

Notice to Mariners No 17 / 2017

Blyth Offshore Demonstrator Project-

13th July 2017

BOD-101-04-SMC-NTM-00035-A-01

1) Construction Update

Please be advised of the following activities proposed to be undertaken at the Blyth Offshore Demonstrator (BOD) Project in the immediate future.

Please note - All mariners are requested to maintain a minimum 500m safety zone around each turbine location indicated in Chart 1 and Table 1.

Chart 1 - Array 2 Site and Turbine Locations

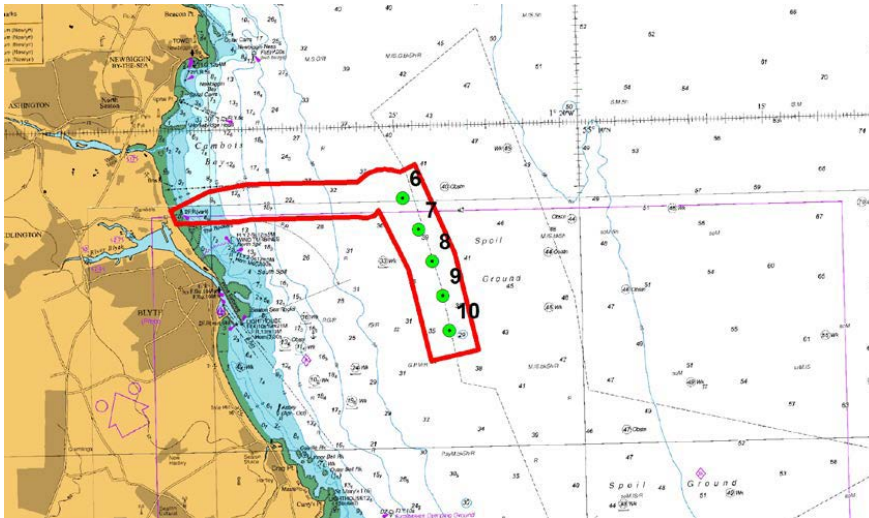


Table 1 - Turbine Placement Locations

Location	Position	
GBF Location 6	N55°08.8702'	W001°24.7913'
GBF Location 7	N55°08.3793'	W001°24.3781'
GBF Location 8	N55°07.8805'	W001°24.0344'
GBF Location 9	N55°07.3406'	W001°23.7706'
GBF Location 10	N55°06.7974'	W001°23.6067'

Activity 1: Anchor Pre-installation works

Please be advised that the *Multrasalvor 3* and *En Avant 20* will be carrying out anchor pre-installation works on the BOD Project Array 2 site.

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Anchor installation works will be undertaken around and within the Array site as marked with cardinal buoys.

The vessels request a 500m safety zone and can be contacted on VHF 16 when on location.

Anchors will be indicated with buoys while present on the seabed within the Array 2 site for which a 500m safety zone is requested around each turbine position.

The **indicative installation programme** of anchors at locations 6 and 7 is indicated in Table 2 below. Details of the installations at locations 8, 9 and 10 will follow in subsequent bulletins.

Table 2: Anchor Placement Indicative Timetable

Installation	Location within Array
Ongoing	Location 6
17-07-17	Location 7

Vessel Details

The vessels will operate from Port of Blyth and will use the shortest route to the Array 2 site.

Vessel name	En Avant 20, Harbour and Seagoing Tug
IMO No.	9408645
Call sign	PCUZ
Vessel Master	H. de Gier / M. van Honk

Vessel name	Multrasalvor 3, Multi-Cat
IMO No.	9635975
Call sign	PCID
Vessel Master	W. Steyaert / R. de Muynck

Activity 2: Transportations of Gravity Based Foundations

Transportation of Gravity Based Foundations will take place between Port of Tyne and Array 2 Site (Chart 2). Gravity Based Foundations will be towed by seagoing tugs and are accompanied by additional vessels.

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North of the Port of Tyne approach the Tow will hold station and change its towing arrangement before commencing transit to the Array 2 site. **A safety zone of 500m is requested around the tow at all times.** The Tow Master can be contacted on VHF 16.

The tow will operate primary from Port of Tyne and follow the shortest route to site. Table 3 provides the **current indicative timetable** for the towing arrangements for each location.

Table 3: Indicative schedule for Gravity Based Foundation Towing

Start	Tow Route
16-07-17	Port of Tyne > GBF Location 6
19-07-17	Port of Tyne > GBF Location 7
30-07-17	Port of Tyne > GBF Location 8
06-08-17	Port of Tyne > GBF Location 9
03-08-17	Port of Tyne > GBF Location 10

Activity 3: Installation of Gravity Based Foundations

Following pre-mentioned transport of Gravity Based Foundations and anchor pre-installation operations installation operations are scheduled for the Gravity Based Foundations within the Array 2 Site as marked with cardinal buoys as detailed below.

The Tow will be connected to Pre-Installed anchors and hold station whilst lowering the Gravity Based Foundations on a prepared foundation bed. **A safety zone of 500m is requested around the Installation arrangement at all times**, Operations can be contacted on VHF 16 whilst on Site.

Regular Crew Transfer Operations will take place between Array 2 Site and Port of Blyth during the Installation operations. Vessels will follow the shortest route to Site.

Operations at each location are expected to be completed within 2 days followed by ballasting works within Array 2 Site.

Activity 4: Ballasting of Gravity Based Foundations

After installation of the Gravity Based Foundations at each location within the Array 2 site, sand ballasting operations will commence.

The ballasting will be performed from a sand barge which is anchored in the vicinity of each of the five locations within the Array. The barge will be mobilised from Port of Blyth and towed to site by seagoing tugs accompanied by additional vessels.

A safety zone of 500m is requested around the barge at all times. Operations can be contacted on VHF 16 whilst on Site

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Regular Crew Transfer Operations will take place between the Array 2 Site and Port of Blyth during the installation operations.

Ballasting operations are expected to be completed within 5 days (for each location) followed by Demobilisation works within Array 2 Site.

Transit routes

Chart 2 details the proposed transit routes for vessels conducting the towing, installation, ballasting and crew transfer operations from Port of Tyne and Port of Blyth. There are currently two transit options being considered from the Port of Tyne to the offshore site; one utilises the shortest navigable route and the other is a route that can be used to minimise conflicts with the main areas of inshore fishing activity. The second option is likely to be used for GBF transportation.

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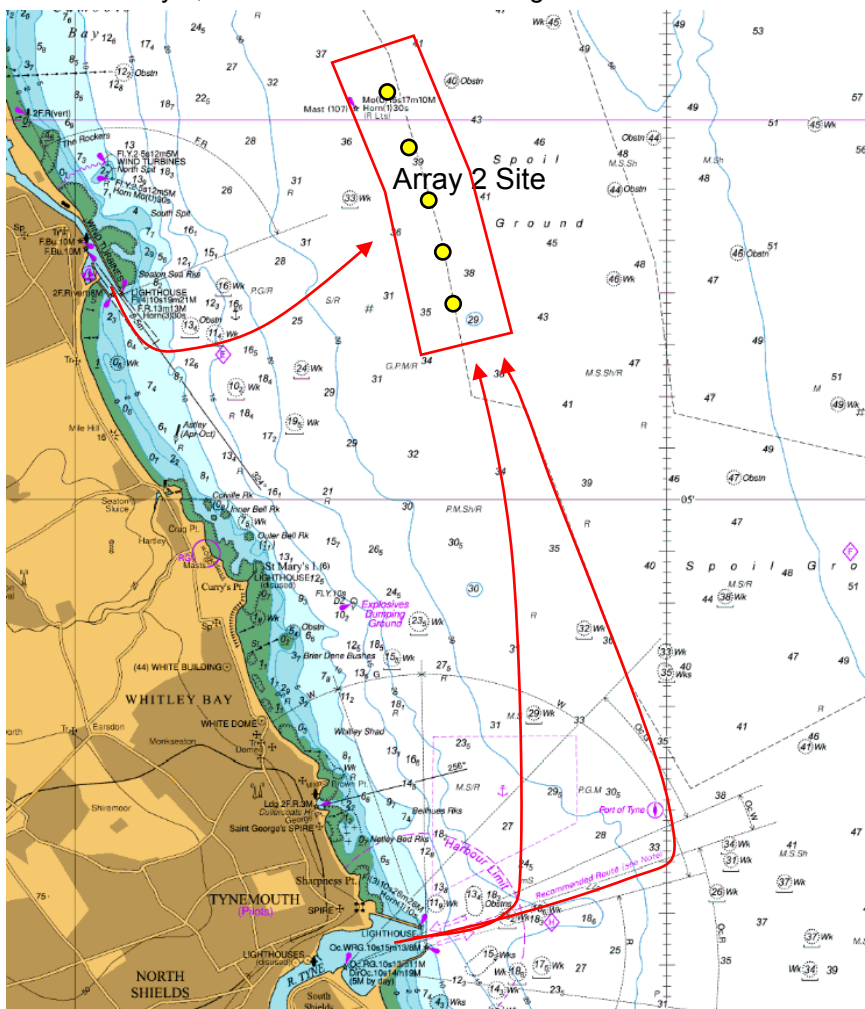
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Chart 2 - Array 2, with indication of main navigation routes to site.



Vessel Details

Vessel name	En Avant 1, Harbour and Seagoing Tug
IMO No.	9408645
Call sign	PHDP
Vessel Master	R. van Gorp / M. Boomstra

Vessel name	En Avant 10, Harbour and Seagoing Tug
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IMO No.	9264386
Call sign	PCPP
Vessel Master	N. Sandifort / A. Krug

Vessel name	En Avant 20, Harbour and Seagoing Tug
IMO No.	9408645
Call sign	PCUZ
Vessel Master	H. de Gier / M. van Honk

Vessel name	Marilyn M, Multi-Cat
IMO No.	9731523
Call sign	PCFM
Vessel Master	J. Muller / G. Zwart

Vessel name	Multrasalvor 3, Multi-Cat
IMO No.	9635975
Call sign	PCID
Vessel Master	W. Steyaert / R. de Mynck

Vessel name	ICENI Courage, Crew Transfer Vessel
Reg. No.	917416
Call sign	2EIU7
Vessel Master	P. Hanscombe

Vessel name	ICENI Spirit, Crew Transfer Vessel
Reg. No.	916699
Call sign	2DCF8
Vessel Master	N. Brodigan / D. Carson

Fisheries Liaison Contact

Specialist Marine Consultants is the appointed Fisheries Liaison Coordinator and can be contacted as follows:

Simon Prince – Fisheries Liaison Co-ordinator
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Further updates will be provided as required.

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