

NOTICE TO MARINERS

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

Date of Issue	4 th June 2017	Notice Number	LF000005-NTM048-Rev01
---------------	---------------------------	---------------	-----------------------

Please promulgate the following as a Notice to Mariners:

BOWL Export Cable EC2. Rock Emplacement Operations

The rock emplacement campaign for the installation of the second of two export cables (EC2) in the Beatrice Offshore Windfarm export corridors and construction site will commence around 8th June 2018.

The installation of rock will be restricted between KP67 to KP63, within the array, KP32 to KP 39.2, and KP10.8 to KP3.3.

The estimated duration of work associated with the second trenching campaign is 1 week, unweathered.

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

NOTICE TO MARINERS

2. Area of Planned Activity

The following figure shows the area of the planned activity.

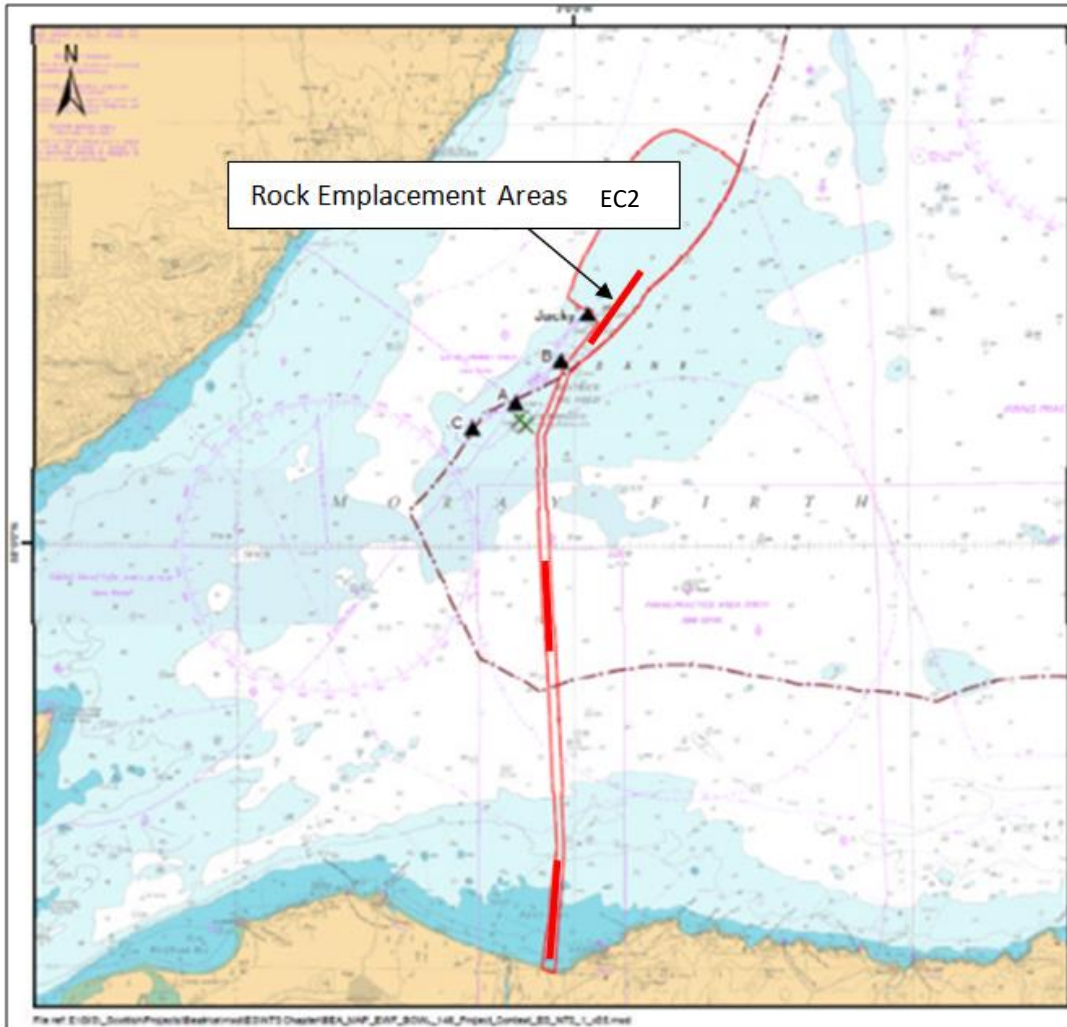


Figure 1 Rock emplacement operations cable EC2.

3. Activity Description

On behalf of BOWL, Nexans Norway AS using the FPV Rockpiper will install 8” grade rock in the following KP intervals:

Start KP	End KP	Start Lat / Long	End Lat / Long	Comments
3.358	10.753	057° 41.636' N 003° 2.168' W	057° 45.717' N 002° 16.832' W	Nearshore
32.547	39.173	057° 57.304' N 003° 2.193' W	058° 03.665' N 003° 2.515' W	Includes inline joint
63.061	67.000	58° 12.506' N 2° 54.856' W	58° 14.447' N 2° 53.353' W	Within array area

WGS84, UTM Zone 30N

The rock emplacement operation will be supported by a guard vessel between KP 4 to KP 11, GV Morning Dawn, and by the guard vessel in the southern sector of the wind farm array. After rock emplacement is completed, the guard vessel between KP 4 to KP 11 will be released.

LF000005-NTM-048 Rev01Notice to Mariners_ Export Cable EC2 – Rock Emplacement

Name and Registered Office: Beatrice Offshore Windfarm Limited. One Waterloo Street, Glasgow. G2 6AY

NOTICE TO MARINERS

4. Vessels Associated with the Activity

The vessels that are associated with the described operation are the FPV Rockpiper and the guard vessel Morning Dawn PD359. Note that the guard vessels may vary during operations.

FPV Rockpiper	
General Description and Dimensions:	Rock dumper L:158.6m / B:36m
Call Sign:	5BML3
MMSI:	209449000
Onshore Representative:	Øyvind Haug BEATRICE Installation Engineering Manager Mob: +47 916 27 674 Office: +47 22 88 65 09



Morning Dawn	
General Description & Dims.	Guard Vessel L:158.6m / B:36m
Call Sign:	MHEU3
MMSI:	232253000
Onshore Representative:	Øyvind Haug BEATRICE Installation Engineering Manager Mob: +47 916 27 674 Office: +47 22 88 65 09



NOTICE TO MARINERS

5. Crew transfers

None anticipated.

6. Adverse Weather Conditions

Should adverse weather occur during the rock emplacement, the FPV Rockpiper will cease rock emplacement activities, recover the fallpipe, and remain on station until suitable working weather resumes.

The operational limits for the FPV Rockpiper during trenching operations are listed below:

Weather limit	Rock emplacement <20m WD	Rock emplacement >20m WD	Standby Onsite
Max Wind Force	11-16 knots	35 knots	40-50 knots
Max Wave Height, Hs	1.0 m	3.0 m	3.0 – 4.0 m

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.

NOTICE TO MARINERS



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 Seagull BF74 will be in attendance between KP 3.3 to KP11.00. Morning Dawn PD359 will remain in the south of the array operational area to protect the wet-stored cable end. Guard vessels may vary during operations.

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

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/>