

From: [Glendon Lee](#)
To: [Melissa Anderson](#)
Cc: [Curtis Gregory](#)
Subject: RE: Bass Point Quarry Extension Project (MP 08_0143) - Modification 2
Date: Tuesday, 13 March 2018 9:37:44 AM

Dear Melissa,

I have reviewed the application on behalf of the Illawarra Shoalhaven Public Health Unit (PHU) and can provide the following comments.

Noise

The PHU recommends that night time noise is minimised to prevent sleep disturbance to residents and reduce the likelihood of long term chronic health impacts on the community. The NSW Road noise policy provides noise goals or assessment levels for residential areas effected by road noise, which are relevant to this proposal. It is recommended the road traffic noise report is reviewed by the NSW EPA noise branch for technical accuracy. The following observations and comments may assist in that review:

- Policies and legislation restrict night time noise to reduce or minimise the impact on residents by limiting sleep disturbance. Impacts can range from annoyance, irritation and tiredness to anxiety, tension and cardiovascular disorders. The NSW Road Noise policy indicates that the individual triggers for and effects of sleep disturbance have not yet been conclusively determined.
- Noise assessment for road traffic noise is intended to be carried out 1m from the façade of the effected residence. Measurements for the traffic noise assessment have been taken in the free field, which will not produce results that are directly comparable to road noise assessment criteria without correction.
- Assessment for sleep disturbance is related to the number of noisy occurrences, the characteristics of the noise intrusion and characteristics of the ambient noise level combined with an assessment of the indoor noise level that they generate. This may require assessment of individual noise intrusions against the average noise level LAeq or the background noise level (LA90). The assessment provided has considered the LA(max) in one location and compared this to the LAeq. Additional assessment is required to demonstrate the potential impact of this proposal on sleep disturbance.
- It is likely that more than 18 houses will be effected by noise from the proposal. Additional assessment should be provided to characterise the noise levels along the route, including at the roundabouts and intersections (Bass Point Quarry Rd to Buckleys Rd, Buckleys Rd to Dunmore Rd and Dunmore Rd to Shellharbour Rd) where trucks will be slowing down and accelerating.
- Additional information is required to explain the USEPA method for predicting LAeq noise levels from traffic. The PHU is not familiar with this method and has not found any direct references to it, although it was found the US Federal Highway

administration has produced a traffic noise prediction model.

- The report notes that the LAeq (1 hour) between 5-6am and 6-7am are 65 and 66dBA respectively in the absence of trucks from the quarry. It is not clear whether this is a modelled level in the absence of all trucks or a measured level in the absence of additional trucks. The noise logs in the traffic noise assessment indicate an LAeq between around 62-65dBA during this period on most days and significantly lower on Sunday 9th July.
- The traffic noise report does not include details of the noise meter used, calibration details or atmospheric conditions during the 7 day monitoring period, which are details usually included in acoustic assessments.
- Additional discussion of noise mitigation measures should be included. Measures include limiting vehicle speed, maintaining road surfaces and preventing engine braking. It should be clarified whether there are any sections along the route where engine braking is required for safety purposes and the driver code of practice updated accordingly. The NSW Road noise policy notes that with the exception of some areas with steep grades the use of engine braking is largely an economic issue.

Air Quality

The report has included a discussion about air quality impacts from the proposal to address concerns identified during public consultation. The PHU acknowledges that this proposal does not increase the total number of authorised truck movements per day and will therefore not significantly alter the air quality impacts. Concerns about dust from road surfaces and truck movements should be dealt with in due course by the NSW EPA and the proponent by implementing and enhancing existing control measures.

Please contact me if you require any further information or would like clarification of any of the matters raised.

Regards

Glendon Lee

Senior Environmental Health Officer

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From: Melissa Anderson [mailto:Melissa.Anderson@planning.nsw.gov.au]
Sent: Friday, 16 February 2018 11:58 AM
To: Glendon Lee <Glendon.Lee@health.nsw.gov.au>; ISLHD-PHU <ISLHD-PHU@health.nsw.gov.au>
Subject: Bass Point Quarry Extension Project (MP 08_0143) - Modification 2

Dear Glendon Lee,

Hanson Construction Materials Pty Limited (the Proponent) has submitted a modification application for the Bass Point Quarry Extension Project, in the Shellharbour City Council local government area.

The modification to development consent involves:

An increase in the maximum number of trucks that may be despatched from the quarry during the morning shoulder period from:

- 23 to 27 trucks between 5 AM and 6 AM (4 additional trucks); and
- 23 to 38 trucks between 6 AM and 7AM (15 additional trucks).

The Statement of Environmental Assessment (EA) may be accessed from the Departments website using the link below:

http://majorprojects.planning.nsw.gov.au/index.pl?action=view_job&job_id=9066

The proposal will be placed on public exhibition from **Thursday 22 February 2018 until Thursday 8 March 2018**.

You are invited to comment on the proposed modification by close of business on **Thursday 8 March 2018**.

You are also invited to include advice on recommended conditions of consent by the above date.

A copy of the Department's exhibition notice is attached for your information.

For further queries, please do not hesitate to contact me on the details below.

Regards
Melissa

Melissa Anderson
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