

# NOTICE to MARINERS – Approximatly the 7<sup>th</sup> February 2015

## Subject: Met Ocean Survey

Two metocean buoys are deployed at the Offshore Renewable Energy Catapult met mast, Blyth within 565m of the location below to measure (1) wind speed and direction and (2) waves and currents; both buoys will be deployed alongside each other.

**Table 1.0: Within 565m of the location co-ordinates below**

Decimal Degrees		Degrees Minutes Seconds	
Latitude	Longitude	Latitude	Longitude
55.146250	-1.420867	55° 8' 46.5"N	001° 25' 15.1212" W

Based upon safety circular; Notice to Mariners from Renewables UK draft Radio Nav Warning and NtoM;

### Radio Nav Warning

**COASTAL I**

**XXX**

**XXXXXX UTC JAN15**

ENGLAND, EAST COAST.

Approaches to Blyth.

Chart XXXX

Floating LIDAR buoy at 55.146250N -1.420867E

### NtoM

XXXXXX

NOTICE TO MARINERS

EAST COAST OF ENGLAND

BLYTH

FLOATING BOUY

Date on or about 7<sup>th</sup> February 2015

By Order Trinity House

**PLEASE NOTE:**

1. Specifications of the wind speed and direction measurement device

A standard marine buoy is located at NAREC and will be serviced at 6 weekly intervals, and remain in place until further notice. The buoy is painted to IALA standard and is equipped with a radar reflector and an amber navigation light set to flash 5 times at 1Hz every 20 seconds. Its size is 4 metres x 9 metres (m) (5m above/4m below the water line) with a maximum weight of 7 tonnes.

The mooring system is through the use of two delta flipper anchors with riser chains (maximum 250m each) and single connection to the buoy. Some of the chain will lie on the seabed, There is a pennant marker buoy floating on the surface above each of the two seabed anchors. The pennant buoys are yellow, 1m long, diameter of 0.5m. they are attached to the anchor by steel wire.

2. Specifications of wave and current measurement buoy

A directional wave rider (DWR) buoy is located at NAREC and will be serviced at 6 weekly intervals, and remain in place until further notice. The DWR buoy is painted to IALA standard and is equipped with an amber navigation light set to flash 5 times at 1Hz every 20 seconds. Its size is 0.9m diameter and is spherical in shape.

The DWR buoy is moored to the seabed through a single bungee line attaching to the buoy which may float depending on current speeds. The result of this mooring configuration is a large excursion of the buoy about its mooring; we ask that passing vessels give the buoy a wide berth of approximately 300m.

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