

Date of issue:	05/10/2023
Period covered:	27/09/2023 – 11/10/2023
Notice number:	164
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. 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. Turbine Installation (Section 3.7)
8. Inter Array Cable 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.

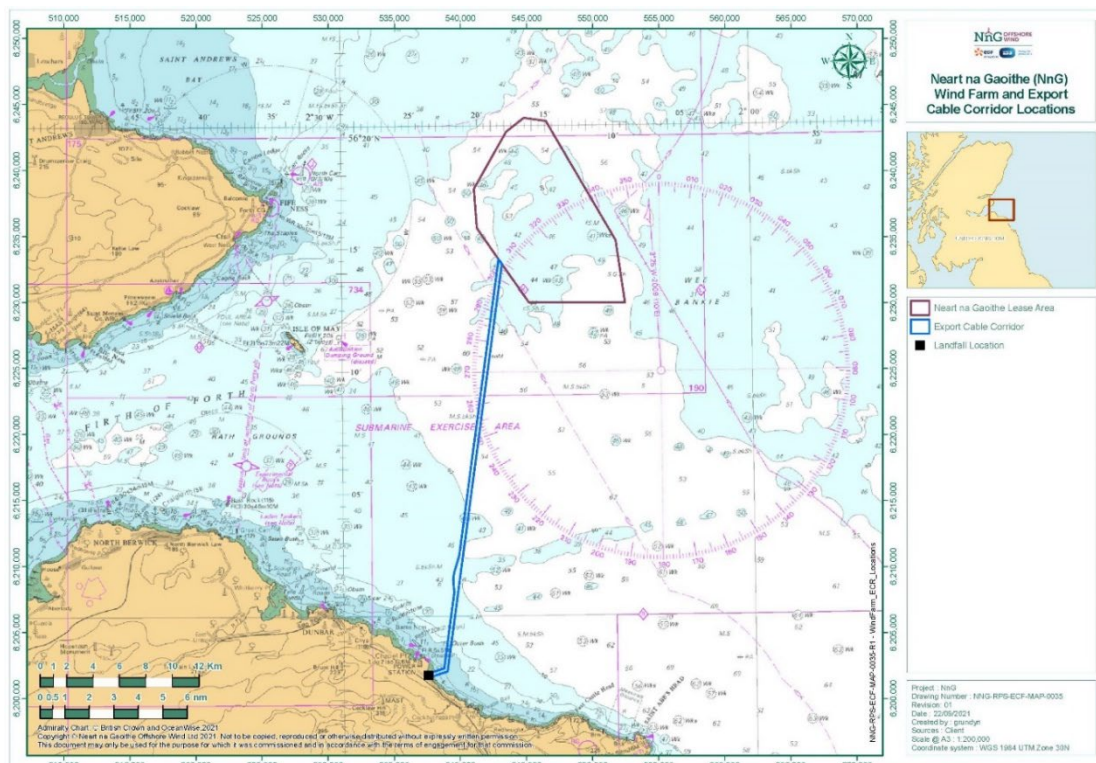


Figure 1 - Wind Farm Area and Export Cable

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

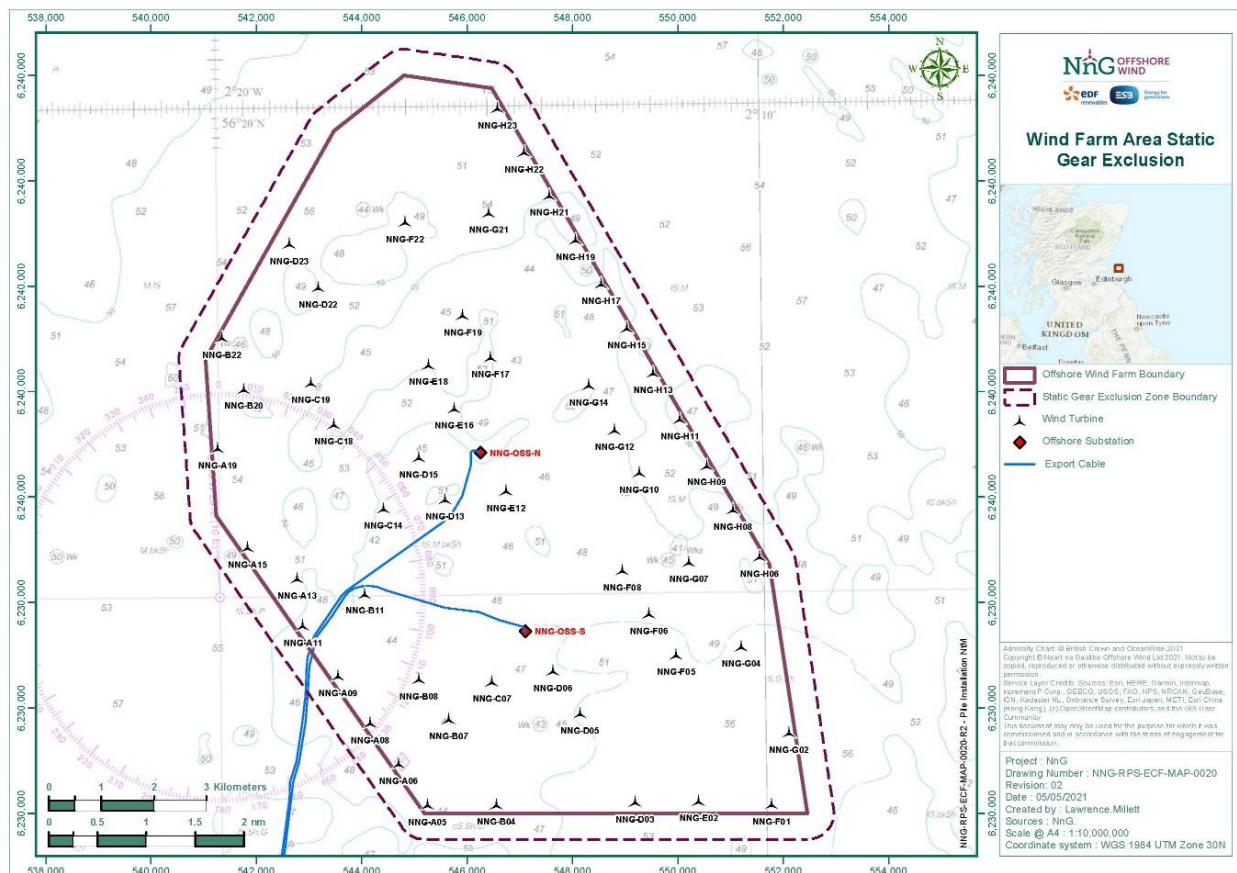


Figure 2 - Wind Farm Area Static Fishing Gear Exclusion

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. 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

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	15/10/2023	05/11/2023	Wind Farm Area
Tranquillity	25/09/2023	15/10/2023	Wind Farm Area

3.2 Pile Installation

Description (NtM 148 Rev 5.0)
<p>Mariners are advised that Neart na Gaoithe Offshore Wind Farm Limited (NnGOWL) is conducting pile installation within the Neart Na Gaoithe (NnG) Wind Farm Area.</p> <p>In preparation for the jacket foundation installation, three piles for each wind turbine location and offshore substation platform will be installed. The Saipem 3000 (S3000) (call sign: C6SW6) replaced the Balder (call sign: 3EWK) on 10th January 2023 and will install piles into pre-drilled sockets. The Normand Navigator (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</p>

Description (NtM 148 Rev 5.0)		
<p>pile installation. Once the three piles have been positioned within the pre-drilled sockets, grout will be inserted to secure them in place. The S7000 returned to NnG site on 7th of September to support piling activities before mobilising for the next jacket installation campaign in October 2023.</p> <p>The supply vessel Rem Supporter (call sign: 5BCN3), will be utilised to transport piles to NnG wind farm, as required. Further information on the vessel for each visit will be provided on the Vessel Report and Weekly Notice of Operations available at https://nngoffshorewind.com/resources/. 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.
S7000	Installation Support Vessel	
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 S3000 and S7000 will transit to a location near to the Isle of May to complete pile transfers from the Rem Supporter.</p>		

3.3 South Offshore Substation Commissioning

Description (NtM 177 Rev 9.0)								
<p>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.</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 26th 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								
<table border="1"> <thead> <tr> <th></th><th>LONGITUDE (DD.MM.MMM)</th><th>LATITUDE (DD.MM.MMM)</th></tr> </thead> <tbody> <tr> <td>NNG-OSS-S</td><td>002° 14.395' W</td><td>56° 14.615' N</td></tr> </tbody> </table>				LONGITUDE (DD.MM.MMM)	LATITUDE (DD.MM.MMM)	NNG-OSS-S	002° 14.395' W	56° 14.615' N
	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 6.0)		
<p>Mariners are advised that Neart na Gaoithe Offshore Wind Farm Limited (NnGOWL) has completed drilling activities within the Neart Na Gaoithe (NnG) Wind Farm Area. Casing installation is still ongoing.</p> <p>Three sockets were 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) placed a subsea template on the seabed, to guide drilling. Drilling installation activities have been completed by the S7000 (call sign:) on the 25th of August 2023. The Normand Navigator (call sign: LASG7) is currently supporting ongoing casing installation in 6 locations. Upon completion of drilling, seabed rectification works are being carried out from the S3000 vessel (call sign: C6NO5). A platform supply vessel Rem Supporter (call sign: 5BCN3), is being utilised to transport equipment and casings during the campaign, as required. A crew transfer vessel Forth Engineer (call sign: 2HAL3) will also support the campaign, as required.</p> <p>A subsequent NtM will be issued when casing installation has been completed in all locations.</p>		
Vessels	Type / Role	Timescales
S3000	Installation Vessel	The drilling activities have been completed and casing installation campaign is expected to continue through to 2023.
Normand Navigator	OCV	
Rem Supporter	OSV	
Area		
<p>Project Location: Wind Farm Area, shown in Table 1 and Figure 1</p> <p>Operational Port: Blyth.</p>		

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 15th 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>

Description (NtM 177 Rev 7.0)		
Vessels	Type / Role	Timescales
Rix Lion	Crew Transfer Vessel	
Area		
<p>Project Location: Wind Farm Area, shown in Table 1 and Figure 1</p> <p>Operational Port: Blyth. Upon adverse weather conditions, vessels will seek shelter either around Isle of May or within the Firth of Forth.</p>		

3.6 Inter Array Cables Installation Works

Description (NtM 187 Rev 19.0)
<p>Mariners are advised that Neart na Gaoithe Offshore Wind Farm Limited (NnGOWL) have completed the pre-lay grapnel run (PLGR) for inter-array cables within the Neart na Gaoithe Offshore Wind Farm site. The PLGR activities began on the 10th of August and were completed on the 14th of August. Cable lay is expected to commence on the 25th of August at the earliest.</p> <p>The PLGR was completed by the vessel <i>Pacific Dispatch</i> (call sign: 9VFW6) using a grapnel towed from the vessel. The grapnel was deployed to detect and remove surface debris located on the inter-array cable routes, and at the wind turbine locations. The <i>Pacific Dispatch</i> has left the NnG site.</p> <p>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 25th 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 <i>CF Explorer</i>, 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 <i>Living Stone</i>, call sign (PBXN) and last around 6 weeks.</p> <p>The crew transfer vessel; <i>MCS Boreas</i> has left site on the 15th of September 2023. The <i>Seazip 9</i> (call sign: PGYL) left the NnG site on the 3rd of October 2023 due to a breakdown and will be replaced by the crew transfer vessel <i>Iceni Defender</i> (call sign: MAND2) that will be supporting this campaign from the 6th October at the earliest.</p>

Description (NtM 187 Rev 19.0)		
Vessels	Type / Role	Timescales
Iceni Defender	Crew Transfer vessel	CTV to support cable installation and will be in field from the 5 th of October , at the earliest.
Viking Neptun	Cable lay vessel	Cable lay for the August campaign is expected to commence on the 14 th August and last around 4 weeks.
CF Explorer	Cable pull-in, termination and testing vessel	Cable pull-in and termination and testing activites are due to recommence on the 20 th August and continue throughout 2023.
Living Stone	Cable burial vessel	Cable burial is expected to commence on the 1 st 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 9.0)
<p>Mariners are advised that Neart na Gaoithe Offshore Wind Farm Limited (NnGOWL) is due to commence the third phase of installation of offshore wind turbine jackets within the Neart Na Gaoithe (NnG) Wind Farm Area. This phase of jacket installation works will commence on the 2nd of October 2023, at the earliest.</p> <p>10 three-legged jacket substructures will be installed onto pre-installed piles in the NnG Wind Farm Area. The jackets were brought directly to site from the location of fabrication by 3 barges:, AMT CD-1, Ranbarge 1, and AMT Crusader and the Heavy Transport Vessel (HTV) load carrier Xiang Rui Kou (call sign: B00N) will be supporting the lifting activities and the barges will be towed by tug vessels with an additional assist tug vessel to support, they are: tug vessels Atlantic Merlin (call sign: XJBN),the Maersk Handler (call sign: OYAX2) Atlantic Merlin (call sign:XJBN), Manta (call sign:ORKJ) and Princess (call sign:ORQU)</p> <p>Prior to jacket installation, the offshore support vessel the S3000 (call sign: C6SW6) will undertake pile cleaning and pre-jacket installation visual survey via a Remotely Operated Vehicle. the jackets will be installed by the S7000 (call sign: C6N05).</p> <p>Following jacket installation, the Normand Navigator (call sign: LASG7) will grout the pile-jacket connections.</p>

Description (NtM 183 Rev 9.0)		
Vessels	Type / Role	Timescales
Normand Navigator	Offshore supply vessel	Normand Navigator remains on site to grout pile- jacket connections.
S7000	Jacket Installation Vessel	Jacket installation is due to commence on the 2 nd of October and is expected to last until 27 th October, at the earliest.
S3000	Pile Cleaning and Pre-Jacket Installation Visual Survey	
XRK	Jacket Transportation Vessel	
CD-01	Barge	
Ranbargo 01	Barge	
AMT Crusader	Barge	
Atlantic Merlin	Tug Vessel	
Princess	Tug Vessel	
Manta	Tug Vessel	
Area		
Project Location: Wind Farm Area, shown in Table 1 and Figure 1		
Operational Port: Isle of May		

3.8 Wind Turbine Installation

Description (NtM 191 Rev 8.0)
<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 Millie vessel call sign (MOAN6) from the 16th September at the earliest. The <i>Farra Ciara</i> call sign (MKPT9) crew transfer vessel (CTV) and the <i>Manor Venture crew transfer vessel</i> (CTV) call sign (MAWI6) will be supporting the turbine installation campaigns. The <i>Green Storm</i> (call sign: 2EXU3) crew transfer vessel has been replaced by the <i>Farra Emer</i> (call sign: MNDD6) from the 4th of September 2023, at the earliest. The <i>Farra Emer</i> will be carrying out refuelling works for the WTG temporary generators and additional crew transfer support will be provided by the <i>Largo</i> vessel call sign (DLYQ) from the 1st October at the earliest. The <i>MCS Boreas</i> (call sign: 2GDR8) crew transfer vessel will be supporting the campaign from the 9th of October 2023.</p>

Description (NtM 191 Rev 8.0)		
Vessels	Type / Role	Timescales
Blue Tern	Installation vessel	Turbine Installation works will be carried out from the 7 th of July at the earliest.
Milie	Commissioning vessel	
Farra Ciara	CTV	
Manor	CTV	
Farra Emer	Refuelling Vessel	
Largo	Additional CTV support	
MCS Boreas	Additional CTV Support	
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. 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.




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 Gungreen 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 Pile Installation			
Saipem 3000 (S3000) 	Pile Installation	Contact name: Vessel Master Email: captain.s3000@saipem.com Phone: +39 02 010 24650	Call sign: C6SW6 IMO: 8309165 MMSI: 311516000
Saipem 7000	Pile Installation Support Vessel	Radio Room: +39 02 010 22850 Master: +39 02 010 22854	Call sign: C6N05

Vessel	Vessel Function	Vessel Contact Details	Vessel Information
		OCM: +39 02 010 22853	MMSI: 309461000 IMO: 8501567
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
7.3 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
7.4 Cable Installation for August IAC Campaign			
Iceni Defender 	Crew Transfer Vessel	Captain Phone: tbc VSAT Phone: tbc Email: tbc	Call sign: MAND2 MMSI: 232005975
Viking Neptun 	Cable lay vessel	Contact name: Mobile Captain Email: Captain.VikingNeptun@deme-group.com / Bridge.VikingNeptun@deme-group.com Phone: +4797469156	Call sign: LAYH7 MMSI: 258789000
CF Explorer	Cable pull-in, termination	TBC	Call sign: 5BKK5

Vessel	Vessel Function	Vessel Contact Details	Vessel Information
 © Peter Juss Hoffmann MarineTraffic.com	and testing vessel		MMSI: 209816000
Living Stone  © David Meek MarineTraffic.com	Cable burial vessel	TBC	Call sign: PBXN MMSI: 244010952
7.5 Commencement of Wind Turbine Installation			
Blue Tern  © Peter Juss Hoffmann MarineTraffic.com	Installation vessel	Contact name: Blue Tern Master Email: master.blr@fredolsen.com Phone: +47 5100 5334 or +47 5120 6200	Call sign: 9HA5208 MSSI: 215644000
HST Millie  © Emerson Waite MarineTraffic.com	Commissioning vessel	Tel: +44 7715 637335 Email: HSTMillie@Puruuswind.com	Call sign: MOAN6 MMSI: 232048990
Farra Ciara  © Hans-Peter Schroeder MarineTraffic.com	CTV	Contact name: Vessel master Email: ciara@farramarine.com Phone : +44 (0) 7742 554 947	Call sign: VRUG4 MMSI: 232039877
Farra Emer	CTV	Contact name: Vessel Master Email: emer@farramarine.com Phone : +44 (0) 7923 971 488	Call sign: MNDD6

Vessel	Vessel Function	Vessel Contact Details	Vessel Information
 <p>© John Pegden MarineTraffic.com</p>		SAT com: +353 1 485 4730	MMSI: 232046091
<p>Manor</p>  <p>© Michael Thomas MarineTraffic.com</p>	CTV	Contact name: Vessel master Email: VENTURE@MRELTD.co.uk Phone: +4474073455854 Satcom: +442031290607	Call sign: MAWI6 MMSI: 232007444
<p>Largo</p>  <p>© Frank-Peter Mecklenbeck MarineTraffic.com</p>	CTV (Temporary Generator Refuelling)	Contact name: Vessel Master Email: TBC Phone: TBC SAT com: TBC	Call sign: DLYQ MMSI: 211303540
<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
7.6 Wind Turbine Jacket Installation Campaign			
<p>Normand Navigator</p>  <p>© Linda Johnson MarineTraffic.com</p>	Piling Grouting Vessel	Contact name: Master of Normand Navigator Email: master@navigator.solstad.com Phone (Iridium) : +881677102711	Call sign: LASG7 IMO: 9687356 MMSI: 257794000

Vessel	Vessel Function	Vessel Contact Details	Vessel Information
Saipem 7000 (S7000) 	Jacket Installation Vessel	Radio Room: +39 02 010 22850 Master: +39 02 010 22854 OCM: +39 02 010 22853	Call sign: C6N05 IMO: MMSI: 309461000
Saipem 3000 (S3000) 	Pile Cleaning	Contact name: Vessel Master Email: captain.s3000@saipem.com Phone: +39 02 010 24650	Call sign: C6SW6 MMSI: 311516000
XRK 	Jacket Transportation Vessel	Contact name: Xiang Rui Kou Master Email: master.xiangruikou@coscol.amosconnect.com semisub.cssc@coscoshipping.com Phone: 870-773800725, 881-677735616, 1-281-886-5173	Call sign: BOON MMSI: 414017000 IMO: 9483102
CD-01 	Barge	Unmanned	Unmanned
Ranbarge 	Barge	Unmanned	Unmanned
Atlantic Merlin 	Support Vessel	Contact name: Atlantic Merlin Master E-mail: master.atlanticmerlin@atlantictowing.com Phone: +44 (0) 7944 590779	Call sign: XJBN MMSI: 316027612 IMO: 9557458
AMT Crusader 	Support Vessel	TBC	IMO: 9557719

Vessel	Vessel Function	Vessel Contact Details	Vessel Information
			
Princess 	Anchor vessel	Contact name: Princess Bridge E-mail: princess-bridge@boskalis.com Phone: +31 6 270 728 37; +47 236 704 41; +870 773 944 187	Call sign: ORQU MMSI: 205642000 IMO: 9242766
Manta 	Tug vessel	Contact name: Manta Master E-mail: manta-bridge@boskalis.com Phone: +47 2367 4790	Call sign: ORKJ MMSI: 205340000