


## MONTHLY REPORT CITY & SOUTHWEST ACOUSTIC ADVISOR

For period:	February 2019	Authorisation:	
Prepared by:	Dave Anderson		
Date of issue:	7 March 2019		

### **Acoustic Advisor Activity**

- Review and endorsement of
  - CNVIS for out of hours marine piling at Blues Point
  - Revision 2 of Lend Lease Construction Noise and Vibration Management Plan for Martin Place USP works
  - CNVIS for excavation and station construction for Martin Place USP works
- Review and endorsement of out of hours work (OOHW) applications for
  - Northern Corridor Works
  - Martin Place USP works
  - Central Station Main works
- Attendance at Sydney Metro meetings with DPE and with TSE and MPUSP contractors.

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

- Witnessed installation of noise and vibration monitoring equipment within a residence at Palmer Street, Artarmon, prior to passage of TBM (20 February 2019).
- Inspected Martin Place cavern excavation works (21 February 2019).
- Alternate AA participated in independent environmental audit of Laing O'Rourke Northern Corridor Works Portion 7 (11 February 2019).

### **Monitoring status**

- TSE sites – noise and vibration monitoring ongoing, Noise and vibration monitor installed Level 2 Basement in Harvard Building at Victoria Cross North site, on 8 February 2019.
- CSM site – permanent noise monitors installed 27 December 2018. Vibration logger installed at substation on 10th January 2019.
- SSJ sites – attended noise monitoring, permanent unattended vibration monitor
- NCW sites – attended noise monitoring as required by the CNVMP; movable noise loggers installed in November 2018 for Portion 7 works, but real time access not provided
- Martin Place USP – permanent monitoring now established

### **Initiatives**

- NCW Portion 7 to trial noise “tent” during late January / early February planned works – now delayed. Outcomes to be forwarded to AA.

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

- Trial blast at Victoria Cross North generated airblast overpressure readings that exceeded the limit of 125dB in Planning Approval Condition E54.
- Potential non-compliance raised during NCW Portion 7 independent audit for not supplying real time access to noise logger data. Final independent audit report not yet been received.

### **Noise and vibration complaints**

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

- Vibration complaints received after vibratory roller used during standard daytime hours at Northern Corridor Works site. AA requested vibration monitoring data and while below the cosmetic structural damage criteria, they appear to have been high enough to cause loose objects and windows to rattle. AA has requested human comfort Vibration Dose Value post-analysis.

***Ongoing and upcoming environmental risks***

- Ground borne noise and vibration impacts from tunnelling activity.
- Ongoing demolition at Martin Place (USP and TSE works).
- Works at Central Station (Sydney Trains as stakeholder and receiver, balanced with environmental receivers)
- Management of noise and from trucks

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

- None