

Date of issue:	29/06/2023
Period covered:	21/06/2023 – 05/07/2023
Notice number:	151
Author:	Michelle Elliott (michelle.elliott@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. Repair Works of Temporary Navigation Lights on Offshore Wind Jacket (Section 3.7)
8. Jacket Installation (Section 3.8)
9. Site Investigation Works

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.

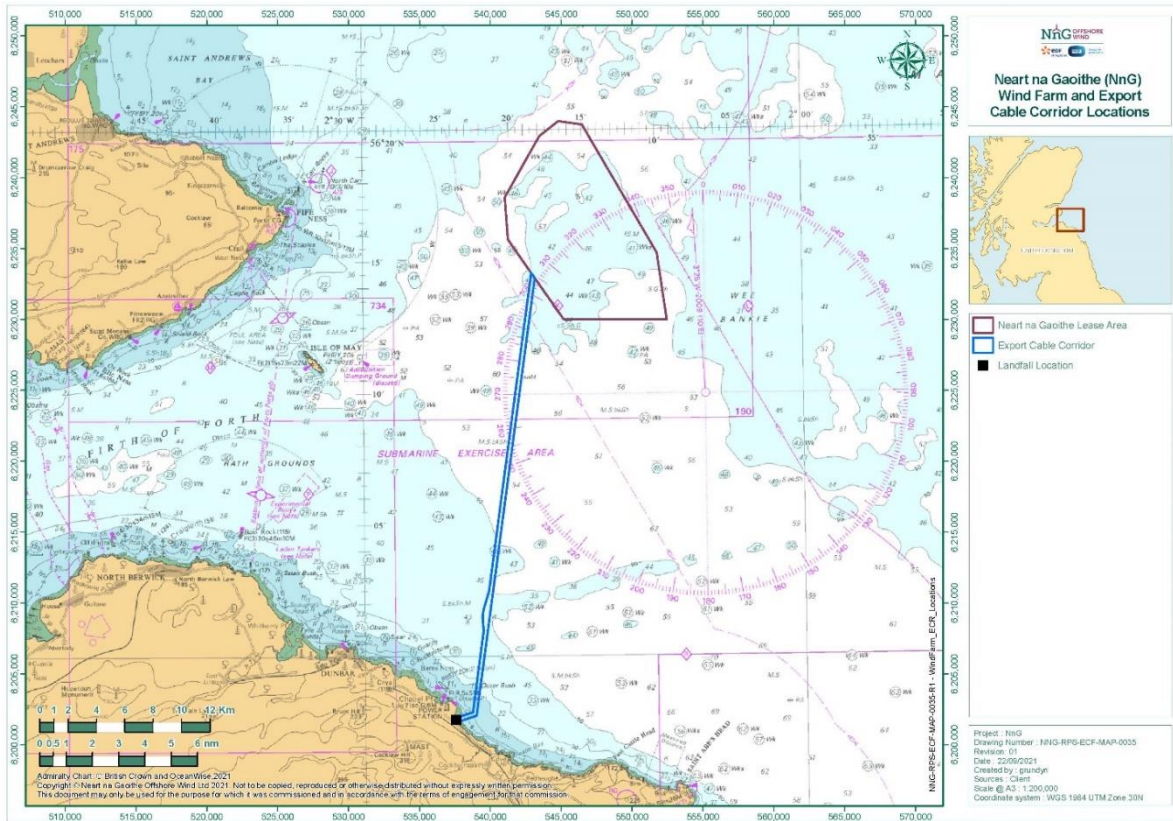


Figure 1 - Wind Farm Area and Export Cable

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

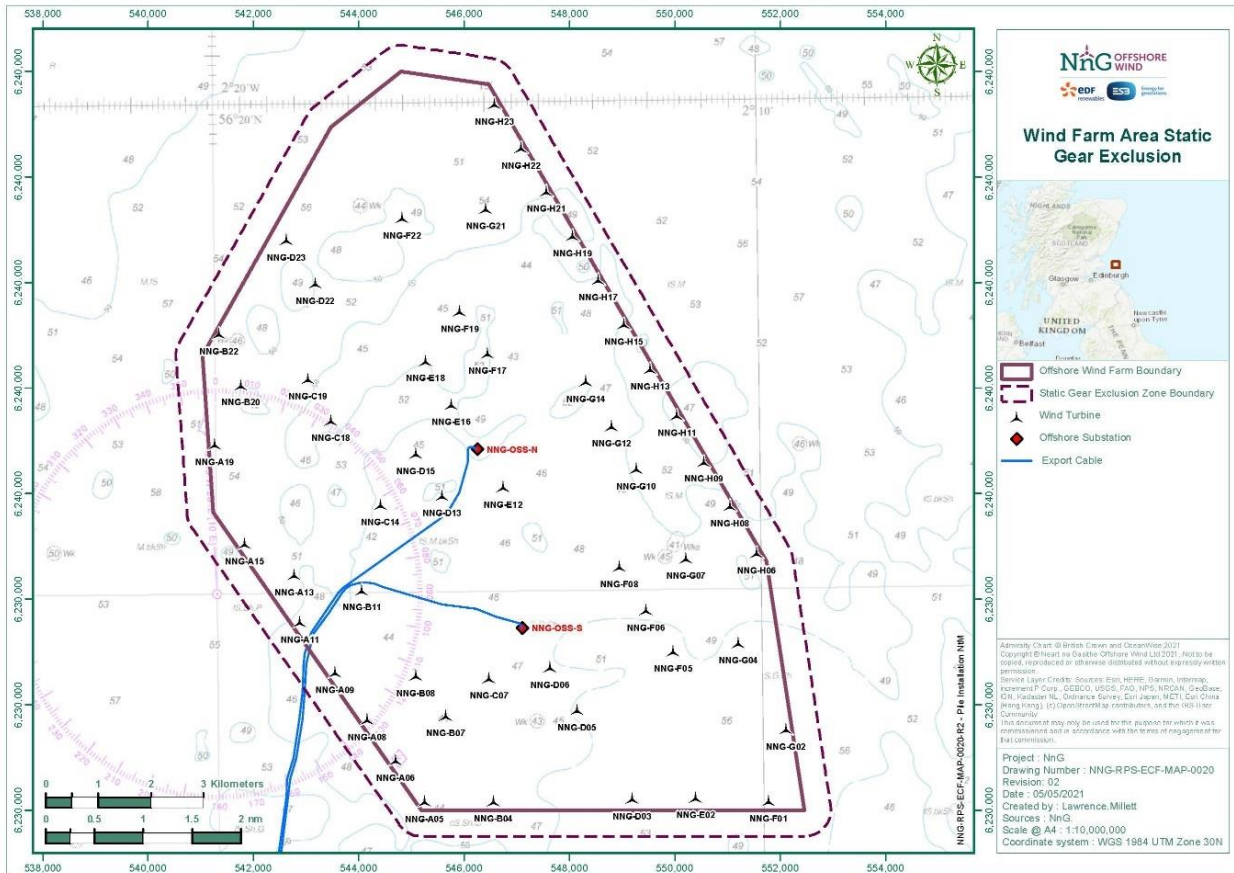


Figure 2 - Wind Farm Area Static Fishing Gear Exclusion

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
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 Completion of Repair Works on NnG Cardinal Buoys

Description (NtM 185 Rev 5.0)		
<p>Mariners are advised that the lights and AIS on all the cardinal marker buoys (North, South, East and West) located around the boundaries of the Neart na Gaoithe Offshore Wind Farm and surrounding waters are now operational. Repair works were completed on the 5th of June, using the Cameron vessel (call sign: MYEK6).</p>		
Vessels	Type / Role	Timescales
Cameron	Mooring Vessel	Repair works were completed on the 5 th of June 2023.
Area		
<p>Project Location: Wind Farm Area, shown in Table 1 and Figure 1 Operational Port: Burntisland, UK.</p>		

Description (NtM 182 Rev 5.0)		
<p>Mariners are advised that maintenance works have been completed on the North and South Triaxys Waverider Buoys within the boundaries of the Neart na Gaoithe Offshore wind Farm. The work took place using the Forth Warrior (Call sign: 2JHR8). T. The works were completed Thursday 8th June 2023.</p>		
Vessels	Type / Role	Timescales
Forth Warrior	Tug Vessel	Repair works were completed on the 8 th of June 2023.
Area		
<p>Project Location: Wind Farm Area, shown in Table 1 and Figure 1 Operational Port: Burntisland, UK.</p>		

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	04/06/2023	25/06/2023	Wind Farm Area
Tranquillity	25/06/2023	16/07/2023	Wind Farm Area

3.2 Pile Installation

Description (NtM 148 Rev 4.0)		
<p>In preparation for jacket substructure installation, three piles at each wind turbine location and offshore substation platform will be installed. The Saipem (<i>S3000</i>) (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 <i>S3000</i> 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.</p> <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>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.
MMS Supreme	CTV	
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> <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.</p>		
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		
<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 VOS Stone (call sign: PBMW) walk to work vessel is supporting the commissioning works. The contact details for the VOS Stone vessel have been updated.</p> <p>The CTV <i>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>		

Description (NtM 177 Rev 7.0)		
Further details of the vessels involved in the works is provided in Section 8.3.		
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 10.0)
<p>Mariners are advised that Neart na Gaoithe Offshore Wind Farm Limited (NnGOWL) have completed cable lay out for the first campaign of six inter-array cables, and one interconnector between the two offshore substations (OSS), within the Neart na Gaoithe Offshore Wind Farm site. The works began on the 12th April and were completed on the 30th April. Testing and termination activities are now complete.</p> <p>A Cable Lay Vessel, the <i>Viking Neptun</i> (call sign: LAYH7), laid the inter-array cable onto the seabed following the sequence shown in Figure 2 and Table 2. The same operation was repeated at all locations including the interconnector between the two OSS. The inter-array cables are connected to the substations in 6 loops (3 per OSS), whereas a single interconnector connects OSS-S to OSS-N. The laid inter-array and interconnector cables were pulled in at the jackets and/or substations and will be left unburied on the seabed until the second installation campaign.</p> <p>Testing and termination activities are complete and the <i>HST Swansea</i> crew transfer vessel (call sign: MNGM8) has left the site. The <i>Notus</i> walk to work vessel (call sign: OXDR2) remains on site to support the ongoing OSS commissioning activities. This is the first campaign of inter-array cables lay out. Future campaigns will commence between July and November 2023. Cables laid in subsequent campaigns are expected to be buried immediately following installation. Further information about these campaigns will be issued in subsequent NtMs.</p> <p>Further details of the vessels involved in the works is provided in Section 7.4.</p>

Description (NtM 187 Rev 10.0)		
Vessels	Type / Role	Timescales
Notus	Walk to work vessel	Cable installation works commenced on the 12 th of April 2023.
Area		
Project Location: Wind Farm Area, shown in Table 1 and Figure 1		

3.7 Repair Works of Temporary Navigation Lights on Offshore Wind Turbine Jacket

Description (NtM 186 Rev 3.0)		
<p>Mariners are advised that the temporary navigation light (FI Y 2.5S light) on wind turbine jacket WTG-04 (A09) located within the boundaries of the Neart na Gaoithe Offshore Wind Farm is currently not operational.</p> <p>Repair works will be carried out from the 11th of May, at the earliest using the Windcat 20 vessel (call sign: 2CQX8) and is expected to last for 2 weeks, weather dependant.</p>		
Vessels	Type / Role	Timescales
Windcat 20	Remedial Works vessel	Repair works will be carried out from the 11 th of May, at the earliest.
Area		
Project Location: Wind Farm Area, shown in Table 1 and Figure 1		
Operational Port: TBC		

3.8 Wind Turbine Jacket Installation

Description (NtM 183 Rev 5.0)		
<p>Mariners are advised that Neart na Gaoithe Offshore Wind Farm Limited (NnGOWL) is due to commence the second phase of installation of offshore wind turbine jackets within the Neart Na Gaoithe (NnG) Wind Farm Area. The work is due to begin 5th of June 2023, at the earliest.</p> <p>22 three-legged jacket substructures will be installed onto pre-installed piles in the NnG Wind Farm Area. The jackets will be brought directly to site from the location of fabrication by 4 barges: <i>AMT Crusader</i>, <i>AMT Challenger</i>, <i>AMT CD-1</i>, <i>Ranbarge 1</i>, and one assist tug vessel <i>Blygia</i>. The Heavy Transport Vessel (HTV) load carrier <i>Xin Yao Hua</i> (call sign 5LCD7) will be supporting the lifting activities and the jackets will be installed by the <i>Thialf</i> (call sign: 3EAA4).</p>		

Description (NtM 183 Rev 5.0)		
<p>The tug vessels <i>Maersk Handler</i> (call sign: OYAX2) <i>Fram Prince</i> (call sign: 5BZS5), <i>Boskalis Princess</i> (call sign: ORQU) and <i>ALP Sweeper</i> (call sign: PDDF) will be used to support the position of the HTVs during the lifting activities and is expected on site 5th of June 2023, at the earliest.</p> <p>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. Following jacket installation, the <i>Normand Sentinel</i> will grout the pile-jacket connections.</p> <p>Further details of the vessels involved in the works is provided in Section 7.8</p>		
Vessels	Type / Role	Timescales
Thialf	Heavy lift vessel / crane ship	Repair works will be carried out from the 5 th of June at the earliest.
Xin Yao Hua	Heavy transport vessel	
AMT Crusader	Barge	
AMT Challenger	Cargo barge	
CD1	Barge	
Ranbarge 1	Barge	
Maersk Handler	Anchor vessel (Tug vessel)	
Fram Prince	Anchor vessel (Tug vessel)	
Boskalis Princess	Anchor vessel (Tug vessel)	
Bylgia	Anchor vessel (Tug vessel)	
Normand Sentinel	Assistance to Cargo Barge Mooring	
Area		
<p>Project Location: Wind Farm Area, shown in Table 1 and Figure 1</p> <p>Operational Port: TBC</p>		

3.9 Site Investigation Works – MBES Bathymetry Survey

Description (NtM 190 Rev 1.0)
<p>Mariners are advised that Neart na Gaoithe Offshore Wind Farm Limited (NnGOWL) are due to conduct a bathymetry survey at the WTG locations within the Neart na Gaoithe Offshore Wind Farm site. The works are due to begin on the 9th of June, at the earliest.</p> <p>The MBES bathymetry survey will be completed by the vessel <i>Kommandor Iona</i> (call sign: GAAK). The MBES survey works are due to begin on the 9th of June, at the earliest are estimated to last 14 days.</p>

Further details of the vessels involved in the works is provided in Section 7.9		
Vessels	Type / Role	Timescales
Kommandor Iona	Survey Vessel	The survey work is due to begin on the 9 th June at the earliest and is estimated to last 14 days. .
Area		
Project Location: Wind Farm Area, shown in Table 1 and Figure 1		
Operational Port: Leith		

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 it 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 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 k 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
Normand Navigator 	Type: Offshore Supply Vessel (OSV) Function: Offshore Construction Support	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
<p>Rem Supporter</p>  <p><small>© Jan Saetico MarineTraffic.com</small></p>	<p>Type: Platform Supply Vessel (PSV)</p> <p>Function: Transport supplies to NnG offshore wind farm.</p>	<p>Contact name: Master of Rem Supporter Email: captain@supporter.remoffshore.no Phone (FBB) : +870773946639</p>	<p>Call sign: 5BCN3</p> <p>IMO: 9482330</p> <p>MMSI: 209051000</p>
7.3 Offshore Substation Commissioning			
<p>Rix Lion</p> 	<p>CTV</p>	<p>Contact name: Ships Master (Will be rotated with shifts)</p> <p>Email: rix.lion@rix.co.uk</p> <p>Phone: +447702 975599</p>	<p>Call sign: 2HOH3</p> <p>IMO: 9745706</p> <p>MMSI: 235105282</p>
7.4 Commencement of Drilling and Casing Installation			
<p>Saipem 7000 (S7000)</p>  <p><small>MarineTraffic.com</small></p>	<p>Heavy Lift Vessel</p>	<p>Contact name: NnG Client Representative Email: S7000-Rep@nngoffshorewind.com</p>	<p>Call sign: C6N05</p> <p>IMO: 8501567</p> <p>MMSI: 309461000</p>
7.5 PLGR Works and Cable Installation for April IAC Campaign			
<p>Notus</p>  <p><small>© Wolfgang Pfapp MarineTraffic.com</small></p>	<p>Walk to work vessel</p>	<p>Contact name: Mobile Captain</p> <p>Phone: +45 6033 5019/ +881 6417 06619</p> <p>Email: Master.notus@tsmvessel.com</p>	<p>Call sign: OXDR2</p> <p>IMO: 9186601</p> <p>MMSI: 219812000</p>
7.6 Cardinal Marker Buoy Repair Works			

Vessel	Vessel Function	Vessel Contact Details	Vessel Information
<p>Forth Engineer</p> 	Tug vessel	Contact name: TBC Email: TBC Phone: TBC	Call sign: 2JHR8 MMSI: 235116011
7.7 Repair Works on WTG Jacket Temporary Lights (AIS)			
<p>Windcat 20</p> 	Remedial Works Vessel	Contact name: Vessel Master Email: brussell@windcatworkboats.com Phone: +44 (0) 7788 154 770	Call sign: 2CQX8 MMSI: 235075026
7.8 Wind Turbine Jackets Jacket Installation			
<p>Thialf</p> 	Heavy lift vessel / crane ship	Contact name: Bridge Thialf Email: mate@thialf.hmc-heerema.com Phone: +31 71 579 9006 Fleet Broadband: +870 773 936 969	Call sign: 3EAA4 MMSI: 353979000
<p>Xin Yao Hua</p> 	Heavy transport vessel	Contact name: Xin Guang Hua Master Email: master.xinguanghua@coscol.amosconnect.com semisub.cssc@coscoshipping.com Phone: 86-021-36815349; 881-677735221	Call sign: VRUG4 MMSI: 477723600
<p>AMT Crusader</p> 	Barge	Unmanned	N/A
<p>AMT Challenger</p>	Cargo barge	Unmanned	N/A

Vessel	Vessel Function	Vessel Contact Details	Vessel Information
			
CD1 	Barge	Unmanned	N/A
Ranbarge 1 	Barge	Unmanned	N/A
Maersk Handler 	Anchor vessel (Tug vessel)	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	Call sign: OYAX2 MMSI: 219025390
Fram Prince 	Anchor vessel (Tug vessel)	Contact name: Fram Prince Bridge E-mail: bridge@sayan-prince.osm.no Phone: VSAT +47 233 97 353	
Boskalis Princess 	Anchor vessel (Tug 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

Vessel	Vessel Function	Vessel Contact Details	Vessel Information
<p>ALP Sweeper</p>  <p><small>© Etienne Verberckmoes MarineTraffic.com</small></p>	Anchor vessel (Tug vessel)	<p>Contact name: Sweeper Bridge</p> <p>E-mail: bridge.sweeper@alpmaritime.com</p> <p>Phone: +1 904 414 8664, +31 6 8366 8355</p>	<p>Call sign: PD</p> <p>DF</p> <p>MMSI: 244870439</p>
<p>Bylgia</p>  <p><small>© Jack Ronalds MarineTraffic.com</small></p>	Assistance to Cargo Barge Mooring	<p>Contact name: Bylgia Bridge</p> <p>E-mail: bridge@bylgia.hmc-heerema.com</p> <p>Phone: +31 71 579 8501</p> <p>Fleet Broadband: +88 162 144 1384</p>	<p>Call sign: PBMQ</p> <p>MMSI: 244740210</p>
<p>Normand Sentinel</p> 	Pile Grouting Vessel	<p>Contact name: Vessel Master</p> <p>E-mail: master@sentinel.solstad.com</p> <p>Phone: +4752859664</p>	<p>Call sign: LASC7</p> <p>MMSI: 257883000</p>
7.9 Site Investigation Works – MBES Bathymetry Survey			
<p>Kommandor Iona</p>  <p><small>© James Duffy MarineTraffic.com</small></p>	Survey Vessel	<p>Contact name: Vessel Master</p> <p>Email: pc.kiona@fugro.com</p> <p>Phone: +44 7557177768</p> <p>Bridge: +44 1224085571</p>	<p>Call sign: GA</p> <p>AK</p> <p>MSSI: 235003070</p>
8.0 NnG Waverider Buoys Maintenance Works			
<p>Forth Warrior</p>  <p><small>© David Hunt MarineTraffic.com</small></p>	Tug Vessel	<p>Contact name: Iain Buchanan</p> <p>Email: mvdummer@briggsmarine.com</p> <p>Phone: +44 (0) 7909 254 184</p>	<p>Call sign: 2JHR8</p> <p>MMSI: 235116011</p> <p>IMO: 9803742</p>
8.1 Repair Works Completion for NnG Cardinal Buoys			

Vessel	Vessel Function	Vessel Contact Details	Vessel Information
<p>Cameron</p>  <p><small>© John Holmes MarineTraffic.com</small></p>	<p>Mooring Vessel</p>	<p>Contact name: Saul King Phone: +44 (0) 7715 496 078</p>	<p>Call sign: MYEK6 MMSI: 232004102</p>