



Notice to Mariners No 14 / 2017

Blyth Offshore Demonstrator Project-

9th June 2017

BOD-101-04-SMC-NTM-00032-A-01

1) Construction Update

The geophysical survey on site has been completed and the vessel has left the location.

Preparations are now being made for the installation of the Gravity Based Foundations.

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

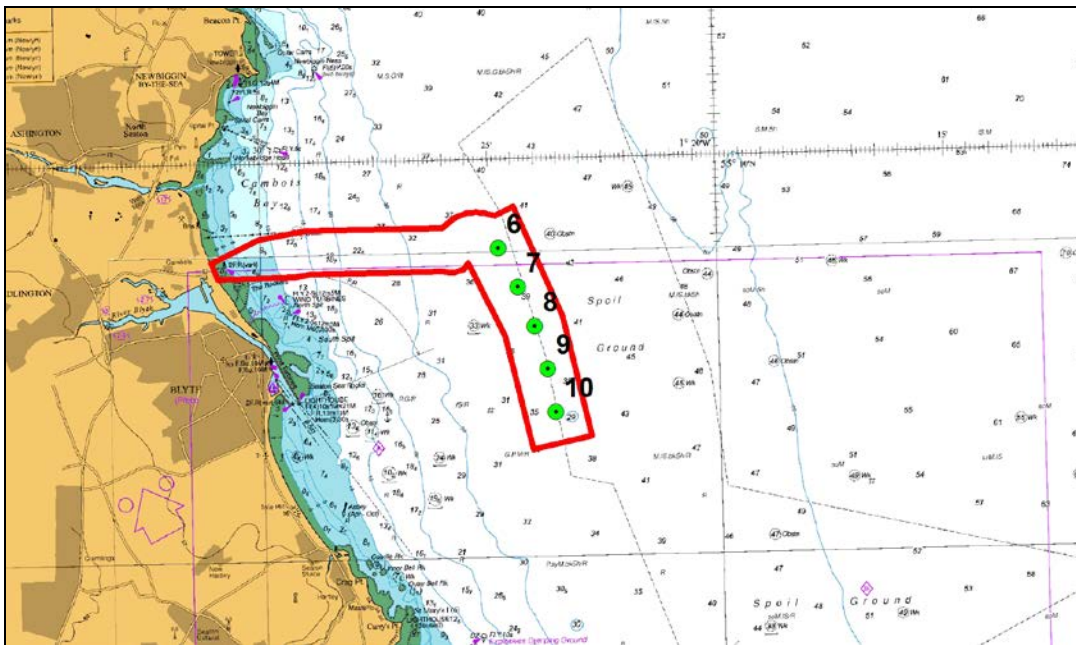


Table 1: Turbine Placement Locations

Turbine 6	55°08.8702'	001°24.7913'
Turbine 7	55°08.3793'	001°24.3781'
Turbine 8	55°07.8805'	001°24.0344'
Turbine 9	55°07.3406'	001°23.7706'
Turbine 10	55°06.7974'	001°23.6067'

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2) Anchor Pre-Installation Works

Please be advised that on or about 20th of June 2017 the *Multirasalvor 3* and *En Avant 20* will be carrying out anchor pre-installation works on the Blyth Offshore Demonstrator Project Array 2 site. Expected duration of the works is 2 days.

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 placements will commence at Turbine 6 on or around 20th of June 2017 onwards.

The indicative installation programme of anchors at each location and their subsequent removal is indicated in Table 2 below:

Table 2: Anchor Placement and Removal Indicative Timetable

Installation	Removal	Location Within Array
21-6-17	31-06-17	Location 6
23-6-17	5-7-17	Location 8
1-7-17	9-7-17	Location 10
5-7-17	13-7-17	Location 9
10-7-17	19-7-17	Location 7

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

2.1 Vessel Details

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

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

3) Transportation of Gravity Based Foundations

Transportation of Gravity Based Foundations will take place between Port of Tyne and Array 2 Site (Chart 1). Gravity Based Foundations will be towed by seagoing tugs and are accompanied by additional vessels.

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 from the Port of Tyne and follow the shortest route to site. Table 3 provides the indicative timetable for the towing arrangements for each location.

Table 3 : Indicative Schedule for Gravity Based Foundation Towing

Start	Tow Route
28-6-17	Port of Tyne > Location 6
2-7-17	Port of Tyne > Location 8
7-7-17	Port of Tyne > Location 10
11-7-17	Port of Tyne > Location 9
14-7-17	Port of Tyne > Location 7

4) Installation of Gravity Based Foundations

Following the anchor pre-installation operations and transport of Gravity Based Foundations installation operations are scheduled for the Gravity Based Foundations within the Array 2 Site (Chart 1).

The tow will be connected to pre-installed anchors and hold station whilst lowering the Gravity Based Foundations on to the prepared foundation beds. **A minimum safety zone of 500m is requested around the installation arrangement 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. 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.

5) 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

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.

6) 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.

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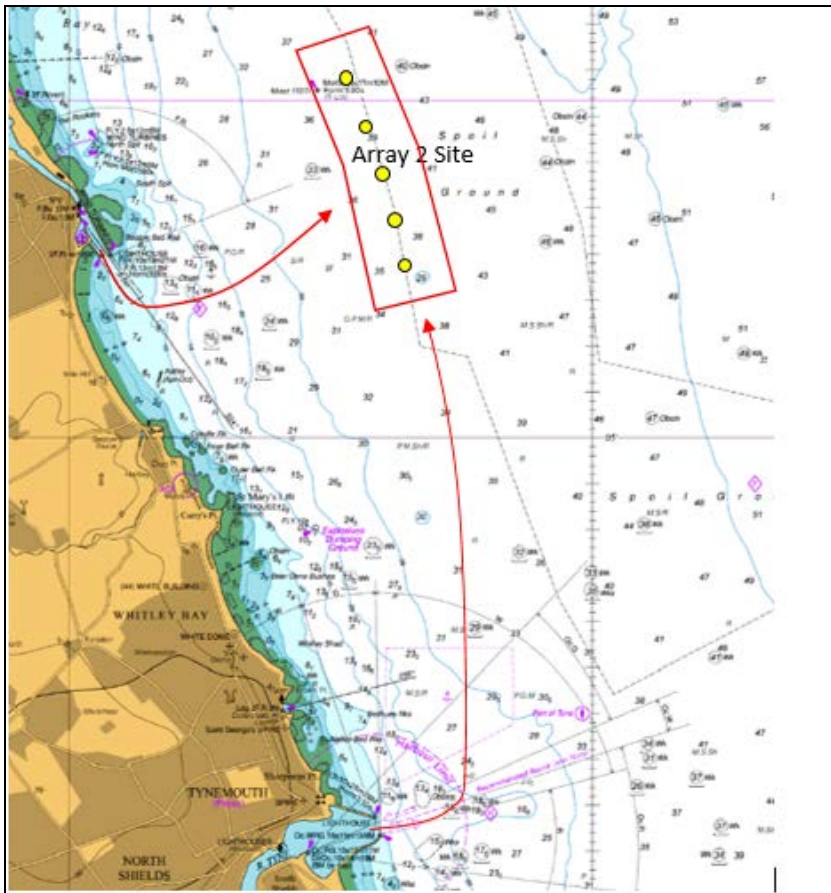
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Chart 2: Transit Routes



7) Vessel Details

The vessels involved in the transportation, towing, installation, ballasting and crew transfer operations are as follows:

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

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Vessel name	En Avant 10, Harbour and Seagoing Tug
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 Muynck

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

8) Fisheries Liaison Contact

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

Simon Prince – Fisheries Liaison Co-ordinator
Specialist Marine Consultants Ltd
+44 (0) 7920 273866
Email: simonp@smchse.com

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Further updates will be provided as required.