



City & County of Swansea / Dinas a Sir Abertawe

Directorate Of Place / Cyfarwyddiaeth Lleoedd

Planning and City Regeneration / Cynllunio ac Adfywio'r Ddinas

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Please ask for:

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Date:

19/12/2018

Dear Debbie

Application No: 2018/2430/ENQ
Site Location: Swansea Inner West Pier River Tawe Swansea
Proposal: Construction of a retaining wall at Swansea Inner West Pier and subsequent dredge works (Marine Licence Application under Marine and Coastal Access Act 2009)

I refer to your letter dated 12 November, 2018 in respect of an application from Associated British Ports for a Marine Licence under Part 4 of the Marine and Coastal Access Act 2009. I have undertaken consultations with our Pollution Control Team and the Council's Ecology Team and we have the following comments.

Environmental Impact

In respect of potential human health environmental factors, it is understood that in order to re-construct the retaining wall to the Pier will involve significant piling operations which will have noise / vibration issues for local residents such as in Marina Villas / Aurora building. Pollution Control advise that the construction working hours should be restricted to 08.00-18.00 Mon-Fri and 08.00-13.00 Saturday and at no time on Sundays, Bank/Public Holidays unless there are specific reasons why works are required outside of these times. Given the location of the works, it is assumed the contractors may be restricted by tides so details on what the proposed working patterns would be required.

It is understood a Construction Management Plan would be submitted to NRW prior to works commencing. This would be something our Pollution Control team would want to comment on also. There are residential properties in close proximity and the piling method chosen has high noise and vibration levels and Pollution Control would expect the management plan to contain the following details:

- A detailed description of the construction works, including overall timescales as well as a weekly construction program identifying key phases of works like piling.
- Details and specifications of plant and equipment. Noise levels for proposed plant should, ideally, be taken from the DEFRA "Noise Database for Prediction of Noise on Construction and Open sites" tables or from BS5228 2014.
- A method statement for each stage of works and details of what plant will be operating together with likely duration of their use and hours of their use. Consideration will need to be given to the BPM to be used to mitigate any noise/vibration impacts of the works (Section 72 of the Control of Pollution Act 1974).

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I dderbyn yr wybodaeth hon mewn fformatt arall, cysylltwch a'r person uchod.*

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- Determine noise sensitive receptor locations and anticipated noise monitoring positions, highlighted on a plan/map (to be agreed with the Pollution Control Team). A receptor location may be residential or commercial premises.
- Calculations should be undertaken to determine the predicted noise and vibration levels of the construction activities at each receptor location. It is recommended that the predictions are calculated by an acoustics specialist. These calculations will identify predicted noise and vibration levels at sensitive receptors in the locality and consideration will be given to the potential for incorporating mitigation measures into the work scheme in accordance with BPM.

It may also be worth mentioning it would be sensible for the contractor to survey the nearby buildings for damage before and after piling in case of claims for damage caused by vibration.

It is indicated that as the Council are responsible for the Barrage and fish pass, Pollution Control have queries the proposed time for the dredging between June – September 2019. Pollution manage the dredging of the bed in the impoundment (water above the barrage) and are used to applying for a marine licence. As it is a migratory fish river, they are restricted when they can dredge and have to avoid the time when there are likely to be the most fish movements. Whilst it is acknowledged that this dredging is only below the barrage, they would still like to confirm that there are no concerns with regard to fish movements.

Ecology

The Council's Ecology team have made the following the comments:

Harbour porpoise and other marine mammals

As the European protected harbour porpoise *Phocoena phocoena* is regularly recorded in Swansea Bay, any piling works must follow the JNCC protocol for minimising risk of injury to marine mammals from piling noise.

Dredge disposal

The disposed spoil must avoid any sensitive sea bed habitats in Swansea Bay such as honeycomb worm *Sabellaria alveolata* reefs, or protected species such as native oyster *Ostrea edulis*.

Mitigation measures

The mitigation outlined in section 6.2.4 of the Environmental Appraisal (ABPMer, Oct 2018) must be adhered to.

I hope this information is of assistance to you.

Yours sincerely

Liam Jones

LIAM JONES
TEAM LEADER – BAY AREA

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