
Addendum to Swansea Channel Dredging Review of Environmental Factors

Part V of the Environmental Planning and Assessment Act 1979

This 'Addendum to Swansea Channel Review of Environmental Factors' comprises the assessment of those matters affecting or likely to affect the environment by reason of the proposed modification to the activity, as required by **Part 5 of the *Environmental Planning and Assessment Act 1979***

Proposed modification to allowable dredging time following receipt of updated noise monitoring data Swansea Channel Dredging

December 2014

Addendum

The Swansea Channel Review of Environmental Factors (REF) has been prepared Royal Haskoning Australia Pty Ltd for NSW Government Trade and investment (Crown Lands). At the time of preparation of the document there was an assumed 108dBA power output level applied for the purpose of assessing the impact of noise on surrounding residents. This assumed power output level was used to develop operation zones with specific operation times (day/evening/night) so that the noise output of the dredging activity was considered to be at an acceptable level for nearby residence.

A recent assessment undertaken by Spectrum Acoustics on behalf of the dredging contractor indicated actual noise output levels as follows:

- Dredge 78dBA
- Floating Booster Pump 1 85dBA
- Booster Pump 2 85dBA

Note snapshot taken at 1m from source with RION NL21 set to A weight fast response

The power output levels indicated are significantly lower than that assumed power output levels in the REF.

The proposed modification relates to the operation hours specified at Chainage 1720 – 1950 (Day and Evening) and Chainage 1950 – 2050 (Day, Evening, and Night) and is as follows:

- Chainage 1720 – 1950 (Day and Evening) to be changed to 1720 – 1900 (Day and Evening)
- Chainage 1950 – 2050 (Day, Evening, and Night) to be changed to 1900 – 2050 (Day, Evening, and Night)

This will allow for 24hr dredging from chainage 1900 upstream, as opposed to 1950 upstream.

It is considered that changing the operation hours applied to the abovementioned chainage areas will not result in noise levels considered unacceptable for nearby residence.

In addition to noise related operation zones specified in the REF, specific operational noise limits must be adhered to under the Environmental Protection Licence for the project.

On the basis of the updated noise monitoring data, and the noise requirements that are require to be met under the project's Environmental Protection Licences it is concluded that the proposed modification is not likely to significantly affect the environment and therefore an environmental impact statement (EIS) is not required.

This Addendum REF has been prepared with due consideration given to the provisions of the Environmental Planning and Assessment Act 1979.

Prepared by: David Hopper, Environmental Officer



Signature

Section J – Determination

As the person intending to exercise delegation to issue the necessary approvals for the carrying out of the proposed activity, and based on the assessment and conclusions carried out above, it is determined, in terms of the requirement in s. 111 of the *Environmental Planning and Assessment Act 1979* to assess the environmental effect of the proposed modification of the activity to the fullest extent possible, that:

- the environmental impacts of the proposed modification of the hours of construction are such that the activity could take place without any modification.**
- the environmental impacts of the proposed modification are such that the proposed activity could take place, but only if modified in the following manner:
- the environmental impacts of the proposed modification are such that the proposed activity should not take place.
- the environmental impacts of the proposed modification are considered to be significant and should be reviewed further via an Environmental Impact Statement prior to any further decision on whether the activity should take place.

In addition:

- (i) the proposed modification complies with and/or is consistent with relevant specific noise requirements in the Environmental Protection Licence issued by the Environmental Protection Authority for the Swansea Channel Dredging project.

Comment:



Name: Gary Clarke

Position: Manager Coastal infrastructure

Date: 15 December 2014