

Ørsted - East Coast Operational Assets

Notice to Mariners

Period of Notice: September 2021

Version: Issue 1

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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

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: <http://www.kis-orca.eu/downloads#.XWUTQUxFwJZ>. 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.co.uk	Ady Woods Phone: 07468 898948 Email: firwoods@hotmail.com
Westermost Rough	Phone: 07867 674941 Email: wmroffshorec@orsted.co.uk	Guy Pasco Phone: 07880 362082 Email: guy@seascopefisheries.co.uk
Lincs	Phone: 07766443319 Email: lincsoffshorec@orsted.co.uk	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.co.uk	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:

Courtney French
Email: CONFR@Orsted.co.uk

3 Notice to Mariners Summary:

Site	Lighting and Marking Status	Survey	Jack-Up Vessel	Other Works
Race Bank	OK	None	None	Piggyback campaign, Internal Blade Inspections
Westermost Rough	OK	None	Wind Pioneer °*	Main Gearbox Replacement
Lincs	OK	None	None	Blade repair***, corrosion monitoring system.
Gunfleet Sands	OK	None	Wind Pioneer °*	Corrosion campaign
Hornsea One	H27 Fog Signal	None	None	None

* Formal 500m safety zone in place

° Licensable activity

** 500m safety distance requested

*** 200m 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

4.2.1 Piggyback rectification work

On the 10th June the Eden Rose will be on site to conduct some WTG internal repairs. The scope is expected to last throughout August and into September, it will be across the full wind farm.


Vessel information

General Information		Vessel Picture
Name	Eden Rose	
Flag	UK	
Year Built	2012	
MMSI	235092732	
Call Sign	2FNN5	
Vessel Contact Details		
Bridge	Master (TBC)	
Party Chief	07852 125057	
Email	edenrose@tidal-transit.com	

4.2.2 Internal Blade Inspections

The work scope is to complete internal Blade inspections across all locations on Racebank Wind farm, supported by the Rix Lion. The works will start around 8th July and last approx. 2 months with all works being contain inside the WTG and no requirements for Safety Zones.

Vessel information

General Information		Vessel Picture
Name	Rix Lion	
Flag	UK	
Year Built	2014	
MMSI	235105282	
Call Sign	2HOH3	
Vessel Contact Details		
Bridge	07702 975599	
Party Chief		
Email	rix.lion@rix.co.uk	

5 Westermost Rough – Notice to Mariners


5.1 Lighting and Marking Status

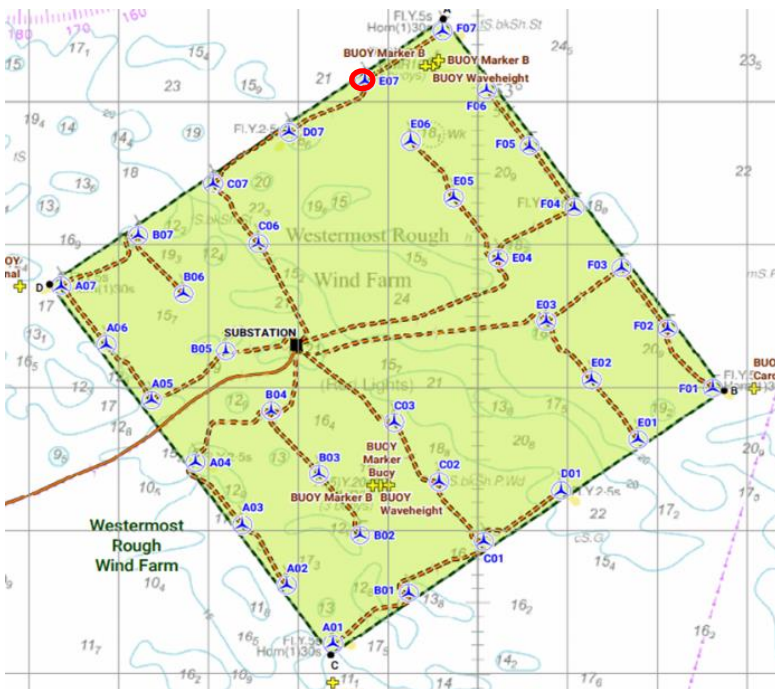
The lighting and/ or navigational warning systems are currently operational. No planned outages.

5.2 Other Operations

5.1.1 Main Bearing Replacement

The work scope is a Main Bearing Replacement on E07 turbine, it is expected to commence on the 23rd September for approximately 6 days.

General Information		Vessel Picture
Name	Wind Pioneer	
Flag	Denmark	
Year Built	2010	
IMO/MMSI	219017684	
Call Sign	OWLA2	
Vessel Contact Details		
Bridge	+45 21 82 21 80	
Party Chief	WIP Master	
Email	master.windpioneer@ziton.eu	



Coordinates

TURBINE ID	WGS84 (Deg, decimal Minutes)	
	LONGITUDE	LATITUDE
E07	000° 08.74459922' E	53° 50.14413601' N

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 Blade repair

During September (exact date is currently TBC), we will be carrying out a blade repair on LS54 shown below. A 200m exclusion zone will be required for the duration of the works. One of the site CTV's will be used for this work.



Coordinates

TURBINE ID	WGS84 (Deg, decimal Minutes)	
	LONGITUDE	LATITUDE
LS54	000° 30.29313320' E	53° 14.16938999' N

6.2.2 Corrosion Monitoring System

We will be installing a corrosion monitoring system on LS39, we expect to start the work on the 2nd September and anticipate it to take 7 days. The CTV will be the MCS Kaver.

Vessel Information

General Information		Vessel Picture
Name	MCS KAVER	
Flag	UK	
Year Built	2013	
MMSI Number	235098572	
Call Sign	2GMB8	
Vessel Contact Details		
Bridge	Mob - 07876 861 746 VSAT - 0044 1475 830641	
Party Chief	StevenJ@maritimecraft.co.uk colinm@maritimecraft.co.uk	
Email	MCSKaver@maritimecraft.co.uk	



Coordinates

TURBINE ID	WGS84 (Deg, decimal Minutes)	
	LONGITUDE	LATITUDE
LS39	000° 29.96857738' E	53° 12.88830837' N

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 Internal corrosion protection

We will conduct a corrosion protection campaign around the 12th July, all locations will be visited, and the campaign is anticipated throughout September.

Vessel Information

General Information		Vessel Picture
Name	CWind Adventure	
Flag	UK	
Year Built	2013	
MMSI Number	235097139	
Call Sign	2GGG9	
Vessel Contact Details		
Bridge	07508452177	
Party Chief		
Email	Adventure@cwind.global	

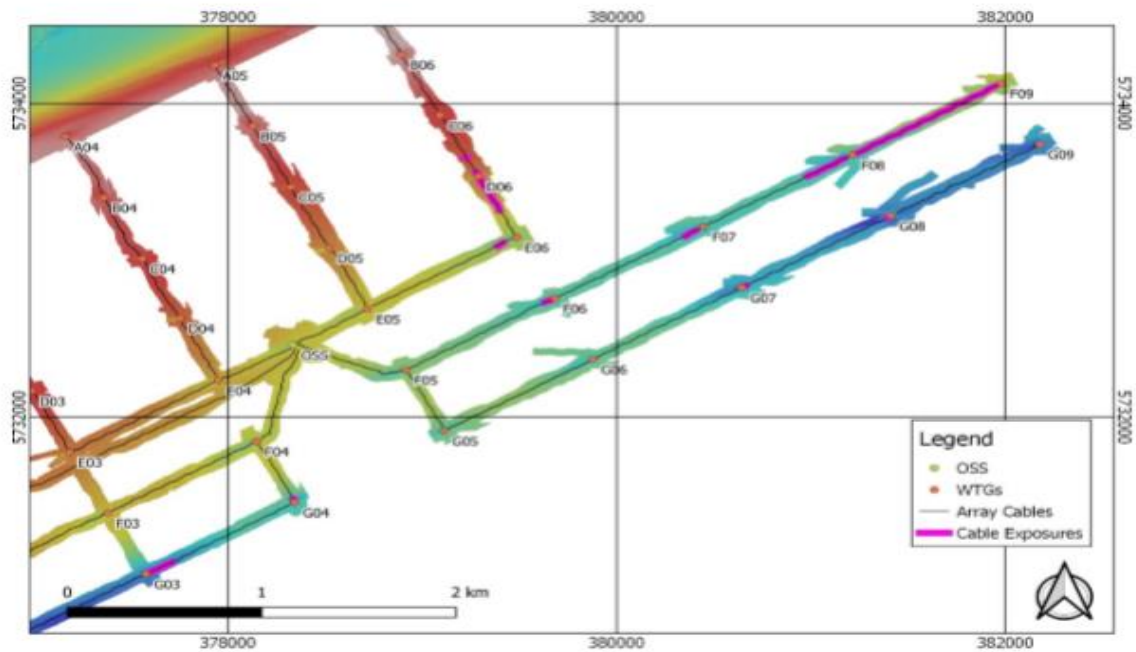
General Information		Vessel Picture
Name	CWind Challenger	
Flag	UK	
Year Built	2013	
MMSI Number	235099967	
Call Sign	2GRU4	
Vessel Contact Details		
Bridge	07944639671	
Party Chief		
Email	challenger@cwind.global	

7.2.2 Cable exposure

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

Array cable	Nearest WTG	Distance from WTG to start exposure [m]	Exposure length [m]	Coordinates start exposure		Coordinates end exposure	
				X	Y	X	Y
F06-F07	F07	53.9	73.9	380400.9	5733188.0	380341.2	5733147.0
F07-F08	F08	52.4	216.1	381166.3	5733649.0	380982.7	5733538.0
F08-F09	F08	28.1	827.9	381238.4	5733685.0	381942.3	5734108.0
G03-G04	G03	19.9	129.8	377595.9	5731011.0	377708.3	5731074.0
G07-G08	G07	15.4	5.8	380657.0	5732835.0	380662.0	5732838.0
G07-G08	G08	6.5	11.0	381404.9	5733280.0	381395.3	5733275.0

Table 5-1; Array cable exposures detected in GFS0102





7.2.3 Main component exchange

Jack up vessel, The Wind Pioneer will be carrying out a main bearing exchange on Gunfleet Sands windfarm on C05 on or around the 1st September. The CTV CRC Sentinel will be supporting this scope.

Mariners must observe an approved exclusion zone of 500m whenever The Wind Pioneer is attached/ anchored next to C05. A minimum separation distance of 500m is also requested when the vessel is observed manoeuvring into position. The duration of the work will be approximately 7 days.

Vessel Information

General Information		Vessel Picture
Name	Wind Pioneer	
Flag	Denmark	
Year Built	2010	
IMO/MMSI	219017684	
Call Sign	OWLA2	
Vessel Contact Details		
Bridge	+45 21 82 21 80	
Party Chief	WIP Master	
Email	master.windpioneer@ziton.eu	

General Information		Vessel Picture
Name	CRC Sentinal	
Flag	UK	
Year Built	2011	
IMO/MMSI	235083968	
Call Sign	2ECN8	
Vessel Contact Details		
Bridge	TBC	
Party Chief	TBC	
Email	TBC	

WTG coordinates

TURBINEID	WGS84 (Deg, decimal Minutes)	
	LONGITUDE	LATITUDE
C05	001° 14.26745163' E	51° 44.33395028' N

8 Hornsea One – Notice to Mariners

8.1 Lighting and Marking Status

H27 Foghorn is active constantly due to a software error, to be rectified as soon as possible.

8.2 Other Operations

There are currently no planned additional operations.