The shaded blocks below indicate the areas of activity published within this Bulletin.

This Bulletin, along with previous issues, can be viewed at: www.kingfishercharts.org, or you can register for an email alert by contacting: kingfisher@seafish.co.uk

All co-ordinates listed in this Bulletin refer to WGS84 datum
Moray Offshore Windfarm Limited – Survey

Please be advised that Osiris Projects will be carrying out marine survey operations within the Moray Offshore Renewables Limited (MORL) Round 3 zone area in the outer Moray Firth. The survey will provide information on site conditions to inform the installation of a meteorological mast in 2014. The survey will include geophysical analysis (multibeam bathymetry, sub-bottom profiling, side scan sonar) and grab sampling at four locations within the meteorological mast area. The survey area is located 100 x 100m around the met mast location, an area of 10,000m². It is located 27 km from the Caithness coast and has a water depth of 40.3m.

<table>
<thead>
<tr>
<th>Company, Vessel &amp; Call Sign</th>
<th>Area Covered</th>
<th>Start Timeframe &amp; Duration</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Osiris Projects</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MV Freja</td>
<td>POINT 1: 58°10.955'N 002°49.266'W  2. 58°10.955'N 002°49.164'W  3. 58°10.901'N 002°49.164'W  4. 58°10.901'N 002°49.266'W</td>
<td>30th August 2013 For 1 Day</td>
<td></td>
</tr>
</tbody>
</table>

For further information, please contact: Maritime House, 4 Brunel Road, Croft Business Park, Bromborough, Wirral, CH62 3NY (www.osirisprojects.co.uk) Tel: 0151 328 1120 Fax: 0151 343 1057

Beatrice Offshore Windfarm Limited – Lost UXO Items

Fugro EMU Limited will be carrying out marine survey operations in the BOWL wind farm site in the outer Moray Firth off the north east coast of Scotland on behalf of Beatrice Offshore Windfarm Ltd.

The UXO survey whilst undertaking surrogate trials has temporarily lost two UXO surrogate items. The UXO surrogate items have the following approximate (cylindrical) dimensions 790mm x 790mm (weighing ~35kg) and (cylindrical) 1200mm x 370mm (weighing ~60kg).

Please note the items are inert objects and present no harm to the environment. The items were snagged from the centre of the surrogate test area (58°15.000’N, 2°53.990’W), a recovery of the surrogate items was attempted and two of the four surrogate items were recovered at 58°12.210’N 2°54.048’W. The vessel has concentrated its search along this line and around the position of attempted recovery (58°11.827’N 2°54.159’W), checks are being made with the side scan data for the remaining two items.

<table>
<thead>
<tr>
<th>Company, Vessel &amp; Call Sign</th>
<th>Area Covered</th>
<th>Start Timeframe &amp; Duration</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fugro Emu Ltd</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For further information, please contact: Rebecca, Brown and May Marine, Tel: 07715 994134 email: Rebecca@brownmay.com
West of St. Ninian’s Isle – Scientific Deployment

Aegir Wave Power has redeployed a waverider buoy around 4km off the coast of St. Ninian’s Isle, southwest Shetland.

The buoy is yellow, 0.7m in diameter and fitted with a yellow flashing light. The buoy is moored by a slack line with underwater floats with allows the buoy to move around a 200m watch circle. Mariners are asked to keep a distance from the buoy. 59°58.560’N 001° 26.500’W

The buoy will remain onsite for between 1-3 years. NAFC Marine Centre will monitor and maintain the buoy while it’s onsite.

For further information, please contact: R.Hart, Aegir Wave Power, Tel: 0131 5612555, Email: enquiries@aegirwave.com
Neart na Gaoithe Offshore Windfarm – Survey Activity

Neart na Gaoithe Offshore Wind Limited will be carrying out 56 seabed Cone Penetration Tests (CPTs), 10 to 15 invasive magnetometer CPTs, and magnetometer scans along the Neart na Gaoithe offshore wind farm cable route. The Neart na Gaoithe cable route survey area is located in the outer Forth Estuary. The site is located approximately 30 km to the north of Torness, Scotland, with the cable route extending south to Thorntonloch.

<table>
<thead>
<tr>
<th>Company, Vessel &amp; Call Sign</th>
<th>Area Covered</th>
<th>Start Timeframe &amp; Duration</th>
<th>Area</th>
</tr>
</thead>
</table>
Westernmost Rough Offshore Windfarm – Sunken Vessel

The Guard Vessel ‘Magdalene Ann SH33’ after a collision has sunk in the position below:

Coordinates
53°47.300’N  000°02.240’E

The vessel is not visible from the surface. All vessels are requested to keep clear of the unmarked wreckage position.

CTV Cbale Bay is presently on site and will be replaced by Guard ‘Inger Lis’

For further information, please contact: Lasse Hartvig Hirsch, DONG, Tel: +44(0)7879115163 email: LASHI@dongenergy.co.uk

Humber Gateway Offshore Wind Farm – Foundation Installation Phase 1

Please be advised that E.ON will be installing 28 Wind Turbine Foundations approximately 10 miles offshore from Spurn Head, within the Humber Gateway Offshore Wind Farm.

Operations are expected to start on the 17/08/13 and are scheduled to last approximately 4 months (subject to weather) using the vessel MPI Discovery. The vessel will be loading 4 foundations from Bo Terminal, Flushing in Holland at a time and will be carrying out operations on an 8 day cycle, weather permitting.

Please be advised that E.ON will be extending the two ducts already installed on the beach by 500 meters seaward within the Humber Gateway Offshore Wind Farm Export cable boundary. Operations are expected to start on the 14/08/13 and are scheduled to last approximately 4 weeks (subject to weather and tides) using the vessel Fenna B and a small RHIB (TBC). The vessel will be pulling the duct offshore from the Biglins farm yard across the beach and into position so they can be connected to the existing duct already installed on the beach.

The vessel will be monitoring VHF channel 14/16 and the Project P1 channel at all times and will be conducting 24 hour operations. An exclusion Zone around this vessel of 500m is in force during operations

For further information, please contact: Gordon Bain, Eon Tel:+44(0) 7787241442 or Nigel Proctor (Fisheries Liaison) Tel: +44(0)7702730891
Teesside Offshore Wind Farm – Safety Zone Cardinal Buoys Out of Service

Teesside Offshore Wind Farm is located within Tees Bay approximately 1.5km off the coast of Redcar in Cleveland. The site will consist of 27 Siemens 2.3 MW Turbines and is connected by two undersea export cables to an onshore sub-station based at Warrenby.

The following activities are continuing:
- Continue turbine snagging activities

WARNING: The Following Cardinal Buoys are currently Out of Service:

<table>
<thead>
<tr>
<th>Buoy</th>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>West Cardinal</td>
<td>54° 39.020'N</td>
<td>01° 07.260'W</td>
</tr>
</tbody>
</table>

For further information, please contact: Simon Prince/Richard Hart, Tel: 01723893930, Mob:07920273866, Email: sprince@rssmarine.co.uk

Lynn and Inner Dowsing Offshore Wind Farms – Notice to Mariners

This Notice to Mariners (NTM) informs of 1) maintenance works; and 2) external diving operations within the Lynn and Inner Dowsing wind farm sites, including creation of exclusion zones in relation to diving activities.

Diving Inspections - External diving inspections will be taking place at an additional wind turbine within the Inner Dowsing site. This Notice to Mariners informs of the creation of an additional exclusion zone around this turbine (ID14). The divers will be operating from the ‘Gardian 10’ and supported by the Thor.

THE INNER DOWSING OFFSHORE WIND FARM ORDER 2003. SI NO. 2831 - EXCLUSION ZONE

Notice is hereby given by Centrica Renewable Energy Limited (CREL) on behalf of Inner Dowsing Wind Farm Ltd that an exclusion zone shall come into effect on 21 August 2013 under the provisions of the above Order, in respect of the external diving works mentioned above within the Inner Dowsing site.

Any person who, without reasonable excuse during these works at the Inner Dowsing offshore wind farm navigates a vessel within an area extending 500 m from any part of that work shall be guilty of an offence and shall be liable on summary conviction to a fine not exceeding level 3 on the standard scale. The exclusion zone is defined as the 500 m radius zone around the following wind turbine: ID14

The exclusion zones detailed in this notice shall terminate on completion of the diving works, such date to be communicated by a Notice to Mariners. Provisional date of completion: 20 September 2013. For the avoidance of doubt, the Lynn Offshore Wind Farm Construction Exclusion Zone remains in place. Diving activities will also be taking place within the Lynn wind farm site.

For further information, please contact: Simon Prince: 07920 273866, sprince@rssmarine.co.uk
East Anglia Offshore Wind – Navigational Fault on Met Mast ZE

The East Anglia Zone is situated in UK territorial waters within the southern North Sea off the coast of North and Suffolk. As part of the development, the met masts are to be installed in the south east of the site and the north east.

Work Schedule
WOOD GROUP KENNY commenced Phase I operations (installation of foundations) on the 6th May 2013 utilising the HLV STANISLAV YUDIN with AHTSs Smit Angola and Bremen Fighter and concluded operations on the 13th May.

WOOD GROUP KENNY returned to site EA1B on the 15th July 2013 utilising the HLV OLEG STRASHNOV to complete piling operations. The operation concluded on the 16th July 2013.

Briggs Marine has installed four type 2 cardinal buoys at each of the two met mast locations. The buoys are located 500m to the north, south, east and west of the met masts. The deployment commenced on the 3rd August 2013 utilising the FORTH CONSTRUCTOR and concluded on the 8th August 2013.

WOOD GROUP KENNY commenced Phase II operations (installation of transition pieces and lattice towers) on the 8th August 2013 utilising the HLV OLEG STRASHNOV with AHT Union Princess, and concluded on the 12th August 2013.

Installation of additional equipment and instrumentation and offshore commissioning follows Phase II and directly and will commence on the 14th August 2013 for a period of two weeks (weather dependent) utilising multi-purpose offshore vessel OCEAN DRAGON.

For further information, please contact: James Beale, Wood Group Kenny, Tel: +44(0)1784 417263, email: james.beale@woodgroupkenny.com

First Published: 13 August 2013 | Latest Update: 13 August 2013

Galloper Offshore Windfarm – Redeployment of Buoys

Redeployed location of the scientific instrumentation and associated guard buoys to alert marine users of their presence.

<table>
<thead>
<tr>
<th>Buoy</th>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trinity House Class II Guard Buoy A</td>
<td>51° 59.000'N</td>
<td>02° 04.800'E</td>
</tr>
<tr>
<td>Waverider</td>
<td>51° 58.820'N</td>
<td>02° 04.805'E</td>
</tr>
<tr>
<td>SmartBuoy (toroid 32)</td>
<td>51° 58.937'N</td>
<td>02° 04.811'E</td>
</tr>
<tr>
<td>Trinity House Class II Guard Buoy B</td>
<td>51° 58.664'N</td>
<td>02° 04.800'E</td>
</tr>
</tbody>
</table>

For further information, please contact: James Parker (Marine Programme Manager – Cefas), james.parker@cefas.co.uk, +44 (0) 1502 524529
Lincoln Offshore Wind Farm – Construction Activity & Survey

**Commissioning works are continuing at selected locations via various vessels.**

- Continuation of commissioning works at selected locations within Lincs via various vessels
- The Wind Ambition remains anchored to the east of the Lincs Wind Farm site and vessels will be transiting to and from this vessel to the site at all times
- Mariners are advised that diving works will take place within the Lincs site this week. Divers will be using the Yorkshire Lady vessel as a dive platform. Please maintain a safe working distance (500m) from the Yorkshire Lady at all times and be aware of this diving activity.

**Cables**

All inter-array cables are now installed, although some exposed cable ends exist near turbines. Mariners are reminded to maintain a 50m safety zone from all foundation structures during construction and 500m from any foundation where works are underway.

**Safety Zones**

Mariners are advised that all 75 x WTG’s have now been successfully completed. 50m safety zones remain around all WTG locations whilst final commissioning works take place. A 500m safety zone remains around the offshore substation.

**Coordinates of Operations**

The position and type of these buoys is shown below:

<table>
<thead>
<tr>
<th>Buoy</th>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>East Cardinal (VQ (3) 5s) 1</td>
<td>53°07.540’N</td>
<td>00°28.790’E</td>
</tr>
<tr>
<td>East Cardinal (VQ (3) 5s) 2</td>
<td>53°07.070’N</td>
<td>00°31.940’E</td>
</tr>
<tr>
<td>East Cardinal (VQ (3) 5s) 3</td>
<td>53°08.070’N</td>
<td>00°31.900’E</td>
</tr>
<tr>
<td>East Cardinal (VQ (3) 5s) 4</td>
<td>53°09.070’N</td>
<td>00°31.950’E</td>
</tr>
</tbody>
</table>

**For a copy of the Kingfisher Awareness Flyer for the Lincs Offshore Wind Farm, please contact the undersigned. Alternatively, click on the link below, or visit www.kingfishercharts.org**

Kingfisher Awareness Flyer: Lincs Offshore Wind Farm

For further information, please contact:

Email: Renewables@Centrica.com OR a Fisheries Liaison Officer (FLO) will be aboard the survey vessel for the duration of the proposed works – Mob: 07831705192

London Array Wind Farm – Construction Works

The London Array Offshore Wind Farm is being constructed in the Outer Thames Estuary, it will be situated midway between the Kent and Essex coastlines, more than 20km (12 miles) from each shore. Phase one consist of 175 wind turbines, installed on two sandbanks; Long Sand and Kentish Knock and in the Knock Deep channel.

Current work activities include:

- Cable burial vessel Pontra Maris assisted by tugs, Odin, Claudia B and Coastal Warrior will continue cable burial operations at shallow water locations. Whilst construction is taking place at these positions a 900m safety zone is established, and all vessels are to keep clear.
- The HBC Performer will carry out remedial works on cables and cable protection units, using the HBC Tender as her dive vessel. Whilst construction is taking place at these positions a 500m safety zone is established, and all vessels are to keep clear.
- The Atlantic Guardian assisted by the shallow water burial barge Hermes II and the fast rescue craft Atlantic Rescue 1 will conduct cable burial operations at shallow water locations. Whilst construction is taking place at these positions a 500m safety zone is established, and all vessels are to keep clear.
- The trailing suction hopper dredge Gateway will conduct gravel laying operations at SS1 and SS2 to complete scour protection work, assisted by a tug MTS Valiant and multicut MTS Vector. A survey vessel Geosurveyor 8 will undertake pre and post operation surveys. During operations there will be a 500m
For ‘live’ Kingfisher updates of all Cable & Wind Farm activities, please visit www.kis-orca.eu

- Construction site guard vessel duties will be covered by the Mary Ann 1.
- Crew boats Marian Array, Smestow Array, Elida Array, Conway Bay, Towyn Bay, Cwind Alliance, Transporter, Distributor, ECC Topaz, ECC Opal, Dalby Humber, Sea Ferret Ecc Challenger & Sea Weasel will take offshore technicians to the installed foundations and construction vessels, and perform personnel transfer duties.
- The vessel Meriel D conducting site survey work, including the export cable route and array cables.

For a copy of the Kingfisher Awareness Flyer for the London Array Offshore Wind Farm, please contact the undersigned. Alternatively, click on the link below, or visit www.kingfishercharts.org

Kingfisher Awareness Flyer: London Array Offshore Wind Farm

For further information, please contact: Email: londonarraytraffic@dongenergy.dk, Tel: +44(0)7909414690 or +45 31727585

First Published: 07 August 2013 | Latest New: 07 August 2013

Rampion Wind Farm Project – Geotechnical Investigation

Notice is hereby given that Fugro GeoConsulting Limited (Fugro) will be conducting a Geotechnical Investigation within the UK Sector of the English Channel on behalf of E.ON Climate & Renewables UK Limited (E.ON). The Rampion Wind Farm site is one of the Round 3 Zones that have been identified by the Crown Estate as potential areas of Wind Farm Site developments.

The proposed Rampion Wind Farm is located in the eastern English Channel located 13km (8 miles) from the stretch of coast extending from approximately East Worthing in the west to Peacehaven in the east and covers an area of approximately 139km2 within water depths of between approximately 19 and 40 metres.

Fugro will be undertaking the geotechnical site investigation at up to 183 locations within the wind farm area and at 29 locations along proposed export cable route. To carry out this work Fugro will be utilising a number of vessels over a four and a half month period. The MV Markab will commence operations during the week commencing 12th August 2013. The MV Gargano and the Fugro Commander will mobilise to site during August and September 2013. The Willendeavour and the Atlantic Surveyor will commence work on the Cable Route during August 2013 and will undertake Vibrocore and Seabed Cone Penetration Tests. Field works are expected to be complete by January 2014.

An enhanced Notice to Mariners has been submitted to the UK Hydrographic Office, Kingfisher, CEFAS and the National Federation of Fishermen’s Organisations for their reference and where applicable distribution. Client, contractor and fisheries liaison contact details are provided in the Notices to Mariners distribution lists.

The following map indicates the limits of the wind farm

<table>
<thead>
<tr>
<th>LAT</th>
<th>LONG</th>
</tr>
</thead>
<tbody>
<tr>
<td>50°42.414'N</td>
<td>000°13.762'W</td>
</tr>
<tr>
<td>50°40.653'N</td>
<td>000°04.437'W</td>
</tr>
<tr>
<td>50°37.782'N</td>
<td>000°03.136'E</td>
</tr>
<tr>
<td>50°35.035'N</td>
<td>000°06.018'W</td>
</tr>
<tr>
<td>50°35.735'N</td>
<td>000°20.178'W</td>
</tr>
<tr>
<td>50°41.189'N</td>
<td>000°21.931'W</td>
</tr>
<tr>
<td>50°42.414'N</td>
<td>000°13.762'W</td>
</tr>
</tbody>
</table>

For further information, please contact: Jonathan Kerr, Email: jonathan@brownmay.com
Humber Gateway Offshore Wind Farm – Cone Penetration approx. 10 miles from Spurn

Dredging operations along the Inshore export cable route on the Humber Gateway Offshore Wind Farm.

<table>
<thead>
<tr>
<th>Company, Vessel &amp; Call Sign</th>
<th>Area</th>
<th>Area</th>
<th>Start Timeframe &amp; Duration</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>EON Black Hoe Dredger Manu Pekka Terramare 1</td>
<td>1. 53°38.782'N 000°07.957'E</td>
<td>3. 53°38.716'N 000°07.951'E</td>
<td>02nd August 2013 Until 30th August 2013</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. 53°38.765'N 000°08.866'E</td>
<td>4. 53°38.700'N 000°08.961'E</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For further information, please contact: Gordon Bain, Eon Tel: +44(0) 7787241442 or Nigel Proctor (Fisheries Liaison) Tel: +44(0) 7702730891

Humber Gateway Offshore Wind Farm – Boulder Removal Operations

<table>
<thead>
<tr>
<th>Company, Vessel &amp; Call Sign</th>
<th>Area</th>
<th>Area</th>
<th>Start Timeframe &amp; Duration</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>EON MV Atlantic Carrier ELEE3</td>
<td>1. 53°40.100'N 000°14.810'E</td>
<td>4. 53°35.630'N 000°16.900'E</td>
<td>19th July 2013 - 30th August 2013</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. 53°41.030'N 000°19.840'E</td>
<td>5. 53°35.280'N 000°16.240'E</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3. 53°38.020'N 000°19.840'E</td>
<td>6. 53°36.780'N 000°16.280'E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EON Scotia W MWAM</td>
<td>1. 53°44.000'N 000°09.517'E</td>
<td>3. 53°33.867'N 000°15.667'E</td>
<td>8th July 2013 - 30th March 2014</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2. 53°45.917'N 000°18.433'E</td>
<td>4. 53°35.767'N 000°24.583'E</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For further information, please contact: Gordon Bain, Eon Tel: +44(0) 7787241442 or Nigel Proctor (Fisheries Liaison) Tel: +44(0) 7702730891
Dogger Bank Creyke Beck – Section 48, Planning Act 2008

Forewind Limited Dogger Bank Creyke Beck

Section 48, Planning Act 2008 Regulation 4, The Infrastructure Planning

Forewind has now published notice of the proposed application for a development consent order to construct and operate the offshore wind development Dogger Bank Creyke Beck, including the onshore infrastructure near Cottingham, East Riding of Yorkshire. Dogger Bank Creyke Beck is the first stage of development of the Dogger Bank Zone in the North Sea. It comprises two offshore wind farm arrays (Dogger Bank Creyke Beck A and Dogger Bank Creyke Beck B), each with a generating capacity of up to 1.2 gigawatts, and associated infrastructure. Forewind’s proposed application to the Secretary of State seeks development consent for the construction and operation of both.

The full notice can be viewed at:


For further information, please contact: Sue Vincent, Forewind, Tel: 07768 508742 email: sue.vincent@forewind.co.uk

Westermost Rough Offshore Wind Farm Project – Wave and Current Monitoring

Fugro EMU are to deploy one wave buoy and two accompanying guard buoys for the Wave and Current Monitoring of the Westermost Rough Offshore Wind Farm Project.

Marine Operations detailing the deployments which are scheduled to go ahead in the weeks following August 2nd 2013.

<table>
<thead>
<tr>
<th>Buoy Type</th>
<th>LAT</th>
<th>LONG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wave Buoy</td>
<td>53°50.261'N</td>
<td>00°09.656'E</td>
</tr>
<tr>
<td>Marker Buoy 1</td>
<td>53°50.261'N</td>
<td>00°09.577'E</td>
</tr>
<tr>
<td>Marker Buoy 2</td>
<td>53°50.261'N</td>
<td>00°09.735'E</td>
</tr>
</tbody>
</table>

We kindly request a 250 metre clearance distance to be given at each of the wave buoy deployment sites.

For further information, please contact: Chloe Bodemeaid, Fugro EMU Limited, Tel: +44(0)2392 205 500 email: chloe.bodemeaid@fugroemu.com
Dudgeon Offshore Wind – Geophysical Survey

Geophysical and UXO survey of proposed wind farm site and cable route.

<table>
<thead>
<tr>
<th>Company, Vessel &amp; Call Sign</th>
<th>Area Covered</th>
<th>Start Timeframe &amp; Duration</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fugro Emu Ltd</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clupea MZFS9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. 53°01.552'N 1°14.441'E</td>
<td>10. 53°20.320'N 1°20.940'E</td>
<td>26th April 2013</td>
<td></td>
</tr>
<tr>
<td>2. 52°56.944'N 1°06.777'E</td>
<td>11. 53°16.734'N 1°28.666'E</td>
<td>01st Sept 2013</td>
<td></td>
</tr>
<tr>
<td>3. 52°57.112'N 1°07.600'E</td>
<td>12. 53°15.598'N 1°28.564'E</td>
<td>For 130 Days</td>
<td></td>
</tr>
<tr>
<td>4. 53°02.009'N 1°13.485'E</td>
<td>13. 53°14.256'N 1°28.962'E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. 53°14.322'N 1°20.879'E</td>
<td>14. 53°13.722'N 1°27.959'E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. 53°13.505'N 1°22.445'E</td>
<td>15. 53°11.395'N 1°27.761'E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. 53°15.107'N 1°16.961'E</td>
<td>16. 53°11.099'N 1°27.382'E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. 53°18.469'N 1°17.254'E</td>
<td>17. 53°11.492'N 1°26.570'E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. 53°19.498'N 1°18.377'E</td>
<td>18. 53°11.408'N 1°24.977'E</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Race Bank Offshore Wind Farm – Geotechnical Investigation

<table>
<thead>
<tr>
<th>Company, Vessel &amp; Call Sign</th>
<th>Area</th>
<th>Area</th>
<th>Start Timeframe &amp; Duration</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Centrica</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MPV Shake Dog</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MV Neptune</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. 53°13.230'N 000°53.750'E</td>
<td>6. 53°20.180'N 000°49.210'E</td>
<td>02 July 2013</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. 53°15.280'N 000°47.370'E</td>
<td>7. 53°17.550'N 000°50.340'E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. 53°17.580'N 000°46.580'E</td>
<td>8. 53°15.720'N 000°55.990'E</td>
<td></td>
<td>31 August 2013</td>
<td></td>
</tr>
<tr>
<td>4. 53°18.130'N 000°44.720'E</td>
<td>9. 53°13.230'N 000°53.750'E</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. 53°20.090'N 000°44.820'E</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Westermost Rough Offshore Wind – Boulder Relocation Works**

<table>
<thead>
<tr>
<th>Company, Vessel &amp; Call Sign</th>
<th>Area Covered</th>
<th>Start Timeframe &amp; Duration</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>MV Peter Madsen Call Sign: OZDI2</td>
<td>1. 53°46.808'N 000°01.282'E</td>
<td>8th July 2013</td>
<td>5.3.46.808N 000°01.282'E</td>
</tr>
<tr>
<td>MV Elisabeth Hoej Call Sign: OYRQ2</td>
<td>2. 53°47.056'N 000°03.013'E</td>
<td>8th July 2013</td>
<td>5.3.47.056N 000°03.013'E</td>
</tr>
<tr>
<td>MV Peter Madsen Call Sign: OZDI2</td>
<td>3. 53°47.284'N 000°04.530'E</td>
<td>8th July 2013</td>
<td>5.3.47.284N 000°04.530'E</td>
</tr>
<tr>
<td>MV Peter Madsen Call Sign: OZDI2</td>
<td>4. 53°47.362'N 000°06.082'E</td>
<td>8th July 2013</td>
<td>5.3.47.362N 000°06.082'E</td>
</tr>
<tr>
<td>MV Peter Madsen Call Sign: OZDI2</td>
<td>5. 53°48.586'N 000°06.123'E</td>
<td>8th July 2013</td>
<td>5.3.48.586N 000°06.123'E</td>
</tr>
<tr>
<td>MV Peter Madsen Call Sign: OZDI2</td>
<td>6. 53°47.627'N 000°07.394'E</td>
<td>8th July 2013</td>
<td>5.3.47.627N 000°07.394'E</td>
</tr>
<tr>
<td>MV Peter Madsen Call Sign: OZDI2</td>
<td>7. 53°46.789'N 000°08.522'E</td>
<td>8th July 2013</td>
<td>5.3.46.789N 000°08.522'E</td>
</tr>
<tr>
<td>MV Peter Madsen Call Sign: OZDI2</td>
<td>8. 53°49.169'N 000°08.023'E</td>
<td>8th July 2013</td>
<td>5.3.49.169N 000°08.023'E</td>
</tr>
<tr>
<td>MV Peter Madsen Call Sign: OZDI2</td>
<td>9. 53°48.001'N 000°09.412'E</td>
<td>8th July 2013</td>
<td>5.3.48.001N 000°09.412'E</td>
</tr>
<tr>
<td>MV Peter Madsen Call Sign: OZDI2</td>
<td>10. 53°47.582'N 000°10.830'E</td>
<td>8th July 2013</td>
<td>5.3.47.582N 000°10.830'E</td>
</tr>
<tr>
<td>MV Peter Madsen Call Sign: OZDI2</td>
<td>11. 53°50.092'N 000°09.869'E</td>
<td>8th July 2013</td>
<td>5.3.50.092N 000°09.869'E</td>
</tr>
<tr>
<td>MV Peter Madsen Call Sign: OZDI2</td>
<td>12. 53°48.952'N 000°10.976'E</td>
<td>8th July 2013</td>
<td>5.3.48.952N 000°10.976'E</td>
</tr>
<tr>
<td>MV Peter Madsen Call Sign: OZDI2</td>
<td>13. 53°48.041'N 000°11.744'E</td>
<td>8th July 2013</td>
<td>5.3.48.041N 000°11.744'E</td>
</tr>
</tbody>
</table>

**For further information, please contact:** Lasse Hartvig Hirsch, Westermost Rough Ltd, Email: LASHI@dongenergy.dk

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**Westermost Rough Offshore Wind – Fish and Shellfish Survey**

<table>
<thead>
<tr>
<th>Company, Vessel &amp; Call Sign</th>
<th>Area Covered</th>
<th>Start Timeframe &amp; Duration</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dong Huntress 2ETP3</td>
<td>1. 53°50.575'N 0'09.615'E</td>
<td>12th June 2013</td>
<td>5.3.50.575N 0°09.615'E</td>
</tr>
<tr>
<td>Dong Huntress 2ETP3</td>
<td>2. 53°47.982'N 0°12.743'E</td>
<td>12th June 2013</td>
<td>5.3.47.982N 0°12.743'E</td>
</tr>
<tr>
<td>Dong Huntress 2ETP3</td>
<td>3. 53°46.131'N 0°08.365'E</td>
<td>12th June 2013</td>
<td>5.3.46.131N 0°08.365'E</td>
</tr>
<tr>
<td>Dong Huntress 2ETP3</td>
<td>4. 53°48.722'N 0°05.235'E</td>
<td>12th June 2013</td>
<td>5.3.48.722N 0°05.235'E</td>
</tr>
</tbody>
</table>

**For further information, please contact:** Lasse Hartvig Hirsch, Westermost Rough Ltd, Email: LASHI@dongenergy.dk

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**Hornsea Offshore Wind Farm – Survey Activities**

**Buoys**

A directional wave rider (DWR) buoy is located at Schooner Field (location 7a) and will be serviced at 6 monthly intervals, and remain in place until further notice. The DWR 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. The DWR buoy is moored to the seabed through a series of rubber compliant sections at the sea surface and a plaited rope riser line throughout the water column. 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.
For ‘live’ Kingfisher updates of all Cable & Wind Farm activities, please visit www.kis-orca.eu

<table>
<thead>
<tr>
<th>Location</th>
<th>Name</th>
<th>Equipment</th>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>7a</td>
<td>Schooner Field</td>
<td>DWR buoy</td>
<td>53° 53.367’N</td>
<td>01° 59.100’E</td>
</tr>
</tbody>
</table>

**Met Mast**

A meteorological mast is located at the position: 53°53.143’N 001°59.497’E

In Foggy conditions the fog detection and control system is diverting the primary navigation lights and fog horn to the emergency navigation lights and fog horn. Be extra vigilant when navigating in adverse foggy conditions in the met mast area. Smart Wind can confirm that the aviation light is operational.

For a copy of the Kingfisher Awareness Flyer for the Hornsea Offshore Wind Farm, please click on the link below, or visit www.kingfishercharts.org

Kingfisher Awareness Flyer: Hornsea Offshore Wind Farm

For further information, please contact: Chris Jenner, Tel: 07889410553, Email: Chris.Jenner@mainstreamrp.com, OR Hornsea Zone Onshore Fisheries Liaison Officer: Nick Garside, NFFO Services Ltd, Tel: 01904 635 432, Email: nick.garside@live.co.uk

First Published: 19 April 2013 | Latest Update: 19 April 2013

**East Anglia Offshore Wind – Metocean Monitoring**

Please be advised that the first of the (*)waveriders within the East Anglia Zone has been relocated as it has unfortunately been hit on a couple of occasions.

<table>
<thead>
<tr>
<th>Buoy Type</th>
<th>Latitude</th>
<th>Longitude</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waverider</td>
<td>52° 52.415’N</td>
<td>02° 53.680’E</td>
</tr>
<tr>
<td>Waverider</td>
<td>52° 36.320’N</td>
<td>02° 46.490’E</td>
</tr>
<tr>
<td>Waverider</td>
<td>52° 18.620’N</td>
<td>02° 27.560’E</td>
</tr>
<tr>
<td>AWAC</td>
<td>52° 52.390’N</td>
<td>02° 53.730’E</td>
</tr>
<tr>
<td>AWAC</td>
<td>52° 33.350’N</td>
<td>02° 46.430’E</td>
</tr>
</tbody>
</table>

For further information, please contact: Jonathan Keer, Tel: +44(0)1379 870 181, email: jonathan@brownmay.com
Seabed Activity – Seabed acoustic fish tracking landers

The 6 seabed acoustic fish tracking landers are now deployed (since 7 July 2013) just outside the perimeter of the Wave Hub site, Cornwall. Each lander is situated ~250m clockwise of the Wave Hub Special Marks, except for the southwest corner (lander 3) where allowance of the Wave Hub 500m exclusion zone has been accommodated. Lander are 2.4m tall tripods and weigh 670kg. They will be coupled with acoustically tagged fishes.

<table>
<thead>
<tr>
<th>Location</th>
<th>LAT</th>
<th>LONG</th>
</tr>
</thead>
<tbody>
<tr>
<td>NW</td>
<td>50°22.873'N</td>
<td>05°37.567'W</td>
</tr>
<tr>
<td>Mid West</td>
<td>50°21.888'N</td>
<td>05°37.567'W</td>
</tr>
<tr>
<td>SW</td>
<td>50°21.107'N</td>
<td>05°37.390'W</td>
</tr>
<tr>
<td>SE</td>
<td>50°20.810'N</td>
<td>05°35.263'W</td>
</tr>
<tr>
<td>Mid East</td>
<td>50°21.805'N</td>
<td>05°35.779'W</td>
</tr>
<tr>
<td>NE</td>
<td>50°22.855'N</td>
<td>05°36.025'W</td>
</tr>
</tbody>
</table>

For further information, please contact: Dr Stephen Cotterell at the Marine Biological Association +44(0)1752 633207 email scotterell@mba.ac.uk
web http://www.mba.ac.uk/simslab
The West of Duddon Sands offshore windfarm is a joint venture between DONG Energy West of Duddon Sands (UK) Limited and ScottishPower Renewables (WoDS) Limited.

Construction

DIVERS from the Dive Support Vessels TERRAMARE 1 and HBC SUPPORTER will operate as and when required inside of the WoDS Wind Farm perimeters, inside the WALNEY 1&2 and BARROW Wind Farm perimeters and along the Export Cable Routes and mariners should note that a minimum 500 meter Safety Exclusion Zone will be in force around these vessels at all times whenever they are on site at any location.

68 TURBINE FOUNDATIONS AND TRANSITION PIECES HAVE BEEN INSTALLED A01, A02, A04, A06, A07, A08, A09, A10, A11, A12, B01, B02, B03, B06, B07, B08, B09, B10, B11, B12, C01, C02, C03, C06, C07, D01, D02, D03, D05, D06, E01, E02, E08, E11, F01, F10, F11, F12, F13, F14, G02, G03, G04, G11, G12, G13, H01, H07, H10, H11, H12, H13, I01, I06, I07, I08, I10, I11, I12, J01, J06, J08, J09, J10, J11, J12, K07, K08.

‘PACIFIC ORCA’ currently in Belfast to re-load and carry out some maintenance work, expected back on site shortly.

‘SEA INSTALLER’ is at Vlissingen Holland to mobilise for the installation of Turbines and blades and can be expected back on site shortly.

Export Cable Lay

The Cable Lay vessel STEMAT SPIRIT can be expected back on site at the end of August to lay and bury the Northern Cable from the Sub-Station in to the jointing position at KP9. The Northern EXPORT CABLE has been laid and buried from the landfall position at Middleton Sands out to the jointing position at KP9. The Southern EXPORT CABLE has been laid and buried from Middleton Sands all the way to the Sub-Station.

There are positions of exposed cable as detailed below:

1) The Barrow Export Cable crossing and the splice lay down position at KP9, Heysham lake/Lune Deep area, which are being guarded by the Guard Vessel HEADWAY.
2) The WALNEY 2 Export Cable crossing and the two gas pipeline crossings, just to the north of Barrow Wind Farm, which are being guarded by the Guard Vessel OCEANUS.

Both of these vessels will keep a listening watch on VHF Channels 16 & 12 and can be contacted for information on the exposed cable positions only, HEADWAY will also monitor VHF Channel 14.

Both of the EXPORT CABLES are laid and buried from the landfall position at Middleton Sands out to KP9 except where the Cable crosses the Barrow Export Cable. Barrow Export Cable Crossing Area:

Wave Rider Buoy – Lune Deep

There is a Wave Rider Buoy in Lune Deep in position: 53°59.072’N 003°01.80’W.

Cardinal Buoys Marking The Boundary Of The Wind Farm

The South West Cardinal Buoy has the top mark missing, this will be rectified by Trinity House, expected: 4th - 9th July 2013.

Boundary of Location Activities :

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Latitude</td>
<td>Longitude</td>
<td></td>
</tr>
<tr>
<td>54°00.15’N</td>
<td>003°33.52’W</td>
<td></td>
</tr>
<tr>
<td>54°01.78’N</td>
<td>003°26.67’W</td>
<td></td>
</tr>
<tr>
<td>53°58.35’N</td>
<td>003°22.80’W</td>
<td></td>
</tr>
<tr>
<td>53°58.64’N</td>
<td>003°25.37’W</td>
<td></td>
</tr>
<tr>
<td>53°56.72’N</td>
<td>003°29.33’W</td>
<td></td>
</tr>
</tbody>
</table>

For a copy of the Kingfisher Awareness Flyer for the West of Duddon Sands Offshore Wind Farm, please contact the undersigned. Alternatively, click on the link below, or visit www.kingfishercharts.org

Kingfisher Awareness Flyer: West of Duddon Sands Offshore Wind Farm

In case of emergency, please contact: Dan Torben Christensen, Dong Energy, Tel: +44(0)7528921388 email: danch@dongenergy.dk
Gwynt y Môr Offshore Wind Farm – Construction Activities

The Gwynt y Môr Offshore Wind Farm Project is located between 15km to 20km off the coast of North Wales in the Liverpool Bay area of the Irish Sea. It is adjacent to RWE Innogy’s North Hoyle and Rhyll Flats offshore wind farms. The consented site covers an area of 124km². The water depth ranges from 12m to 28m LAT with a tidal range of 8.5m.

Wave Rider Buoy: this will be installed by the vessel MV Saint David at location 53°28.618’N 3°30.191’W. The installation vessel has not yet been determined.

Gwynt y Môr

The buoys are equipped with electronic equipment for monitoring windspeed and wave climate. All vessels are asked to observe a 500m exclusion zone around the installation vessels during installation works. The MV Saint David and other vessels involved in installation of these buoys will monitor VHF Channel 16 at all times.

Activities due to commence:

On the 18th July 2013, engineers are due to be carrying out electrical commissioning work on the Offshore Substation East within the Gwynt y Môr windfarm area. All vessels are requested to observe a 500m exclusion zone around the OSPE from 0900 onwards on the 18th July.

The latitude and longitude of the OSPE substation is:-    53° 27.94’N   03°32.44’W

• Freidriech Ernestine and support vessels will continue with monopile cleaning and TP installation after departing from Cammell Laird dock.
• Stanslav Yudin and support vessels Bremen Fighter and Smit Angola will continue with foundation installation duties
• Wind Solution will remain at anchor position to the south of Gwynt y Môr (see our previous notice here).
• Sea Jack and Sea Worker turbine installation vessels will continue with wind turbine installation (see our previous notice here).
• Penrhyn Bay, Colwyn Bay, Caernarfon Bay, Abersoch Bay, Porth Dinllaen, Porth Diana, Gardian, Gallion, Chinook, Scirocco and Endurance will be utilised as Crew Transfer Vessels when required sailing from Liverpool Mersey and Canada Dock 3.
• Penrhos Bay and Tremadoc Bay will provide 24 hour Emergency Rescue Team cover. Endurance will join the rest of the flotilla based at Liverpool next week.
• Kimmel Bay, Athenia, Adventure, Endeavour, Captain P, Commodore P, Montrose Marine and Buzzard CTVs are sailing from Mostyn.
• Normand Torjoe will continue diving operations including work with the Polar Prince to aid installation of array cables.
• Polar Prince will continue with cable laying operations.
• Isaclade will continue performing guard duties and will be used as the Marine Mammal Observation vessel as and when required.
• JB114 will continue with drilling operations at Gwynt y Môr windfarm...
• Smit Buffalo and Smit Bulldog will continue moving barges around the wet basin for loading of components for Stanslav Yudin.
• Union Fighter, UR7 & UR3 will continue to deliver components to the Stanslav Yudin as required.
• Wilson Sea (coaster) will be on stand by to assist Stanslav Yudin as required.

Buoy Type | Position | Buoy Type | Position
--- | --- | --- | ---
Red Can | FR R 2.5s | North Cardinal VQ | 53°29.735N 003°31.710W
Special Mark Ph Y 2.5s | 53°26.870N 003°39.000W | Special Mark Ph Y 2.5s | 53°28.300N 003°26.340W
West Cardinal VQ(t) 10s | 53°26.832N 003°42.129W | East Cardinal VQ(3) 15s | 53°27.130N 003°27.078W
West Cardinal Q(1) 15s | 53°28.303N 003°40.772W | Special Mark Ph Y 2.5s | 53°26.015N 003°32.880W
North Cardinal Q | 53°29.670N 003°36.857W

Jack up vessel JB114 re-tasked - Please be advised that the jack up vessel, JB-114, will be re-tasked from August 4th 2013 to carry out infield foundation drilling works at various locations within the boundary of Gwynt y Môr Offshore Windfarm. The JB-114 will be supported by the AHT Siril Barracuda. When on location this vessel will require a 500m exclusion zone to be observed at all times. During transit to/from the port of Liverpool the appropriate clearance for a tug and tow should be observed. The vessel will monitor VHF CH 16 at all times

Anchoring of the hotel vessel “Wind Solution” Duration: The “Wind Solution” will be anchored in position from 05 June 2013 until further notice

For a copy of the Kingfisher Awareness Flyer for the Gwynt Y Mor Offshore Wind Farm, please contact the undersigned. Alternatively, click on the link below, or visit www.kingfishercharts.org

Kingfisher Awareness Flyer: Gwynt Y Mor Offshore Wind Farm

For further information, please contact: Lee Cornwell, RWE npower renewables, Mob: +44 (0) 7557 319473, Email: lee.cornwell@rwe.com
Walney 1, 2 & Extension Offshore Wind Farm – Construction Activity / Consultation

The exposed section of cable that was laid on the seabed between Turbine position E03 and the Sub-Station, inside WALNEY 1, has now been buried.

Fishermen are requested to keep clear of the area within WALNEY 1 where the cable has been buried, between Turbine position E03 and the Sub-Station, for at least one month in order for the ground to settle and for the cable burial to be monitored.

Any mariners, including fishermen, who do decide to navigate through the Wind Farm do so at their own risk, they are advised to familiarize themselves with the latest navigation or survey information issued about the Wind Farm before doing so and communicate with the service vessels on VHF Channel 16 or 12.

All of the Turbines at the WALNEY 1 & 2 OFFSHORE WIND FARM are operational and switched to automatic and producing power to the National Grid. All of the other power cables are buried (both infield and export) and anybody who is unsure of the ROCK DUMP positions along the export cable routes should contact the undersigned.

Marker Buoys for Wet Storage Area

The 4 Buoys marking what was the wet storage area inside of Walney 2 are still in place although there are no anchors or obstructions on the seabed.

Position of Wet Storage Buoys

54°04.380’N | 003°37.480’W

These Buoys are equipped with solar powered quick flash lights and will be removed at some future date. Until notice has been given that these buoys have been removed all mariners, and especially fishermen, wishing to navigate within the Wind Farm for whatever reason are advised to note these positions and enter them on their charts / plotters and keep clear.

For a copy of the Kingfisher Awareness Flyers for the Walney Offshore Wind Farms, please contact the undersigned. Alternatively, click on the link below, or visit www.kingfishercharts.org

Barrow Offshore Wind Farm – Operations

Please note, there are exposed sections of cable (or Cable Buried to less than 0.2M). Please refer to KFB 14/2012 for these locations.

All of the Turbines at the BARROW OFFSHORE WIND FARM are operational and switched to automatic providing power to the National Grid. The work to repair the fault on the Inter-Array or Infield Cable is now complete and all Navigation and Aviation Lights are working as normal.

The only vessels engaged on any work inside the Wind Farm at this time are small service vessels operating as and when required (depending on weather) and they can be contacted on VHF Channels 16 & 12 for information relating to vessel movements only.

In the interests of safety mariners are requested not to anchor within at least 500 meters of the wind farm perimeter and, because there is a danger of exposed power cable on the seabed close to some of the turbine structures, fishermen are requested to observe the agreed extended safety zone of 100 meters around each turbine and the need to exercise extreme caution when operating in the vicinity of any of the wind farm turbines.
Ormonde Wind Farm – Construction / Activities

All of the Turbines at the ORMONDE WIND FARM are operational and switched to automatic providing power to the National Grid. The 4 temporary buoys that were marking the perimeter of this Wind Farm have now been removed leaving only the two permanent buoys in position:

- South corner: 54°03.790’N 003°25.430’W Characteristics: Q(6)+ LF1 15 sec White Light - range 5 miles
- West corner: 54°05.510’N 003°28.690’W Characteristics: Q(9) 15 sec White Light - range 5 miles

Small work boats are operating inside the Wind Farm on general maintenance as and when required, and as weather permits, and can be contacted on VHF Channels 16 & 12 for information relating to vessel movements only.

For a copy of the Kingfisher Awareness Flyer for the Ormonde Offshore Wind Farm, please contact the undersigned. Alternatively, click on the link below, or visit www.kingfishercharts.org

Kingfisher Awareness Flyer: Ormonde Offshore Wind Farm

For further information, please contact: Tom Watson, Tel: 01253 875565, Mob: 07903 173 624

Shell Flats Bank – Malfunction to Navigation and Aviation Lighting

The two special marker buoys are now marking the 50m mast on the Shell Flats Bank and will remain in position until the Aviation lights on this mast have been repaired. The buoys are deployed approx. 75m either side of the mast on a North and South orientation.

Positions of the two buoys:

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Longitude</th>
<th>Buoy</th>
</tr>
</thead>
<tbody>
<tr>
<td>53°51.600’N</td>
<td>003°17.700’W</td>
<td>North Mast Special Mark</td>
</tr>
<tr>
<td>53°51.600’N</td>
<td>003°17.700’W</td>
<td>South Mast Special Mark</td>
</tr>
</tbody>
</table>

The Navigation Lights at the 80m mast have now been repaired, the aviation lights at this mast are still not working.

The Navigation and Aviation lights on 50m mast are not working.

Characteristics of the Special Marker Buoys - Flashing sequence: 0.5s ON & 2s OFF. Flash colour: Yellow. The two Metrological Masts are situated at the following positions:

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Longitude</th>
<th>Mast</th>
</tr>
</thead>
<tbody>
<tr>
<td>53°52.423’N</td>
<td>003°12.133’W</td>
<td>80m</td>
</tr>
<tr>
<td>53°51.600’N</td>
<td>003°17.663’W</td>
<td>50m</td>
</tr>
</tbody>
</table>

For further information, please contact: Tom Watson, Tel: 01253 875565, Mob: 07903 173 624