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Ref: SSD 9835

Dear Erica

Re: SSD 9835 Sydney Football Stadium Redevelopment – Out of Hours Trial Period Results

I refer to your letter dated 12 June 2020 in relation to the undertaking of Out of Hours (OOH) works under SSD 9835 for Sydney Football Stadium Stage 2 (Design, construction and operation).

The DPIE approved the request for OOH works covering the delivery of oversized plant or structures in accordance with condition C6 of SSD 9835 for an initial trial period of one (1) month from the commencement of the first deliveries, subject to conditions.

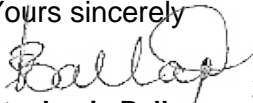
I am pleased to report that the trial period has been completed successfully with no exceedance of the predicted noise levels and no complaints having been received.

Condition 3 of your approval required the verification of noise monitoring to confirm predicted noise levels. Please find enclosed a report prepared by John Holland addressing the requirements of the condition.

I can also confirm that Conditions 1, 2, 4 and 5 of your approval were satisfactorily complied with or not triggered.

Should you have any questions regarding this letter please contact the undersigned on 0412 775 365.

Yours sincerely



Stephanie Ballango

Director

Consultant to Infrastructure NSW

3 August 2020

Sydney Football Stadium Redevelopment Stage 2 Out of Hours Works Monitoring Report – August 2020

Author: Cameron Newling
Date: 3 August 2020

Table of contents

1	Background.....	3
2	Out of Hours Delivery of Oversized Plant.....	3
3	Mitigation Measures.....	3
4	Noise Predictions.....	4
5	Monitoring Results.....	4
6	Discussion.....	6
7	Complaints.....	6

1 Background

Condition C5(a) of SSD 9835 facilitates activities to be undertaken outside of the approved construction hours where the delivery of oversized plant or structures has been determined by the police or other public authorities to require special arrangements to transport along public roads. The City of Sydney, as the local roads authority, confirmed that John Holland will need to rely on condition C5(a) to bring plant and other construction materials to site, and in doing so, issued a permit (with conditions) that is valid until 15 April 2021 (Attachment 1).

In May 2020, an application was made to the Department of Planning, Industry and Environment (DPIE) seeking the carrying out of deliveries outside of construction hours, pursuant to Condition C6 of SSD 9835. The Planning Secretary's delegate approved the application on 12 June 2020 for Out of Hours (OOH) works for the delivery of oversized plant or structures in accordance with condition C6 of SSD 9835 for an initial trial period of one (1) month from the commencement of the first deliveries, subject to conditions. Condition 3 of the approval provides:

"Verification noise monitoring to confirm predicted noise levels being undertaken for the first two weeks of the commencement of the OOH works. The noise monitoring must be undertaken when the deliveries are being carried out. Should the noise verification determine that the noise impacts exceed the predicted noise levels, noise mitigation measures must be implemented. The results of noise verification monitoring must be submitted to the Department in the form of a short report within one week of the completion of the two week monitoring period."

This document responds to the requirements of the above condition.

2 Out of Hours Delivery of Oversized Plant

Delivery and pick up of oversized plant occurred on five occasions during the two week period as set out below:

- 7/7/2020 - Delivery of 40T Crane through Gate 1A (Moore Park Road) – 11pm to 1am. This required traffic control to be set up prior to the delivery.
- 8/7/2020 - Delivery of Piling Rig through Gate 1A (Moore Park Road) and demobilisation of float – 11pm to 1am. This required traffic control to be set up prior to the works being undertaken.
- 9/7/2020 – Demobilisation of float through Gate 1A (Moore Park Road) – 11pm
- 16/7/2020 – Delivery of 35t Excavator through Gate 2 (Driver Avenue) – 4am
- 22/7/2020 – Delivery of 27t Excavator through Gate 2 (Driver Avenue) – 4am

3 Mitigation Measures

The following mitigation measures were implemented prior to, during and post each event:

- Community notification by way of letterbox drops;
- Traffic controllers briefed to keep noise down and to avoid the use of vehicle stereos;
- Use of flashing lights limited to necessary locations/circumstances for safety reasons while avoid superfluous light spill;
- No loading or unloading of plant; and
- Float switched off until 7am.

4 Noise Predictions

In support of the initial application to the DPIE, ARUP prepared a file note (Ref: 259997 28/5/2020) with respect to the predicted noise impacts due to construction deliveries outside of approved construction hours. It concluded that additional construction traffic generated as a result of OOH deliveries was predicted to increase the night-time LAeq(9 hour) noise levels by 0.2 dB and 0.3 dB respectively at the potentially most affected residences. This increase in noise levels was determined to be less than the 2 dB 'minor impact' criteria, and therefore represented an insignificant effect on the ambient noise environment.

5 Monitoring Results

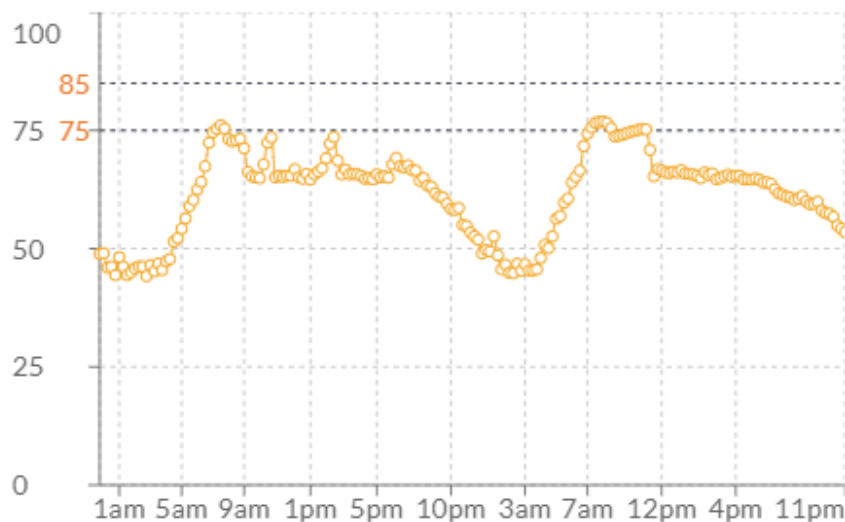
It was not practical to complete attended noise monitoring for a 9 hour period. However, real time noise monitoring was undertaken by relying on the noise monitor situated at the Kira Child Care Centre which is situated directly across the road from Gate 1A and which is closer than the nearest residential receiver. This monitor is also designed to record images and audio files for any LAmax readings of 75dBA and above, and was therefore considered an appropriate location and tool to record noise levels. The results are presented below and discussed in Section 6.

Kira Child Care Centre

Jul 7 2020 - Jul 8 2020

dB LAeq 15min averages

Noise | v

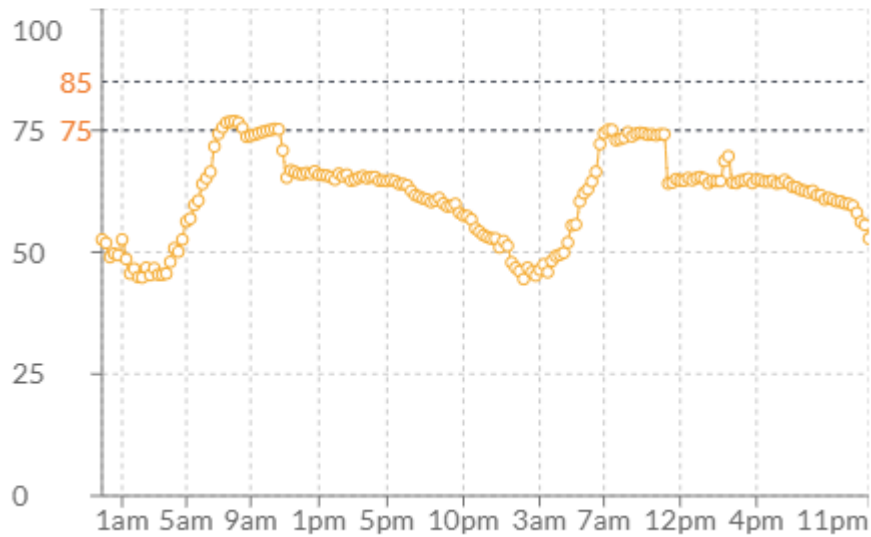


Kira Child Care Centre

Jul 8 2020 - Jul 9 2020

dB L_{Aeq} 15min averages

Noise | ▾

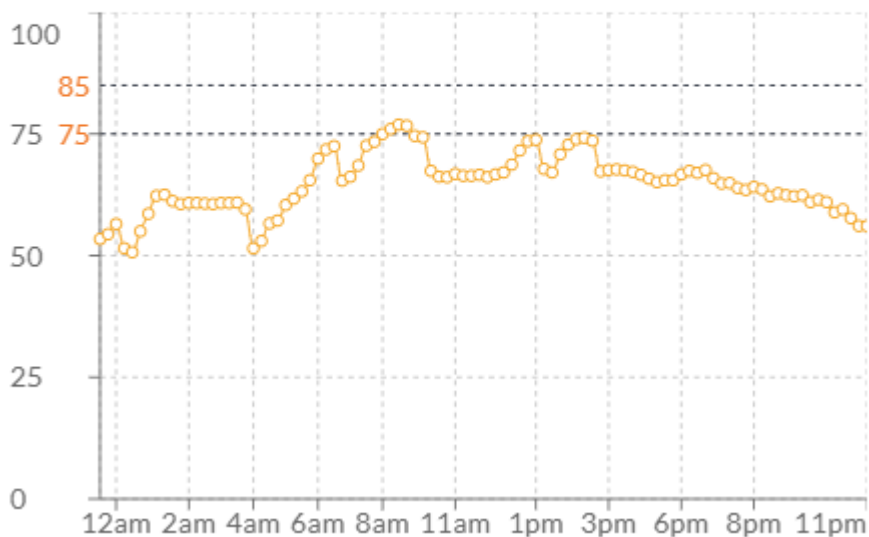


Kira Child Care Centre

Jul 16 2020 - Jul 16 2020

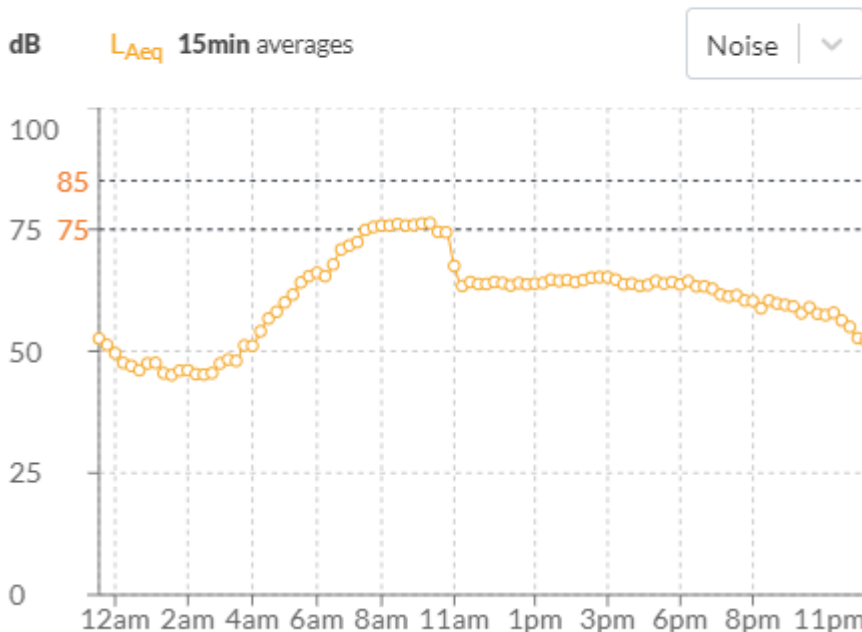
dB L_{Aeq} 15min averages

Noise | ▾



Kira Child Care Centre

Jul 22 2020 - Jul 22 2020



6 Discussion

The 3x nights associated with the delivery of the piling rig and crane at Gate 1A did not display any spikes in the recorded data or record any trigger level events. There was generally a downward trend in the $L_{Aeq}(15)$ readings from 10am to 3am.

The 2x deliveries through Gate 2 on Driver Avenue were undertaken at a location on the SFS site that is a significant distance from any residential receivers. The data does not demonstrate any spikes during this period and the L_{Aeq} was under 50dBA during both periods.

Overall the results recorded indicate noise levels did not significantly breach the predicted noise levels for extended periods on any occasion during the trial period. The works were accordingly of negligible noise impact to surrounding sensitive receivers.

7 Complaints

No complaints were received as a result of the deliveries being undertaken, further demonstrating that the OOH works completed during the trial period did not disrupt surrounding sensitive receivers.