

NOTICE TO MARINERS

Issue date: 05/08/2019

1. ROV Survey of Marine Growth on Installed Piles.

Please be advised that Moray Offshore Windfarm (East) Limited (Moray East) will commence ROV Survey Operations monitoring marine growth on installed piles using a 4 point mooring system circa 06-08-2019

The Teal of Wick will be surveying the locations indicated in Figure 1 below. The relevant coordinates are included in Table 1.

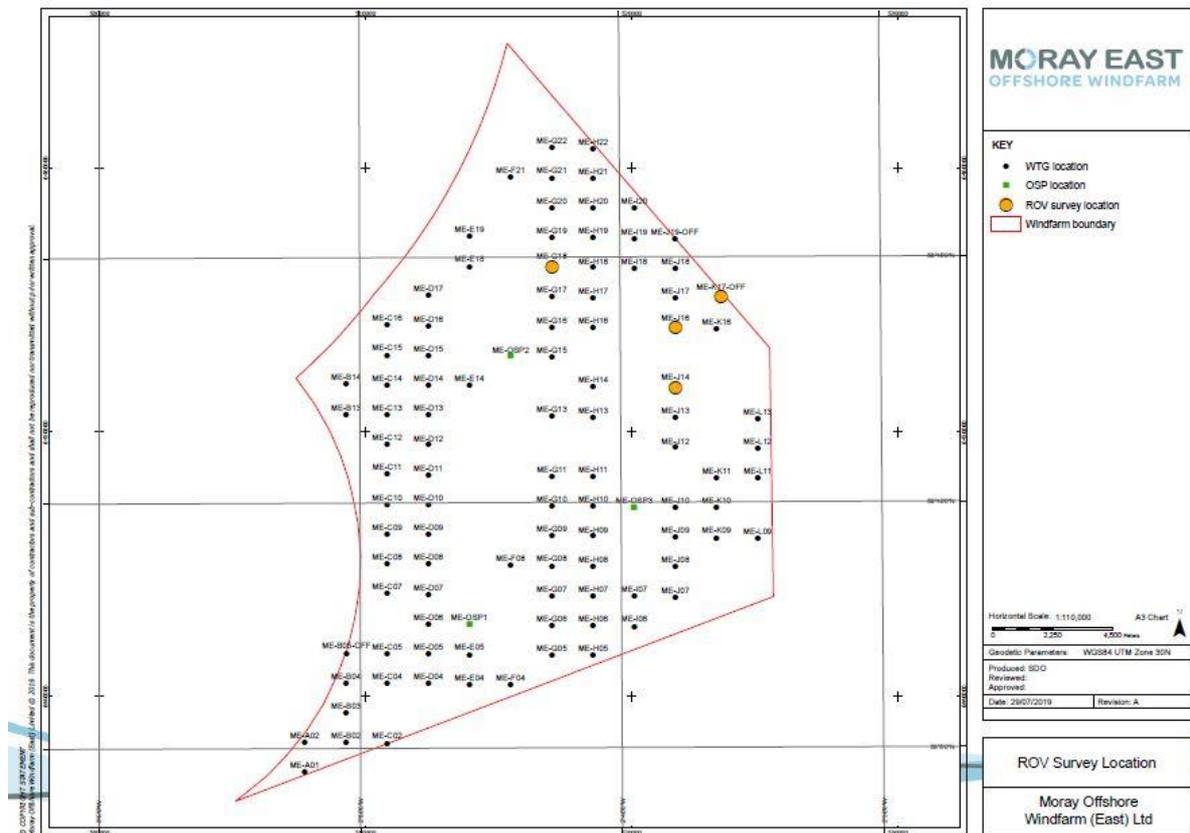


Figure 1 – Turbine location map

Table 1 – Pile locations to be surveyed

Turbine ID	Latitude (DD MM.mmm)	Longitude (DD MM.mmm)
ME-G18	58° 14.819' N	2° 42.619' W
ME-J14	58° 12.347' N	2° 37.899' W
ME-J16	58° 13.563' N	2° 37.886' W
ME-K17-OFF	58° 14.189' N	2° 36.133' W

2. Vessel associated with the planned works

Teal Of Wick	
General Description and Dimensions:	Survey Vessel
Call Sign:	ZQXM9
MMSI:	235000773
On Board Contact:	Ian Beaton 07713064672
Offshore Manager / Party Chief:	Offshore Manager
E-mail:	admin@seafastltd.co.uk
Onshore Representative:	Martin Shaw: Martin.Shaw@morayeast.com



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3. ROV Specifications

SURFACE EQUIPMENT



FALCON SURFACE UNIT

The Falcon's switch mode power supplies, control system, fold out 15 inch LCD monitor and keyboard are installed in a 19 inch rack transportable base.

All connections to the surface unit are on the front panel for easy access including the hand controller with its 5 metre flying lead.

The power output from the surface unit to the umbilical is a galvanically isolated 500 VDC protected by a L.I.M. (Line Insulation Monitor).

VEHICLE CONTROLS ON THE HAND CONTROL UNIT

The following vehicle controls are provided on the hand controller:

- Single 3 axis joystick for horizontal vehicle control
- Rotary trim controller for vertical thrust up or down
- Push button dive and surface control
- Thruster enable / disable and power setting

- Camera selection
- Rotary control for lights intensity
- Auto pilot function for both heading and depth
- Auxiliary vehicle controls (including manipulator open / close).

A video overlay system is incorporated as standard providing the following information to the pilot:

- Compass heading
- Depth
- Camera tilt position
- Auto pilot function status
- Umbilical turns counter
- Vehicle pitch and roll
- CP reading
- Date and time
- Lat and Long
- Free text using a QWERTY keyboard.

INPUT POWER REQUIREMENTS:

Single phase universal auto sensing input, 100-270 VAC at 2.8 kW.

SEAEYE FALCON & FALCON DR SPECIFICATIONS

SPECIFICATIONS	FALCON	FALCON DR
System power requirements	Single phase 100-270 VAC at 2.8 kW	Single phase 100-270 VAC at 2.8 kW
Maximum umbilical length	450 m	1100 m
Depth rating	300 msw	1000 msw
Length	1000 mm	1055 mm
Height	500 mm	635 mm
Width	600 mm	600 mm
Launch weight	55 kg	100 kg
Forward speed	> 3 knots	> 3 knots
Thrust forward	50 kgf	50 kgf
Thrust lateral	28 kgf	28 kgf
Thrust vertical	13 kgf	13 kgf
Payload	14 kg	15 kg



STANDARD FALCON WITH WIRE ROPE CUTTING SKID

Figure 2 – ROV specifications

4. General Safety Advice

Please be aware that by virtue of their modes of operation, Teal of Wick 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 work and showing the appropriate shapes and lights in accordance with COLREGs Rule 18.

5. **Contact details**

CONTACT DETAILS	
Marine Coordination Centre 24/7 Gary Smailes – Lead Marine Coordinator Email: garysmailes.morayeast@morayeast.com Tel : +44 7918750025/01346 511838	For fisheries related matters Jen Miller – Brown and May Marine Ltd. Email: jen.miller@brownmay.com Tel : +44 1379 872148/ +44 7519 106002