



## NOTICE TO MARINERS - HORNSEA ONE UXO Investigation

Hornsea Project One – Notice to Mariners May 2017. Issued 10/05/2017. Update 1

### 1. INTRODUCTION

Mariners are advised that Hornsea Project One Offshore Wind Farm will be undertaking inspection of potential unexploded ordnance (pUXO). The Project is in the UK Sector of the North Sea off the coast of East Yorkshire as shown on the attached charts. A number of pUXO will need to be investigated. These targets are magnetic anomalies and only a small percentage are expected to be identified as confirmed UXO. If confirmed as UXO these items will be disposed of by means of detonation. The purpose of the Hornsea Project One UXO clearance works is to remove any identified UXO within the Hornsea Project One Order limits, prior to the start of the main Hornsea Project One construction works. Mobilisation for the proposed works are scheduled to start week commencing the 15<sup>th</sup> May 2017. Operations will then commence in the Eastern section of the wind farm site working West and towards shore along the export cable. Operations are likely then to commence from the 18<sup>th</sup> of May 2017 and be ongoing for 12 weeks depending on weather encountered and productivity. It is expected that gear clearance is completed by the **20<sup>th</sup> May 2017**.

### 2. AREA OF OPERATIONS

Activities will occur within the Hornsea Project One wind farm and export cable corridor. A list of coordinates is at the end of this document. Please be advised that a pUXO investigation will be undertaken by the vessel MV Smit Kamara. The vessel will be deployed to the below locations at times and positions determined by client requirements, weather and sea conditions.

### 3. OPERATIONS

#### 3.1 Details

Please be advised that Boskalis are carrying out the operations with the **MV Smit Kamara**. The vessel will be deploying ROV equipment, this will restrict their ability to manoeuvre. It will be requested that all vessels operating within the area keep a safe distance (500m) and pass at minimum speed to reduce vessel wash.

Operations will be conducted on a 24 hour basis. Throughout operations the vessels will be displaying the shapes and lights prescribed in the International Rules for the Prevention of Collisions at Sea (COLREGS) Rule 27. Displaying the prescribed shapes and lights when the vessel is restricted in its ability to manoeuvre.

Prepared	Courtney French (CONFR) 10 May 2017
Accepted	Marc Browne (MBROW) 10 May 2017
Approved	Decland Fives (DECFI) 10 May 2017
Doc. no.	2782588
Case no.	200-12-0456

**3.2 Safety**

Furthermore, it is requested that anybody having knowledge of any potential objects submerged or moored on the seabed, within the survey area, that could be damaged or form a hazard to the vessel and its equipment advises the Projects Fishing Industry Liaison Officer of their position and nature. When operations commence, a listening watch will be maintained on VHF Channel 12 and 16 when within the appropriate port authority area, and will actively transmit an AIS signal. The vessels will also broadcast at regular daily intervals, vessel position, operational information and intentions.

**4. IMMEDIATE CONTACTS**

The contents of this notice are based upon our current understanding of Project One requirements. A further notice will be issued once operations are completed.

Enquiries regarding the contents of this Notice to Mariners or any other matters should be directed to:

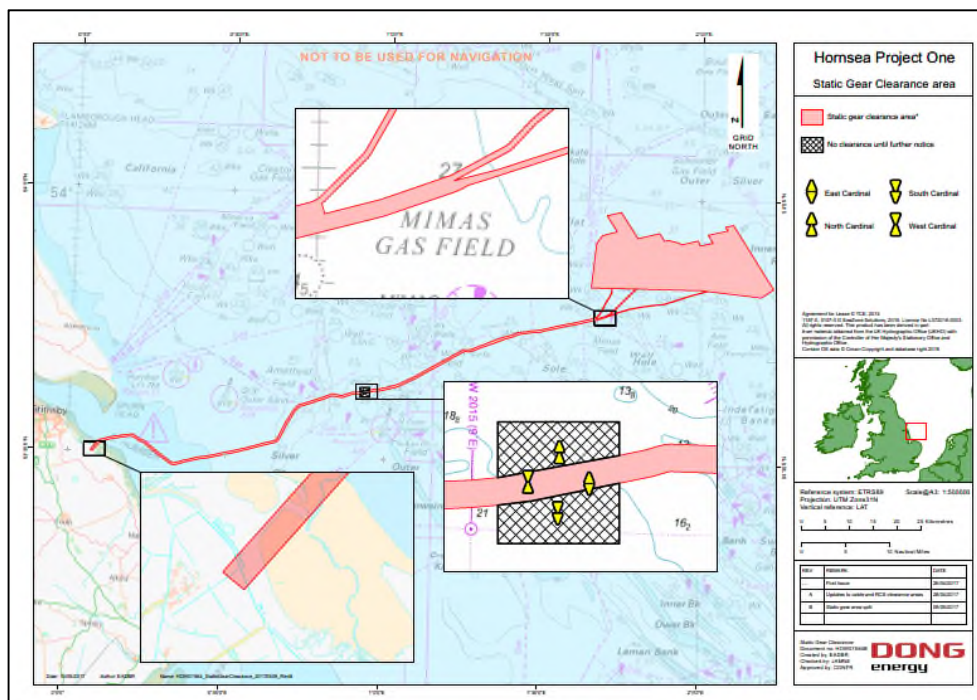
pUXO Investigation – Smit Kamara		
<b>Project Manager</b>	<b>Chris Meijer</b>	
Tel: +49 172 43 16 518	Mob: +49 172 43 16 518	E-mail: <a href="mailto:chris.meijer@boskalis.com">chris.meijer@boskalis.com</a>

**5. FISHERIES LIAISON**

Project One Onshore Fisheries Liaison is provided for by Nick Garside and Brown and May Marine who can be contacted on:

Mob: +44 (0) 7538 827 013      Email: [nick.garside@live.co.uk](mailto:nick.garside@live.co.uk)  
 Mob: +44 (0) 7841 860 752      Email: [jake.laws@brownmay.com](mailto:jake.laws@brownmay.com)

**6. SURVEY AREA**



## 7. VESSELS

Operations will be conducted by the vessel **MV Smit Kamara** whose details are provided below. Contact can be made directly with the vessels using the contact details listed below. Client and contractor contact details are provided in Section 5 of this NTM.

Vessel Contact Details (MV Smit Kamara)	
Bridge	+49 1523 7324 173
Inmarsat Bridge	+881 622 477 974 FB500
V-Sat Bridge	+31 10 8080 924
Party Chief	+49 421 944024 3082
Email	Kamara-Captain@boskalis.com

General Information (MV Smit Kamara)	
Name	MV Smit Kamara
Flag	Belgium
Year Built	2005
IMO Number	9322607
Call Sign	ORLB



Dimensions	
Length	70.9m
Beam	16m
Draught	5.60 m
Gross Tonnage	1930 t

## 8. DISTRIBUTION LIST

This NTM will also be distributed to the relevant local MMO offices, local IFCA's NFFO, Rederscentrale, HFIG, Danish Fishermen's Association, EEFPO and VisNed.

ABP Ports	<a href="mailto:cjefferson@abports.co.uk">cjefferson@abports.co.uk</a> ; <a href="mailto:afirman@abports.co.uk">afirman@abports.co.uk</a> ; <a href="mailto:hesvts@abports.co.uk">hesvts@abports.co.uk</a> ;
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BP	<a href="mailto:Andrew.Steele@uk.bp.com">Andrew.Steele@uk.bp.com</a> ; <a href="mailto:sandra.turin@uk.bp.com">sandra.turin@uk.bp.com</a> ; <a href="mailto:bickft@bp.com">bickft@bp.com</a> ;
CEFAS	<a href="mailto:jon.rees@cefass.co.uk">jon.rees@cefass.co.uk</a> ; <a href="mailto:Keith.Cooper@cefass.co.uk">Keith.Cooper@cefass.co.uk</a> ;
Centrica	<a href="mailto:Jurgen.joosten@centrica.com">Jurgen.joosten@centrica.com</a> ;
Conoco Phillips	<a href="mailto:Karen.Morrison@conocophillips.com">Karen.Morrison@conocophillips.com</a> <a href="mailto:Kingsley.Anunobi@contractor.conocophillips.com">Kingsley.Anunobi@contractor.conocophillips.com</a> <a href="mailto:Susan.Mpaulo@conocophillips.com">Susan.Mpaulo@conocophillips.com</a> ; <a href="mailto:Stuart.C.Brookes@conocophillips.com">Stuart.C.Brookes@conocophillips.com</a> <a href="mailto:Karen.morrison@conocophillips.com">Karen.morrison@conocophillips.com</a> ; <a href="mailto:liam.R.williams@conocophillips.com">liam.R.williams@conocophillips.com</a> ;
The Crown Estate	<a href="mailto:consents@thecrownestate.co.uk">consents@thecrownestate.co.uk</a> ; <a href="mailto:amy.mcging@thecrownestate.co.uk">amy.mcging@thecrownestate.co.uk</a> ; <a href="mailto:Stuart.Curry@thecrownestate.co.uk">Stuart.Curry@thecrownestate.co.uk</a> ;
DECC (now known as Department of Business, Energy and Industrial Strategy)	<a href="mailto:enquires@BEIS.gov.uk">enquires@BEIS.gov.uk</a> ;
DEFRA (Eastern Fisheries Inspectorate Lowestoft)	<a href="mailto:lowestoft@mfa.gsi.gov.uk">lowestoft@mfa.gsi.gov.uk</a> ;
DFDS	<a href="mailto:roy.kersey@dfds.com">roy.kersey@dfds.com</a> ; <a href="mailto:richard.berglarsen@dfds.com">richard.berglarsen@dfds.com</a> ;
Eastern IFCA	<a href="mailto:mail@eastern-ifca.gov.uk">mail@eastern-ifca.gov.uk</a> ;
East Port UK	<a href="mailto:harbouroffice@eastportuk.co.uk">harbouroffice@eastportuk.co.uk</a> ;
East Riding Council	<a href="mailto:david.mccandless@eastriding.gov.uk">david.mccandless@eastriding.gov.uk</a> ;
HM Coastguard	<a href="mailto:zone8@hmcg.gov.uk">zone8@hmcg.gov.uk</a> ; <a href="mailto:zone9@hmcg.gov.uk">zone9@hmcg.gov.uk</a> ;
HOW01 - Fisheries Liaison Officer (Onshore)	<a href="mailto:nick.garside@live.co.uk">nick.garside@live.co.uk</a> ;
HOW02	<a href="mailto:SATHO@dongenergy.co.uk">SATHO@dongenergy.co.uk</a> ;
HOW03	<a href="mailto:JULCA@dongenergy.co.uk">JULCA@dongenergy.co.uk</a> ;
Ineos	<a href="mailto:phillip.jones@ineos.com">phillip.jones@ineos.com</a> ; <a href="mailto:mark.yates@ineos.com">mark.yates@ineos.com</a> ; <a href="mailto:Andrew.Mann@ineos.com">Andrew.Mann@ineos.com</a> ; <a href="mailto:Rachel.o'sullivan@ineos.com">Rachel.o'sullivan@ineos.com</a> ;
Kingfisher Information Services	<a href="mailto:kingfisher@seafish.co.uk">kingfisher@seafish.co.uk</a> ;
Kings Lynn Port Authority	<a href="mailto:harbourmaster@portauthoritykingslynn.fsnet.co.uk">harbourmaster@portauthoritykingslynn.fsnet.co.uk</a> ;
Lowestoft Port Authority	<a href="mailto:GHorton@abports.co.uk">GHorton@abports.co.uk</a> ;
MCA	<a href="mailto:paul.townsend@mcga.gov.uk">paul.townsend@mcga.gov.uk</a> ;
MCA (Navigation Safety)	<a href="mailto:navigationsafety@mcga.gov.uk">navigationsafety@mcga.gov.uk</a> ;
MCA Offshore Renewable Energy Advisor	<a href="mailto:nick.salter@mcga.gov.uk">nick.salter@mcga.gov.uk</a> ;
MCA Yarmouth	<a href="mailto:Wm.yarmouth@mcga.gov.uk">Wm.yarmouth@mcga.gov.uk</a> ;
MCA (Humber Maritime Rescue Sub-Centre)	<a href="mailto:wm.humber@mcga.gov.uk">wm.humber@mcga.gov.uk</a> ;
Marine Management Organisation	<a href="mailto:Lisa.Southwood@marinemanagement.org.uk">Lisa.Southwood@marinemanagement.org.uk</a> ;
Marine Management Organisation	<a href="mailto:marine.consents@marinemanagement.org.uk">marine.consents@marinemanagement.org.uk</a> ;
Marine Management Organisation (Grimsby)	<a href="mailto:grimsby@marinemanagement.org.uk">grimsby@marinemanagement.org.uk</a> ;
Marine Management Organisation (Harwich)	<a href="mailto:harwich@marinemanagement.org.uk">harwich@marinemanagement.org.uk</a> ;
Marine Management Organisation (North Shields)	<a href="mailto:northshields@marinemanagement.org.uk">northshields@marinemanagement.org.uk</a> ;
National Federation of Fishermen's Organisations	<a href="mailto:nffo@nffo.org.uk">nffo@nffo.org.uk</a> ;
National Grid	<a href="mailto:Daniel.James@nationalgrid.com">Daniel.James@nationalgrid.com</a> ;
North Eastern IFCA	<a href="mailto:ne-ifca@eastriding.gov.uk">ne-ifca@eastriding.gov.uk</a> ;
North IFCA	<a href="mailto:nifca@nifca.gov.uk">nifca@nifca.gov.uk</a> ;
Perenco	<a href="mailto:asanders@uk.perenco.com">asanders@uk.perenco.com</a> ;
Port of Boston	<a href="mailto:rwalker@portofboston.co.uk">rwalker@portofboston.co.uk</a> ;
P&O Ferries	<a href="mailto:grant.laversuch@poferries.com">grant.laversuch@poferries.com</a> ;
Premier Oil	<a href="mailto:ramstrong@PREMIER-OIL.com">ramstrong@PREMIER-OIL.com</a> ; <a href="mailto:lwest@PREMIER-OIL.com">lwest@PREMIER-OIL.com</a> ; <a href="mailto:daridgway@PREMIER-OIL.com">daridgway@PREMIER-OIL.com</a> ;
RNLI (Flamborough Lifeboat)	<a href="mailto:flamborough@rnl.org.uk">flamborough@rnl.org.uk</a> ;
RNLI (Skegness Lifeboat Station)	<a href="mailto:Skegness@rnl.org.uk">Skegness@rnl.org.uk</a> ;
RNLI (Scarborough Lifeboat)	<a href="mailto:scarborough@rnl.org.uk">scarborough@rnl.org.uk</a> ;
RNLI (Spurn Head)	<a href="mailto:humber@rnl.org.uk">humber@rnl.org.uk</a> ;
RNLI (Whitby Lifeboat)	<a href="mailto:whitby@rnl.org.uk">whitby@rnl.org.uk</a> ; <a href="mailto:coxswain@wellslifeboat.org">coxswain@wellslifeboat.org</a> ;
Shell	<a href="mailto:UKDCC-Supervisor@shell.com">UKDCC-Supervisor@shell.com</a> ; <a href="mailto:SUKEP-Marine-Services@shell.com">SUKEP-Marine-Services@shell.com</a>

	<a href="mailto:sandy.smith@shell.com">sandy.smith@shell.com</a> ; <a href="mailto:Tony.peetoom@shell.com">Tony.peetoom@shell.com</a> ;
Specialist Marine Services	<a href="mailto:simonp@smchse.com">simonp@smchse.com</a> ;
Trinity House Navigation	<a href="mailto:Navigation.directorate@thls.org">Navigation.directorate@thls.org</a> ;
Tullow Oil	<a href="mailto:ian.manners@tulloil.com">ian.manners@tulloil.com</a> ;
UKHO (HDC Files)	<a href="mailto:hdcfiles@ukho.gov.uk">hdcfiles@ukho.gov.uk</a> ;
UKHO (NTMs)	<a href="mailto:noticetomariners@ukho.gov.uk">noticetomariners@ukho.gov.uk</a> ; <a href="mailto:offshore.energy@ukho.gov.uk">offshore.energy@ukho.gov.uk</a> ; <a href="mailto:Ray.Paice@UKHO.gov.uk">Ray.Paice@UKHO.gov.uk</a> ;
UKHO (Navigational Warnings)	<a href="mailto:Navwarnings@btconnect.com">Navwarnings@btconnect.com</a> ;
Wells Harbour	<a href="mailto:harbouroffice@wellsharbour.co.uk">harbouroffice@wellsharbour.co.uk</a> ;

## 9. Coordinate List

Point ID	WGS84 (Degrees, Minutes, Seconds)	
	Latitude	Longitude
1	53° 40' 56.792" N	1° 11' 7.905" E
2	53° 38' 21.938" N	1° 3' 26.665" E
3	53° 38' 1.235" N	1° 2' 6.373" E
4	53° 37' 34.835" N	0° 58' 52.252" E
5	53° 37' 14.692" N	0° 55' 51.858" E
6	53° 37' 7.129" N	0° 53' 45.719" E
7	53° 36' 44.073" N	0° 51' 55.418" E
8	53° 36' 52.688" N	0° 50' 3.026" E
9	53° 36' 6.732" N	0° 46' 46.457" E
10	53° 35' 34.219" N	0° 44' 3.784" E
11	53° 35' 16.360" N	0° 43' 31.931" E
12	53° 31' 42.797" N	0° 40' 7.768" E
13	53° 31' 23.321" N	0° 39' 27.382" E
14	53° 31' 12.366" N	0° 38' 13.714" E
15	53° 30' 16.282" N	0° 32' 48.019" E
16	53° 29' 19.725" N	0° 26' 9.307" E
17	53° 29' 16.107" N	0° 25' 15.726" E
18	53° 28' 29.614" N	0° 20' 30.621" E
19	53° 28' 30.170" N	0° 19' 53.045" E
20	53° 28' 35.199" N	0° 19' 25.709" E
21	53° 29' 51.535" N	0° 16' 15.923" E
22	53° 30' 53.970" N	0° 14' 10.491" E
23	53° 31' 1.793" N	0° 13' 25.842" E
24	53° 31' 31.481" N	0° 12' 2.392" E
25	53° 30' 50.248" N	0° 6' 20.928" E
26	53° 29' 37.806" N	0° 4' 34.034" E
27	53° 30' 0.242" N	0° 3' 48.496" E
28	53° 30' 6.983" N	0° 4' 0.395" E
29	53° 31' 26.963" N	0° 5' 43.093" E
30	53° 31' 44.124" N	0° 7' 6.000" E
31	53° 32' 8.371" N	0° 10' 46.188" E
32	53° 32' 15.578" N	0° 12' 10.640" E
33	53° 32' 0.411" N	0° 13' 3.848" E
34	53° 31' 38.967" N	0° 13' 55.193" E
35	53° 31' 30.774" N	0° 14' 38.671" E
36	53° 30' 17.118" N	0° 17' 19.653" E
37	53° 29' 10.047" N	0° 20' 3.860" E
38	53° 29' 39.700" N	0° 23' 1.958" E
39	53° 29' 53.207" N	0° 24' 42.288" E

Point ID	WGS84 (Degrees, Minutes, Seconds)	
	Latitude	Longitude
40	53° 31' 46.431" N	0° 37' 16.136" E
41	53° 32' 1.386" N	0° 38' 58.151" E
42	53° 32' 58.843" N	0° 39' 58.241" E
43	53° 33' 28.197" N	0° 40' 21.094" E
44	53° 35' 34.273" N	0° 42' 25.015" E
45	53° 36' 10.647" N	0° 43' 29.399" E
46	53° 37' 15.712" N	0° 48' 36.700" E
47	53° 37' 31.442" N	0° 49' 41.134" E
48	53° 37' 32.566" N	0° 50' 18.691" E
49	53° 37' 24.367" N	0° 51' 45.113" E
50	53° 37' 46.574" N	0° 53' 32.153" E
51	53° 38' 3.365" N	0° 56' 14.732" E
52	53° 38' 14.315" N	0° 57' 48.476" E
53	53° 38' 49.460" N	1° 2' 16.244" E
54	53° 40' 0.591" N	1° 6' 5.328" E
55	53° 42' 42.530" N	1° 13' 47.225" E
56	53° 42' 57.422" N	1° 14' 27.255" E
57	53° 43' 0.952" N	1° 15' 12.328" E
58	53° 43' 1.147" N	1° 15' 55.207" E
59	53° 43' 34.915" N	1° 18' 14.853" E
60	53° 44' 28.256" N	1° 21' 46.923" E
61	53° 44' 36.341" N	1° 22' 38.645" E
62	53° 44' 46.360" N	1° 23' 44.211" E
63	53° 45' 4.541" N	1° 24' 49.787" E
64	53° 45' 10.561" N	1° 25' 50.665" E
65	53° 45' 28.217" N	1° 29' 16.367" E
66	53° 45' 56.661" N	1° 32' 34.842" E
67	53° 46' 54.551" N	1° 39' 44.613" E
68	53° 47' 19.442" N	1° 40' 22.569" E
69	53° 49' 30.596" N	1° 42' 21.446" E
70	53° 49' 31.121" N	1° 42' 21.934" E
71	53° 49' 31.269" N	1° 42' 22.086" E
72	53° 49' 46.730" N	1° 41' 38.917" E
73	53° 49' 47.458" N	1° 38' 32.309" E
74	53° 50' 26.273" N	1° 38' 31.054" E
75	53° 52' 2.703" N	1° 38' 47.959" E
76	53° 54' 51.023" N	1° 39' 17.516" E
77	53° 55' 52.610" N	1° 39' 57.241" E
78	53° 56' 21.030" N	1° 40' 46.492" E



Point ID	WGS84 (Degrees, Minutes, Seconds)	
	Latitude	Longitude
79	53° 56' 50.396" N	1° 42' 34.027" E
80	53° 57' 54.931" N	1° 41' 23.116" E
81	53° 58' 33.746" N	1° 41' 21.898" E
82	53° 58' 56.452" N	1° 43' 55.770" E
83	53° 58' 57.141" N	1° 45' 1.628" E
84	53° 56' 6.618" N	1° 48' 11.597" E
85	53° 56' 20.266" N	1° 49' 25.370" E
86	53° 56' 20.906" N	1° 50' 31.162" E
87	53° 55' 40.098" N	1° 57' 38.585" E
88	53° 55' 40.662" N	1° 58' 44.362" E
89	53° 55' 26.809" N	2° 0' 22.684" E
90	53° 56' 37.966" N	2° 1' 34.006" E
91	53° 57' 25.556" N	2° 4' 11.738" E
92	53° 57' 34.823" N	2° 5' 27.311" E
93	53° 57' 35.316" N	2° 6' 33.141" E
94	53° 56' 21.690" N	2° 7' 53.779" E
95	53° 50' 28.429" N	2° 14' 19.349" E
96	53° 49' 49.606" N	2° 14' 20.053" E
97	53° 49' 16.076" N	2° 12' 31.416" E
98	53° 49' 1.355" N	2° 11' 5.876" E
99	53° 49' 0.904" N	2° 10' 0.268" E
100	53° 49' 34.388" N	2° 1' 9.544" E
101	53° 49' 26.481" N	2° 0' 27.226" E
102	53° 49' 24.574" N	2° 0' 17.026" E
103	53° 48' 4.351" N	1° 53' 9.252" E
104	53° 48' 4.138" N	1° 53' 6.883" E
105	53° 47' 58.590" N	1° 51' 40.064" E
106	53° 47' 45.974" N	1° 49' 17.873" E
107	53° 47' 27.314" N	1° 46' 31.704" E
108	53° 46' 57.767" N	1° 44' 4.401" E
109	53° 46' 16.736" N	1° 40' 41.163" E
110	53° 45' 58.076" N	1° 38' 27.283" E
111	53° 45' 57.576" N	1° 38' 26.179" E
112	53° 44' 41.290" N	1° 29' 18.845" E
113	53° 44' 6.187" N	1° 24' 26.223" E
114	53° 42' 48.824" N	1° 18' 19.283" E
115	53° 42' 19.053" N	1° 16' 10.784" E
116	53° 42' 18.160" N	1° 14' 47.379" E
117	53° 40' 56.792" N	1° 11' 7.905" E