

Note

HaskoningDHV UK Ltd.
Water & Maritime

To: Natural Resources Wales
From: Luke Evans-Jones
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Our reference: PC1477-RHD-XX-XX-ME-X-0001
Classification: Project related
Checked by

Subject: Dolphin-U Marine Licence Variation

1 Background and context

The subject of this marine licence variation is regarding the replacement of the damaged Dolphin-U monopile at the Pembroke Dock Ferry Terminal ('the proposed development'). This note supports the submission of a variation application for licence CML2270 by outlining how the proposed changes to the design of the replacement dolphin do not affect the previous assessments and conditions.

This approach was requested by Natural Resources Wales (NRW) along with re-submission of the marine licence variation as a complex change.

2 Assessment of marine licence variations

The assessment of marine licence variations is outline in **Table 1**.

Table 1 Assessment of marine licence variations

Element	Existing marine licence	Variation	Impact on previous assessments and conditions
Applicant details	Steve Mathias	Arndt Herrmann	No impact.
Expiry date	December 2024	December 2025	A one-year extension of the marine licence period is necessary to complete the works and is not expected to impact any previous assessments or conditions.
Overall programme	Six weeks	Ten weeks	An additional four weeks of works will increase the period over which potential disturbance impacts could arise. These works will be intermittent within this time and will not constitute an additional four weeks of continuous works. These works will also be conducted within Pembroke Port, an operational port environment. Works will be undertaken from a jack-up barge and vessel movements will not be discernible above baseline levels of shipping and navigation within the Waterway. Works will be undertaken in line with standard industry practice to ensure the marine environment is protected from accidental spills or pollution events.

Element	Existing marine licence	Variation	Impact on previous assessments and conditions
			The addition of four weeks to the programme is not considered to impact any previous assessments or conditions.
Number of piles	One	Five	A nine-day extension to the duration of pile installation is not expected to impact any previous assessments or conditions as percussive piling will not be continuous within this time. The method alternates between drilling and piling and there will be additional non-piling periods during the repositioning of the barge and preparing each of the five piles for piling. It is considered that the total percussive piling required for the five-pile design is not different from the original monopile design. This therefore still represents a short-term and temporary impact on the ecology of the Waterway. As required by the current licence all percussive piling will be undertaken with an initial 'soft-start' period to ensure any potential effects are minimised as far as possible. The change in pile diameter reduces the pile footprint from 3.46m² to 1.4m² and will result in 2.06m² area 'gained' following the removal of the existing pile. This is considered a small positive change to the previous assessment. The alteration of pile number and diameter, and the installation programme, is therefore not expected to impact any previous assessments or licence conditions.
Pile diameter	2.1m	0.6m	
Pile installation duration	Six days	15 days	

3 Conclusions

It is considered that the proposed variations to the design of the dolphin are not expected to impact the previous assessment submitted with the original licence application or require any changes to the condition on the licence.