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20161666.1/0905A/R1/JS

09/05/2017

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ATTN: ANDREW BUCHANAN

**University of Sydney - Regiment Student Accommodation - Response to
Department of Planning**

This letter has been prepared in response to the NSW Environment Protection Authority submission dated 7 April 2017 for the Regiment Student Accommodation project.

Item 2.2.1 – General Construction Hours

The University would request that construction hours be extended to include 7:30am to 3:30pm on Saturdays, which is consistent with the hours applied to the F23 and LEES1 project across City Road to the Northeast.

The proposed hours are consistent with those permitted under the City of Sydney 'Construction House/Noise within the Central Business District' typically applied by City of Sydney Council for construction projects (both in and out of the CBD limits).

In this regard, the period of construction would not be atypical from that applied by local Council.

Item 2.2.2 – Intra-day Respite Periods

Regulated respite periods have the potential to significantly increase the construction period, particularly when applied as a blanket requirement to construction works.

ALC would propose that respite periods be developed as part of the detailed construction noise and vibration management plan to ensure that works are not unnecessarily restricted and the construction period protracted.

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Item 2.2.4 - Reversing and Movement Alarms

The site will be typically surrounded by 2100mm high solid hoarding particularly to Darlington Road. Given the elevation of the terraces and level of construction plant, this will provide a screen between reverse beepers and receivers. In any case, the incorporation of 'quacker' or broadband reversing alarms are progressively being adopted for construction plant on building sites. As part of the construction noise and vibration management plan, it would be recommended that broadband beepers be installed where safe to do so and where practical management controls would allow.

Delivery vehicles to this style of reverse alarm is impractical given that there is very limited control the contractor has over delivery company vehicles and noise management. In any case, the deliveries via Darlington Road will be a drive in/drive out type arrangement in which case reversing will be kept to an absolute minimum.

Item 3.1 - Operational Noise Impacts

Item 3.1 of the submission relates to operational noise impacts associated with the development. Queries are raised with regard to background noise levels established for the site. ALC confirm that the noise monitoring was conducted in accordance with the INP and that monitoring was conducted at a representative location for the nearest most affected noise receivers along Darlington Road given the restraints applicable at the time.

ALC further notes that the EPA has provided a 1dB(A) increase in noise level given the proximity of 120 Darlington Road to City Road. On this basis, the ambient noise levels have been adjusted accordingly.

Table 1 – Rating Background Noise Level

Logger Location	Time of Day	Rating Background Noise Level dB(A) L₉₀	Existing Noise Level dB(A) L_{eq}
City Road	Day (7am to 6pm)	59	71
	Evening (6pm to 10pm)	58	70
	Night (10pm to 7am)	48	69
Rear of Regiment Building	Day (7am to 6pm)	51	58
	Evening (6pm to 10pm)	50	57
	Night (10pm to 7am)	43	56
Front of 110 Darlington Road	Day (7am to 6pm)	47	56
	Evening (6pm to 10pm)	46	54
	Night (10pm to 7am)	42	49
Front of 120 Darlington Road (DoPE Adopted Noise Levels)	Day (7am to 6pm)	48	57
	Evening (6pm to 10pm)	47	55
	Night (10pm to 7am)	43	50

Further to above, the EPA have determined the following criterion for the night time period:

- The adopted night-time amenity criterion being $L_{eq(night)}$ 43dB(A), and
- The controlling project specific noise levels for plant on the building being L_{eq} (15min) 48dB(A) and L_{eq} (night) 43 dB(A) measured at the nearest residential receiver.

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

Yours faithfully,

A handwritten signature in black ink, appearing to be 'JS' or 'James Small', written in a cursive style.

Acoustic Logic Consultancy Pty Ltd
James Small