

# Marine Licence Applications

## Report No 68. 4 Feb 2023

This report covers applications submitted since 1 Sep 2022. It excludes applications for burial of human remains at sea.

### 1. Applications open for consultation

**Case ref: MLA/2022/00487.** Submitted 3 Nov 2022. Open for consultation till 18 Feb 2023.  
Applicant Name; Staffordshire County Council. Location: River Itchen, east bank.

Centurion Industrial Park Wall

Project background

A preliminary report on the river wall and ground conditions produced in 2017 identified that the wall was in a poor condition, with some areas showing such significant dilapidation that they should be considered as in a failing condition.

As landowner, Staffordshire County Council is keen to replace the River Wall to ensure that the Centurion Park site is properly defended from the River Itchen. As such, a Full Planning Application to reconstruct the river wall along the site boundary with the River Itchen has been submitted.

**Case ref: MLA/2022/00504**

Submitted 16 Nov 2022. Open for consultation till 24 Feb 2023.  
Applicant Name; Diversified Business Communications

Ocean Business is a biannual trade show held at the National Oceanography Centre (NOC), Southampton. The application is for an extension to the existing pontoon, for the period 10 April until 22 April 2023.

Subsequent Ocean Business events in 2025, 2027, 2029, 2031, 2033 will occur between 1st March and 31st April. The exact date varies as Ocean Business (OB) occurs during the University of Southampton Easter Holiday period, i.e. out of student term time.

Ocean Business is an international event, attracting over 4000 people from over 70 countries worldwide.

The pontoon will have neutral impact on the environment, or its surrounds, and will only be in place for a maximum of 13 days.

The pontoon and its installation will be bolted to the existing pontoon and the wall fixings, there will be no disturbance of the seafloor sediment

See website for overview of event [www.oceanbusiness.com/](http://www.oceanbusiness.com/)

## **MLA/2022/00552**

Submitted 15 Dec 2022. Consultation open till 24 Feb 2023. Applicant Marina Developments Ltd

Location: River Itchen, west bank

Ocean Village Marina River Frontage - Repairs to Concrete Esplanade and Sheet Pile Walls

Project background

The river frontage at Ocean Village Marina requires structural repair to prolong the life of the structures. The frontage is made up of 3 structurally distinct areas, as described below:

Description of Structural Areas within Frontage:

- 1) Southern Section - Includes both sides of bullnose return - Sheet pile wall with concrete capping beam. The sheet piles are tied to an existing concrete beam at the rear of the sheet piles.
- 2) Central Section - Esplanade structure of precast concrete construction, with insitu concrete elements. The esplanade walkway at the top of the structure is supported by a concrete frame, split into 41 No. bays, which in turn is supported on a concrete revetment. Both the frame and revetment elements are exposed to the tidal River Itchen.
- 3) Northern Section - Sheet pile wall with concrete capping beam. The sheet piles are tied to a metal wailing beam, which in turn are connected to steel tie rods.

Description of need for each Structural Area within Frontage:

- 1) Southern Section - The ties between the sheet pile wall and concrete beam need to be restored to allow the structural integrity to remain intact.
- 2) Central Section - Concrete repairs to all areas of the structure are required.
- 3) Northern Section - The connections between the tie rods, wailing beam and sheet piles is at end of life and needs to be restored to maintain the future integrity of the structure.

## **2 Applications submitted but not yet open to consultation**

### **MLA/2023/00001**

Submitted 3 Jan 2023. Applicant QED Naval Ltd

Project: Subhub Tidal Platform & Turbine Performance Trials at Yarmouth

Subhub is a submersible, gravity based, seabed mounted platform for tidal turbines. It is designed to support tidal turbines through life from commissioning, installation to site, maintenance and ultimately to quickly and easily decommission the turbines.

The project aims are to establish the enhanced performance characteristics offered by Subhub by measuring flow speeds into the turbines both upstream and downstream and by doing so validating the numerical design models.

Secondly, long term performance of the tidal turbine performance is required to provide confidence in the commercial viability of future projects.

Thirdly, a new Subsea Power Control Unit will be tested with to understand how the turbines can be controlled remotely, and the availability of the turbines are important learning points.

Finally, environmental monitoring equipment, specifically hydrophones, will be used to gather evidence of any environmental impact to marine fauna. The Platform Management System will record environmental loads experienced by the platform in terms forces produced by the tidal turbines and stresses within structure. The data will be correlated with the environmental conditions experienced at the time by flow measurement systems deployed in tandem with Subhub.

The platform will be remotely operated from a moored barge using a service line umbilical directly connected to the Subhub platform on the seabed but can be quickly disconnected and lowered to the seabed so there are no obstructions to navigation at the surface. The clearance draft for Subhub is 9m in 17m of water depth.

This project is part of an EU Interreg project called TIGER which aims to establish the tidal market and supply chain within the Channel region.

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