

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

Date of Issue	7th February 2018	Notice Number	LF000005-NTM-036-Rev01
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Please promulgate the following as a Notice to Mariners:

BOWL Export Cable Trenching EC2.2

The installation of two export cables (EC) in the Beatrice Offshore Windfarm construction site will continue with the jetting/trenching of the installed section of EC2.2 from KP68 to KP33 (positions below). In this respect the work listed here is due to be carried out as described below starting on 7th Feb 2018. The works described are expected to be completed by the 15th Feb 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.

Telephone Number (Day Operations)	+44 (0) 3302 020329
Emergency Contact (24/7)	+44 (0) 7342 028207
Email for Marine Coordinator	MC.Bowl@sse.com
Address	Unit 1 Harbour Office Wick Caithness KW1 5HA

2. Area of Planned Activity

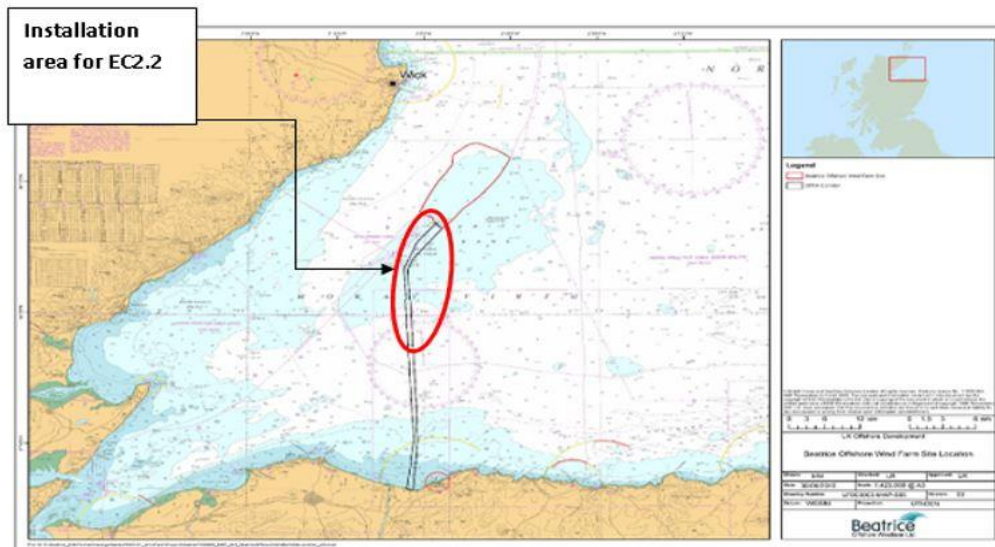


Fig.1 Cable trenching location, KP68 to KP33.

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Approximate location of cable laydown ends EC2.2	Latitude WGS84	Longitude WGS84
KP 68	58° 14.90'N	002°54.82'W
KP33	57° 57.26'N	003°02.64'W

3. Activity Description

On behalf of BOWL, Nexans Norway AS using the cable laying vessel Skagerrak will trench the first section of an export cable. The work will commence as follows:

- Trenching by the Skagerrak from KP33 to KP68

Additional trenching works will be performed once more cable sections have been installed. These will be notified separately.

The equipment used for the trenching is a 1 Mega Watt high pressure water jetting system known as Capjet. This is deployed from the Skagerrak and uses swords with water jet nozzles to penetrate and liquefy the seabed to allow the cable to drop in. Control of the Capjet is remote from on board the Skagerrak.




Fig 2. The Capjet trenching machine


The trenching will be supported by two guard vessels, Morning Dawn and Artemis who will continue to guard and monitor the cable area.

4. Vessels Associated with the Activity


The vessels that are involved with the described operation are the Skagerrak, DSV guard vessels Morning Dawn and Artemis

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Skagerrak	
General Description and Dimensions:	Cable Layer & Trenching L:99.75m / B:35.41m
Call Sign:	LCEK
MMSI:	257253000
Onshore Representative:	Øyvind Haug BEATRICE Installation Engineering Manager Mob: +47 916 27 674 Office: +47 22 88 65 09
	

Morning Dawn	
General Description and Dimensions:	Guard Vessel, L:45m / B: 9m
Call Sign:	MHEU3
MMSI:	232253000
Onshore Representative:	Øyvind Haug BEATRICE Installation Engineering Manager Mob: +47 916 27 674 Office: +47 22 88 65 09
	

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Artemis INS564	
General Description and Dimensions:	L 28m / B 8m / D 5.6m
Call sign	MVIX5
MMSI	233975000
Onshore representative	Øyvind Haug – Nexans Norway AS BEATRICE Installation Engineering Manager Mob: +47 916 27 674 Office: +47 22 88 65 09
	

5. Crew transfers

None anticipated.

6. Adverse Weather Conditions

Should adverse weather occur during the trenching, the Skagerrak will cease operation and hold position until suitable working weather returns. The vessel is able to recover the Capjet within around 30 mins and move off station if required.

The operational limits for the trenching are listed in below table:

Operation(s)	Limiting Weather Criteria
Burial – Transit or standby at site CAPJET 1MW Jetting	Hs = None / Master decision Wind speed = None / Master decision
Burial – Launch / Recovery	Hs = 3 m Wind speed = 15 – 18 m/s
Burial < 10m Water Depth	Hs = 1.5 m Wind speed = 10 – 15 m/s
Burial >10m Water Depth	Hs = 3 m Wind speed = 15 – 18 m/s
Burial – Standby Onsite – Capjet deployed in water, standby on seabed or trenching	Hs = 3.5 m Wind speed = 15 – 18 m/s
Max. surface current	(2 knots)
Surface visibility	(100 m)

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7. 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.

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

- 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.

8. Dedicated Guard Vessels

The Guard Vessels 'Fisher Boys' and 'Artemis' will be in attendance along the cable route and at the Cable Lay Vessel 'Skagerrak'.

All vessels can be contacted on VHF CH16

9. 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 or email: alex@brownmay.com

10. Distribution List

NOTICE TO MARINERS



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/>