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Construction of the Neart na Gaoithe Offshore Wind Farm is expected to commence on 09/08/2020. This notice will be 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, preferably well in advance of each construction activity.

Neart na Gaoithe Offshore Wind Limited (NnGOWL) is developing the Neart na Gaoithe Offshore Wind Farm, located to the northeast of the Firth of Forth, 15.5 km directly east of Fife Ness on the east coast of Scotland (see Figure 1 below; not to be used for navigation). The Wind Farm Area covers approximately 105 km² and within in there will be 54 offshore wind turbines and two offshore substation platforms, installed upon jacket support structures. The generated power will be transmitted to the national grid network via two subsea export cables located within a 300 m wide Offshore Export Cable Corridor, running in an approximately southwest direction from the Wind Farm Area, making landfall at Thorntonloch beach to the south of Torness Power Station in East Lothian. The Wind Farm Area is outlined in red and the Export Cable Corridor in blue in the map below. Details of location of work activities within this area will be provided as work progresses.

Current works include pre-construction seabed preparation, which commenced on the 1st January 2020, are as follows:

- Guard vessel duties (detailed in this notice); and
- Boulder/debris clearance (in the wind farm area and export cable corridor).

Construction of the Neart na Gaoithe Offshore Wind Farm is due to commence on 9th August 2020, with the start of casing and pile installation operations on the wind farm site.

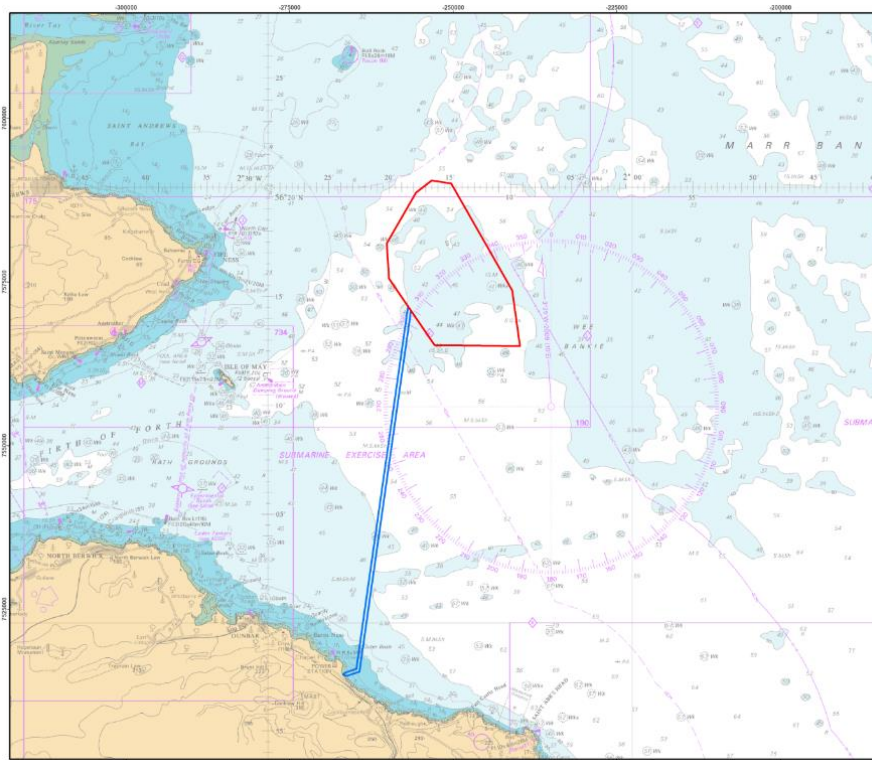


Figure 1 Neart na Gaoithe (NnG) Offshore Wind Farm area and Export Cable Corridor

1 Marine Coordination Contact Details

The NnG Marine Coordination Centre can provide more information if required, using the contact details in Table 1. Please note that specific queries can also be addressed to the relevant vessel or shore-based representative.

Table 1 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

2 Completed Operations

2.1 Deployment of Construction Navigation Markers

NnGOWL has completed the deployment of nine construction marker buoys demarcating the NnG Offshore Wind Farm Area. The marker buoys will remain in place until after construction of the NnG Offshore Wind Farm is complete. The co-ordinates for the as-built marker buoys are provided in Table 2 below.

Table 2 NnG Offshore Wind Construction Navigation Buoyage

Name	Coordinates (WGS 84)	
	Longitude (DDM)	Latitude (DDM)
NNG N - North Cardinal - Quick (Q) white light character	002° 14.616' W	56° 20.424' N
NNG E - East Cardinal - Q (3) 10 s white light character	002° 08.557' W	56° 14.329' N
NNG S - South Cardinal - Q (6) + Long (L) FL 15 s white light character	002° 09.760' W	56° 12.293' N
NNG W - West Cardinal - Q (9) 15 s white light character	002° 21.083' W	56° 17.057' N
SP1 - Special Mark - Fl Y 5s light character	002° 12.075' W	56° 18.180' N
SP2 - Special Mark - Fl Y 5s light character	002° 09.329' W	56° 15.643' N
SP3 - Special Mark - Fl Y 5s light character	002° 15.797' W	56° 12.294' N
SP4 - Special Mark - Fl Y 5s light character	002° 18.974' W	56° 14.039' N
SP5 - Special Mark - Fl Y 5s light character	002° 18.951' W	56° 18.924' N

3 Ongoing Operations

3.1 Boulder/debris Clearance Operations

Table 3 Details of Boulder/debris Clearance Operations

Contractor:	Helix Robotic Solutions Ltd (and Hughes Subsea Services Ltd)
Scope of operation:	Helix Robotic Solutions Ltd have been contracted to clear boulders / debris from all Construction Zones. Construction Zones include; <ul style="list-style-type: none"> - Subsea Template (SST) position at each Wind Turbine Generator (WTG) / Offshore Substation (OSS) location - Jack-Up Vessel (JUV) footprint at each WTG location - Inter-Array Cable (IAC) & Inter-connector Cable Routes - Export Cable Route (ECR) - Nearshore Clearance Area
Area of operation:	Offshore Windfarm (OWF) / Export Cable Route (ECR)
Dates of operation:	January 2020 – January 2021
Vessels supporting operation:	FS Kristiansand World Peridot Forth Guardsman Wavedancer 2

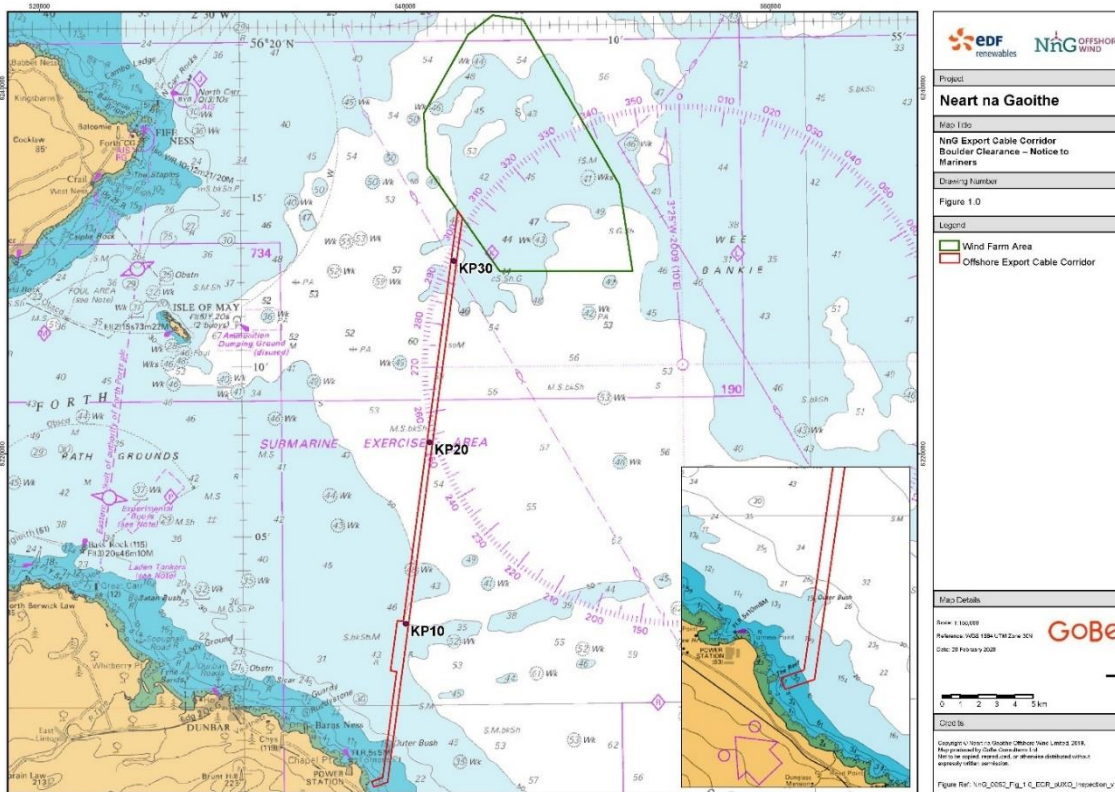


Figure 2 Area of boulder clearance operations; Wind Farm Area and Export Cable Corridor

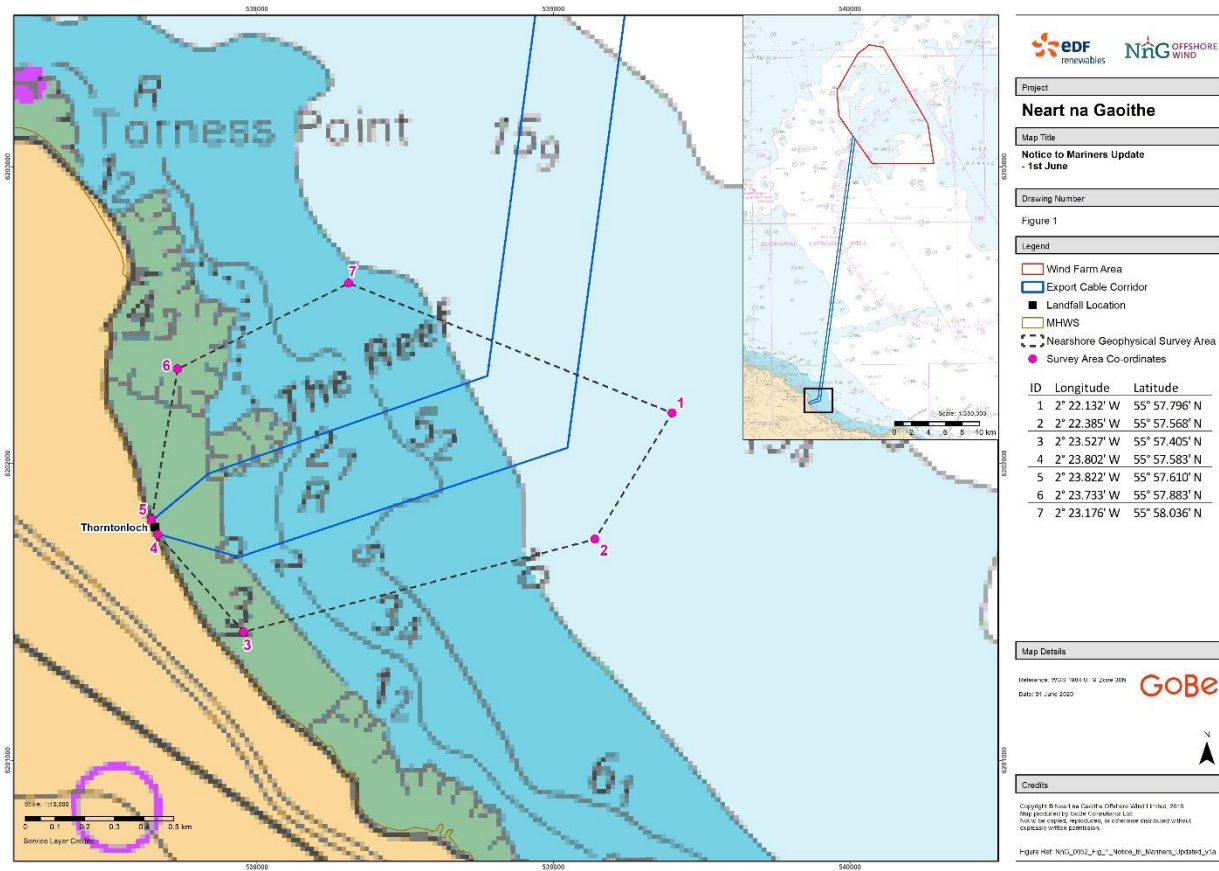


Figure 3 Area of nearshore boulder clearance operations

Table 4 Coordinates for Boulder Clearance Operations

Description	Longitude (DD MM.MMM)	Latitude (DD.MM.MMM)
Offshore Wind Farm (OWF) Figure 2	002° 09.898' W	56° 15.271' N
	002° 13.998' W	56° 12.752' N
	002° 19.628' W	56° 15.479' N
	002° 20.232' W	56° 17.430' N
	002° 16.518' W	56° 20.312' N
	002° 09.255' W	56° 12.721' N
	002° 16.293' W	56° 12.766' N
	002° 20.055' W	56° 15.827' N
	002° 17.826' W	56° 19.752' N
002° 14.910' W	56° 20.171' N	
Export Cable Route (ECR) Figure 2	002° 18.237' W	56° 14.349' N
	002° 22.472' W	55° 57.734' N
	002° 23.199' W	55° 57.603' N
	002° 23.301' W	55° 57.757' N
	002° 22.729' W	55° 57.866' N
	002° 21.938' W	56° 00.990' N
	002° 22.262' W	56° 01.017' N
	002° 21.882' W	56° 02.498' N
	002° 21.561' W	56° 02.475' N
002° 18.479' W	56° 14.546' N	

Nearshore Survey Area Figure 3	002° 22.132' W	55° 57.796' N
	002° 22.385' W	55° 57.568' N
	002° 23.527' W	55° 57.405' N
	002° 23.802' W	55° 57.583' N
	002° 23.822' W	55° 57.610' N
	002° 23.733' W	55° 57.883' N
	002° 23.176' W	55° 58.036' N

Table 5 Boulder Clearance Vessel; FS Kristiansand


Vessel name:	FS Kristiansand
Vessel type and Dimensions:	Platform Supply Vessel (PSV) LOA: 73.4m, Beam: 16.63m, Draught: 5.0m
Vessel role:	Boulder Clearance Operations
Location of operations:	Export Cable Route (ECR) KP 4.000 – KP 5.000 KP 5.000 – KP 6.000
Call sign:	MAAS7
Maritime Mobile Service Identity:	232002896
On board contact:	NnG Client Representative Kristiansand-Rep@nngoffshorewind.com
Onshore representative:	Martin Malone Martin.malone@nngoffshorewind.com +44(0)7880439480
	

Table 6 Boulder Clearance Vessel; World Peridot

Vessel name:	World Peridot
Vessel type and Dimensions:	Platform Supply Vessel (PSV) LOA: 80.03m, Beam: 19.13m, Draught: 5.2m
Vessel role:	Boulder Clearance Operations
Location of operations:	Offshore Wind Farm: NNG-A11, NNG-A09, NNG-F05, NNG-E16, NNG-H19
Call sign:	D5TS3

Maritime Mobile Service Identity:	636019266
On board contact:	NnG Client Representative World.Peridot-Rep@nngoffshorewind.com
Onshore representative:	Martin Malone Martin.malone@nngoffshorewind.com +44(0)7880439480
	

Table 7 Nearshore Boulder Clearance Vessel; Forth Guardsman



Vessel name:	Forth Guardsman
Vessel type and Dimensions:	Landing Craft (with Excavator) LOA: 58.7m, Beam: 14.81m, Draught: 2.5m
Vessel role:	Boulder Clearance Operations
Location of operations:	Nearshore Survey Area
Call sign:	ZIVU6
Maritime Mobile Service Identity:	235006574
On board contact:	NnG Client Representative Forth.Guardsman-rep@nngoffshorewind.com
Onshore representative:	Martin Malone Martin.malone@nngoffshorewind.com +44(0)7880439480
	

Table 8 Nearshore Boulder Clearance Crew Transfer Vessel; Wavedancer 2

Vessel name:	Wavedancer 2
Vessel type and Dimensions:	Crew Transfer Vessel (CTV) LOA: 11.0m, Beam: 4.0m, Draught: 1.2m
Vessel role:	Crew Transfers (Eyemouth – Forth Guardsman)
Location of operations:	Eyemouth / Nearshore Survey Area
Call sign:	MPBU3
Maritime Mobile Service Identity:	235020574
On board contact:	NnG Client Representative Forth.Guardsman-rep@nngoffshorewind.com
Onshore representative:	Martin Malone Martin.malone@nngoffshorewind.com +44(0)7880439480
	

3.2 Drilling and Casing Installation

Table 9 Details of Drilling and Casing Installation Operations

Contractor:	Saipem Ltd
Scope of operation:	Saipem Ltd has been contracted by Neart na Gaoithe (NnG) to undertake the Detail Design under an EPCI Scope of Work. During this campaign, Saipem Ltd will drill out x3 rock-sockets and install x3 casings at each of the x54 Wind Turbine Generator (WTG) and x2 Offshore Substation (OSS) locations.
Area of operation:	Offshore Wind Farm (OWF)
Dates of operation:	09/08/20 – March 2021
Vessels supporting operation:	Saipem 7000 Sea Gull

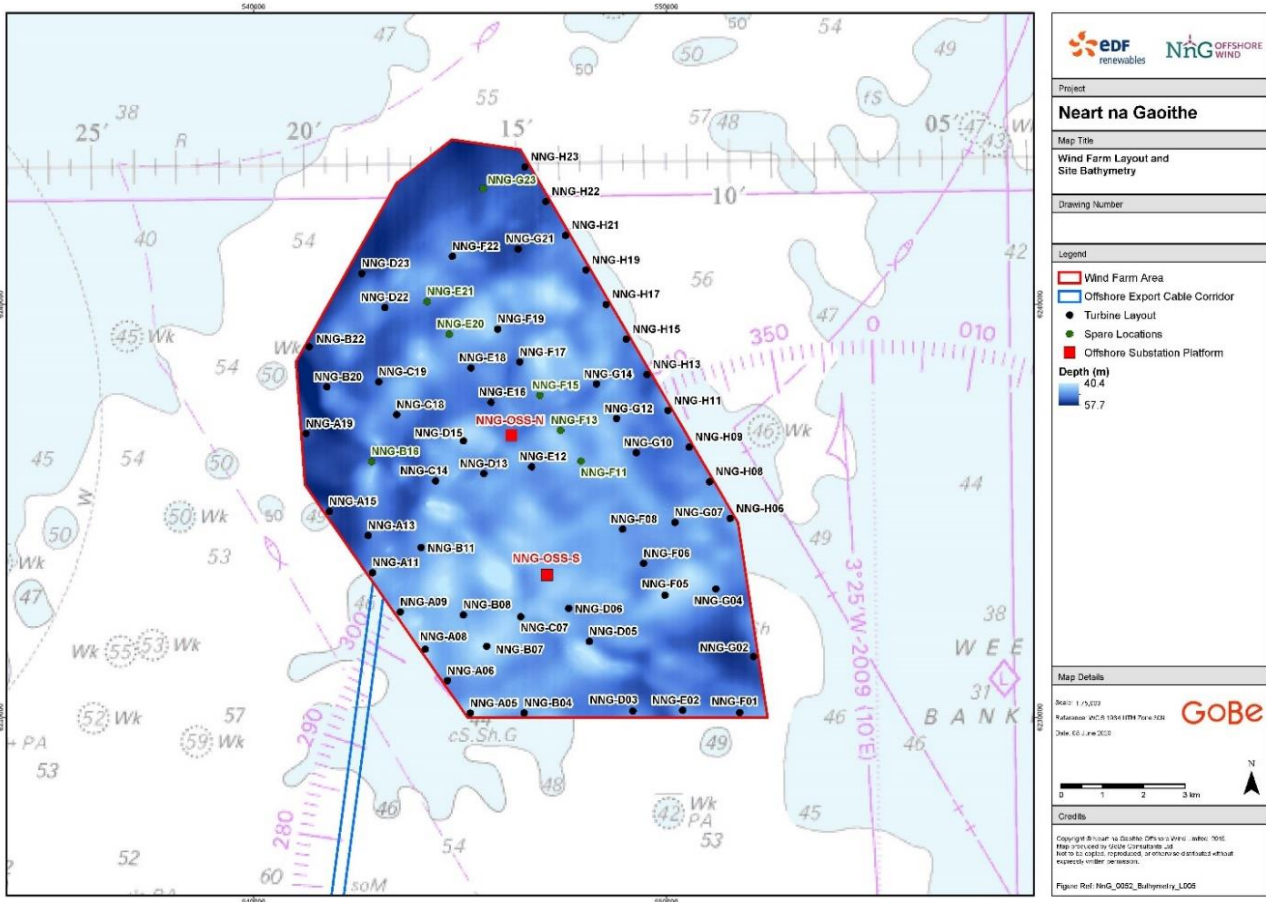


Figure 4 Location of NnG Turbine Locations within the Wind Farm Area

Table 10 Coordinates of NnG Turbine Locations and first anticipated locations of work (green highlight)

TURBINE 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

TURBINE ID	LONGITUDE (DD.MM.MMM)	LATITUDE (DD.MM.MMM)	TURBINE ID	LONGITUDE (DD.MM.MMM)	LATITUDE (DD.MM.MMM)
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° 12.0790' 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

Table 11 Coordinates of NnG Offshore Substation Platform (OSP)

OSP ID	LONGITUDE (DD.MM.MMM)	LATITUDE (DD.MM.MMM)	OSP ID	LONGITUDE (DD.MM.MMM)	LATITUDE (DD.MM.MMM)
NNG-OSS-S	002° 14.395' W	56° 14.615' N	NNG-OSS-N	002° 15.193' W	56° 16.446' N

Table 12 Casing Installation Vessel; Saipem 7000



Vessel name:	Saipem 7000
Vessel type and Dimensions:	Heavy Lift Vessel LOA: 175.0m, Beam: 87.0m, Draught: 27.5m (Operating)
Vessel role:	Drilling and Casing Installation.
Location of operations:	Offshore Wind Farm; Turbine Locations NNG-A15, NNG-F01
Call sign:	C6NO
Maritime Mobile Service Identity:	309461000
On board contact:	NnG Client Representative S7000-Rep@nngoffshorewind.com
Onshore representative:	Mick Hoyle Mick.hoyle@nngoffshorewind.com +44(0)7881102695
	

Table 13 Casing Supply Vessel; Sea Gull

Vessel name:	Sea Gull
Vessel type and Dimensions:	Platform Supply Vessel (PSV) LOA: 88.8m, Beam: 20.0m, Draught: 6.9m
Vessel role:	Transportation of casings from Marshalling Port (Leith) to S7000
Location of operations:	Leith – NnG Offshore Wind Farm
Call sign:	LAGK8
Maritime Mobile Service Identity:	257504000
On board contact:	NnG Client Representative S7000-Rep@nngoffshorewind.com
Onshore representative:	Mick Hoyle

	Mick.hoyle@nngoffshorewind.com +44(0)7881102695
	

3.3 Guard Vessels

SFF Services has been appointed by NnGOWL to provide guard vessels during the boulder/debris clearance campaign. Apart from times of extreme weather, there will always be at least two guard vessels on site, to cover the Wind Farm Area and Export Cable Corridor. 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.

Two (2) of the three (3) Guard Vessels below are on-site at any given time supporting the operational vessels listed above.

Table 14 Guard Vessel; Artemis

Vessel name:	Artemis
Vessel type and Dimensions:	Guard Vessel LOA: 27.69m, Beam: 8.7m, Draught: 5.1m
Vessel role:	Guard Vessel Duties
Location of operations:	Export Cable Route
Call sign:	MVIX5
Maritime Mobile Service Identity:	233975000
On board contact:	Vessel Master concordeb47@aol.com
Onshore representative:	Martin Malone Martin.malone@nngoffshorewind.com +44(0)7880439480



Table 15 Guard Vessel; Seagull


Vessel name:	Seagull
Vessel type and Dimensions:	Guard Vessel LOA: 30.0m, Beam: 8.0m, Draught: 4.9m
Vessel role:	Guard Vessel Duties
Location of operations:	Offshore Wind Farm until 27/07/20
Call sign:	MVBO2
Maritime Mobile Service Identity:	233714000
On board contact:	Vessel Master seagullbf74@gmail.com
Onshore representative:	Martin Malone Martin.malone@nngoffshorewind.com +44(0)7880439480
	

Table 16 Guard Vessel; Tranquillity S

Vessel name:	Tranquillity S
Vessel type and Dimensions:	Guard Vessel LOA: 19.0m, Beam: 7.0m, Draught: 2.63m
Vessel role:	Guard Vessel Duties
Location of operations:	Return to site on 27/07/20
Call sign:	MJUH9
Maritime Mobile Service Identity:	235053837
On board contact:	Vessel Master spousekeil@yahoo.com
Onshore representative:	Martin Malone Martin.malone@nngoffshorewind.com +44(0)7880439480

Vessel name:	Tranquillity S
	

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 *S7000*, *Sea Gull*, *FS Kristiansand*, *World Peridot* and *Forth Guardsman* 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 OSPs) 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 Natural Power. For any commercial fishery queries please contact: Peter Berney, telephone: +44 (0)7391 402387 or email: NnG.FLO@naturalpower.com .

For any other general queries please contact info@nngoffshorewind.com .