

Notice to Mariners

Beatrice Offshore Windfarm Limited (BOWL) - Notice to Mariners March 2017.

Boulder removal and SCAR plough campaign to prepare foundation locations and cable routes in the Beatrice Offshore Windfarm construction site.

Date of Notice	3 rd March 2017

Please promulgate the following as a notice to mariners:

Boulder removal and SCAR plough campaign

In preparation for the installation of wind turbine foundations and inter-array cables in the Beatrice Offshore Windfarm construction site, it is a requirement that the cable runs and foundation location be free from boulders and other debris. In this respect the work listed here is due to be carried out as described below.

On behalf of BOWL, Seaway Heavy Lifting will deploy two vessels, to carry out the aforementioned work during the period 08/03/2017 - 20/03/2017, within the boundary of the BOWL construction site, along approximately 15% of the array cable routes and at various foundation locations.

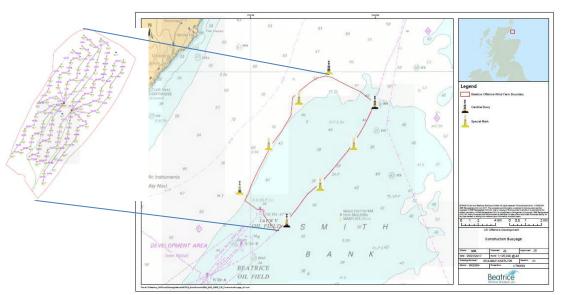


Fig 1 BOWL construction site with detail showing array cable routes and foundations

The vessel conducting the SCAR Plough operation is the Siem Ruby

SIEM RUBY	
General Description and	Anchor Handling Tug for Boulder Clearance DP2
Dimensions:	LOA 91m Beam 22m Draft 7.9m
Call Sign:	2EZQ4
MMSI:	235089425
On Board Contact:	TBC
Offshore Manager / Party Chief:	TBC
E-mail:	siemoffshore@siemoffshore.com
Onshore Representative:	Steve Bell – sbell@shl.nl

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The Siem Ruby will deploy and tow an Ecosse Subsea Systems 15m SCAR Plough. The plough will be deployed over the stern roller and the tow will extend approximately 100m astern of the vessel. Around 15% of the overall array cable routes will be prepared using this system.





Fig 2 Ecosse Subsea Systems 15m SCAR Plough

The vessel conducting the boulder removal operation is the Siem N-Sea

SIEM N-Sea	
General Description and	Boulder Removal Vessel - Cable Route DP2
Dimensions:	LOA 94m Beam 20m Draft 7.9m
Call Sign:	C6YG5
MMSI:	3110311800
On Board Contact:	TBC
Offshore Manager / Party Chief:	TBC
E-mail:	siemoffshore@siemoffshore.com
Onshore Representative:	Steve Bell – sbell@shl.nl





The Siem N-Sea will deploy a UTROV (Utility ROV) grabber system to pinpoint and remove individual boulders from foundation locations. The UTROV is a remotely operated system with lights and a suite of survey equipment mounted over a grabber tool. The Siem N-Sea will operate in DP at various foundation locations.



Fig 3 UTROV Grabber system for boulder removal

The Siem Ruby and Siem N-Sea will exhibit appropriate lights and shapes prescribed by the International Regulations for Preventing Collisions at Sea; relative to the operation. They will also transmit an AIS message.

MARINERS ARE ADVISED to navigate with caution and keep continuous watch on VHF Ch. 70/16 when navigating the area.

Fisheries liaison associated with the activity will be co-ordinated by Brown and May Marine. For any commercial fishery queries please contact: Alex Winrow-Giffin, telephone: +44 (0)1379 872145 and mobile: +44 (0)7702 710178

Any questions regarding this Notice to Mariners should be directed to Beatrice Offshore Wind Farm Marine Coordination office.

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Notice issued by:

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