


## MONTHLY NOISE AND VIBRATION REPORT CITY & SOUTHWEST ACOUSTICS ADVISOR

Project:	Chatswood to Sydenham SSI-7400		
For period:	December 2023	Authorisation:	
Prepared by:	Daniel Weston		
Date of issue:	5 January 2024		

### Introduction

EMM Consulting Pty Limited (EMM) presents the December 2023 AA Noise and Vibration Report for the Sydney Metro City and Southwest project as required by SSI 15\_7400 A27 (g) vi.

A reference table for the acronyms used in this report is provided on the last page.

### Acoustics Advisor Activity

- Review and/or endorsement of:
  - Barangaroo CEMP Rev 4
  - Barangaroo NVMR April to September 2023
  - CNISD November Noise Monitoring Rev 1
  - WISD NVAMR October 2022 to September 2023 Rev 2.
- Review and/or endorsement of out of hours work applications (OOHWA) and extensions for:
  - Barangaroo OOHWA 29 Rev 0
  - Barangaroo OOHWA 30 Gas Works Rev 0
  - CNISD OOHWA 39 Clarke St Entrance Awning Delivery Rev 0
  - PSISD OOHWA 61 Project Works January to March 2024 Rev 1
  - VCISD OOHWA 17 Rev 19
  - WISD OOHWA 47 Lighting Install Rev 7
  - WISD OOHWA 52 December 2023 and January and February 2024 Civil Investigation Work Rev 6
  - WISD OOHWA 54 Civil Main Works Rev 4
  - WISD OOHWA 60 Ausgrid Outage 6 Rev D.
- Attendance at ongoing meetings with CNISD, VCISD, Barangaroo Station, PSISD, MPISD, CSM and WISD contractors.

### Inspections, audits and site visits

The following was completed:

- CNISD inspection with ER on 13 December 2023
- WISD inspection with ER on 14 December 2023.

### Monitoring status

Real-time noise and vibration monitoring (with real-time access) is ongoing at CNISD, VCISD (noise only), Barangaroo, PSISD (noise only), MPISD and CSM (noise only).

The WISD contractor is operating real-time noise monitors to assist with site noise management. This is not a requirement of their CNVMP and is optional only. We have access to this data on an as-needs basis only (eg when complaints are received).

The PSISD contractor has made a request to AA for discontinuation of real-time noise monitoring at PSN and PSS on the basis of main noisy activities being completed and E38 not really a factor anymore. AA has responded with a number of questions for clarification and outlined the utilities work still to occur OOH and value of attended monitoring results with correlation to RTM for evaluating noise complaints if they occur. Discussions are still ongoing.

### ***Noise and vibration complaints***

Complaints from CNISD (x1), VCISD (x2) and WISD (x1) were received. Two of these remain open and under investigation (CNISD x1 and VCISD x1) and the remaining two have been classed as unavoidable.

### ***Initiatives, continual improvement and feedback***

Monthly attended noise monitoring continues at CNISD which has been conditioned by the AA and ER as part of the 24-hour fit-out and delivery OOHWA approval. The monitoring is undertaken by the PCs acoustic consultant. This has been occurring for several months and has been useful for monitoring performance and identifying opportunities for continual improvement.

We are looking to prepare a summary of noise measurements of the acoustic tent performance and other site observations for PSISD night and day inspections. The purpose is to provide a lessons learned and options for further improvement. Sydney Metro and Contractors have shown interest in this summary and are looking to potentially include any recommendations in further contractual relationships to model best practice. This work is ongoing.

At PSISD, earlier ROLs have been secured for some roads during the January school holiday period to support existing OOHWA.

### ***Non-compliances, incidents and events***

Nothing to report.

### ***Ongoing and upcoming environmental risks***

- At CNISD, the Pacific Highway intersection works at Oxley and Hume Streets have been delayed whilst some design coordination issues are resolved. At this stage it is likely that these works will recommence January 2024.
- There is an additional package of OOH utilities work at CNISD on the Pacific Highway. Works are planned for up to three days a week, for a maximum of two consecutive nights in a week, for a total of 10 nights. This schedule has been established to assist with the coordination of work across two work fronts undertaken by two different sub-contractors. The work that was planned to occur in December 2023 has been delayed and will now likely be completed in January 2024. This work will be completed prior to the Pacific Highway intersection works re-commencing.
- Public domain works at CNISD are progressing and will continue sporadically for the coming months during standard construction hours. Most of these works through January 2024 will be on Clarke Street, Crows Nest.
- At CNISD, small sections of capping beam remain on the north boundary of Site A and a small section on Pacific Highway near Hume Street. These will be removed using hydraulic hammers mounted to excavators over the coming months during standard construction hours.
- Utility works continue at PSISD and WISD. OOHWA is required due to ROL requirements and footpath permits from Council.

- PSISD has implemented multiple utilities work crews (three) at PSS working typically on Bathurst Street (one crew) and Pitt Street (two crews). To date the only complaints from the works have been generated from Kimpton Margot Hotel and reported by the doorman with video evidence – a review of the complaints has shown activities are consistent with approvals and review of RTM indicated levels lower than predictions. Considering the extensive work being conducted, the number of complaints would be considered low. We understand that the Kimpton Margot Hotel owners are compensated for a percentage of their rooms as an offset for noise impacts.
- Extensions to OOHWA at WISD are largely a result of limited works being completed under previous approvals following design issues, contractor availability and liaison with utility service providers.
- The ER and AA were working with PC for an extended phase of stormwater and asset protection works at WISD and looking to provide Alternate Accommodation for an extended period to relevant receivers to minimise the number of nights required to work and the overall disruption to the community. However the design requirements for these works have changed and enabled the OOH components to be significantly scaled down. This phase of works is still under review and assessment following feedback from the ER and AA.
- Three consecutive nights of gas main connection works are planned at Barangaroo in mid-January 2024. Works will be primarily on Hickson Road (near 25 Hickson Road) which require an ROL. Works have been scheduled so that high noise activities (hydraulic hammer, road saw and roller) occur on nights one and three only and prior to 12am, with typical activities with lower relative noise levels planned for remaining periods, providing noise respite across the three consecutive nights of work.

***Recommendations (incl auditing):***

Nothing to report.

## Acronyms

AMMs	<i>Additional Mitigation Measures</i>
CMR	<i>Construction Monitoring Report</i>
CTR	<i>Compliance Tracking Report</i>
CNISD	<i>Crows Nest Integrated Station Development</i>
CNVIS	<i>Construction Noise and Vibration Impact Statement</i>
CNVMP	<i>Construction Noise and Vibration Management Plan</i>
CNVMPR	<i>Construction Noise and Vibration Management Program Report</i>
CSM	<i>Central Station Metro</i>
DPE	<i>NSW Department of Planning and Environment</i>
ER	<i>Environmental Representative</i>
ISD	<i>Integrated Station Development</i>
LWW	<i>Line Wide Works</i>
MPISD	<i>Martin Place Integrated Station Development</i>
NCR	<i>Non-Compliance Report</i>
NML	<i>Noise Management Level</i>
NVA	<i>Noise and Vibration Assessment</i>
NVMP	<i>Noise and Vibration Monitoring Plan</i>
NVMR	<i>Noise and Vibration Monitoring Report</i>
NVAMR	<i>Noise and Vibration Annual Monitoring Report</i>
OOH	<i>Out of hours</i>
OOHW	<i>Out of hours work</i>
OOHWA	<i>Out of Hours Work Application</i>
OOHWP	<i>Out of Hours Work Protocol</i>
OSD	<i>Over Station Development</i>
OSOM	<i>Over Size, Over Mass</i>
PCB	<i>Precast Beams</i>
PC	<i>Principal Contractor</i>
PSISD	<i>Gadigal Station (formerly Pitt Street) Integrated Station Development</i>
PSN	<i>Pitt Street North</i>
PSS	<i>Pitt Street South</i>
ROL	<i>Road Occupancy License</i>
RTNM	<i>Real Time Noise Monitor</i>
SSJ	<i>Sydenham Station Junction</i>
SWMC	<i>Southwest Metro Corridor</i>
TSOM	<i>Trains, Systems, Operations and Maintenance</i>
TSS	<i>Traction Substation</i>
VCISD	<i>Victoria Cross Integrated Station Development</i>
WISD	<i>Waterloo Integrated Station Development</i>