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20170038.1/0103A/R0/TA

01/03/2017

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ATTN: ANGUS MORTEN

Western Sydney Stadium - Response to EPA Letter 17/95221-01

This letter presents a response to comments raised by the EPA in their letter dated 17/95221-01.

This letter will be formatted as per the EPA recommendations:

EPA Recommendation Point 1

“prepare a noise and vibration impact assessment for the modified Stage 1 of the project”

ALC Response

Condition of Consent C2 of Application SSD 7534 requires that a Construction Noise Management Plan be developed. This plan has been developed and is presented in the Demotion, Excavation and Construction Noise Management Plan with reference 20170038.1/1701A/R0.

An Operational Noise Impact Assessment has been prepared to address Secretary's Environmental Assessment Requirement 13 for Stage 2 and is presented in ALC report with reference 20170038.4/1302A/R0/TA.

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EPA Recommendation Point 2

Identify and adopt a less noisy piling method (example: vibro-piling in those areas where bored piling represents an unacceptable safety risk) other than driven piling.

ALC Response

As per Section 3.3.5 of the Demolition, Excavation and Construction Noise Management Plan and the Lendlease Construction Management Plan, the piling method could be a combination of bored, precast and CFA piling. Bored and CFA piling are the least intrusive forms of piling for both noise and vibration emissions. Precast piles will be avoided on the eastern property boundary unless deemed necessary to avoid an unacceptable safety risk. It is noted that piling of any kind is not predicted to exceed the “*Highly Noise Affected Management Level*” or vibration criteria at the nearest affected receivers, given the considerable distance between the piling works and any affected receiver, in all directions.

EPA Recommendation Point 3

“Adopt intra-day respite periods in close consultation with nearby schools, residences and places of public worship.”

Community consultation is proposed to be undertaken by Lendlease with the nearest affected receivers as per Section 9 of the Demolition, Excavation and Construction Noise Management Plan.

It is noted that EPA Interim Construction Noise Guideline recommends time restrictions are applied in the event that the “*Highly Noise Affected Management Level*” (75dB(A)) is exceeded. However, time restrictions do not need to be applied if only the “*Noise Affected Management Level*” (Background+10dB(A)) is exceeded. Instead, “*reasonable and feasible*” mitigation techniques should be adopted.

Noise and vibration monitors have been installed at the nearest affected receivers in close proximity to the site as a “*reasonable and feasible*” mitigation technique. These monitors have been installed in order to ensure that noise and vibration emissions are recorded and managed in accordance with the Demolition, Excavation and Construction Noise and Vibration Management Plan.

That being the case, it is pre-emptive to apply time restrictions/respice periods, given that the “*Highly Noise Affected Level*” of 75dB(A) is not exceeded.

We trust this information is satisfactory. Please contact us should you have any further queries.

Yours faithfully,



Acoustic Logic Consultancy Pty Ltd
Thomas Aubusson MAAS