economic area surrounding the Humber estuary and in the event that this local enterprise partnership is no longer in existence means the local planning authority.

#### **Commencement Information**

I26 Sch. 1 para. 19 in force at 31.12.2014, see art. 1

#### North Coates airfield E+W+S

**20.** No part of the authorised development is to commence within half a mile of the perimeter of the North Coates airfield until a plan to secure its safe operation during the construction and operation of the authorised project has been submitted to and approved by the Secretary of State following consultation by the Secretary of State with the operator of North Coates airfield and the Civil Aviation Authority.

#### **Commencement Information**

I27 Sch. 1 para. 20 in force at 31.12.2014, see art. 1

#### **Requirement for written approval E+W+S**

**21.** Where under any of the requirements the approval or agreement of the Secretary of State, the local planning authority or another person or body is required, that approval or agreement must be given in writing.

#### **Commencement Information**

I28 Sch. 1 para. 21 in force at 31.12.2014, see art. 1

#### Amendments to approved details **E+W+S**

**22.**—(1) With respect to any requirement which requires the authorised development to be carried out in accordance with the details of a plan, scheme or code approved by the local planning authority or any other person or body, the approved details, or plan, scheme or code are to be taken to include any amendments that may subsequently be approved in writing by the local planning authority or that other person or body.

(2) Where such details, plan, scheme or code are required to be approved in consultation with another body, any amendments of that document must also be approved in consultation with that body.

(3) Any amendments to or variations from the approved details must be in accordance with the principles and assessments set out in the environmental statement. Such agreement may only be given in relation to immaterial changes where it has been demonstrated to the satisfaction of the relevant planning authority or that other person that the subject matter of the agreement sought is unlikely to give rise to any materially new or materially different environmental effects from those assessed in the environmental statement.

# **Commencement Information**

I29 Sch. 1 para. 22 in force at 31.12.2014, see art. 1

### **Changes to legislation:**

There are outstanding changes not yet made by the legislation.gov.uk editorial team to The Hornsea One Offshore Wind Farm Order 2014. Any changes that have already been made by the team appear in the content and are referenced with annotations. View outstanding changes

### Changes and effects yet to be applied to :

- Sch. 1 para. 2 Table 1 substituted by S.I. 2017/464 art. 3(b)
- Sch. 1 para. 2 Table 2 substituted by S.I. 2017/464 art. 3(c)
- Sch. 1 para. 2 Table 3 substituted by S.I. 2017/464 art. 3(d)
- Sch. 1 para. 2(2)(b) word substituted by S.I. 2016/471 art. 3(a)
- Sch. 1 Pt. 3 para. 6(1) words substituted by S.I. 2015/1280 Sch.
- Sch. 1 Pt. 3 para. 3 words substituted by S.I. 2015/1280 Sch.
- Sch. 1 Pt. 3 para. 22(3) words substituted by S.I. 2015/1280 Sch.
- Sch. 1 para. 2(5)(b) words substituted by S.I. 2016/471 art. 3(b)
- Sch. 1 para. 10 words substituted by S.I. 2016/471 art. 3(c)
- Sch. 1 para. 2 words substituted by S.I. 2017/464 art. 3(a)

Changes and effects yet to be applied to the whole Instrument associated Parts and Chapters:

- Order modified by S.I. 2016/471 art. 4Sch.

Whole provisions yet to be inserted into this Instrument (including any effects on those provisions):

art. 2(6) inserted by S.I. 2015/1280 Sch.