

<b>Project Title</b>	Seagreen Wind Energy Ltd
<b>Document Reference Number</b>	LF000009-MIP-MA-MAN-NOT-0001

# Seagreen Offshore Wind Farm.

## Weekly Notice of Operations 28/2023

**Issue Date – 10th July 2023.**

**Notice of Operations on Seagreen Offshore Wind Farm.**

**Work planned for the period 10-07-2023 to 16-07-2023.**

**Construction activities commenced on Seagreen Offshore Wind Farm on Thursday 17<sup>th</sup> December 2021.**

**This notice will be updated weekly giving information of the progress and resources involved in the construction of the windfarm. The intention is to give notice of the activities involved in the construction phase of the project. Should anyone have any questions regarding construction operations we kindly ask that you put them forward well in advance.**

The Seagreen Offshore Wind Farm is located in the outer Firth of Forth and Firth of Tay region of the North Sea. The site is situated approximately 17.5 nautical miles East-southeast of the Port of Montrose where the project Marine Coordination Centre will be located during the construction and operational phases. The first phase of the development will consist of 114 suction bucket foundation structures, with associated 114 10MW offshore wind turbine generators, 1 HVAC offshore substation platform, associated inter array and export cabling. The generated power will be transmitted to the National Grid via 3 subsea transmission cables making landfall at Carnoustie, Angus, to the Southwest of the development site. Grid connection will be achieved at the Tealing onshore substation. The second phase of the project will consist of 36 piled foundation structures, with associated 36 Wind Turbine Generators, associated inter array and export cabling and one additional 1 HVAC offshore substation platform. The phase 2 transmission cable is proposed to make landfall at Cockenzie, East Lothian (subject to appropriate licensing).

The Seagreen development site is highlighted below in red, the export cable corridor is highlighted in blue.

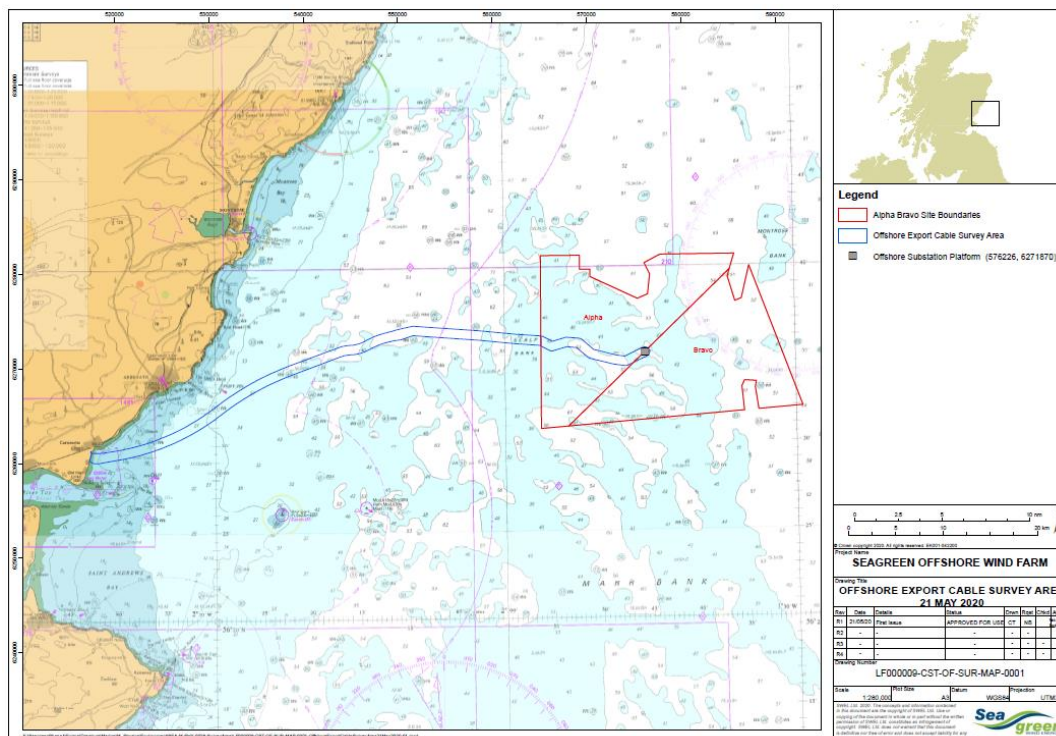


Fig 1 – Seagreen offshore wind farm location and export cable corridor.


## 1. Contact details for Marine Coordination

The following contact can provide more information if required.

Telephone Number (24/7 Operations)	+44 (0) 333 344 5255
Email for Marine Coordinator	<a href="mailto:seagreenmarinecoordination@sse.com">seagreenmarinecoordination@sse.com</a>
Address	Seagreen Wind Energy Ltd, O&M Building, Windy Waves House, South Quay Ferryden, Montrose, Angus DD10 9SL

## 2. Inter Array Cable Installation.


**Seaway Aimery** – All the inter-array cables are now installed. Seaway Aimery will continue to trench the inter array cables between adjacent wind turbine foundation structures and the offshore sub-station platform.

Vessel – Seaway Aimery	Contact Details	
	Call Sign	MDBO2
	MMSI	232015468
	Length	95.0m
	Beam	21.0m
	Draft	6.0m
	Vessel Contact	Euan Mowatt – Seaway 7 07539 368974

## 3. Wind Turbine Generator Installation & Commissioning.

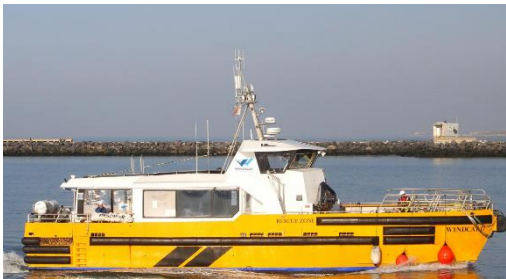
On behalf of Seagreen Wind Energy Ltd, MHI Vestas Offshore Wind continue commissioning of wind turbine generators.


The Service Operation Vessel (SOV) Norside Cetus will provide accommodation for WTG commissioning technicians. Personnel will utilise a walk to work gangway systems to access the WTG structures for commissioning activities. The crew transfer vessels HST Harri and HST Euan will support the SOV. A table of installed WTG's and their coordinates is shown below in Section 9.


Vessel – Norside Cetus	Contact Details	
	Call Sign	LNCQ3
	MMSI	257931000
	Length	83.4m
	Beam	18.0m
	Draft	5.6m
	Vessel Contact	Paul Grant – Commissioning Manager +44 7587630374


#### 4. Crew Transfer Vessels (CTV's).


A number of crew transfer vessels support operations within the Seagreen site, please see details below.


Vessel – Windcat 17	Contact Details	
	Call Sign	2BYD5
	MMSI	235070402
	Length	18.0m
	Beam	6.0m
	Draft	2.0m
	Vessel Contact	Graeme.watters@sse.com


Vessel – HST Harri	Contact Details	
	Call Sign	MGBN4
	MMSI	23202433
	Length	27.0m
	Beam	11.0m
	Draft	2.4m
	Vessel Contact	Onshore Rep: Paul Grant – 07587 630374


Vessel – HST Euan	Contact Details	
	Call Sign	MGQO3
	MMSI	232025959
	Length	27.0m
	Beam	11.0m
	Draft	2.4m
	Vessel Contact	Paul Grant – Commissioning Manager +44 7587630374

Vessel – HST Thomas	Contact Details	
	Call Sign	2EIZ5
	MMSI	235085534
	Length	19.0m
	Beam	7.0m
	Draft	1.3m
	Vessel Contact	Euan Mowatt – Seaway 7 07539 368974

Vessel – MCS Sirocco	Contact Details	
	Call Sign	2FFP4
	MMSI	235090843
	Length	25.75m
	Beam	10.06m
	Draft	2.2m
	Vessel Contact	Euan Mowatt – Seaway 7 07539 368974

Vessel – GXS Valtos	Contact Details	
	Call Sign	2FDO4
	MMSI	235090347
	Length	22m
	Beam	6m
	Draft	1.8m
	Vessel Contact	Euan Mowatt – Seaway 7 07539 368974

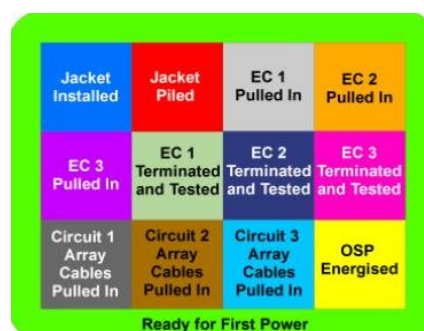
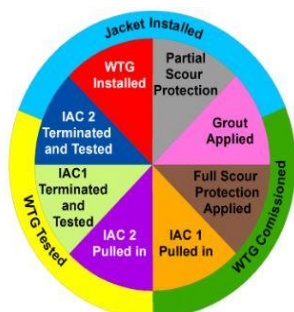
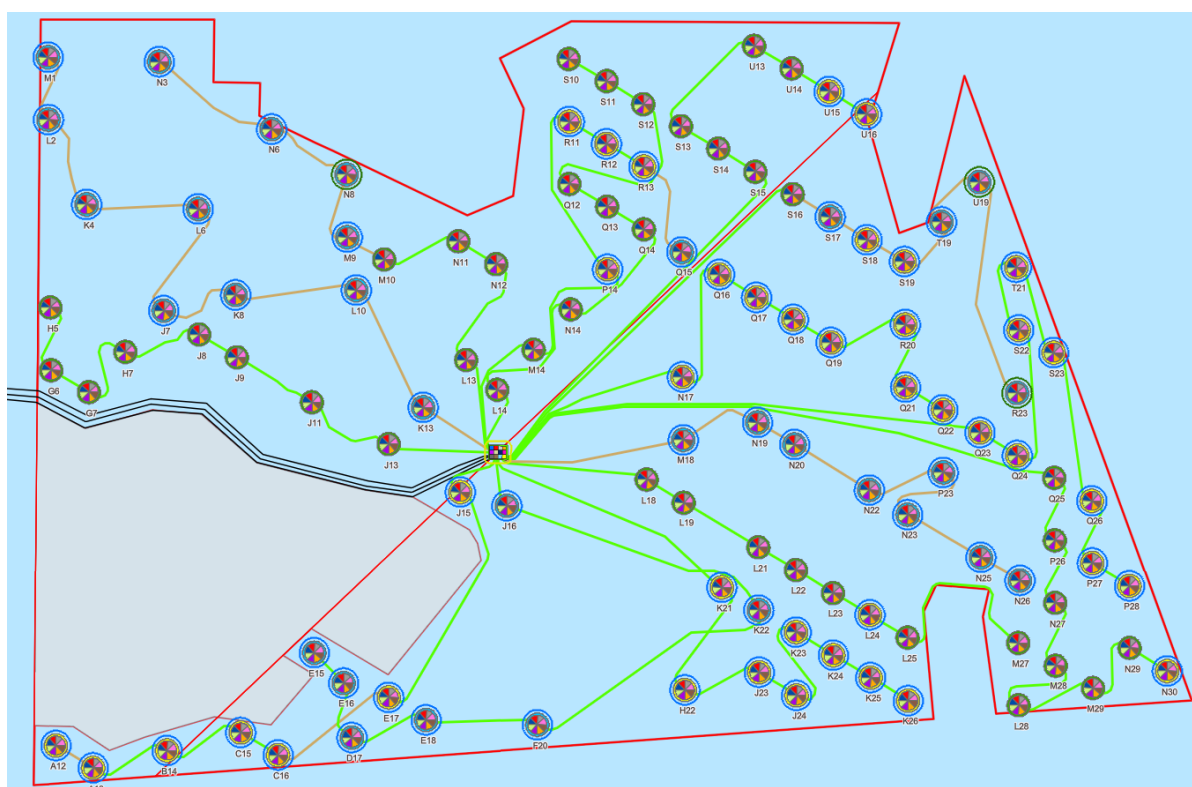
Vessel – Spectrum 4	Contact Details	
	Call Sign	2DMP7
	MMSI	235080287
	Length	21m
	Beam	7m
	Draft	1.8m
	Vessel Contact	Euan Mowatt – Seaway 7 07539 368974

Vessel – Hydrocat 48	Contact Details	
	Call Sign	MISN5
	MMSI	232033647
	Length	23.0m
	Beam	7.0m
	Draft	2.0m
	Vessel Contact	Graeme.watters@sse.com



## 5. Construction progress update.

Please see below the current state of construction activity within the Seagreen site including coordinates of already installed assets, this will be updated weekly within this notice. Outside the issue of this notice updates can be obtained from the Duty Marine Coordinator, contact details are in section 1.



### Installed Foundation and Wind Turbine Generators

All 114 WTG's are now installed, locations highlighted in **Yellow**

WTG ID	Lat & Long (WGS84 DDM)	WTG ID	Lat & Long (WGS84 DDM)
OSP	56° 35.094'N 1° 45.537'W	N12	56° 37.509'N 1° 45.577'W
J15	56° 34.579'N 1° 46.396'W	N14	56° 36.929'N 1° 43.832'W
L02	56° 39.367'N 1° 56.036'W	N17	56° 36.060'N 1° 41.215'W
L13	56° 36.279'N 1° 46.272'W	S16	56° 38.408'N 1° 38.643'W
L14	56° 35.899'N 1° 45.551'W	S17	56° 38.118'N 1° 37.771'W
L18	56° 34.740'N 1° 42.063'W	P14	56° 37.444'N 1° 42.971'W
L19	56° 34.450'N 1° 41.191'W	P26	56° 33.958'N 1° 32.515'W
L21	56° 33.869'N 1° 39.449'W	Q12	56° 38.539'N 1° 43.857'W
L22	56° 33.579'N 1° 38.578'W	Q13	56° 38.249'N 1° 42.984'W
L23	56° 33.289'N 1° 37.708'W	Q14	56° 37.959'N 1° 42.111'W
M10	56° 37.572'N 1° 48.183'W	Q17	56° 37.089'N 1° 39.494'W
M14	56° 36.414'N 1° 44.691'W	Q18	56° 36.799' N 1° 38.621' W
M28	56° 32.349'N 1° 32.498'W	Q19	56° 36.508'N 1° 37.750'W
M29	56° 32.057'N 1° 31.628'W	Q21	56° 35.927'N 1° 36.007'W
N11	56° 37.798'N 1° 46.450'W	Q25	56° 34.763'N 1° 32.524'W
L28	56° 31.835' N 1° 33.358' W	S11	56° 39.859'N 1° 43.009'W
F20	56° 31.585' N 1° 44.614' W	S12	56° 39.569'N 1° 42.135'W
N30	56° 32.280' N 1° 29.898' W	P13	56° 37.734' N 1° 43.844' W
L25	56° 32.707' N 1° 35.967' W	N29	56° 32.571' N 1° 30.767' W
H22	56° 32.035' N 1° 41.156' W	N27	56° 33.154' N 1° 32.506' W
H07	56° 36.375' N 1° 54.237' W	S10	56° 40.149' N 1° 43.882' W
U16	56° 39.437'N 1° 36.919'W	K21	56° 33.355' N 1° 40.309' W




U19	56° 38.565' N 1° 34.302' W	K13	56° 35.673' N 1° 47.282' W
L24	56° 32.998' N 1° 36.837' W	Q23	56° 35.345' N 1° 34.265' W
S14	56° 38.989' N 1° 40.389' W	R20	56° 36.732' N 1° 36.017' W
S15	56° 38.699' N 1° 39.516' W	M27	56° 32.640' N 1° 33.367' W
S18	56° 37.827' N 1° 36.899' W	J23	56° 32.260' N 1° 39.427' W
S19	56° 37.537' N 1° 36.027' W	J13	56° 35.197' N 1° 48.075' W
J11	56° 35.736' N 1° 49.886' W	L10	56° 37.174' N 1° 48.846' W
E17	56° 31.938' N 1° 48.084' W	K08	56° 37.119' N 1° 51.648' W
J08	56° 36.603' N 1° 52.506' W	G06	56° 36.147' N 1° 55.968' W
G07	56° 35.859' N 1° 55.095' W	H05	56° 36.952' N 1° 55.985' W
E16	56° 32.125' N 1° 49.125' W	N19	56° 35.479' N 1° 39.471' W
L06	56° 38.212' N 1° 52.538' W	M09	56° 37.861' N 1° 49.057' W
M01	56° 40.172' N 1° 56.053' W	J07	56° 36.915' N 1° 53.355' W
Q16	56° 37.379' N 1° 40.366' W	N06	56° 39.244' N 1° 50.820' W
N03	56° 40.111' N 1° 53.444' W	N08	56° 38.666' N 1° 49.071' W
Q22	56° 35.636' N 1° 35.136' W	J09	56° 36.314' N 1° 51.633' W
U13	56° 40.308' N 1° 39.538' W	S13	56° 39.279' N 1° 41.262' W
U15	56° 39.728' N 1° 37.792' W	U14	56° 40.018' N 1° 38.665' W
T19	56° 38.051' N 1° 35.164' W	K23	56° 32.774' N 1° 38.567' W
N20	56° 35.189' N 1° 38.600' W	Q24	56° 35.054' N 1° 33.394' W
P23	56° 34.831' N 1° 35.126' W	R11	56° 39.344' N 1° 43.870' W
J24	56° 31.969' N 1° 38.556' W	N22	56° 34.608' N 1° 36.858' W
K25	56° 32.193' N 1° 36.827' W	N23	56° 34.294' N 1° 35.963' W
N25	56° 33.736' N 1° 34.246' W	E18	56° 31.649' N 1° 47.213' W
N26	56° 33.445' N 1° 33.330' W	K24	56° 32.484' N 1° 37.697' W
S22	56° 36.664' N 1° 33.366' W	K26	56° 31.902' N 1° 35.957' W

S23	56° 36.373' N 1° 32.541' W	T21	56° 37.469' N 1° 33.421' W
P28	56° 33.38' N 001° 30.78' W	P27	56° 33.67' N 001° 31.65' W
R13	56° 38.764' N 1° 42.123' W	R12	56° 39.054' N 1° 42.996' W
B14	56° 31.257' N 1° 53.267' W	C16	56° 31.196' N 1° 50.668' W
R23	56° 35.859' N 1° 33.403' W	Q15	56° 37.669' N 1° 41.238' W
D17	56° 31.422' N 1° 48.941' W	K04	56° 38.273' N 1° 55.145' W
J16	56° 34.408' N 1° 45.327' W	M18	56° 35.255' N 1° 41.203' W
K22	56° 33.064' N 1° 39.438' W	A12	56° 31.318' N 1° 55.867' W
C15	56° 31.484' N 1° 51.540' W	A13	56° 31.029' N 1° 54.995' W
E15	56° 32.516' N 1° 49.827' W	Q26	56° 34.472' N 1° 31.653' W

## 6. Guard Vessel Deployment.


On behalf of Seagreen Wind Energy, Seaway 7 have deployed two site Guard Vessels. Six hourly VHF radio broadcasts shall be made containing information regarding the Seagreen development including installation activity, safety zone information and site demarcation buoyage information. Vessel details below.


Vessel – Julia M	Contact Details	
	Call Sign	MXHY7
	MMSI	234750000
	Length	20 m
	Beam	6 m
	Draft	3.6m

Vessel – Evening Star	Contact Details	
	Call Sign	MNEP3
	MMSI	235006716
	Length	18m
	Beam	6m
	Draft	5m

## 7. Operations & Maintenance

Operations & Maintenance activities are underway with a number of wind turbine generators fully commissioned. Technicians shall be deployed to service the WTG's and carry out any required trouble-shooting tasks. The Operations & Maintenance team shall be deployed from the service operations vessel Edda Brint and crew transfer vessel MO8.

Vessel – Edda Brint	Contact Details	
	Call Sign	LALG8
	MMSI	257967000
	Length	82.0m
	Beam	19.0m
	Draft	5.0m
Vessel Contact		Graeme.watters@sse.com

Vessel – MO6	Contact Details	
	Call Sign	MIQO2
	MMSI	232033197
	Length	26.0m
	Beam	11.0m
	Draft	2.7m
Vessel Contact		Graeme.watters@sse.com

## 8. Offshore Fisheries Liaison Officers.

During the construction phase of the Seagreen project there will be Offshore Fisheries Liaison Officers (OFLO) deployed on selected construction vessels. The principal role of the OFLO is to establish and maintain effective communications with any fishing vessels encountered and to monitor compliance with good practice guidelines whilst doing so. The OFLO will record details of any fishing activity in and around the site including fishing vessels, gear and communications with fishing vessels and will provide regular updates to the Seagreen FLO. Please contact Seagreen Marine Coordination for further information.

## 9. Safety Zones.

Following consideration by Scottish government ministers it has been agreed that during the construction phases of the Seagreen development mandatory rolling 500m safety zones will be established around each Wind Turbine Generator and/or their foundations whilst construction works are in progress, as indicated by the presence of a construction vessel. The safety zones will be triggered whenever a vessel is on station at a WTG and undertaking construction activities.

In addition, mandatory pre commissioning 50m safety zones will be established around each Wind Turbine Generator and/or their foundations when construction works have been completed but prior to Wind Farm commissioning or where construction works have only been partially completed. These safety zones will be active at any structure during the construction phase where a construction vessel is not present at a Wind Turbine Generator.

## 10. Website

The official website for Seagreen Offshore Wind Farm can be found at

<https://seagreenwindenergy.com>

This contains all Seagreen Weekly Notices of Operations and Notices to Mariners, together with a large amount of general information about the project.

There is also a Twitter feed at [@seagreenwind](https://twitter.com/seagreenwind)















## 11. Distribution List

A central list of recipients is maintained by Seagreen Marine Coordination, if you are not the appropriate recipient or do not wish to receive these notices, please contact Marine Coordination as per the details in section 1 of this notice.

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## 12. Seagreen weekly vessel report.

Seagreen Offshore Windfarm Vessels & Operators						Sea green WIND ENERGY		10.07.2023	
Reference to Marine Licence Conditions 3.1.2 (OWF Alpha and Bravo ML), 3.1.2 (OTA ML) and 3.1.2 (Open Cut at Landfall ML)									
Vessel Data Matrix OWF/OTA/Open Cut at Landfall									
Vessel Picture	Vessel Name / Flag	Type / Function	Operator	Contact / contact details	Call sign / MMSI / IMO	LOA (m) Beam (m) T (m)	Date on Site	Marine Licence(s) applicable	
	HST Euan	Crew Transfer vessel	Vestas	Paul Grant Vestas +44 7587630374	MGQ03 232025959	27 x 11m	06/10/2022	OWF Alpha & Bravo ML	
	HST Harri	Crew Transfer vessel	Vestas	Paul Grant Vestas +44 7587630374	MGBN4 232024313	27 x 11m	06/10/2021	OWF Alpha & Bravo ML	
	Seaway Aimagy	Cable Laying Vessel	Seaway7	Euan Mowatt Seaway 7 +44 (0) 7539368974	MDBO2 232015468	95m x 23m	28/01/2023	OWF Alpha & Bravo ML	
	Edda Brint	Service Operations Vessel	Vestas	Graeme Walters Lead Marine Coordinator +44 (0) 7932 229828	LALG8 257967000	82.85m x 18.60m	14/05/2023	OWF Alpha & Bravo ML	
	MD6	Crew Transfer vessel	SWEL	Graeme Walters Lead Marine Coordinator +44 (0) 7932 229828	MIQ02 232033197	26m x 11m	04.07.23	OWF Alpha & Bravo ML	
	GXS Valtos	Crew Transfer vessel	Seaway7	Euan Mowatt Seaway 7 +44 (0) 7539368974	2FDO4 235090347	22.0m x 6.0m	19.03.23	OWF Alpha & Bravo ML	
	Norside Cetus	Multi Purpose Offshore Vessel	Vestas	Paul Grant Vestas +44 7587630374	LNCQ3 257931000	83.4m x 18.0m	22.01.23	OWF Alpha & Bravo ML	
	MCS Scirocco	Crew Transfer vessel	Seaway7	Euan Mowatt Seaway 7 +44 (0) 7539368974	2FFP4 235090843	25.0m x 10.0m	03.04.23	OWF Alpha & Bravo ML	
	HST Thomas	Crew Transfer vessel	Seaway7	Euan Mowatt Seaway 7 +44 (0) 7539368974	2E125 235085534	19.0m x 7.0m	28.04.23	OWF Alpha & Bravo ML	
	Spectrum 4	Crew Transfer vessel	Seaway7	Euan Mowatt Seaway 7 +44 (0) 7539368974	2DMP7	23m x 7m	11.05.23	OWF Alpha & Bravo ML	
	Windcat 17	Crew Transfer vessel	Seagreen Wind Energy	Graeme Walters Lead Marine Coordinator +44 (0) 7932 229828	2BYD5 235070402	18.0m x 6.0m	25.06.23	OWF Alpha & Bravo ML & OTA ML	
	Hydrocat 48	Crew Transfer Vessel	Petrofac	Graeme Walters Lead Marine Coordinator +44 (0) 7932 229828	MISN5 223033647	23.0m x 7.0m	23.05.23	OTA ML	
	GV Julia M	Guard Vessel	Seaway7	Euan Mowatt Seaway 7 +44 (0) 7539368974	MXHY7 234750000	20m x 6m	30.06.23	OWF Alpha & Bravo ML	
	GV Evening Star	Guard Vessel	Seaway7	Euan Mowatt Seaway 7 +44 (0) 7539368974	MNEP3 235006716	21.0m x 7.0m	20.06.23	OWF Alpha & Bravo ML	



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