

Ørsted - East Coast Operational Assets

Notice to Mariners

Period of Notice: May 2023

Version: 2

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1 Introduction

Ørsted is an offshore wind farm owner and operator with ten operational wind farms in UK waters. Of these ten, the following offshore wind farms are located off the East Coast of England:

- Gunfleet Sands
- Westermost Rough
- Race Bank
- Lincs
- Hornsea One
- Hornsea Two

The purpose of this monthly Notice to Mariners (NtM) is to ensure that mariners are aware of any non-routine operations across the East Coast assets that could pose a risk to other sea users. Safety is paramount to Ørsted and this notice should assist in ensuring that both mariners and the Ørsted operational team can operate safely offshore. This NtM will provide:

- A regular, clear and consistent overview of non-routine operations
- Updates relating to lighting and marking
- Key contact details
- Access to detailed site information and figures
- Clarity on when Safety Zones and recommended safe separation distances are in force or requested



This Notice to Mariners will not provide:

- Information relating to routine maintenance carried out by Crew Transfer Vessels (CTV) or Service Operation Vessels (SOV).
- Any information relating to export cables
- Any information relating to offshore wind farms currently in development, construction or not operated by Ørsted

Subsea Cables

Subsea cables are installed across each offshore wind farm and are marked on the KIS ORCA charts referenced in Section 1.2. Please note the following advice from NP 100 The Mariners Handbook “Every care should be taken to avoid anchoring, trawling, fishing, dredging, drilling, or carrying out any other activity in the vicinity of cables which might damage them.” This warning is repeated on all admiralty charts.

Wind Farm Positional Data

KIS ORCA Awareness Charts (including the layout and coordinates) and Fishing Plotter Files of the offshore assets referenced in this NtM can be found via the KIS ORCA website: <https://kis-orca.org/downloads/> Should mariners require further information or any data in a format that can be used in a plotter or other device, please contact the Company Fisheries Liaison Officer, listed in Section 2 below.

2 Key Contacts

For further information on any of the activities listed within this notice, please use the contact details listed below.

| Site | Ørsted Mailbox/ Offshore Coordination | Fisheries Industry Representative |
|------------------|---|--|
| Race Bank | Phone: 07826 943808 Email: rowoffshorec@orsted.com | Ady Woods Phone: 07468 898948 Email: firwoods@hotmail.com |
| Westermost Rough | Phone: 07867 674941 Email: wmroffshorec@orsted.com | Guy Pasco Phone: 07880 362082 Email: guy@seascopefisheries.co.uk |
| Lincs | Phone: 07766443319 Email: lincsoffshorec@orsted.com | Ady Woods Phone: 07468 898948 Email: firwoods@hotmail.com |
| Gunfleet Sands | | Merlin Jackson Phone: 07989 520484 Email: merlinjackson@btinternet.com |
| Hornsea One | Phone: 07775005465 Email: HOWoffshoreC@orsted.com | Nick Garside Phone: 07538 827013 Email: nick.garside@live.co.uk |
| Hornsea Two | Phone: 07775005465 Email: HOW02offshoreC@orsted.com | Nick Garside Phone: 07538 827013 Email: nick.garside@live.co.uk |

Company Fisheries Liaison Officer

The Ørsted Company Fisheries Liaison Officer can be contacted using the details below:

Lee Thompson

Email: LEETH@orsted.com

3 Notice to Mariners Summary:

| Site | Lighting and Marking Status | Survey | Jack-Up Vessel | Other Works |
|------------------|--------------------------------------|--------|----------------|---|
| Race Bank | OK | None | None | Below water inspections*** |
| Westermost Rough | OK | None | None | Blade LEP***, Below water inspections** |
| Lincs | OK | None | Yes | Below water inspections** Oil exchange Generator exchange*** |
| Gunfleet Sands | OK | None | None | WTG inspections. Blade LEP*** |
| Hornsea One | OK | None | None | None |
| Hornsea Two | T29 – Fog signal constantly sounding | None | None | Below water inspections**, TMO Offshore Substation and RCS works. |

- * Formal 500m safety zone in place
- ° Licensable activity
- ** 500m safety distance requested
- *** 100m safety distance requested
- **** 250m safety distance requested

Status of lighting & marking is correct at time of issue; any changes will be communicated through an updated version being issued.

4 Race Bank – Notice to Mariners

4.1 Lighting and Marking Status

The lighting and/ or navigational warning systems are currently operational. No planned outages.

4.2 Other Operations

Nothing planned.

4.2.1 Below water inspections

The vessel Curtis Marshall is undertaking below water inspections at Westermost Rough, Hornsea 2, Racebank and Lincs windfarms. The inspections will be carried out by ROV and diving operations. Mariners are advised that a safe distance of 500m is required whilst divers are in the water. Buoys will be placed in the water to identify whilst diving operations are underway.

The planned dates are shown below, however dates are subject to change –

Hornsea 2 – 3rd April -17th April


Westermost Rough – 17th April to 7th May

Racebank – 7th May to 27th May

Lincs – 27th May to 10th June

Locations

| ROW01 | | |
|--------------|------------------------------|--------------------|
| ID | WGS84 (Deg, decimal Minutes) | |
| | LONGITUDE | LATITUDE |
| A02 | 000° 46.39246873' E | 53° 19.60211918' N |
| A06 | 000° 46.27385363' E | 53° 17.76367980' N |
| B04 | 000° 47.06811240' E | 53° 18.25361035' N |
| B05 | 000° 46.98256021' E | 53° 17.80719695' N |
| B07 | 000° 46.91275421' E | 53° 16.90710905' N |
| C06 | 000° 47.76375163' E | 53° 17.76551653' N |
| D05 | 000° 48.82012878' E | 53° 18.57565677' N |
| D06 | 000° 48.77004175' E | 53° 18.08704817' N |
| E09 | 000° 48.93852646' E | 53° 14.89596701' N |
| F06 | 000° 49.58502941' E | 53° 15.14631826' N |
| G04 | 000° 50.63256729' E | 53° 15.81100077' N |
| G06 | 000° 50.38632136' E | 53° 14.80419226' N |
| J04 | 000° 51.93423211' E | 53° 14.79411505' N |
| K05 | 000° 52.63349150' E | 53° 14.61948155' N |
| L03 | 000° 53.63247634' E | 53° 15.25408489' N |
| M03 | 000° 54.42481079' E | 53° 15.06218910' N |
| N02 | 000° 54.75884544' E | 53° 14.48642004' N |
| P02 | 000° 55.17151347' E | 53° 14.93026804' N |

| General Information | | Vessel Picture |
|------------------------|----------------------------|--|
| Name | Curtis Marshall |  |
| Flag | UK | |
| Year Built | 2015 | |
| MMSI Number | 235107219 | |
| Call Sign | SHWN3 | |
| Vessel Contact Details | | |
| Bridge | | |
| Party Chief | | |
| Email | info@bmarshallmarine.co.uk | |

5 Westermost Rough – Notice to Mariners

5.1 Lighting and Marking Status


The lighting and/ or navigational warning systems are currently operational. No planned outages.


5.2 Other Operations

5.2.1 Blade LEP campaign

In mid-April we are starting an LEP campaign which we anticipate will take between 3-4 months. The SOV CF Explorer and with CTV will support the project. The work scope involves rope access technicians. When the technicians are on the ropes, we will require a 100m exclusion zone.

Vessel Information

| General Information | | Vessel Picture |
|------------------------|---------------------------------|--|
| Name | CF EXPLORER |  |
| Flag | Cyprus | |
| Year Built | 2008 | |
| MMSI Number | 209816000 | |
| Call Sign | 5BKK5 | |
| Vessel Contact Details | | |
| Bridge | +31686489927 | |
| Party Chief | master.cfexplorer@tsmvessel.com | |
| Email | master.cfexplorer@tsmvessel.com | |

| General Information | | Vessel Picture |
|------------------------|--------------------------|---|
| Name | Iceni Warrior |  |
| Flag | UK | |
| Year Built | 2010 | |
| MMSI Number | 235087484 | |
| Call Sign | 2ERD5 | |
| Vessel Contact Details | | |
| Bridge | +44 7809 727 397 | |
| Party Chief | | |
| Email | warrior@turnericensi.com | |

5.2.2 Below water inspections


The vessel Curtis Marshall is undertaking below water inspections at Westermost Rough, Hornsea 2, Racebank and Lincs windfarms. The inspections will be carried out by ROV and diving operations. Mariners are advised that a safe distance of 500m is requested whilst divers are in the water. Buoys will be placed in the water to identify whilst diving operations are underway.

The planned dates are shown below, however dates are subject to change –

- Hornsea 2 – 3rd April -17th April
- Westermost Rough – 17th April to 7th May
- Racebank – 7th May to 27th May
- Lincs – 27th May to 10th June

Locations

| WMR01 | | |
|--------------|------------------------------|--------------------|
| ID | WGS84 (Deg, decimal Minutes) | |
| | LONGITUDE | LATITUDE |
| A03 | 000° 07.37885722' E | 53° 47.04119733' N |
| A04 | 000° 06.85818950' E | 53° 47.47696658' N |
| B04 | 000° 07.70116565' E | 53° 47.83499605' N |
| C01 | 000° 10.06644598' E | 53° 46.92462112' N |
| C02 | 000° 09.57049861' E | 53° 47.34205597' N |
| D07 | 000° 07.90033622' E | 53° 49.78462890' N |
| F07 | 000° 09.60859260' E | 53° 50.49184716' N |

| <i>General Information</i> | | <i>Vessel Picture</i> |
|-------------------------------|-----------------------------------|---|
| Name | <i>Curtis Marshall</i> |  |
| Flag | <i>UK</i> | |
| Year Built | <i>2015</i> | |
| MMSI Number | <i>235107219</i> | |
| Call Sign | <i>SHWN3</i> | |
| <i>Vessel Contact Details</i> | | |
| Bridge | | |
| Party Chief | | |
| Email | <i>info@bmarshallmarine.co.uk</i> | |

6 Lincs – Notice to Mariners

6.1 Lighting and Marking Status

The lighting and/ or navigational warning systems are currently operational. No planned outages.

6.2 Other Operations

6.2.1 Below water inspections

The vessel Curtis Marshall is undertaking below water inspections at Westermost Rough, Hornsea 2, Racebank and Lincs windfarms. The inspections will be carried out by ROV and diving operations. Mariners

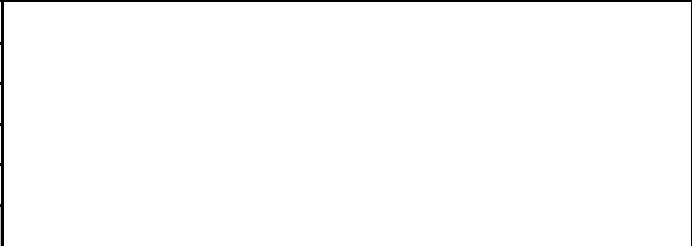
are advised that a safe distance of 500m is required whilst divers are in the water. Buoys will be placed in the water to identify whilst diving operations are underway.

The planned dates are shown below, however dates are subject to change –

Hornsea 2 – 3rd April -17th April
 Westermost Rough – 17th April to 7th May
 Racebank – 7th May to 27th May
 Lincs – 27th May to 10th June

Locations

| LIC01 | | |
|--------------|------------------------------|--------------------|
| ID | WGS84 (Deg, decimal Minutes) | |
| | LONGITUDE | LATITUDE |
| LS49 | 000° 30.19540736' E | 53° 09.12686464' N |
| LS51 | 000° 30.18309978' E | 53° 08.36483805' N |
| LS44 | 000° 30.22573833' E | 53° 11.01627043' N |
| LS45 | 000° 30.21984534' E | 53° 10.63850150' N |
| LS66 | 000° 31.04737522' E | 53° 10.11685148' N |
| LS38 | 000° 29.81422658' E | 53° 13.25407838' N |
| LS53 | 000° 30.14917186' E | 53° 14.51056753' N |
| LS54 | 000° 30.29313320' E | 53° 14.16938999' N |
| LS03 | 000° 27.86626870' E | 53° 13.77233327' N |
| LS18 | 000° 28.84003737' E | 53° 13.51083924' N |
| LS06 | 000° 28.48706290' E | 53° 12.29867449' N |
| LS08 | 000° 28.60398324' E | 53° 11.53237203' N |
| LS20 | 000° 29.14500121' E | 53° 12.78627019' N |
| LS09 | 000° 28.57553167' E | 53° 10.99227302' N |
| LS26 | 000° 29.37666510' E | 53° 10.19241312' N |
| LS27 | 000° 29.36436664' E | 53° 09.81882249' N |
| LS74 | 000° 28.73796525' E | 53° 07.99340828' N |
| LS75 | 000° 28.75361655' E | 53° 07.72614788' N |


| General Information | | Vessel Picture |
|-------------------------------|------------------------|--|
| Name | <i>Curtis Marshall</i> |  |
| Flag | <i>UK</i> | |
| Year Built | <i>2015</i> | |
| MMSI Number | <i>235107219</i> | |
| Call Sign | <i>SHWN3</i> | |
| Vessel Contact Details | | |

| | | |
|--------------------|--|--|
| Bridge | |  |
| Party Chief | | |
| Email | info@bmarshallmarine.co.uk | |

6.2.2 WTG Oil exchange

On the 1st May, the vessel Spectrum 4 will be on site conducting an oil exchange. All 75 locations will be visited with the scope anticipated on taking just over 3 months.

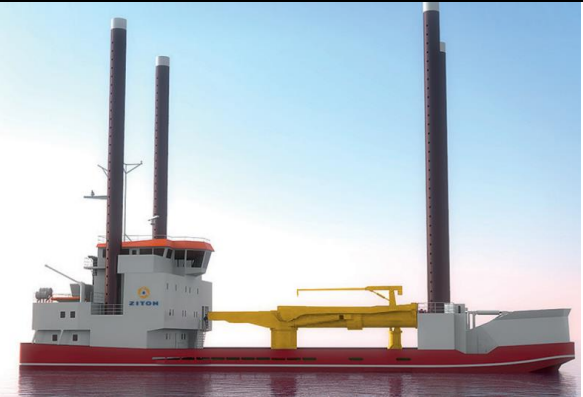
Vessel information

| General Information | | Vessel Picture |
|------------------------|--|---|
| Name | Spectrum 4 |  |
| Flag | UK | |
| Year Built | 2016 | |
| MMSI Number | 235080287 | |
| Call Sign | 2DMP7 | |
| Vessel Contact Details | | |
| Bridge | 07496690608 | |
| Party Chief | | |
| Email | Spectrum4@spectrum-offshore.com | |

6.2.3 Generator exchange

On the 17th April the Jack Up Vessel Wind will be on site to conduct a Generator exchange on LS50, the CTV MMS Superior will also be on site in support of the workscope. Mariners must observe an approved safety zone of 500m whenever Wind is attached to a WTG. A minimum separation distance of 500m is also requested when the vessel is observed manoeuvring into position

Vessel information

| General Information | | Vessel Picture |
|------------------------|----------------------|--|
| Name | Wind |  |
| Flag | Danish | |
| Year Built | 1996 | |
| MMSI | 220520000 | |
| Call Sign | OXSW2 | |
| Vessel Contact Details | | |
| Bridge | +45 20 48 55 86 | |
| Party Chief | | |
| Email | master.wind@ziton.eu | |

7 Gunfleet Sands – Notice to Mariners

7.1 Lighting and Marking Status

The lighting and/ or navigational warning systems are currently operational. No planned outages.

7.2 Other Operations

7.2.1 GFS LEP Campaign


Start date: 14th April 2023

Duration of work scope: 110 days

Description of work: Rope Access Blade Maintenance Blade Repair across all 48 WTGs at Gunfleet Sands

Safety zone required. 100m exclusion zone around the WTG on Gunfleet Offshore windfarm

Vessel Information

| General Information | | Vessel Picture |
|------------------------|-----------------------------------|---|
| Name | NSL DISCOVERY |  |
| Flag | UK | |
| Year Built | 2012 | |
| MMSI | 235096731 | |
| Call Sign | 2GEQ9 | |
| Vessel Contact Details | | |
| Bridge | TBC | |
| Party Chief | TBC | |
| Email | discovery@northsealogistics.co.uk | |

7.2.2 GFS EBI Drone Inspections

Start date: 4th April 2023

Duration of work scope:

Description of work: Drone blade inspections to be carried out from Site and LEP campaign CTVs (Above) across all 48 WTGs at Gunfleet Sands.

Safety zone required. 100m exclusion zone around the WTG on Gunfleet Offshore windfarm

7.3 Cable exposure

There are subsea cables currently exposed as shown on the below chart and coordinates

| WGS84 Degrees, decimal Minutes | | | | | | |
|----------------------------------|--------------|----------|----------------------|---------------------|--------------------|-------------------|
| ID | ArrayCableID | Length_m | StartCoord_Longitude | StartCoord_Latitude | EndCoord_Longitude | EndCoord_Latitude |
| GFS_MBES_TO_01-UnidentifiedOther | F08-F09 | 13.4 | 1° 17.383' E | 51° 44.721' N | 1° 17.396' E | 51° 44.723' N |
| GFS_MBES_TO_02-CableExposure | F08-F09 | 790.93 | 1° 16.787' E | 51° 44.486' N | 1° 17.376' E | 51° 44.718' N |
| GFS_MBES_TO_03-CableExposure | F07-F08 | 533.19 | 1° 16.562' E | 51° 44.401' N | 1° 16.726' E | 51° 44.466' N |
| GFS_MBES_TO_04-CableExposure | F06-F07 | 25.25 | 1° 16.059' E | 51° 44.203' N | 1° 16.075' E | 51° 44.210' N |

8 Hornsea One – Notice to Mariners

8.1 Lighting and Marking Status

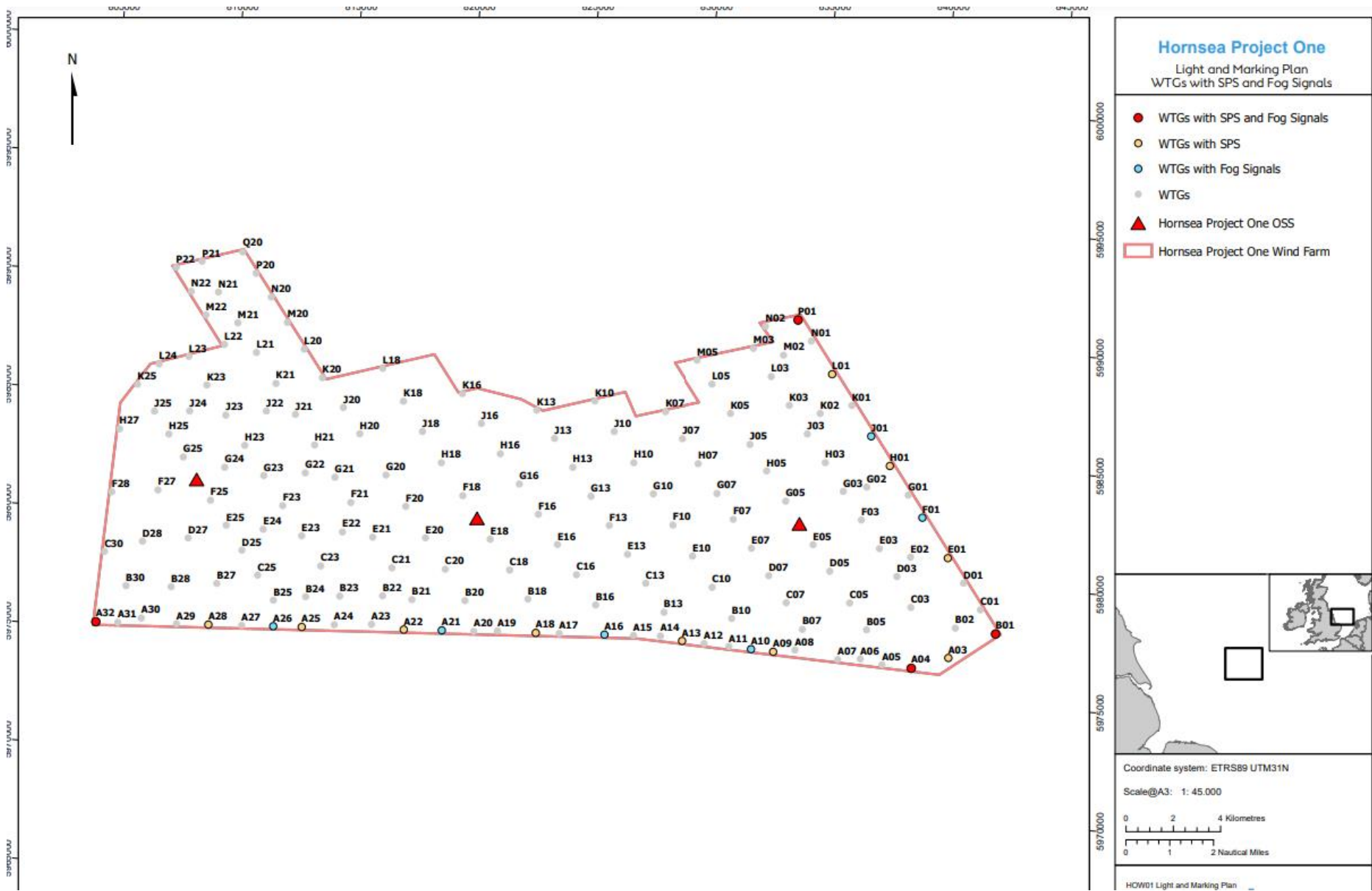
The lighting and/ or navigational warning systems are currently operational. No planned outages

Mariners are advised that the marine navigation lighting and foghorns on turbines situated on the Hornsea Project One / Two adjoining perimeter have now been extinguished. Marine navigation lighting will now alight the combined perimeter of Hornsea Project One and Two.

Please see the table below showing the locations where the foghorns/marine navigation lighting has been discontinued (indicated with an X)

| Turbine | Marine Navigation Lights | Foghorns |
|---------|--------------------------|----------|
| K25 | X | |

| | | |
|------------|---|---|
| Q20 | X | X |
| C30 | X | X |
| H27 | X | X |
| P22 | X | X |
| L20 | | X |
| K16 | | X |
| K10 | | X |
| M05 | | X |




8.2 Other Operations

Nothing planned.

8.2.1 Statutory Inspections Above Water

From the 22nd April the vessel Manor Venture will be on site completing WTG inspections, the scope is anticipated to take approximately 19 days, but the Vessel may remain within the Hornsea One and Hornsea Two windfarms for additional tasks

| General Information | | Vessel Picture |
|-------------------------------|---------------|-----------------------|
| Name | Manor Venture | |
| Flag | UK | |
| Year Built | 2017 | |
| MMSI | 232007444 | |
| Call Sign | MAW16 | |
| Vessel Contact Details | | |
| Bridge | | |
| Party Chief | | |
| Email | | |



9 Hornsea Two – Notice to Mariners

9.1 Lighting and Marking Status

T29 fog signal is constantly sounding, this will be investigated at the earliest opportunity. (Will be inoperable as per dates below).


9.2 Other Operations

9.2.1 TMO Offshore Substation and RCS works

Start date: 6th April 2023 for both SOVs

Duration of work scope: up to 30 days excluding weather days for both SOVs

Description of work: Deep Cygnus to operate at HB-Z11 Offshore Substation at HOW02, transfer teams to and from the Substation.

| General Information | | Vessel Picture |
|------------------------|-------------|--|
| Name | Deep Cygnus |  |
| Flag | Norway | |
| Year Built | 2009 | |
| MMSI | 257205000 | |
| Call Sign | LACV8 | |
| Vessel Contact Details | | |
| Bridge | | |
| Party Chief | | |
| Email | | |

Description of work: Notus to operate at HB-Z01 RCS at HOW02, transfer teams to and from the Substation.

| General Information | | Vessel Picture |
|------------------------|-----------|----------------|
| Name | Notus | |
| Flag | Denmark | |
| Year Built | 1999 | |
| MMSI | 219812000 | |
| Call Sign | OXDR2 | |
| Vessel Contact Details | | |
| Bridge | | |
| Party Chief | | |

Email

9.2.1 Below water inspections

The vessel Curtis Marshall is undertaking below water inspections at Westermost Rough, Hornsea 2, Racebank and Lincs windfarms. The inspections will be carried out by ROV and diving operations. Mariners are advised that a safe distance of 500m is required whilst divers are in the water. Buoys will be placed in the water to identify whilst diving operations are underway.


The planned dates are shown below, however dates are subject to change –

Hornsea 2 – 3rd April -17th April
 Westermost Rough – 17th April to 7th May
 Racebank – 7th May to 27th May
 Lincs – 27th May to 10th June

Locations

| HOW02 | | |
|--------------|------------------------------|-------------------|
| ID | WGS84 (Deg, decimal Minutes) | |
| | LONGITUDE | LATITUDE |
| A35 | 1° 35' 38.774" E | 53° 50' 10.691" N |
| A37 | 1° 32' 51.300" E | 53° 50' 11.208" N |
| A39 | 1° 30' 10.393" E | 53° 50' 11.644" N |
| B34 | 1° 36' 21.475" E | 53° 50' 45.917" N |
| F31 | 1° 36' 23.015" E | 53° 53' 19.654" N |
| F36 | 1° 31' 2.021" E | 53° 53' 5.936" N |
| H31 | 1° 34' 39.604" E | 53° 54' 52.656" N |
| H37 | 1° 28' 6.654" E | 53° 54' 26.729" N |
| L33 | 1° 31' 40.802" E | 53° 56' 8.350" N |
| M24 | 1° 40' 45.114" E | 53° 56' 34.784" N |
| M31 | 1° 31' 54.019" E | 53° 57' 21.279" N |
| N35 | 1° 27' 15.289" E | 53° 57' 42.582" N |
| P13 | 1° 53' 6.341" E | 53° 57' 43.849" N |
| P27 | 1° 35' 11.471" E | 53° 58' 44.648" N |
| Q05 | 2° 0' 9.715" E | 53° 58' 7.107" N |
| Q16 | 1° 49' 32.934" E | 53° 58' 41.824" N |
| R20 | 1° 44' 0.321" E | 53° 59' 10.892" N |
| S03 | 2° 1' 46.296" E | 53° 58' 43.592" N |
| S11 | 1° 53' 39.979" E | 53° 59' 9.818" N |
| S30 | 1° 30' 8.867" E | 54° 0' 1.305" N |
| Z11 | 001.630687°E | 53.939408°N |

| | | |
|-----|--------------|-------------|
| Z01 | 000.932264°E | 53.633372°N |
|-----|--------------|-------------|

| General Information | | Vessel Picture |
|------------------------|----------------------------|--|
| Name | Curtis Marshall |  |
| Flag | UK | |
| Year Built | 2015 | |
| MMSI Number | 235107219 | |
| Call Sign | SHWN3 | |
| Vessel Contact Details | | |
| Bridge | | |
| Party Chief | | |
| Email | info@bmarshallmarine.co.uk | |

9.2.2 Statutory Inspections Above Water

From the 22nd April the vessel Manor Venture will be on site completing WTG inspections, the scope is anticipated to take approximately 19 days, but the Vessel may remain within the Hornsea One and Hornsea Two windfarms for additional tasks

| General Information | | Vessel Picture |
|------------------------|---------------|----------------|
| Name | Manor Venture | |
| Flag | UK | |
| Year Built | 2017 | |
| MMSI | 232007444 | |
| Call Sign | MAW16 | |
| Vessel Contact Details | | |

| | | |
|--------------------|--|--|
| Bridge | |  |
| Party Chief | | |
| Email | | |