


MONTHLY NOISE AND VIBRATION REPORT CITY & SOUTHWEST ACOUSTICS ADVISOR

Project:	Chatswood to Sydenham SSI-7400		
For period:	November 2022	Authorisation:	
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Introduction

EMM Consulting Pty Limited (EMM) presents the November 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.

Acoustics Advisor Activity

- Review and/or endorsement of:
 - Barangaroo CNVIS Civil Works Rev 6;
 - Barangaroo CNVMP Rev 10;
 - CNISD CNVMP Rev 3 (review only);
 - CSM CNVMR Feb to Jul 22 (review only);
 - LWW CNVMP Rev 3;
 - LWW CMR 8 March to August 2022 Rev B (review only);
 - MPISD CNVMP Rev 18;
 - PSISD CNVMP Rev 17;
 - PSISD CMR Q3 2022 Rev 0 (review only);
 - PSISD CNVMP Rev 17;
 - PSISD CEMP Rev 02 (review only);
 - PSISD CTR Q2 and Q3 (review and comment only); and
 - WISD Annual NVMR Oct 21 to Sept 22 Rev 0.
- Review and/or endorsement of out of hours work applications (OOHWA) and extensions for:
 - Barangaroo OOHWA 11 Hickson Road Night Works for Stormwater Installation;
 - CNISD OOHWA Ausgrid Infrastructure Works Clarke Street East;
 - CNISD OOHWA OSOM PCB Dual Lift;
 - CNISD OOHWA Potholing Oxley and Clarke Rev 2;
 - LWW OOHWA 239 Waterloo Cable Pulling Rev 7;
 - LWW OOHWA 256 HV and Fibre Cabling Marrickville WE19 Rev A;
 - LWW OOHWA 264 Northern Connection WE19 MTS OHW Replacement Northern Scope;
 - LWW OOHWA 268 Surry Hills BPS Belmore Street Dewatering Rev B;
 - MPISD OOHWA 52 Rev 4;
 - MPISD OOHWA 96 Rev 3;

- MPISD OOHWA 98 South Pedestrian Bridge Removal Rev 0;
- PSISD OOHWA 43 Rev 12 (review only and incorporated into OOHWA 50);
- PSISD OOHWA 50 Jan to March 2023 Rev 1;
- PSISD OOHWA 51 Tower Crane Installation Rev 2;
- PSISD OOHWA 52 Tower Crane Dismantle Rev 1;
- PSISD OOHWA 45 Rev 2;
- WISD OOHWA 46 Botany Road Hydrant Works Rev C;
- WISD OOHWA 47 Lighting Install Rev A;
- WISD OOHWA 48 Dec 22, Jan & Feb 23 (Utilities) Rev A; and
- VCISD OOHWA 23 South Site Hoarding Adjustment.
- 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 complete:

- LWW inspection at Northern sites with ER on 1 November 2022;
- WISD inspection with ER on 3 November 2022;
- CSM inspection with ER on 9 November 2022;
- PSISD inspection with ER on 15 November 2022;
- CNSID inspection with ER on 16 November 2022;
- Barangaroo inspection with ER on 17 November 2022; and
- Barangaroo night-time site inspection of Hickson Rd stormwater works on 21 November 2022.

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.

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

Complaints from Barangaroo (x2), CNISD (x8), MPISD (x1), PSISD (x5), LWW Surry Hills Power Upgrade Belmore Street (x3), VCISD (x3) and WISD (x1) were received. Most complaints were classified as unavoidable (15 of 23). At the time of writing the report four complaints (Barangaroo (x2), CNISD (x1) and PSISD (x1)) were under investigation by Contractors and/or Sydney Metro. The avoidable complaints were in relation to:

- Three complaints were received from residents near LWW Surry Hills Power Upgrade Belmore Street which were triggered by a stationary security vehicle idling during early hours of the morning. As a result of the repeat occurrences the security contractor was dismissed. A new security contractor has been engaged and briefed in detail with respect to the noise responsibilities at the site.
- Construction activity prior to 7am on Saturday morning triggered a complaint at VCISD North site. The contractor has since workshopped this with the construction team and reinforced

expectations around work practices during sensitive time periods and the weekend start time of 7am.

Initiatives, continual improvement and feedback

- We continue to advocate the use of alternative work practices to rock hammering for the removal of temporary structures. Capping beam removal using a wire saw continued at WISD and commenced at CNISD. VCISD is currently exploring this as an option for the capping beam demolition for the north site.
- WISD contractors are being highly proactive with the community in terms of information sharing and engagement with several events and initiatives being undertaken through November and December 2022. Furthermore, careful planning of work locations and timing is being implemented, with a two-week calendar look ahead advocated by AA and ER and being implemented by the contractor to provide greater visibility of times and locations of OOHW to the AA and ER.

Non-compliances, incidents and events

- A joint NCR (LWW NCR-018) was raised for the repeated issue of light vehicles idling at Belmore Street, Surry Hills by SC/LWW.
- An NCR (NCR-09) was raised at VCISD (south site) for works starting prior to 7am on two separate occasions. Both instances triggered complaints from residents in 79-81 Berry Street, North Sydney.

Ongoing and upcoming environmental risks

- OOH works, particularly long running concrete pours and/or oversize deliveries at ISD sites at WISD, PSISD, VCISD and CNISD will continue. There is anticipated to be no more long running concrete pours for WISD.
- A significant phase of utilities works will continue at PSISD and WISD. OOHW is required due to ROL requirements and footpath permits from Council.
- Public domain works have started at CNISD and will continue for several months. This will require a substantial scope of utilities works of which some will be required OOH to facilitate utility service provider requirements.
- Capping beam removal will continue at WISD and CNISD during standard construction hours. The alternative lower noise method of wire saw and core drilling (consistent with successful removal of capping beam at PSISD) is being used where feasible and has proved to provide additional benefits in terms of dust suppression and smaller exclusion zones on site. The WISD contractor has also demonstrated that capping beam removal with wire saw can occur at discrete locations of the site during the evening hours (NML compliant) with the activities subject to verification measurements.

Recommendations (incl auditing):

Nothing to report.

Acronyms

<i>CMR</i>	<i>Construction Monitoring Report</i>
<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>NCR</i>	<i>Non-Compliance Report</i>
<i>NVA</i>	<i>Noise and Vibration Assessment</i>
<i>NVMP</i>	<i>Noise and Vibration Monitoring Plan</i>
<i>NVMR</i>	<i>Noise and Vibration Monitoring Report</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>