


**MONTHLY REPORT  
CITY & SOUTHWEST ACOUSTIC ADVISOR**

<b>For period:</b>	<b>September 2019</b>	<b>Authorisation:</b>	
<b>Prepared by:</b>	Sav Shimada		
<b>Date of issue:</b>	7 October 2019		

***Acoustic Advisor Activity***

- Review and endorsement of
  - TSE Tunnelling CNVIS Rev 4
- Review and endorsement of out of hours work (OOHW) application for
  - Martin Place (USP works)
  - Linewide
  - NCW Portion 7B
- Attendance at Sydney Metro meetings with DPIE, and meetings with TSE, CSM, SSJ, MP USP and NCW contractors.
- Technical review for Community Complaints Mediator for Mr Joe Liu, 12 Hopetoun Ave
- Sav Shimada Alternate Acoustic Advisor enacted during Dave Anderson's period of annual leave commencing 19 August 2019 and continuing throughout September 2019

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

- Marrickville, Waterloo, Pitt St south, Pitt St north (underground), Barangaroo 3 September 2019
- Central Station Main Works 4 September 2019
- Chatswood Dive, Brand Street, Crows Nest, Victoria Cross north and south 24 September 2019

***Monitoring status***

- Real-time noise and vibration monitoring (with real-time access) ongoing at TSE, CSM, SSJ, NCW and Martin Place USP sites.
- 50 Martin Place USP, 16 September 2019, vibration logger recorded exceedance of screening criterion. Confirmed to be unrelated to Sydney Metro works. No TSE works occurring at the time; although Macquarie building personnel were carrying out works activities adjacent to the logger.
- 17 September approximately 3pm: TSE's noise monitor was relocated from the plant room to ground floor, adjacent to Macquarie Bank's monitor.
- 24 September approximately 1:20pm: TSE's vibration monitor at 237 Miller St, North Sydney, recorded a vibration level exceedance. This was due to repair work being carried out on the monitor itself, and not a result of construction activity.

***Initiatives***

- CSM has:
  - Successfully trialled installing a noise curtain "cover" over small high noise works area. To be implemented on a case-by-case basis if feasible and reasonable.
  - Held over noisy piling works on the station concourse during the morning passenger peak.
  - Booked out the front row of YHA carriages during noisy OOH works on Platform 1. The YHA keep these carriages empty during noisy works outside of high demand times.

**Non-compliances, incidents and events**

- Non-Compliance Record (NCR) received for CSM works, incident on 4<sup>th</sup> September 2019 at approximately 1am. Jackhammering taking place on Platform 22-23 with insufficient noise curtains in place. Site Superintendent independently noted higher than expected noise levels (prior to receipt of the complaint), and rescheduled to earlier in the night later that week.

**Noise and vibration complaints**

- Ongoing complaints about ground borne noise and vibration impacts from tunnelling activity. Dealt with appropriately by TSE.
- Noise and vibration complaints from all current TSE, CSM, and Northern Corridor Works sites – dealt with appropriately by contractors.
- Complaint about ground borne noise at Artarmon on 22 September 2019, was received during night time works, after 10pm. Validation measurements at ground floor had been conducted during standard construction hours, which indicated that Evening and Night ground borne NML would be achieved for these works. Works were stopped on receipt of the Night-time noise complaint and resumed outside of night time hours. The CNVIS is to be revised to include a procedure for works to occur once validation monitoring shows CNVIS predictions were conservative and that NMLs will not be exceeded.

**Ongoing and upcoming environmental risks**

- Ongoing ground borne noise and vibration impacts from tunnelling activity.
- Excavation at Martin Place (USP and TSE works).

**Recommendations (incl auditing):**

- None