



Hornsea Project Four: Plans and Drawings

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APFP Regulation 5(2)(a)

Volume A4, 4.1 Crossing Schedule - Offshore

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Hornsea 4



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Glossary

Term	Definition
Array area	The consented development area where surface infrastructure shall be installed.
Export cable corridor (ECC)	The specific corridor of seabed (seaward of Mean High Water Springs (MHWS)) and land (landward of MHWS) from the Hornsea Project Four array area to the Creyke Beck National Grid substation, within which the export cables will be located.
Landfall	The generic term applied to the entire landfall area between Mean Low Water Spring (MLWS) tide and the Transition Joint Bay (TJB) inclusive of all construction works.
ETRS89 UTM Zone 31 N	Coordinate reference system

Units

Term	Definition
m	metre
km	kilometre

Acronyms

Acronym	Definition
ECC	Export cable corridor
ID	Identifier
LF	Landfall

How to read the Hornsea Four Offshore Crossing Schedule

Heading in Crossing Schedule	Explanation of Information within column
Ørsted Crossing Identification Number (No.)	<p>1. The crossing IDs are split according to the different elements of offshore infrastructure. The permanent offshore infrastructure elements of Hornsea Four are identified as follows, and form the first part of the Crossing ID:</p> <ul style="list-style-type: none"> (a) the offshore export cable corridor (ECC) crossings begin with 'ECC'; and (b) the offshore array area crossings begin with 'ARR'. <p>2. The second part of the crossing ID relates to the crossing categories:</p> <ul style="list-style-type: none"> (a) Pipeline (PL) – subsea pipelines associated with oil and gas infrastructure; and (b) Utility (UT) – subsea cables associated with oil and gas, interconnector or windfarm infrastructure. <p>3. The third part of the Crossing ID relates to number of the crossing which runs largely in numerical order from '001'. (The exceptions to these being crossing which were identified at a later stage, and therefore follow on from the last used number).</p> <p>See the 'Plan' sheet for plans showing all Crossing Identification Numbers.</p>
Type of Obstacle	<p>Provides a more detailed description of the obstacle. For example:</p> <ul style="list-style-type: none"> (a) Chemical pipeline; (b) Gas pipeline; or (c) Offshore wind export cable.
Obstacle Name	<p>This will give the details of any name already assigned to the feature being crossed, e.g. name/ number of the asset to be crossed.</p>
Project Element	<p>The part of the Hornsea Four project the crossing relates to. For example:</p> <ul style="list-style-type: none"> (a) Export cable corridor; or (b) Array area.
Asset Owner/ Responsible Authority	<p>All known 'Asset owners' are listed here.</p> <p>See the 'Plan' sheet for data layers relating to utilities.</p>
Obstacle Comments	<p>General comments about the obstacle itself, and details about its features.</p>

Offshore Crossing Schedule

X Coordinate	Y Coordinate	Ørsted Crossing Identification No.	Type of Obstacle	Obstacle Name	Asset Owner	Project Element	No. Assets to be crossed	Max No. Crossings	Obstacle Comments
301284.37	5993243.60	ECC_UT_001	Offshore Wind Export Cable	Dogger Bank Cable	SSE Renewables & Equinor	ECC	2	12	Up to two HVDC cable pairs. Unknown distance apart.
326617.24	5994416.94	ECC_PL_002	44 inch Gas Pipeline	Langed Pipeline	Gassco	ECC	1	6	
347696.12	5987435.35	ECC_PL_003	36 inch Gas Pipeline	Cleeton CP to Dimlington	Perenco UK Limited	ECC	1	6	
348523.94	5986778.15	ECC_PL_004	5.75 inch Chemical Pipeline	Cleeton to Minerva Umbilical	Perenco UK Limited	ECC	1	6	
348554.01	5986754.28	ECC_PL_005	16 Inch Condensate Pipeline / 3 Inch Chemical Pipeline	Minerva to Cleeton & Piggy	Perenco UK Limited	ECC	2	6	2 assets immediately adjacent, treated as a single crossing
353135.05	5987079.20	ECC_PL_007	16 inch Gas Pipeline	Neptune to Cleeton	Perenco UK Limited	ECC	1	6	
386193.04	5987728.30	ECC_PL_008	10.25 inch Gas Pipeline / 4 inch Chemical Pipeline	JFE Production	Premier	ECC	2	6	2 assets immediately adjacent, treated as a single crossing
383939.81	5989194.30	ARR_PL_010	10.25 inch Gas Pipeline / 4 inch Chemical Pipeline	JFE Production	Premier	Array Area	2	TBC	
397245.44	5991080.65	ARR_PL_013	34 inch Gas Pipeline	Shearwater to Bacton (SEAL)	Shell	Array Area	1	TBC	
354833.29	5987442.30	ECC_PL_014	12 inch Gas Pipeline	Platypus Pipeline	Dana Petroleum	ECC	1	6	Due for construction in 2022/23.
374797.97	6005751.01	ARR_PL_015	CCUS CO2 Pipeline	Endurance	Northern Endurance Partnership (NEP)	Array Area	TBC	TBC	Not consented. Potential future infrastructure.
322502.43	5994805.61	ECC_PL_016	CCUS CO2 Pipeline / Umbilical	Endurance	Northern Endurance Partnership (NEP)	ECC	TBC	TBC	Not consented. Potential future infrastructure.
381189.75	5998363.19	ARR_PL_017	Gas Pipeline / Chemical Pipeline	Kilmar Export Route	Alpha Petroleum	Array Area	TBC	TBC	Not consented. Potential future infrastructure.

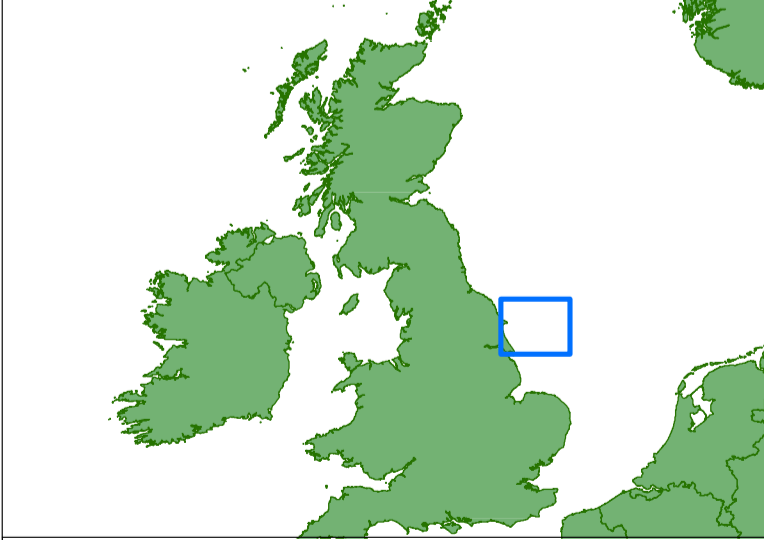
Hornsea Project Four Offshore Wind Farm Offshore Crossing Schedule

APFP Regulations Reference : 52(a) Application Document Number : A4.4.1

- Order Limits
- Indicative Offshore Export Cable
- Endurance CCUS Infrastructure
- Dana Petroleum Platypus Pipeline
- Kilmar to Ravenspurn Proposed Pipeline
- Other O&G Pipeline
- Cable Agreements (Dogger Bank)
- Crossing Point (Offshore)



Sources:
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Coordinate system: ETRS 1989 UTM Zone 31N
 Vertical reference: LAT
 Scale @ A1: 1:180,000

0 2.5 5 10 Kilometers
 0 1 2 4 Nautical Miles

N
GRID
NORTH

REV	Revised	DATE
1	First Issue for PER	25/09/2021
A	Updated following consultation for O&G	28/11/2021
B	Updated Order Limits and additional Offshore	06/05/2021

Offshore Crossing Schedule
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