


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

<b>Project:</b>	<b>Chatswood to Sydenham SSI-7400</b>		
<b>For period:</b>	<b>July 2022</b>	<b>Authorisation:</b>	
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<b>Date of issue:</b>	5 August 2022		

### **Introduction**

EMM Consulting Pty Limited (EMM) presents the July 2022 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.

### **Acoustic Advisor Activity**

- Review and/or endorsement of:
  - Barangaroo Vibration Monitoring Plan for Hickson Road Demolition (review only);
  - CNISD Construction Monitoring Report October 2021 to March 2022 Rev B (review only);
  - CSM Construction Noise and Vibration Monitoring Report August 2021 to January 2022 Rev 1;
  - PSISD CNVIS Rev 15.1; and
  - VCISD Construction Monitoring Report July to December 2021 Rev C.
- Review and endorsement of out of hours work applications (OOHWA) and extensions for:
  - Barangaroo OOHWA9 Steel beam removal Rev 3;
  - LWW OOHWA226 Surry Hills BPS Belmore Street Joint Bay Dewatering Rev C;
  - MPISD OOHWA92 Rev 3;
  - MPISD OOHWA93 Deliveries Jul-Dec 2022 Rev 1;
  - MPISD OOHWA94 Rev 7;
  - PSISD OOHWA38 Rev 10;
  - PSISD OOHWA40 Rev F;
  - PSISD OOHWA41 Footpath and driveway works Rev D;
  - PSISD OOHWA42 Rev C;
  - PSISD OOHWA43 Rev 3;
  - PSISD OOHWA44 Tower Crane Install Rev A;
  - VCISD OOHWA15 Victoria Cross North OOH works Rev 16;
  - VCISD OOHWA20 North site April to June weekend works Rev 8;
  - WISD OOHWA36 Ausgrid outage 3 Rev 3;
  - WISD OOHWA42 Wellington Street Rev 2; and
  - WISD OOHWA43 General Works Aug, Sep and Oct Rev B.
- Attendance at Sydney Metro and DPE monthly meeting, and ongoing meetings with CNISD, VCISD, Barangaroo Station, PSISD, MPISD, CSM and WISD contractors.

### ***Inspections, audits and site visits***

The following was done:

- CSM inspection with ER 6 and 20 July 2022;
- VCISD inspection with ER 12 July 2022;
- Barangaroo inspection with ER 14 July 2022; and
- WISD inspection with ER 21 July 2022.

### ***Monitoring status***

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

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).

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

- Noise complaints from VCISD (x1) and WISD (x2) were received. These were classified as unavoidable except for one at WISD which is under investigation by Sydney Metro and we understand that it is possible that the source of noise was not project related.

### ***Initiatives***

- Attended noise monitoring records are requested by EMM on a regular basis to verify that the appropriate level of information is being recorded by noise monitoring personnel and overall adherence to CNVMP and NMP requirements.

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

- Nil.

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

- At Barangaroo, Hickson Road demolition works have commenced and will continue over the coming weeks during standard construction hours.
- OOH works, particularly long running concrete pours and/or oversize deliveries at ISD sites at WISD, VCISD and CNISD will continue.
- A significant phase of utilities works will continue at PSISD and WISD. OOHW is required due to ROL requirements and footpath permits from Council.
- Capping beam removal will continue at WISD during standard construction hours. The alternative lower noise method of wire saw and core drilling (consistent with successful removal of capping beam at PSISD) will be used where feasible.
- Several ISDs are now approaching or are at ground level with noise levels increasing and works being more visible to the community and nearest noise-sensitive receivers. This increases the risk of noise impacts and complaints and will be monitored closely.
- OSOM OOH girder deliveries will be occurring at CNISD throughout August.

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

Nil

## Acronyms

<i>CNISD</i>	<i>Crows Nest Integrated Station Development</i>
<i>CNVIS</i>	<i>Construction Noise and Vibration Impact Statement</i>
<i>CNVMP</i>	<i>Construction Noise and Vibration Management Plan</i>
<i>CSM</i>	<i>Central Station Metro</i>
<i>DPE</i>	<i>NSW Department of Planning and Environment</i>
<i>ER</i>	<i>Environmental Representative</i>
<i>ISD</i>	<i>Integrated Station Development</i>
<i>LWW</i>	<i>Line Wide Works</i>
<i>MPISD</i>	<i>Martin Place Integrated Station Development</i>
<i>NVA</i>	<i>Noise and Vibration Assessment</i>
<i>NVMP</i>	<i>Noise and Vibration Monitoring Plan</i>
<i>OOH</i>	<i>Out of hours</i>
<i>OOHW</i>	<i>Out of hours work</i>
<i>OOHWA</i>	<i>Out of Hours Work Application</i>
<i>OSOM</i>	<i>Oversize, overmass</i>
<i>PSISD</i>	<i>Pitt Street Integrated Station Development</i>
<i>ROL</i>	<i>Road Occupancy License</i>
<i>SSJ</i>	<i>Sydenham Station Junction</i>
<i>TSS</i>	<i>Traction Substation</i>
<i>VCISD</i>	<i>Victoria Cross Integrated Station Development</i>
<i>WISD</i>	<i>Waterloo Integrated Station Development</i>