


**MONTHLY REPORT  
CITY & SOUTHWEST ACOUSTIC ADVISOR**

<b>For period:</b>	<b>November 2018</b>	<b>Authorisation:</b>	
<b>Prepared by:</b>	Dave Anderson		
<b>Date of issue:</b>	7 December 2018		

***Acoustic Advisor Activity***

- Review and endorsement of CNVIS documents as follows:
  - Demolition of existing warehouse buildings at 102-112 Edinburgh Road, Marrickville
  - Revision 9 of Chatswood construction site CNVIS to address a change to TBM assembly location
- Review and endorsement of out of hours work (OOHW) applications for
  - Central Station Main works
  - Sydenham Station and Junction
  - Northern Corridor Works
  - Martin Place South (work within ESR tunnels)
  - Waterloo
- Attendance at Sydney Metro meetings with DPE and with TSE contractors.
- Alternate Acoustic Advisor enacted 1 to 11 November (inclusive)

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

- None this month

***Monitoring status***

- TSE sites – noise and vibration monitoring ongoing, one vibration logger moved at Pitt St
- CSM site – attended noise and vibration monitoring for November works, permanent noise and vibration monitors planned for December 2018 installation
- SSJ sites – attended noise monitoring, permanent unattended vibration monitor now online
- NCW sites – attended noise monitoring

***Initiatives***

- Improved pro-active contractor communication with AA regarding vibration monitoring data, including advising AA prior to moving equipment, and advising of elevated vibration levels and their causes promptly.
- Some good feedback from contractors on the alignment of measured construction noise levels with predictions using Sydney Metro’s OOHW Application simple noise prediction tables.
- AA, Sydney Metro and TSE discussing EPA query regarding confirmation of truck noise levels at Marrickville.
- Alternative noise curtain (“SilentUp”) investigated for SYAB. Contractor advised concerns about open / close mechanism in windy conditions and is pursuing other options. This is in addition to the commitment in the CSM CNVIS to measure loaded trucks on the SYAB as soon as practicable, to confirm the noise predictions at nearest receivers.

***Non-compliance and incident details***

Vibration levels at 243 Miller Street exceeded 25mm/s during the second trial blast at the Victoria Cross North site on 17<sup>th</sup> November 2018. This constitutes a non-compliance with the modified condition (E54). TSE is arranging a structural engineer’s inspection. Excavation at this site will revert to rock hammering.

**Noise and vibration complaints**

- Noise and vibration complaints from all current TSE and Northern Corridor Works sites – dealt with appropriately by contractors.

**Ongoing and upcoming environmental risks**

- Ongoing review of implementation of noise and vibration mitigation and management commitments during structural demolition and bulk excavation works, including
  - CSM which will involve loaded trucks using the Sydney Yard Access Bridge (SYAB). Refer “Initiatives” for investigations which the AA has requested of the CSM contractor.
  - Victoria Cross, where conventional excavation will result in longer duration impacts than controlled blasting (which may not be pursued, following second trial blast).
- Ground borne noise and vibration impacts from tunnelling activity.

**Recommendations (incl auditing):**

- None