

Date of issue:	25/03/2024
Period covered:	04/03/2024 – 03/04/2024
Notice number:	182
Author:	Shini Chandramohan (shini.chandramohan@nngoffshorewind.com)

Construction of the Neart na Gaoithe (NnG) Offshore Wind Farm is ongoing. This notice is updated weekly giving information on the progress and resources involved in the offshore works. The intention is to give an overview of activities and vessels involved. Questions regarding the operations are welcomed.

Current works include;

1. Guard vessel duties (Section 3.1)
2. South Offshore Substation Commissioning (Section 3.2)

1 Project Location

The following tables and figures illustrate the boundaries, safety zones and exclusions applicable to the Neart na Gaoithe wind farm area and export cable corridor.

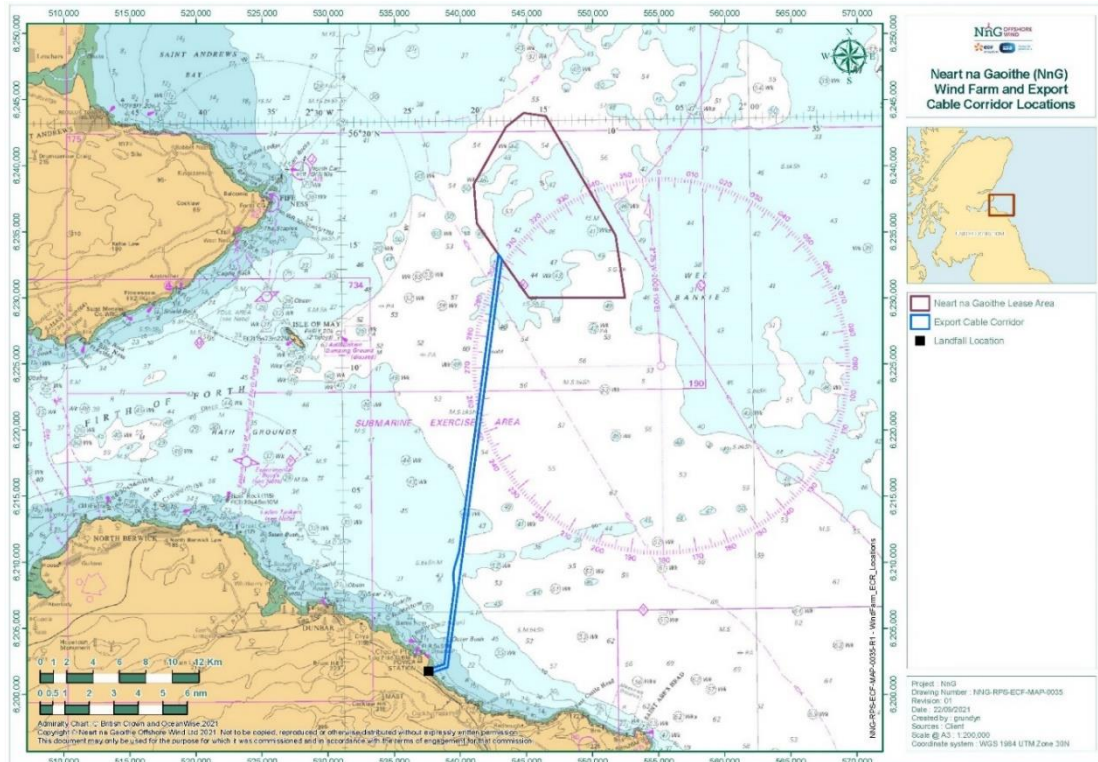


Figure 1 - Wind Farm Area and Export Cable

Table 1 - Wind Farm Area and Export Cable Coordinates

Wind Farm Area Coordinates (WGS84)	
LONGITUDE (DDM)	LATITUDE (DDM)
002° 09.898' W	56° 15.271' N
002° 09.255' W	56° 12.721' N
002° 13.998' W	56° 12.752' N
002° 16.293' W	56° 12.766' N
002° 19.628' W	56° 15.479' N
002° 20.055' W	56° 15.827' N
002° 20.232' W	56° 17.430' N
002° 17.826' W	56° 19.752' N
002° 16.518' W	56° 20.312' N
002° 14.910' W	56° 20.171' N

Export Cable Corridor Coordinates (WGS84)	
LONGITUDE (DDM)	LATITUDE (DDM)
2° 22.472' W	55° 57.734' N
2° 23.539' W	55° 57.541' N
2° 23.802' W	55° 57.584' N
2° 23.820' W	55° 57.609' N
2° 23.636' W	55° 57.693' N
2° 22.729' W	55° 57.866' N
2° 21.938' W	56° 00.990' N
2° 21.951' W	56° 01.007' N
2° 22.005' W	56° 01.449' N
2° 22.004' W	56° 01.552' N
2° 21.932' W	56° 01.795' N
2° 21.563' W	56° 02.468' N
2° 18.479' W	56° 14.546' N
2° 18.237' W	56° 14.349' N

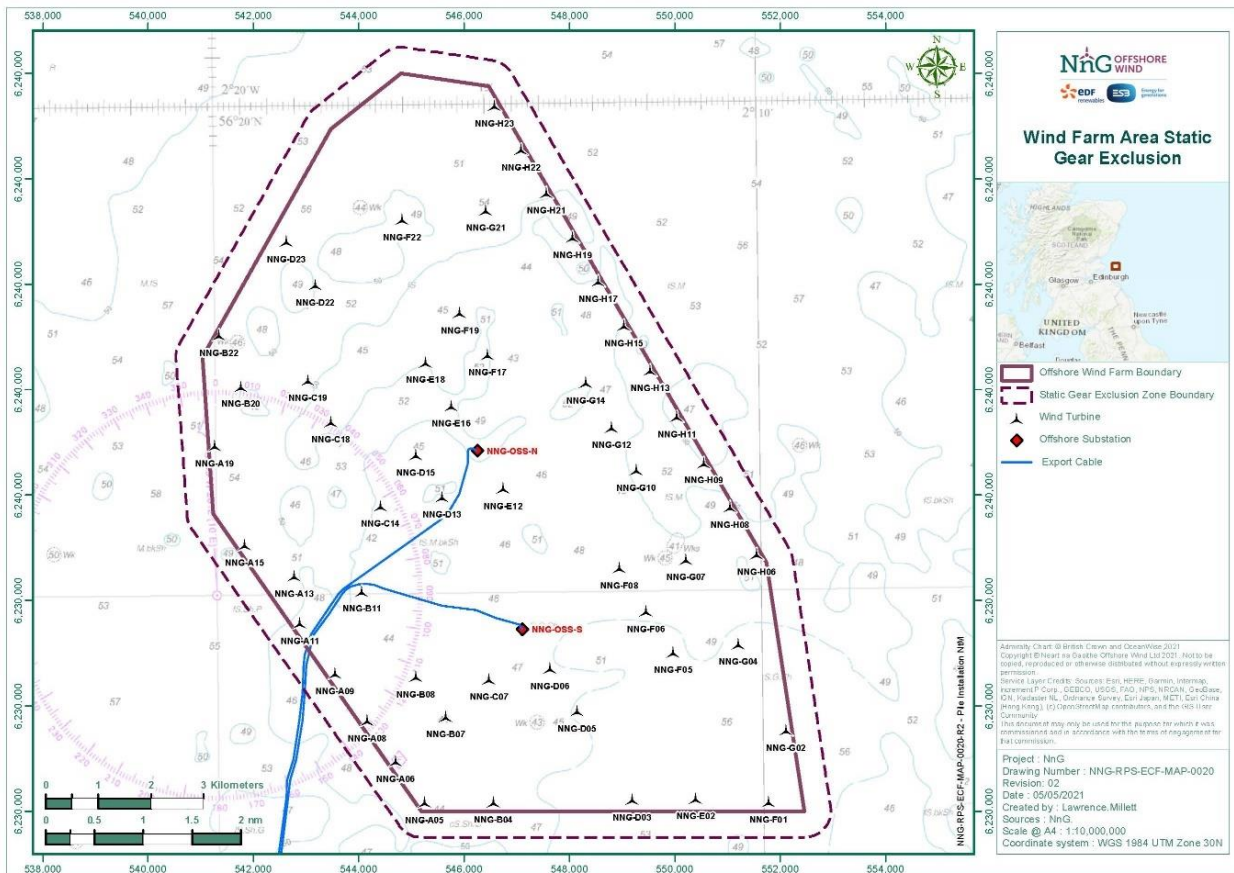


Figure 2 - Wind Farm Area Static Fishing Gear Exclusion

Table 2 - Wind Farm Area Static Fishing Gear Exclusion Coordinates

Longitude (DDM)	Latitude (DDM)
002° 20.566' W	56° 15.680' N
002° 20.849' W	56° 17.468' N
002° 18.242' W	56° 19.938' N
002° 16.611' W	56° 20.613' N
002° 14.363' W	56° 20.392' N
002° 09.300' W	56° 15.334' N
002° 08.661' W	56° 12.651' N
002° 09.058' W	56° 12.405' N
002° 16.505' W	56° 12.410' N

2 Completed Operations

2.1 Foundations Installation

Casing and pile installation operations have been successfully completed at the orange shaded locations listed in Table 3. Casing only installation operations have been completed at the grey shaded locations and locations where jacket installation has been completed are shaded green. Locations where turbine installation have been completed are shaded in blue. More information can be found at: <https://nngoffshorewind.info/>.

Table 3 – Centre coordinates of Turbine Locations and Offshore Substation Platforms with completed locations shaded.

ID	LONGITUDE (DD.MM.MMM)	LATITUDE (DD.MM.MMM)	TURBINE ID	LONGITUDE (DD.MM.MMM)	LATITUDE (DD.MM.MMM)
NNG-A13	002° 18.580' W	56° 15.153' N	NNG-F22	002° 16.536' W	56° 18.785' N
NNG-A11	002° 18.489' W	56° 14.668' N	NNG-F19	002° 15.487' W	56° 17.828' N
NNG-A09	002° 17.845' W	56° 14.153' N	NNG-F17	002° 14.978' W	56° 17.394' N
NNG-A08	002° 17.267' W	56° 13.665' N	NNG-F08	002° 12.603' W	56° 15.198' N
NNG-A06	002° 16.755' W	56° 13.248' N	NNG-F06	002° 12.129' W	56° 14.751' N
NNG-A05	002° 16.231' W	56° 12.822' N	NNG-F05	002° 11.632' W	56° 14.330' N
NNG-B22	002° 19.921' W	56° 17.623' N	NNG-G21	002° 14.988' W	56° 18.873' N
NNG-B20	002° 19.521' W	56° 17.097' N	NNG-G14	002° 13.181' W	56° 17.095' N
NNG-B11	002° 17.341' W	56° 14.989' N	NNG-G12	002° 12.715' W	56° 16.640' N
NNG-B08	002° 16.365' W	56° 14.109' N	NNG-G10	002° 12.270' W	56° 16.197' N
NNG-B07	002° 15.822' W	56° 13.695' N	NNG-G07	002° 11.379' W	56° 15.279' N
NNG-B04	002° 14.964' W	56° 12.817' N	NNG-G04	002° 10.435' W	56° 14.405' N
NNG-C19	002° 18.293' W	56° 17.155' N	NNG-G02	002° 09.572' W	56° 13.520' N
NNG-C18	002° 17.882' W	56° 16.725' N	NNG-H23	002° 14.806' W	56° 19.943' N
NNG-C14	002° 16.984' W	56° 15.858' N	NNG-H22	002° 14.322' W	56° 19.488' N
NNG-C07	002° 15.017' W	56° 14.076' N	NNG-H21	002° 13.865' W	56° 19.043' N
NNG-D23	002° 18.666' W	56° 18.572' N	NNG-H19	002° 13.397' W	56° 18.588' N

ID	LONGITUDE (DD.MM.MMM)	LATITUDE (DD.MM.MMM)	TURBINE ID	LONGITUDE (DD.MM.MMM)	LATITUDE (DD.MM.MMM)
NNG-D22	002° 18.135' W	56° 18.127' N	NNG-H17	002° 12.932' W	56° 18.134' N
NNG-D15	002° 16.321' W	56° 16.376' N	NNG-H15	002° 12.466' W	56° 17.677' N
NNG-D13	002° 15.848' W	56° 15.946' N	NNG-H13	002° 11.997' W	56° 17.214' N
NNG-D06	002° 13.894' W	56° 14.179' N	NNG-A19	002° 20.015' W	56° 16.490' N
NNG-D05	002° 13.417' W	56° 13.744' N	NNG-A15	002° 19.484' W	56° 15.474' N
NNG-D03	002° 12.421' W	56° 12.828' N	NNG-F01	002° 09.915' W	56° 12.079' N
NNG-E18	002° 16.122' W	56° 17.324' N	NNG-H11	002° 11.513' W	56° 16.740' N
NNG-E16	002° 15.658' W	56° 16.874' N	NNG-H09	002° 11.027' W	56° 16.263' N
NNG-E12	002° 14.720' W	56° 16.029' N	NNG-H08	002° 10.555' W	56° 15.808' N
NNG-E02	002° 11.251' W	56° 12.829' N	NNG-H06	002° 10.079' W	56° 15.324' N
NNG-OSS-N	002° 15.193' W	56° 16.446' N	NNG-OSS-S	002° 14.395' W	56° 14.615' N

2.2 Inter- Array Cables Installation & Burial Works

Description (NtM 187 Rev 28.0)		
<p>Mariners are advised that Neart na Gaoithe Offshore Wind Farm Limited (NnGOWL) have completed cable burial activities for the inter-array cables within the Neart na Gaoithe Offshore Wind Farm site. The works commenced on the 8th of January 2024 with the Living Stone vessel and the vessel is set to leave the NnG site 22nd March 2024, at the earliest.</p> <p>The PLGR was completed by the vessel <i>Pacific Discovery</i> (call sign: 9VFL8) using a grapnel towed from the vessel. The PLGR works were completed on the 29th November and the Pacific Discovery departed site on the 20th November.</p> <p>The subsequent cable installation campaign has been completed by the <i>Viking Neptun</i> vessel (call sign: LAYH7) on the 7th of January 2024. The <i>Viking Neptun</i> vessel has now left the NnG site. The <i>HST Millie</i> (call sign: MOAN6) vessel has joined the campaign as additional crew transfer vessel for the IAC termination and testing works being carried out from the Normand Navigator vessel currently. Testing and Termination works are expected to continue until May 2024.</p>		
Vessels	Type / Role	Timescales
Normand Navigator	Walk to Work vessel	Vessel will be supporting IAC installation works from the 25 th November, at the earliest.
Area		
Project Location: Wind Farm Area, shown in Table 1 and Figure 1		

3 Ongoing Operations

This section outlines the ongoing operations in the Project Areas, for full details regarding the activity, the applicable Notice to Mariners (NtM) can be found on our website at <https://nngoffshorewind.com/resources/>.

3.1 Guard Vessels

SFF Services has been appointed by NnGOWL to provide guard vessels during the construction of NnG Offshore Wind Farm. Apart from times of extreme weather, there will always be at least one guard vessel on site, to cover the Wind Farm Area. There is also currently at least one guard vessel on the Export Cable Corridor until works are complete. The guard vessel’s primary duty is security of the construction site by informing and warning non-construction vessels of the ongoing activities and associated Safety Zones. The guard vessels present on site as of the date of issue, are shaded in blue in Table 4. The guard vessel details are provided in Section 7.1.

Table 4 - Guard Vessel Project Rotation

Guard Vessel	Start Date	End Date	Guard Vessel Area
Seagull	05/04/2024	26/04/2024	Wind Farm Area
Tranquillity	22/03/2023	05/04/2024	Wind Farm Area

3.2 North and South Offshore Substation Commissioning

Description (NtM 177 Rev 15.0)
<p>Mariners are advised that Neart na Gaoithe Offshore Wind Farm Limited (NnGOWL) that commissioning works of the North and South offshore substation is currently ongoing within the NnG Wind Farm Area.</p> <p>Personnel are being transported to and from the North and South OSS topside by Crew Transfer Vessels (CTV); the <i>Rix Lion</i> (call sign: 2HOH3) and the <i>Green Storm</i> vessel (call sign: 2EXU3) presently. The <i>Forth Engineer</i> vessel (call sign: 2HAL3) is due to return to site at the next available weather window this week.</p> <p>The <i>CF Explorer</i> vessel (call sign: 5BKK5) and the <i>MCS Kaver</i> (call sign: 2GMB8) will be mobilised to NnG Site as additional commissioning support for the ongoing commissioning works on both OSS South and North from the 24th of October, at the earliest. The <i>CF Explorer</i> vessel (call sign: 5BKK5) departed the site on the 8th of December 2023.</p> <p>In addition, the project will onboard an additional CTV, <i>MCS Boreas</i> (call sign: 2GDR8) to provide general construction support from the 28th of February, at the earliest.</p>

Vessels	Type / Role	Timescales
Rix Lion	CTV	OSS commissioning commenced in early June 2022 and will continue throughout 2024.
CF Explorer	Additional CTV Support	
MCS Boreas	CTV	
MCS Kaver	CTV	
Green Storm	CTV	
Normand Navigator	Walk to Work	
Forth Engineer	CTV	
Area		
Project Location: Wind Farm Area, shown in Table 1 and Figure 1		

3.3 WTG Remedial Works

Description (NtM 191 Rev 17.0)		
<p>Mariners are advised that Neart na Gaoithe Offshore Wind Farm Limited (NnGOWL) has commenced the installation of offshore wind turbines within the Neart Na Gaoithe (NnG) Wind Farm Area. The work began on the 15th of July 2023 and is presently ongoing.</p> <p>Wind turbines will be installed onto pre-installed jackets in the NnG Wind Farm Area. The turbines will be brought to site and installed from the Port of Dundee by the <i>Blue Tern</i> vessel (call sign 9HA5208) and WTG commissioning will be carried out using the <i>HST Swansea</i> call sign (MNGM8) which will be replaced by the <i>Millie</i> vessel call sign (MOAN6) from the 16th September at the earliest. The <i>Farra Ciara</i> call sign (MKPT9) crew transfer vessel (CTV) will be supporting the turbine installation campaigns. The <i>Green Storm</i> (call sign: 2EXU3) crew transfer vessel has returned to NnG site as additional crew transfer vessel.</p> <p>Due to an engine breakdown, the <i>Farra Emer</i> CTV has been replaced by the <i>Farra Cliona</i> CTV (call sign: MNDD9) on 7th of January 2024. The <i>Farra Emer</i> (call sign: MNDD6) will return to site at a later date, to be confirmed. The <i>Farra Cliona</i> CTV will be supporting the refuelling works for the WTG temporary generators. Additional crew transfer support will be provided by the <i>VOS Stone</i> (call sign: PBMW) from the 26th of October, at the earliest. The <i>MCS Boreas</i> (call sign: 2GDR8) crew transfer vessel had been supporting the campaign from the 9th of October 2023 and has now left the site. The <i>Manor Victor</i> CTV (call sign: MLR19) will be supporting the refuelling works for the WTG temporary generators from the 9th November at the earliest. The <i>Windcat 20</i> (call sign: 2CQX8) has replaced the <i>Windcat 16</i> (call sign: 2BOO8). The <i>Windcat 19</i> (call sign: 2ATD3) and <i>Windcat 20</i> (call sign: 2CQX8) CTVs are assisting with rectification works on the turbine platforms. Additional refuelling support will be provided from the <i>Manor Vulcan</i> (call sign: MLRK6) vessel from the 7th of January 2024.</p>		
Vessels	Type / Role	Timescales
VOS Stone	WTG Commissioning	WTG commissioning and remedial works are currently ongoing.
Farra Cliona	Refuelling Vessel	
Manor Victor	CTV	
Manor Vulcan	CTV	
Green Storm	CTV	
HST Millie	WTG Commissioning	
Farra Ciara	CTV	
Windcat 19	CTV	
Windcat 20	CTV	
Area		
Project Location: Wind Farm Area, shown in Table 1 and Figure 1		

4 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. Mariners are requested to navigate with caution and keep continued watch on VHF Ch. 16, when navigating the area.

Please be aware that by virtue of their mode of operation and the equipment deployed vessels will be Restricted in their Ability to Manoeuvre (RAM) as defined under COLREGs (International Regulations for Preventing Collisions at Sea 1972, Rule 3). Masters of vessels are therefore requested to maintain their vessels and gears at a minimum safe distance from these vessels of 500 metres when it is undertaking its work and showing the appropriate shapes and lights in accordance with COLREGs Rule 18.

Use of Safety Zones within the Neart na Gaoithe Offshore Wind Farm Construction Area is as follows:

- Mandatory “rolling” 500 metres (m) Safety Zones will be established around each wind farm structure (turbines and Offshore Substation Platforms (OSP)) and/or their foundations whilst construction works are in progress, as indicated by the presence of a construction vessel. Up to ten of these Safety Zones may be active at any given time.

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. Users are advised to keep clear of construction activities, including Safety Zones.

5 Fisheries Liaison

Fisheries liaison associated with the activity will be co-ordinated by the Company Fisheries Liaison Officer. For any commercial fishery queries please contact: Peter Berney, telephone: +44 (0)7391 402387 or email: Nng.FLO@naturalpower.com. An Offshore Fisheries Liaison Officer is present on Tranquillity guard vessel and can be contacted on Ch16. For any other general queries please contact info@nngoffshorewind.com.




6 Marine Coordination Contact Details






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. The contact details for the marine coordination centre are indicated in Table 5.





Table 5 – Marine Coordination Contact Details

Telephone number (daytime operations):	+44 (0)7508421406 / +44 (0)1890 751415
Emergency contact (24/7):	+44 (0)7508421406 / +44 (0)1890 751415
Email:	nng.mc@smchse.com
Address:	NnG Offshore Wind Farm Marine Coordination Centre Gunsreen Basin Eyemouth TD14 5SD

7 Vessels Associated with the Activity

Vessel	Vessel Function	Vessel Contact Details	Vessel Information
7.1 Guard Vessels			
Tranquillity S 	Guard Vessel	Contact Name: David Spouse Email: spousefishing@gmail.com Phone: 01890 530168	Call sign: MJUH9 IMO: N/A MMSI: 235053837
Seagull 	Guard Vessel	Contact name: Vessel Master Email: seagullbf74@gmail.com Phone: +44 (0) 1261 878040 / +44 (0) 7895 919100	Call sign: MVBO2 IMO: 9112545 MMSI: 233714000
7.2 North and South Offshore Substation Commissioning			
Rix Lion 	CTV	Contact name: Ships Master (Will be rotated with shifts) Email: rix.lion@rix.co.uk Phone: +447702 975599	Call sign: 2HOH3 IMO: 9745706 MMSI: 235105282
CF Explorer	Plant/ Personnel Transfer	TBC	Call sign: 5BKK5

Vessel	Vessel Function	Vessel Contact Details	Vessel Information
			MMSI: 209816000
MCS Boreas 	CTV	TBC	Call sign: 2GDR8 MMSI: 235096501 IMO: 9679098
MCS Kaver 	Additional CTV Support	TBC	Call sign: 2GMB8 MMSI: 235098572
Forth Engineer 	CTV	TBC	Call sign: 2HAL3 MMSI: 235102028
7.3 Cable Installation for August IAC Campaign			
Normand Navigator 	Piling Grouting Vessel	Contact name: Master of Normand Navigator Email: master@navigator.solstad.com Phone (Iridium) : +881677102711	Call sign: LASG7 IMO: 9687356 MMSI: 257794000
7.4 Commencement of Wind Turbine Installation			
HST Millie	Commissioning vessel	Tel: +44 7715 637335 Email: HSTMillie@Puruuswind.com	Call sign: MOAN6 MMSI: 232048990

Vessel	Vessel Function	Vessel Contact Details	Vessel Information
			
<p>Farra Ciara</p> 	CTV	<p>Contact name: Vessel master Email: ciara@farramarine.com Phone : +44 (0) 7742 554 947</p>	<p>Call sign: VRUG4</p> <p>MMSI: 232039877</p>
<p>Farra Roisin</p> 	CTV	<p>Contact name: TBC Email: TBC Phone : TBC</p>	<p>Call sign: MODU3</p> <p>MMSI: 232049709</p>
<p>Manor</p> 	CTV	<p>Contact name: Vessel master Email: VENTURE@MRELTD.co.uk Phone: +4474073455854 Satcom: +442031290607</p>	<p>Call sign: MAW16 MMSI: 232007444</p>
<p>Largo</p>	CTV (Temporary Generator Refuelling)	<p>Contact name: Vessel Master Email: TBC Phone: TBC SAT com: TBC</p>	<p>Call sign: DLYQ</p> <p>MMSI: 211303540</p>

Vessel	Vessel Function	Vessel Contact Details	Vessel Information
 <p>© Frank-Peter Mecklenbeck MarineTraffic.com</p>			
<p>MCS Boreas</p>  <p>© Eddy Decorte MarineTraffic.com</p>	CTV (Temporary Generator Refuelling)	Captain Phone: +44 7876 861 748 VSAT Phone: +44 1475 830 689 Email: mcsboreas@maritimecraft.co.uk	Call sign: 2GDR8 MMSI: 235096501
<p>VOS Stone</p>  <p>© Hans-Peter Schneider MarineTraffic.com</p>	Crew Transfer & Walk to Work Vessel	Master VOS Stone Mobile: +31 629584362 V-Sat (Bridge): +88 858886069 Iridium (Bridge): +88 1677104825 E-mail: bridge@vosstone.fleetvroom.com	Call sign: PBMW MMSI: 244030181 IMO: 9730517
<p>Farra Cliona</p>  <p>© Hartma Heyken MarineTraffic.com</p>	CTV	TBC	Call sign: MNDD9 MMSI: 232046092 IMO: 9971343
<p>Windcat 19</p>  <p>© Peter Bechtel MarineTraffic.com</p>	CTV	TBC	Call sign: 2ATD3 MMSI: 235062747 IMO: NA
<p>Windcat 20</p>	CTV	TBC	Call sign: 2CQX8 MMSI: 235075026

Vessel	Vessel Function	Vessel Contact Details	Vessel Information
