



This template is intended to be used in conjunction with a Band 1 Marine Licence application. Please complete each section below following the guidance provided (max 500 words per section). For any queries relating to this template please contact: marinelicensing@cyfoethnaturiolcymru.gov.uk

1. Summary

Please provide a brief summary of the application including location of the works (coordinates - lat/long, decimal degrees). For activities that cover a large area please provide coordinates of the approximate extent of works.

Milford Haven Port Authority, the statutory harbour authority for Milford Haven propose minor repairs and refurbishment of six navigation beacons fastened to the seabed in the Milford Haven Waterway. The works are essential for maintaining navigational safety in the Have and meeting the requirements of Trinity House.

The piles on the navigation beacons were inspected underwater in 2018 and found to be generally in good condition. However, the coating is now starting to break down in places. The life of the piles could therefore be extended by the installation of anodes on the piles. Five of the six navigation beacons will have anodes installed.

Previous correspondence with Natural Resources Wales (NRW) Marine Licencing Team (see **5_Consultation with NRW** attached) has confirmed that a Band 1 Marine Licence is required for the installation of anodes. NRW view the installation of anodes as an 'enhancement'. The other works in the project are considered to fall under maintenance and would be considered an exempt activity under the Marine Licensing (Exempted Activities) Order 2011 (see **6_Enquiry: Marine Licence Exemption Note** attached).

The five navigation beacons requiring anode installation works are: Carr Spit Beacon – (Lat 51.7017, Long -4.9633); Dock Yard Bank Beacon – (Lat 51.7016, Long -4.9533); Llanreath Beacon – (Lat 51.6933, Long -4.9633); Pennar Beacon – (Lat 51.6933, Long -4.9717); Wear Spit Beacon – (Lat 51.6967, Long -4.9800) using coordinate system WGS84 (see **2_Navigation Beacon Locations Drawing** attached).

2. Scope of works

Please provide a full description of all proposed works including:

- Sequence of works (mobilisation, marine works, site remediation (if required))
- Estimated timing of works (duration, working hours, day/night, plus contingency)
- Plant, machinery or vessel required
- Estimated quantities (removals, deposits, construction materials)

The dive team will be mobilised to the vessel at Milford Docks (see **4_Access and Working Area Image** attached). Once ready the vessel will proceed out of Milford dock to the beacons. It is anticipated that the work will be carried out over two days, this is mainly to do with the Llanreath beacon location where the vessel will need to ground at low tide, therefore will take most of one day. The remaining four beacons will be fitted with the anodes and straps over a full working day.

The vessel will proceed to each beacon, once alongside the spud legs (one forward and one near the stern of the vessel) will be lowered to the bottom of the bed, thus, holding the vessel on location. Once in position all running machinery (main engines) will be shut down and locked off prior to diving works taking place.

The jack up barge / vessels utilised during the works, when jacked up, will exhibit signals in accordance with the UK Standard Marking Schedule for Offshore Installations.

The dive team will work from the deck of the vessel, with the use of the man riding basket to lower / hoist the diver in / out of the water. There will also be a access ladder rigged over the side should the diver need to utilise at the same time.

The diver will run a line around the pile and lash off, this will be used to slot the bottom tab of the anode in which will hold the anode in position whilst the top band strap is fitted (see **7_Smart Band Technical Data Sheet** attached) with a Smart® Band fitting tool (see **8_Smart Band Manual Fitting Tool Technical Data Sheet** attached). Once the top band strap has been fitted the diver will then fit the bottom holding strap.

The same process will be completed on the remaining beacons until all are fitted in place.

All plant and equipment will be carried aboard the vessel and contained on the vessel deck.

The anode material composition would be Aluminium-Zinc-Iodine. As the coatings are starting to breakdown it would be suggested that a view is taken to provide a protection with a 10 to 15-year life.

3. Access and working areas

Please provide details of access to the site and working areas. This should include:

- Attached map of the access/egress route and working areas (annotated aerial image and/or OS map)
- Predicted plant/vehicle movements
- Storage areas for plant, equipment and materials (if required)
- Risks to navigation

This Band 1 Marine Licence is covering the installation of the anodes on the five navigational beacons. As such, the vessel access route and working areas are not considered in the marine licence application as that forms part of the exempt works.

A Multicat vessel will be loaded in Milford Docks (see 4_ **Access and Working Area Image** attached) on the west side of the port which has public access. The dive team will be mobilised to the vessel at Milford Docks. All plant and equipment will be carried aboard the vessel and contained on the vessel deck. The dive team will set up all equipment on the deck of the vessel.

A notice to mariners will have been already been distributed by the Port of Milford prior to the diving works taking place, thus informing all mariners, users and commercial craft of this operation being carried out. Prior to any diving, on the morning of the day allocated to dive, the diving supervisor will visit Milford Marine control and sign on all permissions to dive. On completion of diving works, the dive supervisor will again visit Marine control and sign off all dive permissions.

The Multicat vessel will be flying flag 'ALPHA' to warn other users 'I have divers down, please Keep Well Clear and at low speed'). VHF contact will be made with Milford Port control, calls will be made prior to the diver entering the water and also when the diver is back out. The calling process will be completed for each location, with Milford port control knowing exactly which beacon the vessel will be working on and when diving is underway. Any vessels in the area that are found to be approaching too close will firstly be contacted on the VHF to inform them of the diving operations, if no contact is made then the diver will be instructed to surface and will be recovered to deck until the situation is resolved.

4. Environmental mitigation

Please list appropriate mitigation measures to minimise impacts on the marine environment these may include:

- *Pollution prevention and control procedure (guidance available at: <http://www.netregs.org.uk/media/1304/gpp-5-works-and-maintenance-in-or-near-water.pdf>)*
- *Spill response kits*
- *Minimise plant traffic*
- *Designated access and egress routes*
- *Storage of materials (fuel, chemicals, construction waste)*
- *Biosecurity (guidance available at <http://www.snh.gov.uk/docs/A1294630.pdf>)*

Note: To assist you, the following mitigation statements will be used as conditions within the licence. By signing this method statement you will be agreeing to adhere to these restrictions. If you are unable to do this, the application will not qualify as Band 1.

- ✓ All equipment, temporary structures, access tracks, waste and/or debris associated with the works will be removed on completion of the works.
- ✓ Bunding, storage facilities and spill kits will be employed to contain and prevent the release of fuel, oils and chemicals associated with the plant, refuelling and construction equipment into the marine environment.
- ✓ Plant, vehicles and machinery will not be refuelled on the foreshore.
- ✓ Coatings and treatments will be suitable for use in the marine environment and are used in accordance with best environmental practice.
- ✓ All equipment, materials, machinery and PPE used will be in a clean condition prior to their arrival on site, and upon removal from site, to minimise risk of introducing non-native species into the marine environment.
- ✓ In the event of removal of any sensitive species or habitat designated by NRW under Schedule 7 of the Environment (Wales) Act 2016, no further removals will occur at that location or within 20m of that location.

Please list your bespoke mitigations here:

All five beacons are located in Sir Benfro Forol / Pembrokeshire Marine Special Area of Conservation (SAC). In addition, Llanreath Beacon and Pennar Beacon are located in, or adjacent to, Milford Haven Waterway Site of Special Scientific Interest (SSSI).

MHPA, as harbour authority, will have oversight of the works and ensure best practice is employed to minimise environmental impacts during the refurbishment of the beacons. For preparation of the surfaces for recoating (i.e. descaling and cleaning), high pressure water jetting systems and air-operated needle guns will be used, carried out from a mobile elevating work platform and man basket with tarpaulin lining to catch falling debris and prevent it from entering the sea. Note, this is part of the wider measures MHPA will employ for the works, but not specifically required for this 'licensable activity'.

5. Additional Information

Please list any additional information that may help with the application:

- Consents/permissions required
- List of plans or drawings attached to method statement
- Emergency procedures
- Contact details

Supporting documents for the method statement:

- 2_Navigation Beacon Location Drawing
- 4_Access and Working Area Image
- 5_Consultation with NRW
- 6_Enquiry: Marine Licence Exemption Note

Other supporting documents for the band 1 application:

- 1_Marine Navigation Beacons Repair – Works and Site Information Report
- 3_Anode Material Drawing
- 7_Smart Band Technical Data Sheet
- 8_Smart Band Manual Fitting Tool Technical Data Sheet
- 9_MCA Confirmation

Agent Contact Details: Mr Ben Hughes, Royal HaskoningDHV UK Ltd.

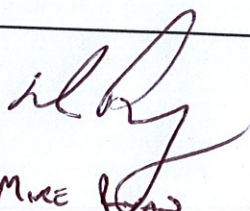
Address: HoneyComb, Edmund Street, Liverpool, L3 9NG

Telephone: 0151 433 0381

Email Address: benjamin.hughes@rhdhv.com

6. Customer details

Signature:



Full name:

Mike Evans

Organisation name (where appropriate): Milford Haven Port Authority

Contact e mail:

Contact phone number:

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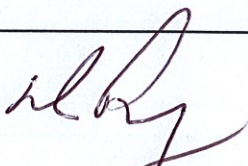
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