

Date of issue:	10/08/2023
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Notice number:	157
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**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. Pile Installation (Section 3.2)
3. South Offshore Substation Commissioning (Section 3.3)
4. Foundation Drilling and Casing Installation (Section 3.4)
5. North Offshore Substation Commissioning (Section 3.5)
6. Inter Array Cables Installation Works (Section 3.6)
7. Repair Works of Temporary Navigation Lights on Offshore Wind Jacket (Section 3.7)
8. Turbine Installation (Section 3.8)

**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.

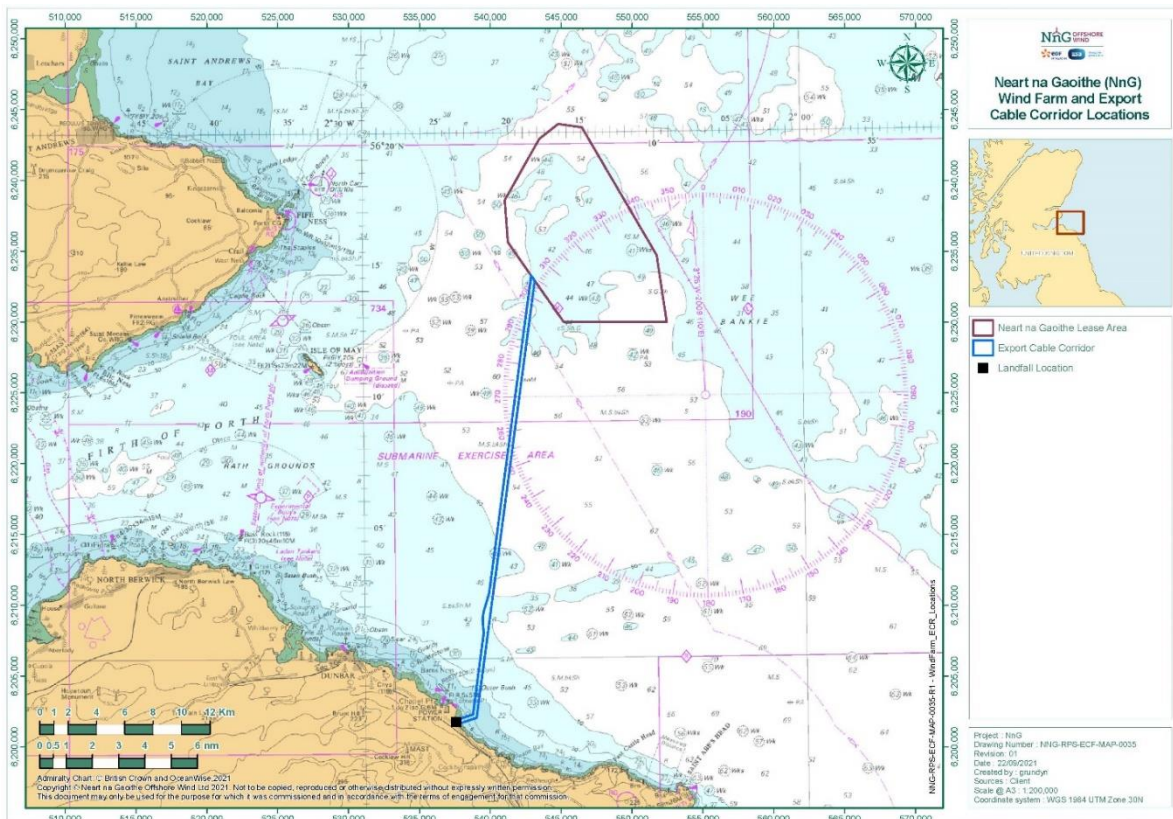


Figure 1 - Wind Farm Area and Export Cable

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

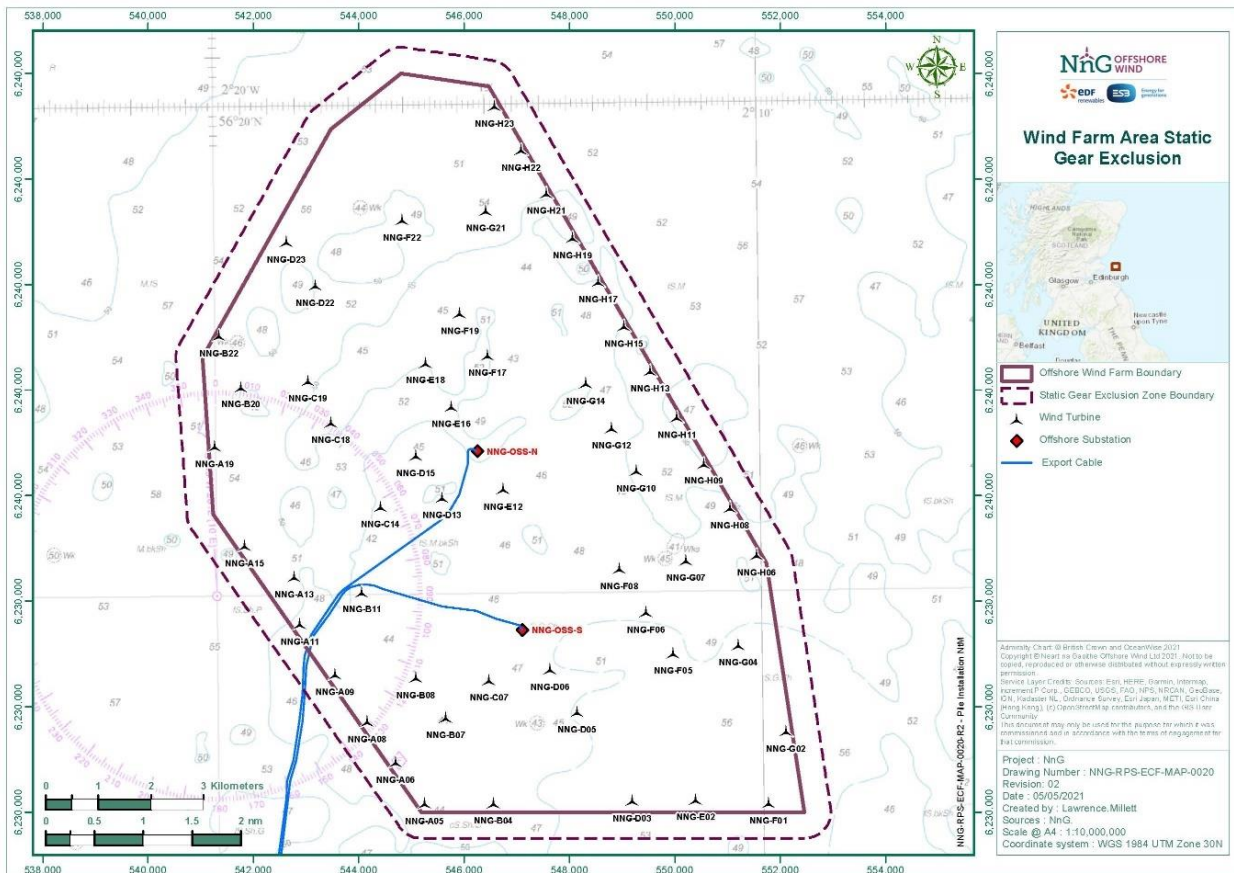


Figure 2 - Wind Farm Area Static Fishing Gear Exclusion

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. 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
NNG-D22	002° 18.135' W	56° 18.127' N	NNG-H17	002° 12.932' W	56° 18.134' N

ID	LONGITUDE (DD.MM.MMM)	LATITUDE (DD.MM.MMM)	TURBINE ID	LONGITUDE (DD.MM.MMM)	LATITUDE (DD.MM.MMM)
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

### 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	24/07/2023	14/08/2023	Wind Farm Area
Tranquillity	14/08/2023	04/09/2023	Wind Farm Area

#### 3.2 Pile Installation

Description (NtM 148 Rev 4.0)
In preparation for jacket substructure installation, three piles at each wind turbine location and offshore substation platform will be installed. The Saipem (S3000) (call sign: C6SW6) is installing piles into pre-drilled sockets. The <i>Normand Navigator</i> (call sign: LASG7) will transfer supporting materials and installation equipment between positions on the seabed adjacent to each foundation location. On arrival at each location, the S3000 will collect and utilise this wet-stored equipment during pile installation. Once the three piles have been positioned within the pre-drilled sockets, grout will be inserted to secure them in place.

Description (NtM 148 Rev 4.0)		
<p>The supply vessel <i>Rem Supporter</i> (call sign: 5BCN3), will be utilised to transport piles to NnG wind farm, as required. The 500m static fishing gear exclusion zone around the Wind Farm Area remains, as shown in Figure 2 and Table 2. Further details of the vessels involved in the works is provided in Section 7.2.</p>		
Vessels	Type / Role	Timescales
S3000	Installation Vessel	The pile installation work is anticipated to be completed in 2023.
Normand Navigator	Offshore Construction Vessel	
Rem Supporter	Offshore Supply Vessel	
Area		
<p>Project Location: Wind Farm Area, shown in Table 1 and Figure 1</p> <p>Operational Port: Blyth. On occasion the <i>S3000</i> will transit to a location near to the Isle of May to complete pile transfers from the <i>Rem Supporter</i>.</p>		

**3.3 South Offshore Substation Commissioning**

Description (NtM 177 Rev 9.0)		
<p><b>Mariners are advised that Neart na Gaoithe Offshore Wind Farm Limited (NnGOWL) that commissioning works of the South offshore substation is currently ongoing within the NnG Wind Farm Area.</b></p> <p>Personnel are being transported to and from the South OSS topside by Crew Transfer Vessel (CTV) the <i>Rix Lion</i> (call sign: 2HOH3).</p> <p>The <i>MMS Supreme</i> (call sign: 2HGZ5) vessel will be replacing the <i>MCS Kaver</i> vessel (call sign: 2GMB8) as additional crew transfer vessel, if required commencing 26<sup>th</sup> March 2023. Further details of the vessels involved in the works is provided in Section 8.3.</p>		
Vessels	Type / Role	Timescales
Rix Lion	CTV	OSS commissioning commenced in early June 2022 and will continue throughout 2023.
Area		
	LONGITUDE (DD.MM.MMM)	LATITUDE (DD.MM.MMM)
NNG-OSS-S	002° 14.395' W	56° 14.615' N

**3.4 Drilling and Casing Installation**

Description (NtM 178 Rev 5.0)
<p>Mariners are advised that Neart na Gaoithe Offshore Wind Farm Limited (NnGOWL) is conducting drilling operations and casing installation within the Neart Na Gaoithe (NnG) Wind Farm Area.</p>



Three sockets will be drilled into the seabed and three steel casings installed at each wind turbine location, to in turn enable pile and jacket installation. Ahead of drilling commencing, the S3000 (call sign: C6SW6) will place a subsea template on the seabed, to guide drilling. Drilling and casing installation will then be undertaken from the S7000 (call sign: C6NO5) which is replacing the Blue Tern (call sign: 9HA5208) from 28th April 2023. Drilling operations and casing installation will be supported from the Normand Navigator (call sign: LASG7). A platform supply vessel Rem Supporter (call sign: 5BCN3), is being utilised to transport equipment and casings during the campaign, as required. Further details of the vessels involved in the works is provided in Section 7.4.

Vessels	Type / Role	Timescales
S7000	Heavy Lift Vessel	The drilling and casing installation campaign is expected to continue through to 2023.
S3000	Installation Vessel	
Normand Navigator	OCV	
Rem Supporter	OSV	
Area		
Project Location: Wind Farm Area, shown in Table 1 and Figure 1		
Operational Port: Blyth.		

### 3.5 North Offshore (OSS-N) Substation Commissioning Works

Description (NtM 177 Rev 7.0)		
<p>Mariners are advised that Neart na Gaoithe Offshore Wind Farm Limited (NnGOWL) commenced commissioning of the North offshore substation topside within the Neart Na Gaoithe (NnG) Wind Farm Area.</p> <p>Commissioning activities for the North offshore substation commenced on the 15<sup>th</sup> of February 2023. The <i>VOS Stone</i> (call sign: PBMW) walk to work vessel is supporting the commissioning works. The contact details for the <i>VOS Stone</i> vessel have been updated.</p> <p>The <i>CTV Rix Lion</i> (call sign: 2HOH3) will continue to support the South offshore substation commissioning activities and will also support the North offshore substation commissioning activities as required.</p> <p>Further details of the vessels involved in the works is provided in Section 8.3.</p>		
Vessels	Type / Role	Timescales
Rix Lion	Crew Transfer Vessel	
Area		
Project Location: Wind Farm Area, shown in Table 1 and Figure 1		
Operational Port: Blyth. Upon adverse weather conditions, vessels will seek shelter either around Isle of May or within the Firth of Forth.		

### 3.6 Inter Array Cables Installation Works

Description (NtM 187 Rev 15.0)		
<p>Mariners are advised that Neart na Gaoithe Offshore Wind Farm Limited (NnGOWL) are due to commence a pre-lay grapnel run (PLGR) for inter-array cables within the Neart na Gaoithe Offshore Wind Farm site. <b>The PLGR is</b></p>		

Description (NtM 187 Rev 15.0)		
<p><b>expected to begin on the 4th of August, at the earliest. Cable lay is expected to commence on the 14<sup>th</sup> of August at the earliest.</b></p> <p>The PLGR will be completed by the vessel <i>Pacific Dispatch</i> (call sign: 9VFW6) using a grapnel towed from the vessel. The grapnel will be deployed to detect and remove surface debris located on the inter-array cable routes, and at the wind turbine and offshore substation topside locations. Debris caught by the grapnel will be recovered to deck and retained on board the vessel for disposal onshore. Should fishing gear be caught, efforts will be taken to identify ownership and return. The PLGR works are expected to be completed in 4 days.</p> <p><b>A Cable Lay Vessel, the <i>Viking Neptun</i> (call sign: LAYH7), will lay the inter-array cable onto the seabed for this second IAC campaign. Cable lay works are expected to commence on the 14<sup>th</sup> August at the earliest and take around 4 weeks to complete. The laid cables will be left unburied and unprotected on the seabed until October 2023.</b></p> <p><b>Cable pull-in and termination and testing works will take place from the <i>CF Explorer</i>, call sign (5BKK5), from the 20<sup>th</sup> August at the earliest and last around 7 days.</b></p> <p><b>Cable burial works are due to take place from the 1<sup>st</sup> October, from the vessel <i>Living Stone</i>, call sign (PBXN) and last around 6 weeks.</b></p>		
Vessels	Type / Role	Timescales
Pacific Dispatch	PLGR vessel	The PLGR is due to commence 4 <sup>th</sup> August and last around 4 days.
Viking Neptun	Cable lay vessel	Cable lay for the August campaign is expected to commence on the 14 <sup>th</sup> August and last around 4 weeks.
CF Explorer	Cable pull-in, termination and testing vessel	Cable pull-in and termination and testing activities are due to recommence on the 20 <sup>th</sup> August and continue throughout 2023.
Living Stone	Cable burial vessel	Cable burial is expected to commence on the 1 <sup>st</sup> October and last around 6 weeks.
Area		
Project Location: Wind Farm Area, shown in Table 1 and Figure 1		

### 3.7 Wind Turbine Jacket Installation

Description (NtM 183 Rev 8.0)
<p>Mariners are advised that Neart na Gaoithe Offshore Wind Farm Limited (NnGOWL) is due to commence the <b>third</b> phase of installation of offshore wind turbine jackets within the Neart Na Gaoithe (NnG) Wind Farm Area. <b>This phase of jacket installation works will begin on the 11<sup>th</sup> of August 2023 at the earliest.</b></p> <p>The <i>Thialf</i> vessel (call sign: 3EAA4) will install eleven three-legged jacket substructures onto pre-installed piles in the NnG Wind Farm Area. <b>The jackets will be brought directly to site from the location of fabrication by barges; <i>AMT Crusader</i>, <i>AMT Challenger</i>, <i>AMT CD-1</i>, <i>Ranbarge 1</i>, and the tug vessels <i>Atlantic Merlin</i> (call sign: XJBN), <i>Manta</i></b></p>

Description (NtM 183 Rev 8.0)		
<p>(call sign: ORKJ), Pacific Discovery (call sign: 9VFL8) and Maersk Handler (call sign: OYAX2) will be used to support the position of the HTVs during the lifting activities. Prior to jacket installation, the offshore support vessel the <i>Normand Sentinel</i> (call sign: LASC7) will undertake pile cleaning and pre-jacket installation visual survey via a Remotely Operated Vehicle.</p> <p>Following jacket installation, the <i>Normand Navigator</i> vessel (call sign: LASG7) will grout the pile-jacket connections.</p>		
Vessels	Type / Role	Timescales
Thialf	Installation vessel	Jacket installation works will be carried out from the 11 <sup>th</sup> of August 2023, at the earliest.
Normand Sentinel	Survey vessel	
AMT Crusader	Barge	
AMT Challenger	Barge	
AMT CD-1	Barge	
Ranbarge 1	Barge	
Atlantic Merlin	Tug Vessel	
Manta	Tug Vessel	
Pacific Discovery	Tug Vessel	
Maersk Handler	Tug Vessel	
Area		
<p>Project Location: Wind Farm Area, shown in Table 1 and Figure 1</p> <p>Operational Port: TBC</p>		

### 3.8 Wind Turbine Installation

Description (NtM 191 Rev 5.0)
<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 is due to begin 15th of July 2023, at the earliest.</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 Blue Tern vessel (call sign 9HA5208) and WTG commissioning will be carried out using the HST Swansea call sign (MNGM8). The following crew transfer vessels (CTV) will be supporting the turbine installation campaigns; Farra Ciara call sign (MKPT9) and Channel Chieftain VI call sign (9HB8741). Further details of the vessels involved in the works is provided in Section 7.8</p>



Description (NtM 191 Rev 5.0)		
Vessels	Type / Role	Timescales
Blue Tern	Installation vessel	Turbine Installation works will be carried out from the 7 <sup>th</sup> of July at the earliest.
HST Swansea	Commissioning vessel	
Farra Ciara	CTV	
Channel Chieftain VI	CTV	
Area		
Project Location: Wind Farm Area, shown in Table 1 and Figure 1		
Operational Port: Dundee		

**3.9 Inter Array Cable Installation (Pre Lay Grapnel Run Activities)**

Description (NtM 191 Rev 5.0)
<p>Mariners are advised that Neart na Gaoithe Offshore Wind Farm Limited (NnGOWL) are due to commence a pre-lay grapnel run (PLGR) for inter-array cables within the Neart na Gaoithe Offshore Wind Farm site. The PLGR is expected to begin on the 10th of August, at the earliest. Cable lay is expected to commence on the 24th of August at the earliest.</p> <p>The PLGR will be completed by the vessel Pacific Dispatch (call sign: 9VFW6) using a grapnel towed from the vessel. The grapnel will be deployed to detect and remove surface debris located on the inter-array cable routes, and at the wind turbine and offshore substation topside locations. Debris caught by the grapnel will be recovered to deck and retained on board the vessel for disposal onshore. Should fishing gear be caught, efforts will be taken to identify ownership and return. The PLGR works are expected to be completed in 4 days.</p> <p>A Cable Lay Vessel, the Viking Neptun (call sign: LAYH7), will lay the inter-array cable onto the seabed for this second IAC campaign. Cable lay works are expected to commence on the 24th August at the earliest and take around 4 weeks to complete. The laid cables will be left unburied and unprotected on the seabed until October 2023.</p> <p>Cable pull-in and termination and testing works will take place from the CF Explorer, call sign (5BKK5), from the 27th August at the earliest and last around 7 days.</p> <p>Cable burial works are due to take place from the 1st October, from the vessel Living Stone, call sign (PBXN) and last around 6 weeks.</p>

Description (NtM 191 Rev 5.0)		
Vessels	Type / Role	Timescales
Pacific Dispatch	Grapnel Tow Vessel	PLGR works to commence on 10 <sup>th</sup> August 2023, at the earliest. Cable lay works to commence on the 24 <sup>th</sup> August, at the earliest. Cable pull in and termination and testing works to commence 27 <sup>th</sup> August, at the earliest. Cable burial works to commence 1 <sup>st</sup> October, at the earliest.
Viking Neptune	Cable Lay vessel	
CF Explorer	Cable Pull In, T&T Vessel	
Living Stone	Cable Burial Vessel	
Area		
Project Location: Wind Farm Area, shown in Table 1 and Figure 1 Operational Port: Dundee		

#### 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](mailto:Nng.FLO@naturalpower.com). An Offshore Fisheries Liaison Officer is present on the *Saipem 3000* and can be contacted on Ch16. For any other general queries please contact [info@nngoffshorewind.com](mailto: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:	<a href="mailto:nng.mc@smchse.com">nng.mc@smchse.com</a>
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
<b>7.1 Guard Vessels</b>			
Tranquillity S 	Guard Vessel	Contact Name: David Spouse  Email: <a href="mailto:spousefishing@gmail.com">spousefishing@gmail.com</a>  Phone: 01890 530168	Call sign: MJUH9  IMO: N/A  MMSI: 235053837
Seagull 	Guard Vessel	Contact name: Vessel Master  Email: <a href="mailto:seagullbf74@gmail.com">seagullbf74@gmail.com</a>  Phone: +44 (0) 1261 878040 / +44 (0) 7895 919100	Call sign: MVBO2  IMO: 9112545  MMSI: 233714000
<b>7.2 Pile Installation</b>			
Saipem 3000 (S3000) 	Pile Installation	Contact name: Vessel Master  Email: <a href="mailto:captain.s3000@saipem.com">captain.s3000@saipem.com</a>  Phone: +39 02 010 24650	Call sign: C6SW6  IMO: 8309165  MMSI: 311516000
Normand Navigator	Type: Offshore Supply Vessel (OSV)  Function: Offshore	Contact name: Master of Normand Navigator  Email: <a href="mailto:master@navigator.solstad.com">master@navigator.solstad.com</a>  Phone (Iridium) : +881677102711	Call sign: LASG7  IMO: 9687356

Vessel	Vessel Function	Vessel Contact Details	Vessel Information
	Construction Support		MMSI: 257794000
Rem Supporter 	Type: Platform Supply Vessel (PSV)  Function: Transport supplies to NnG offshore wind farm.	Contact name: Master of Rem Supporter Email: captain@supporter.remoffshore.no Phone (FBB) : +870773946639	Call sign: 5BCN3  IMO: 9482330  MMSI: 209051000
<b>7.3 Offshore Substation Commissioning</b>			
Rix Lion 	CTV	Contact name: Ships Master (Will be rotated with shifts)  Email: <a href="mailto:rix.lion@rix.co.uk">rix.lion@rix.co.uk</a>  Phone: +447702 975599	Call sign: 2HOH3  IMO: 9745706  MMSI: 235105282
<b>7.4 Commencement of Drilling and Casing Installation</b>			
Saipem 7000 (S7000) 	Heavy Lift Vessel	Contact name: NnG Client Representative Email: S7000-Rep@nngoffshorewind.com	Call sign: C6NO5  IMO: 8501567  MMSI: 309461000
<b>7.5 Cable Installation for August IAC Campaign – Testing and Termination Works</b>			
Pacific Dispatch 	Anchor handling vessel	Contact name: TBC Email: TBC Phone: TBC	Call sign: MGCP8  MMSI: 232024430
Viking Neptun	Cable lay vessel	Contact name: Mobile Captain	Call sign: LAYH7

Vessel	Vessel Function	Vessel Contact Details	Vessel Information
 <p><small>© Edward Delmon MarineTraffic.com</small></p>		Email: <a href="mailto:Captain.VikingNeptun@deme-group.com">Captain.VikingNeptun@deme-group.com</a> / <a href="mailto:Bridge.VikingNeptun@deme-group.com">Bridge.VikingNeptun@deme-group.com</a> Phone: +4797469156	MMSI: 258789000
<b>CF Explorer</b>  <p><small>© Peter Gus Hoffmann MarineTraffic.com</small></p>	Cable pull-in, termination and testing vessel	TBC	Call sign: 5BKK5  MMSI: 209816000
<b>Living Stone</b>  <p><small>© David Mack MarineTraffic.com</small></p>	Cable burial vessel	TBC	Call sign: P BXN  MMSI: 244010952
<b>7.6 Cardinal Marker Buoy Repair Works</b>			
<b>Forth Engineer</b>  <p><small>© David Mack MarineTraffic.com</small></p>	Tug vessel	Contact name: TBC Email: TBC Phone: TBC	Call sign 2JHR8  MMSI: 235116011
<b>7.7 Commencement of Wind Turbine Installation</b>			
<b>Blue Tern</b>  <p><small>© Peter Beerljas MarineTraffic.com</small></p>	Installation vessel	Contact name: Blue Tern Master Email: <a href="mailto:master.bl@fredolsen.com">master.bl@fredolsen.com</a> Phone: +47 5100 5334 or +47 5120 6200	Call sign: 9HA5208  MSSI: 215644000
<b>HST Swansea</b>	Commissioning vessel	Contact details tbc	Call sign: MNGM8  MMSI: 232046426

Vessel	Vessel Function	Vessel Contact Details	Vessel Information
 <small>© Ashley Hunn MarineTraffic.com</small>			
 <small>© Hans-Peter Schroeder MarineTraffic.com</small>	CTV	Contact name: Vessel master Email: <a href="mailto:ciara@farramarine.com">ciara@farramarine.com</a> Phone : +44 (0) 7742 554 947	Call sign: VRUG4  MMSI: 232039877
 <small>© MARTIN PICK MarineTraffic.com</small>	CTV	Contact name: Vessel master Email: <a href="mailto:cc6@carlinboatcharters.com">cc6@carlinboatcharters.com</a> Phone : +44 (0) 7947 885 809	Call sign: DLYQ  MMSI: 9770347
<b>7.8 IAC Pre-Lay Grapnel Run &amp; Cable Lay (Aug Campaign)</b>			
 <small>© Bernar &amp; Delmont MarineTraffic.com</small>	Anchor Handling Vessel	Contact name: vessel master Email: <a href="mailto:pacific.dispatch@tdw.com">pacific.dispatch@tdw.com</a> Phone: TBC	Call sign: 9VFW6  MMSI: 564652000
 <small>© Bernar &amp; Delmont MarineTraffic.com</small>	Cable Lay Out Vessel	Contact name: Mobile Captain Email: <a href="mailto:Captain.VikingNeptun@deme-group.com">Captain.VikingNeptun@deme-group.com</a> / <a href="mailto:Bridge.VikingNeptun@deme-group.com">Bridge.VikingNeptun@deme-group.com</a> Phone : +47 9746 9156	Call sign: LAYH7  MMSI: 258789000
CF Explorer	Cable pull-in, termination and testing	TBC	Call sign: 5BKK5  MMSI: 209816000



Vessel	Vessel Function	Vessel Contact Details	Vessel Information
			
<p>Living Stone</p> 	Cable Burial Vessel	TBC	<p>Call sign: PBXN</p> <p>MMSI: 244010952</p>
<b>8.0 Wind Turbine Jacket Installation Campaign</b>			
<p>Thialf</p> 	Heavy Lift Vessel/ Crane Ship	<p>Contact name: Bridge Thialf</p> <p>Email: <a href="mailto:mate@thialf.hmc-heerema.com">mate@thialf.hmc-heerema.com</a></p> <p>Phone: +31 71 579 9006</p> <p>Fleet Broadband: +870 773 936 969</p>	<p>Call sign: 3EAA4</p> <p>MMSI: 353979000</p>
<p>AMT Crusader</p> 	WTG Jackets Transportation	Unmanned	Unmanned
<p>AMT Challenger</p> 	WTG Jackets Transportation	Unmanned	Unmanned
<p>AMT CD-1</p> 	WTG Jackets Transportation	Unmanned	Unmanned

Vessel	Vessel Function	Vessel Contact Details	Vessel Information
<p>RANBARGE 1</p> 	WTG Jackets Transportation	Unmanned	Unmanned
<p>Maersk Handler</p> 	Tug vessel	<p>Contact name: Captain                      E-mail: Handler@maersksupply.com                      Phone: UK Mobile: +44 (0) 7789 841 578                      DK Mobile: +45 52 52 82 26                      V-SAT: +45 89 88 60 18 - Bridge                      +45 89 87 08 91 - E.C.R.                      +45 89 87 08 90 - Captain                      FBB: +870 773 803 851</p>	<p>Call sign: OYAX2                       MMSI: 219025390</p>
<p>Atlantic Merlin</p> 	Tug vessel	TBC	<p>Call sign: XJBN                       MMSI: 316027612</p>
<p>Manta</p> 	Anchor Vessel	TBC	<p>Call sign: ORKJ                       MMSI: 205340000</p>
<p>Pacific Discovery</p> 	Tug Vessel	TBC	<p>Call sign: 9VFL8                       MMSI: 563761000</p>
<p>Normand Sentinel</p> 	Piling Grouting Vessel	<p>Contact name: Vessel Master                      E-mail: master@sentinel.solstad.com                      Phone: +4752859664</p>	<p>Call sign: LASC7                       MMSI: 257883000</p>