

Notice to Activities Associated with the Development of Beatrice Offshore Wind Farm

Date of Issue	13.02.2018	Notice Number	LF000005-NTM-037
---------------	------------	---------------	------------------

Please promulgate the following as a Notice to Mariners:

Portgordon Near Shore Diving Works

Work Planned for the Period of 13th – 19th February 2018.

1. Contact Details for Marine Coordination

The following contact can provide more information if required. Please note that specific queries can also be addressed to the relevant vessel or shore based representative.

BOWL Marine Coordinator
 Beatrice Offshore Windfarm Limited
 Unit 1
 Harbour Office
 Wick
 Caithness
 KW1 5HA
 email: mc.bowl@sse.com
 phone: +44 (0) 3302 020329
 web site: www.sse.com/beatrice

2. Area of Planned Activity

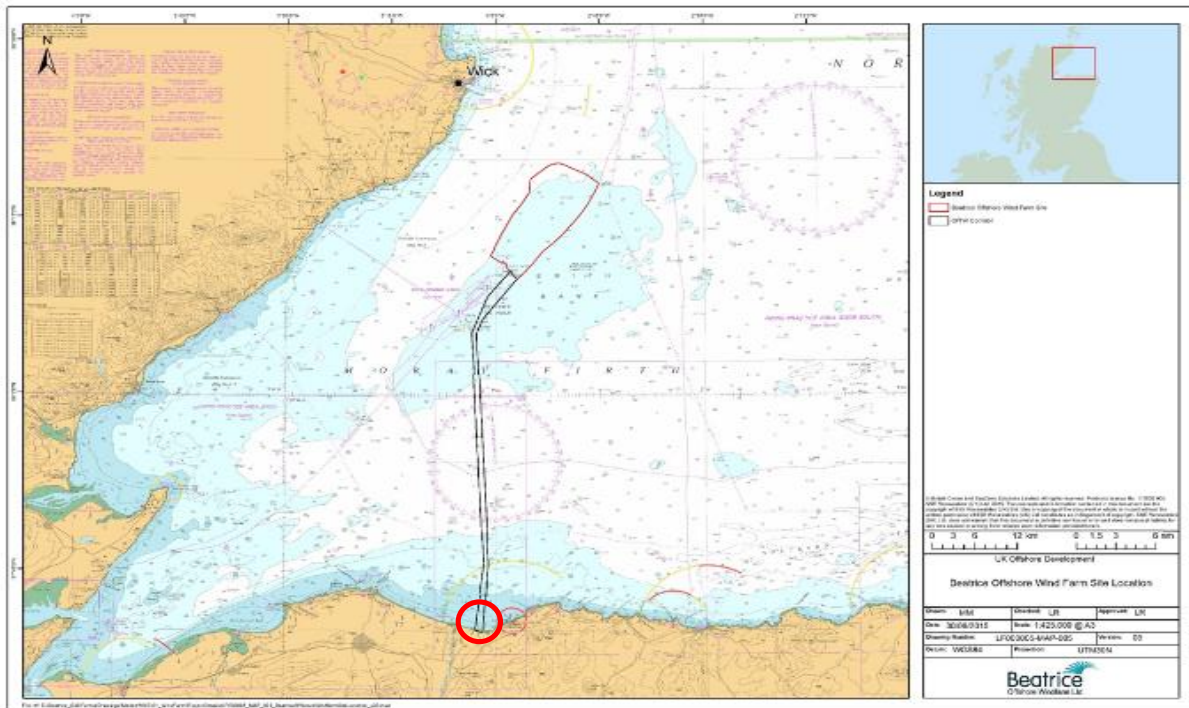


Fig 1. BOWL Export Cable Routes, showing dive area near Portgordon

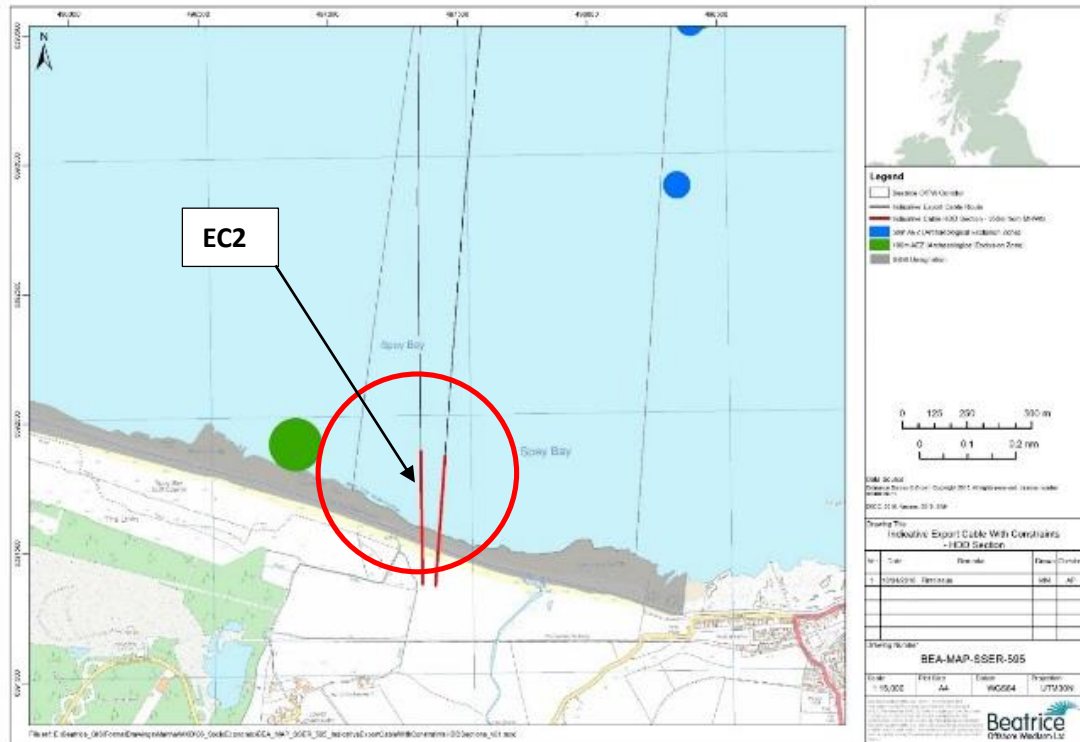


Fig 2. Work locations are approximately 420-450m from the Portgordon Beach near Buckie

Dive Locations	Latitude WGS84	Longitude WGS84
EC2	57° 40.143'N	003° 02.655'W

3. Vessels Associated with the Activity

DSV Aramis	
General Description and Dimensions:	Aluminium Workboat; 15.7m, 4.95m 0.80m
Call Sign:	LDEH
MMSI:	257167000
Onshore Representative:	Øyvind Haug BEATRICE Installation Engineering Manager Mob: +47 916 27 674 Office: +47 22 88 65 09



Dvergen	
General Description and Dimensions:	Tender Boat: 5.32m, 2.07m, 1.82m
Call Sign:	n/a
MMSI:	n/a
Onshore Representative:	Øyvind Haug BEATRICE Installation Engineering Manager Mob: +47 916 27 674 Office: +47 22 88 65 09
	

4. Work scope

On behalf of Nexans Norway AS, Agder Dykk AS will install a plastic pull in pipe to the already installed intake of the Export cable landfall pipe on Export Cable 2 (see figure above). Similar work was completed in Sept 2017 for Export Cable EC1. A surface diving operation will be conducted to install the pull in pipe over a distance of roughly 30m from the Export cable breakout location.

The dive support vessel Aramis will be positioned over the required location using a 4-point anchor system. Using a manually positioned dredging system, the divers will first clear the pipe trench over the 30m distance to a depth of 2m, moving the DSV on the anchors as required.

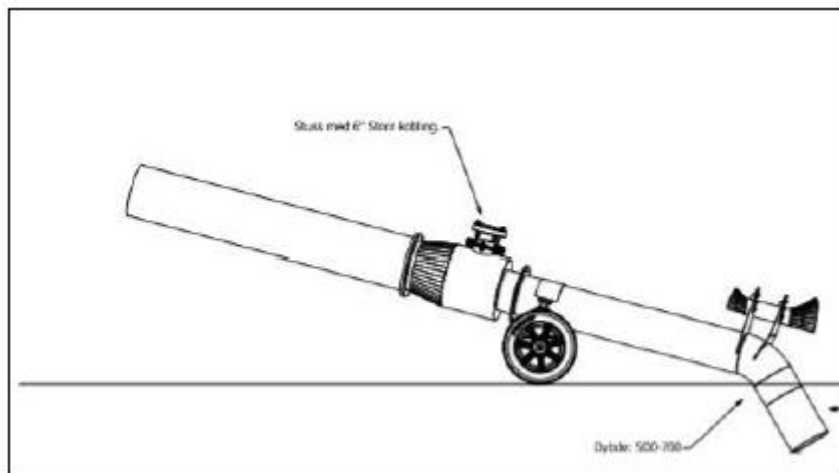


Fig 3. Recoil balanced jet dredging equipment

Installation of Pull in Pipe.

NOTICE TO MARINERS

When the clearing of the intake pipe is finished the work with installing a PE pull in pipe can begin. The scope of work is to lower the PE pull in pipe to the seabed and connect it to the steel flange on the intake pipe.

The PE pipe will be welded together in Buckie Harbour with electro fusing and be sealed in both ends before it gets towed to site with DSV Aramis.

For lowering the PE pipe, which has a positive buoyancy, it will use rock nets. The pipe will be positioned over the steel flange and a diver will carefully open the seal so the pipe will start to sink slowly to sea bottom while air escapes out via a valve in the opposite end. The pipe will be positioned in front of the steel flange still floating in the other end. A diver will use a lift bag to lift the PE pipe to the steel flange so the two parts can be connected.

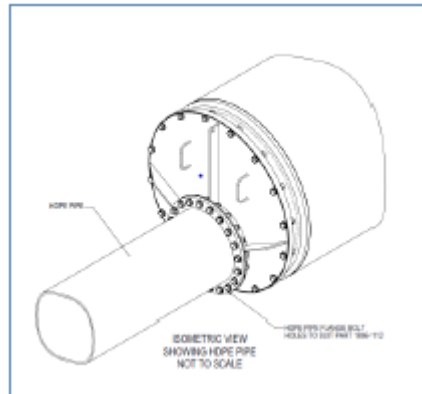


Fig 4. Steel flange and PE pipe connected

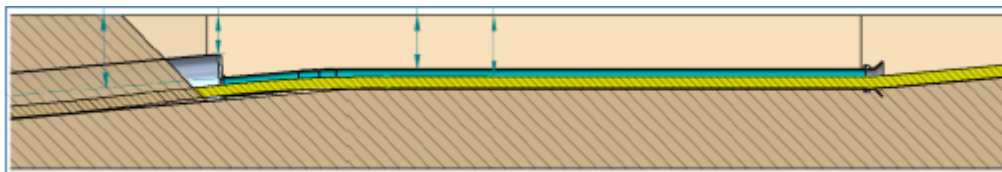


Fig 5. PE pipe with power cable inside on seabed.

5. General Safety Advice

All vessels engaged in the construction activity will exhibit appropriate lights and shapes prescribed by the International Regulations for Preventing Collisions at Sea; relative to their operations. All vessels engaged in the activity will also transmit an Automatic Identification System (AIS) message.

Whilst Diving operations are ongoing from the DSV Aramis it would be prudent for all vessels in the area to give the Aramis a wide berth of at least 250m, the support vessel will be used to monitor the area and warn other sea area users.

Use of Safety Zones within the Beatrice Offshore Windfarm Construction Area

The Secretary of State for Business, Energy and Industrial Strategy (BEIS) has approved the use of safety zones under the *Energy Act 2004* for the installation of wind turbines and offshore transformer module foundations/substructures within the Beatrice Offshore Windfarm. The approval was granted on the 17th March 2017.

The Secretary of State has declared Safety Zones under the following terms:

During Construction

NOTICE TO MARINERS

- 500 metres radius around each wind turbine, offshore transformer module and/or their substructures and foundations comprising the Beatrice Offshore Wind Farm whilst work is being performed as indicated by the presence of construction vessels.
- It is noted that the 500 metre safety zones will roll with the installation activity with no more than two construction vessels working at any one time. Vessels are advised that anchors associated with the construction vessels may extend outside of the 500 metre safety zone.
- A 50 metres radius around each wind turbine, offshore transformer module and / or their substructure and foundations installed but waiting to be commissioned as part of the Beatrice Offshore Wind Farm.
- Positions of foundations installed will be promulgated within the Weekly Notice of Operations.

Only vessels associated with the Beatrice Offshore Wind Farm construction may enter statutory Safety Zones with prior permission.

The duty Guard Vessels and Marine Coordination centre will be responsible for monitoring and policing the Safety Zones; and can be contacted directly for advice.

Further information on the application of Safety Zones can be obtained from the Marine Coordinator.

Users are advised to keep clear of construction activities, including Safety Zones, within the Beatrice Offshore Windfarm construction area in line with Marine Guidance Note 372.

ALL VESSELS ARE REQUESTED to give all construction and support vessels a wide berth.

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

6. Dedicated Guard Vessels

At present the Guard Vessels in place at Beatrice Offshore Windfarm Development Site are the Moremma and Fladda Maid,. Guard vessels Artemis and Morning Dawn are guarding exposed cable on the 2nd export cable route.

Currently Guard Vessels rotate every 21 days with two permanently on location. They can be contacted on VHF Ch. 16.

Updates on Guard Vessels on location will be promulgated within the Weekly Notice of Operations.

7. Fisheries Liaison

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 872144 and mobile: +44 (0)7760 160039.

8. Distribution List

The distribution of this notice is as per email recipient's header. A central list of recipients is maintained by the Marine Coordinator; if you are not the appropriate recipient of these notices, or do not wish to receive the notices in the future, please contact us at the address included in Section 1 of this notice.

A copy of this notice can also be found at <https://www.beatricewind.com>