

Notice to Mariners

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

Date of Issue	9th November 2017	Notice Number	LF000005-NTM-031-Rev01
---------------	-------------------	---------------	------------------------

Please promulgate the following as a notice to mariners:

Pre-Lay Grapnel Run and Inter-Array Cable Installation Campaign

The first campaign of the installation of the inter array cables (IAC) in the Beatrice Offshore Windfarm construction site will commence on the 10th November 2017.

The Cable Laying Vessel Siem Aimery supported by the Cable Support Vessel Siem Stingray will undertake the works described below during the period 10/11/20217 – 31/12/2017

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

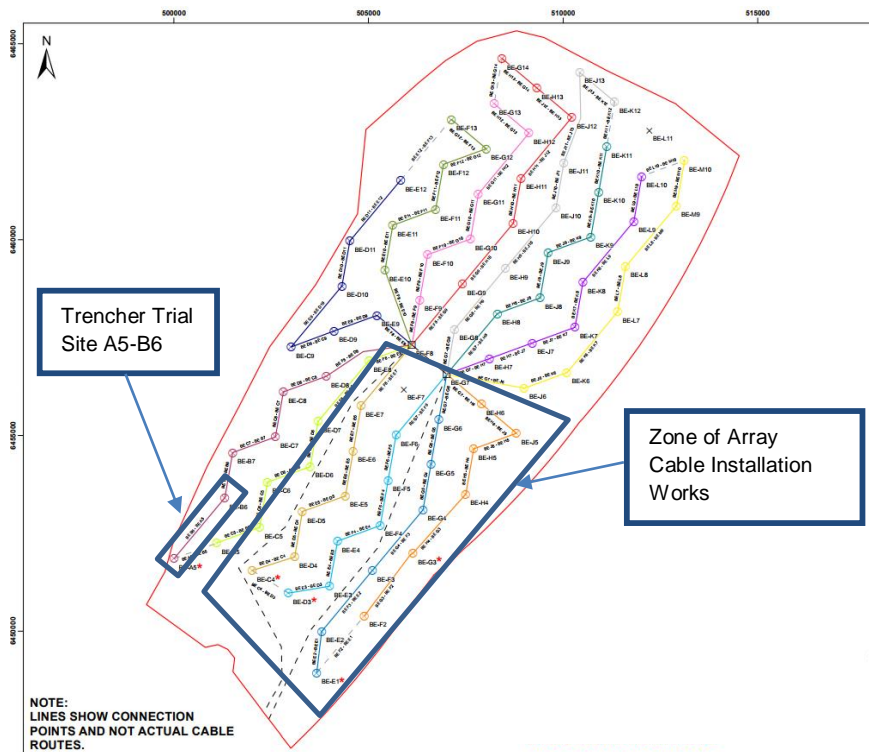


Fig 1 Location of PLGR and Array Cable installation works
LF000005-NTM-031 Rev01Notice to Mariners_ Inter Array Cable Installation 1st Campaign

Table 1 PLGR and Cable route installation locations and planned sequence.

Planned Installation Sequence	Start	Finish	Average WD on route (m)	Seabed Length (m)	Latitude Start (WGS84)	Longitude Start (WGS84)	Latitude Finish (WGS84)	Longitude Finish (WGS84)
Trial 1	*A5	*B6	45.9	100	58°12.656'N	002° 59.541 'W	58° 12.696 'W	002° 59.471 'W
Trial 2	*G4	*F3	38.7	200	58°12.738'N	002° 54.005 'W	58° 12.657 'W	002° 54.140 'W
Trial 3	*H4	*G3	40.8	100	58°12.924'N	002° 52.927 'W	58° 12.903 'W	002° 53.022 'W
1	H6	J5	40.7	1,538	58°14.598'N	002° 51.920 'W	58° 14.192 'W	002° 51.005 'W
2	J5	H5	41.7	1,304	58°14.192'N	002° 51.005 'W	58° 13.977 'W	002° 52.130 'W
3	H5	H4	41.5	1,262	58°13.977	002° 52.130 'W	58° 13.356 'W	002° 52.339 'W
4	H4	G3	40.8	2,074	58°13.356	002° 52.339 'W	58° 12.544 'W	002° 53.727 'W
5	G3	F2	40.4	2,023	58°12.544	002° 53.727 'W	58° 11.685 'W	002° 55.005 'W
6	F2	E1	39.5	1,886	58°11.685	002° 55.005 'W	58° 10.900 'W	002° 56.256 'W
7	G6	G5	40.0	1,231	58°14.384	002° 53.044 'W	58° 13.762 'W	002° 53.254 'W
8	G5	G4	39.2	1,232	58°13.762	002° 53.254 'W	58° 13.142 'W	002° 53.464 'W
9	G4	F3	38.7	2,080	58°13.142	002° 53.464 'W	58° 12.306 'W	002° 54.796 'W
10	F3	E2	38.5	2,094	58°12.306	002° 54.796 'W	58° 11.470 'W	002° 56.128 'W
11	E2	E1	38.5	1,090	58°11.470	002° 56.128 'W	58° 10.900 'W	002° 56.256 'W
12	F6	F5	40.7	1,258	58°14.168	002° 54.169 'W	58° 13.548 'W	002° 54.378 'W
13	F5	F4	40.1	1,262	58°13.548	002° 54.378 'W	58° 12.927 'W	002° 54.588 'W
14	F4	E4	40.6	1,289	58°12.927	002° 54.588 'W	58° 12.712 'W	002° 55.710 'W
15	E4	E3	39.7	1,259	58°12.712	002° 55.710 'W	58° 12.090 'W	002° 55.920 'W
16	E3	D3	38.5	1,300	58°12.090	002° 55.920 'W	58° 11.995 'W	002° 57.002 'W
17	D3	C4	38.2	1,419	58°11.995	002° 57.002 'W	58° 12.307 'W	002° 57.948 'W
18	E7	E6	42.2	1,230	58°14.575	002° 55.084 'W	58°13.954 'W	002° 55.293 'W
19	E6	E5	40.6	1,236	58°13.954	002° 55.293 'W	58° 13.333'W	002° 55.502 'W
20	E5	D5	41.2	1,354	58°13.333	002° 55.502 'W	58°13.117 'W	002° 56.626 'W
21	D5	D4	40.7	1,233	58°13.117	002° 56.626 'W	58°12.497 'W	002°56.834 'W
22	D4	C4	38.7	1,253	58°12.497	002° 56.834 'W	58°12.307 'W	002° 57.948 'W
23	E8	D7	45.0	2,086	58°15.196	002° 54.875 'W	58°14.359 'W	002° 56.209 'W
24	D7	D6	43.1	1,257	58°14.359	002° 56.209 'W	58°13.739 'W	002° 56.417 'W

*Activity undertaken on part of route only.

3. Activity Description



On behalf of BOWL, Seaways Heavy Lifting, with Siem Offshore Services will commence the installation of the Inter Array Cables.

The CLV Siem Aimery will install up to 24 Inter Array Cables during the first cable installation campaign. Prior to installation, cable routes will be cleared of any surface debris by performing a pre-lay grapnel run (PLGR). The cables will be laid and buried between the foundations listed in Table 1 above. Cable burial will be undertaken by a tracked jet trencher launched from the Siem Aimery. Prior to commencement of cable installation operations, the jet trencher will be trialled at 3 locations adjacent to the cable routes within the windfarm boundary, specifically A5-B6, G4-F3 & H4-G3.

The CSV Siem Stingray will support inter-array cable installation activities in the south of the Beatrice wind farm, working in parallel with the CLV Siem Aimery. The Siem Stingray will undertake the following worksopes; personnel transfer to WTG foundations by Ampelmann Gangway; crane operations to transfer equipment to/from WTG foundations; Work class ROV activities at the seabed in the vicinity of WTG foundations; and survey activities along the planned inter-array cable routes linking the appropriate WTG foundations.

4. Vessels Associated with the Activity

The vessels conducting the PLGR and Cable Installation operation are the CLV Siem Aimery & CSV Siem Stingray.

CLV Siem Aimery	
General Description and Dimensions:	Length overall 95.3 m Breadth moulded 21.5 m Draft max. 7.2 m
Call Sign:	LATX7
MMSI:	258182000
On Board Contact:	V-Sat phone: +44 203 1454 129
Offshore Manager / Party Chief:	Captain Direct: +44 203 1454 122 / captain@aimery.siemoffshore.com
E-mail:	bridge@aimery.siemoffshore.com
Onshore Representative:	Majbritt Pauladottir, +47 95 93 60 32, mpa@siemoffshore.com
	
CSV Siem Stingray	
General Description and Dimensions:	Length overall 120.8m Breadth moulded 23m Draft max. 7m
Call Sign:	LARR7
MMSI:	258783000
On Board Contact:	V-Sat phone: + 47 239 61 127
Offshore Manager / Captain:	+ 47 404 09 718
E-mail:	captain@stingray.siemoffshore.com
Onshore Representative:	Majbritt Pauladottir, +47 95 93 60 32, mpa@siemoffshore.com
	

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.

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.

6. Dedicated Guard Vessels

The Guard Vessels Moremma PD135 and Pleiades BF155, are currently carrying out guard vessel duties in the BOWL construction site. All vessels can be contacted on VHF CH16

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 or email: alex@brownmay.com

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/>