Acoustics Advisor Monthly Report

ACOUSTIC STUDIO

SYDNEY METRO WEST

Stage 1 (SSI 10038), *Stage 2* (*SSI 19238057*[1]) and Stage 3 (SSI 22765520[2])

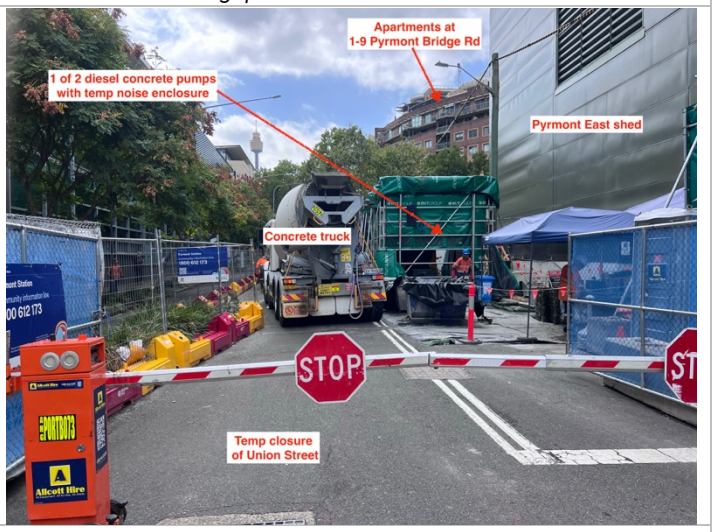
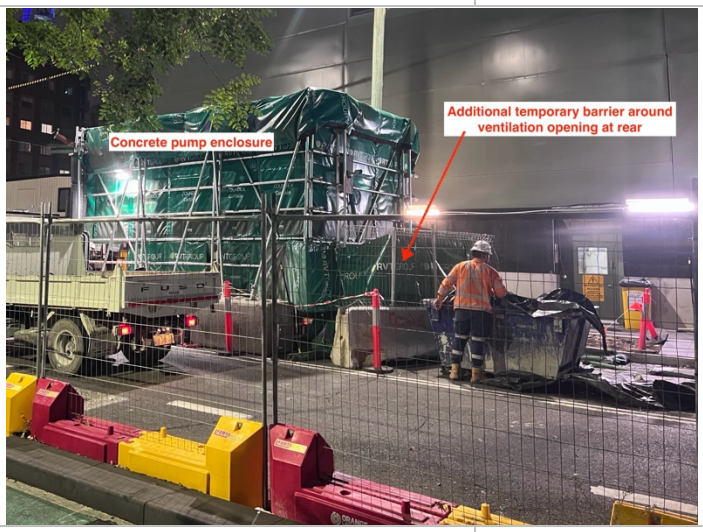
For period:	January 2026	Authorisation:	Dave Anderson, Acoustics Advisor [redacted]
Prepared by:	Larry Clark, David Hanson, Aaron Miller		
Date of issue:	6 February 2026		

Acoustics Advisors		
Dave Anderson, Larry Clark, David Hanson, Aaron Miller and Sav Shimada		
Documents reviewed during the period		
Document	**Reviewed**	**Endorsed / approved**
Stage 1 - Central Tunnelling Package (CTP), AFJV		
-	-	-
Stage 1 - Western Tunnelling Package (WTP), GLC		
Clyde Dive Removal of Trees on James Ruse Drive DNVIS	Y	14 January 2026
Westmead Shed Removal DNVIS	Y	Under review
Parramatta nozzle OOHW noise monitoring reports	Y	N/A
Stage 2 - Eastern Tunnelling Package *(ETP), JCG*[1]		
Hunter Street East Tower Crane noise monitoring report	*Y*	*N/A*
Hunter St DNVIS rev 7	*Y*	*19 January 2025*
Stage 1 - Phase J (North Strathfield Utilities and Kiosk), Syscon		
OOHW Permit 1 rev. 5	Y	16 January 2026
Stage 1 - Phase H2 (Five Dock Utilities Relocation), Quickway		
Quickway Noise and Vibration Monitoring Reports	Y	N/A
Stage 3[2] – Phase L (Rosehill Power Enabling Works), Quickway		
Rosehill DNVIS rev. 1	Y	Under review
OOHW Permit 2	Y	Under review

[1] *Sydney Metro West Stage 2: Bays to Sydney CBD (SSI 19238057) shown in italics*

[2] Sydney Metro West stage 3: Rail infrastructure, stations, precincts and operations (SSI 22765520) shown underlined

Inspections / site visits

Date	Location(s)	Details
13 January	*ETP Hunter Street and Pyrmont*	*Larry Clark joined ER inspection at Hunter Street, Dave Anderson attended at Pyrmont. Noise mats on kibble load out at Hunter Street East to be tidied to close gaps.*
	Photo looking East along Union street showing area in use for concrete pours	
14 January	WTP Rosehill, Metro Stabling Facility, Clyde Dive	Larry Clark joined ER inspection.
	Discussion on keeping a watching brief on tunnel ventilation fan at Clyde Dive, which has dominant tones although not strictly tonal. Discussion on complaint from ATC about generator for security hut being mainly about air issues, not noise, but GLC looking into removing or relocating, which subsequently was done.	
15 January	CTP Burwood North, North Strathfield, Sydney Olympic Park	Larry Clark joined ER inspection
	No noise, vibrarion issues	
15 January	*ETP Pyrmont and Hunter Street*	*Dave Anderson attended OOH inspection (Pyrmont ~2100 – 2300, Hunter Street ~2320 – 2340)*
		*OOH concrete pour in progress at Pyrmont East.* *Photo of concrete pump enclosure on Union Street showing additional screening at rear.* *Good work practices observed, noise levels judged to be close to or slightly above the predictions but all feasible and reasonable mitigation in place.* *JCG looking into hiss noise observed from 1 concrete truck departing Pyrmont at around 9.45pm (isolated event).*
20 January	*ETP Hunter Street and Pyrmont, including tunnels*	*Larry Clark joined ER inspection, including tunnels viewings*
	Discussions on concreting works upcoming at Hunter Street tunnels; concrete pours upcoming at Pyrmont; complaint attributed to Jemena OOH works not associated with project.	
21 January	WTP Parramatta, Westmead	Larry Clark joined ER inspection
	Discussions on attended monitoring of OOH works at Parramatta; good noise mats setup noted around PASS and archaeological excavations. Field verification of sound power level of crawler crane to be used in OOH TBM OSOM demob.	

Inspections / site visits

Date	Location(s)	Details
23 January	Nth Strathfield Utilities and Kiosk	David Hanson joined OOHW inspection
		Inspection during trench excavation. Plant and works not included in permit were observed (trenching with vac-truck and excavator, concrete sawing). Lessons learned from previous inspection (no tonal movement alarms, temp. noise walls installed) were evident. Noise blankets were installed back-to-front but with no adverse consequence for residents.
23 January	Five Dock Utilities Relocation	David Hanson joined ER inspection
	Minimal works underway. Some minor trenching to prepare for the upcoming OOHW to wrap up this scope which will involve removal of power poles and connection of power by Ausgrid.	
28 January	WTP Clyde Dive, Metro Stabling Facility	Larry Clark joined ER inspection
	Observations of conduit proving and hydro blasting defects on Unwin Street; security hut moved and connected to mains power, addressing generator complaint from ATC; concrete haul road adjacent to ATC being saw cut and then lifted and moved further away for breaking to address potential noise impacts; signalling with horns during material loadout adjacent to ATC to be addressed with supervisor and plant operators.	
28 January	Nth Strathfield Utilities and Kiosk	David Hanson joined ER / DPHI inspection
	Discussion on noise mitigation measures (noise blankets) installed back-to-front on site access gate.	
29 January	CTP The Bays, Five Dock	Larry Clark joined ER inspection
	No noise, vibration issues	

Meetings

Date	With	Purpose
12 January	GLC, SM, ER	CLJ Tree removal DNVIS discussion
20 January	SM, ER	SMW Stage 3 OOHW Tool Workshop
20 January	*SM, ER, JCG*	*Ancillary Facility meeting*
12, 27 January	Sydney Metro, GLC, ATC	Fortnightly briefing on works status
23 January	Sydney Metro, ER, Quickway	Five Dock Utility Relocation Enviro and Approvals meeting
13 January	Sydney Metro, ER, Quickway	Rosehill Power Enabling Works Environment Meeting
15, 22 January	AFJV, Sydney Metro, ER	Environment meeting, CTP
13, 20, 27 January	*Sydney Metro, JCGJV, ER*	*Weekly environment meeting, ETP*
21 January	Sydney Metro, GLC, ER	Environment meeting, WTP
19, 27 January	Sydney Metro, ER, Syscon	Phase J Nth Strathfield Enviro and Approvals meeting

Noise and vibration issues, incidents, recommendations

Date	Contract / Location and details
23 January	Phase J (North Strathfield Utilities and Kiosk): Syscon conducted works and used plant not included in OOHW permit. Raised in Acoustic Advisor inspection report (issued to Sydney Metro 27th Jan) and tabled in the weekly Environment and Approvals meeting chaired by Sydney Metro (27th Jan). NCR raised by Sydney Metro 5th Feb.

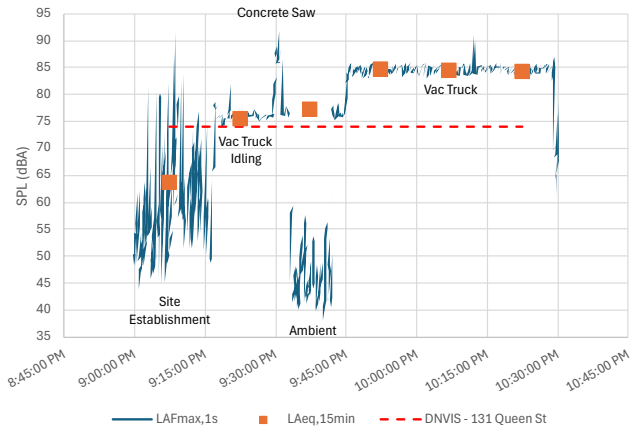
Examples of good practice in noise and vibration management	
Date	**Contract / Location and details**
15 January	*ETP / Pyrmont OOH concrete pour* • *1 of the 2 pumps switched off before 10pm.* • *Concrete trucks in good condition, minimal exhaust noise, driven considerately, seamless traffic management into and out of the site.* • *No raised voices, no tonal alarms, no unnecessary idling or revving, no radios, minimal noise from impacts (e.g. metal on metal).*
20 January	*ETP / Pyrmonth OOH concrete pour* *Compliment received from* [redacted]

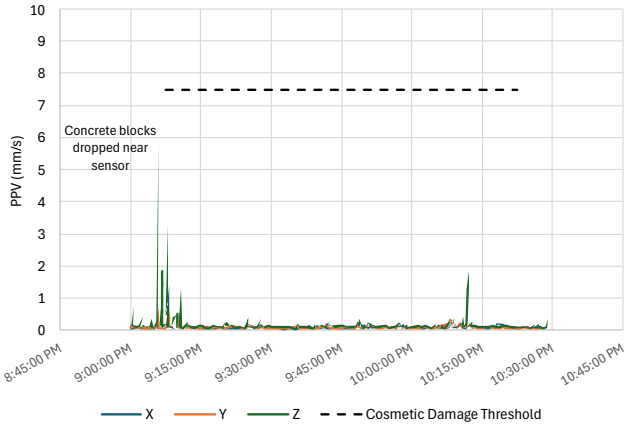
Current Works
ETP: • *Hunter Street: shaft excavation by day, ongoing OOH tunnelling support works at Hunter Street East.* • *Tunnelling support at Pyrmont, including some OOH concrete pours* • *Tunnelling and cross passages support at The Bays.*
CTP: • All CTP sites are now demobilised and handed over. Tunnel maintenance and site security ongoing.
WTP: • Westmead: TBM disassembly and removal; ongoing tunnel works; preparation for shed demolition. • Parramatta: Station box excavation and tunnell works. • Clyde Dive: tunnel equipment demob; perimeter fencing, earthworks • Rosehill: ongoing tunnel and cross passage works; surface structures demolition • Metro Stabling Facility: final landform earthworks. Defects and conduit proofing. No OOHW
Utilities packages: • Five Dock: all cable re-routing works now completed. Only outstanding scope is household connections (next week) and to remove poles and connect power (Ausgrid), scheduled for 1st week March. • Rosehill: no construction works in January – design works being completed and awaiting commencement of construction. • North Strathfield: internal reticulation works completed in full, cable installation completed, main equipment including switchboard completed, all cable terminations completed, concrete and reinstatement of internal excavations mostly completed.

Upcoming works and discussion of risks
ETP: • *Hunter Street: Potential construction noise fatigue with works seven days per week (including Sunday) under CoA D39 respite agreement. Potential cumulative impact from Milligans development.* • *Pyrmont: OOH concrete pours (1 more expected in Feb).*
CTP: • Negligible current risk.
WTP: • Haul road removal and other works, including fencing, along Clyde Dive ATC boundary adjacent to stables. Being managed by regular meeting with ATC, sawcutting concrete haul road adjacent to stables and removing as slabs that are transported further away for breakup by hammer.
Utilities packages: • Five Dock: Construction nearly completed - night works scheduled for February 2026 to close out scope. Some high noise levels predicted and potential construction noise fatigue of this community adjacent to the Five Dock East site. Quickway observed to be managing the works well to date, including noise mitigation and good-neighbour practices. Sydney Metro handling community engagement. • Rosehill: works mainly through industrial area. All works predicted to be below NML at ATC and nearest residential receivers. • North Strathfield: only one remaining OOHW package (two nights) to complete this scope – scheduled for 18/19 February. Sydney Metro handling community engagement. Only a small number of receivers triggering respite and/or alternative accommodation.

Monitoring data

Nth Strathfield: attended noise monitoring by Acoustics Advisor on 23rd January during works that were not included in OOHW permit. Measurements recorded in public domain on footpath outside closest receiver to the works. Awaiting issue of contractor noise monitoring:





Noise levels recorded by Acoustics Advisor suggest exceedance of predictions in OOHW permit. NCR raised by Sydney Metro 5th Feb.

Noise and vibration complaints

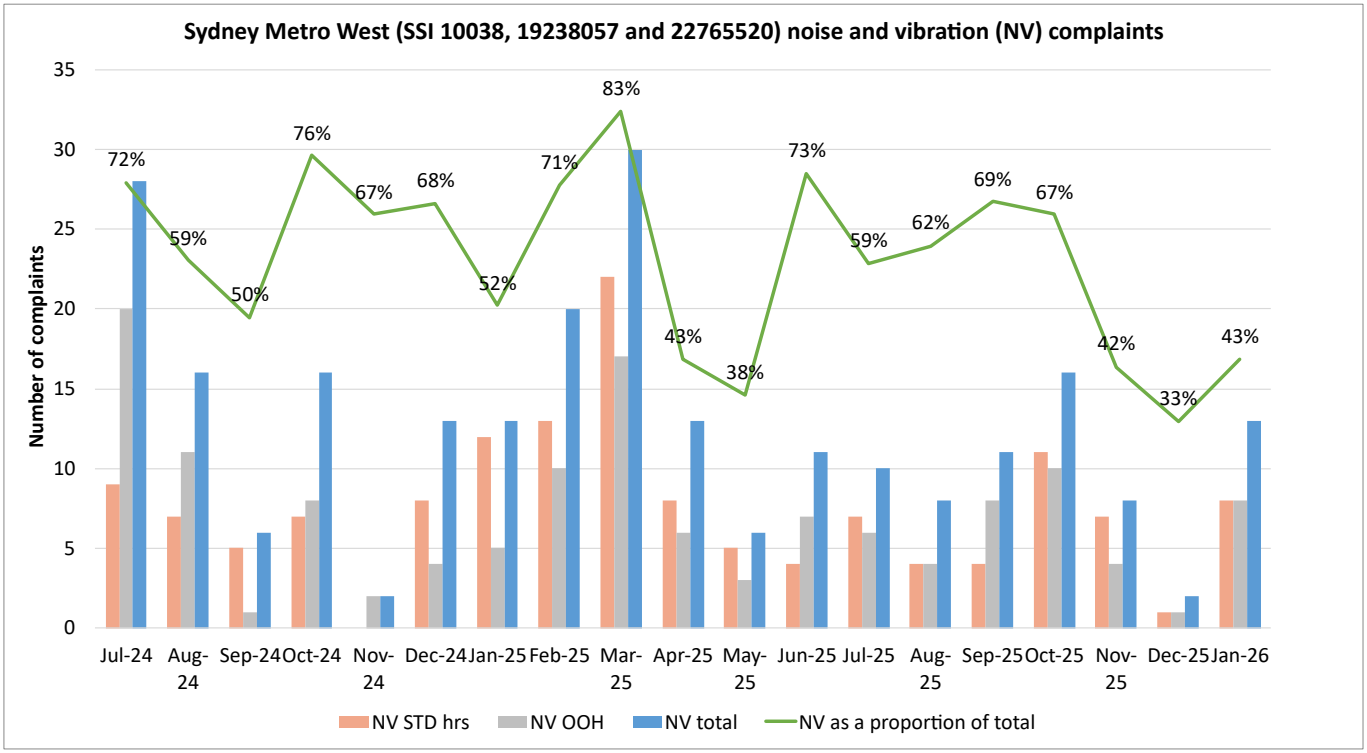
There were 11 registered noise and vibration complaints attributed to Sydney Metro in January, and we have included an additional 2 that relate to property damage (1) and consultation around respite (1) which may also be related to noise and vibration:

- 1 complaint from Westmead relating to both standard and out-of-hours works. The main activity at Westmead currently is retrieval of TBMs.
- 5 from Hunter St comprising 3 standard hours complaints, 1 out-of-hours complaint and 1 relating to potential property damage. These relate mainly to hammering and excavation, and include 3 from businesses and 2 from residents.
- 7 from Pyrmont comprising 1 standard hours, 4 out-of-hours and 2 relating to both periods. The Pyrmont complaints related to the large scale concrete pours underway, their associated truck movements and the respite arrangements.

The overall number of complaints remains relatively low by historical standards.

Location / activity	Standard hours	Out of hours	Both standard and out of hours	Total
Westmead			1	1
Parramatta				
Clyde / Rosehill				
Sydney Olympic Park				
North Strathfield				
Burwood North				
Five Dock				
The Bays				
Pyrmont	*1*	*4*	*2*	*7*
Hunter Street	*4*	*1*		*5*
Tunnelling ETP CTP WTP				
Total	**5**	**5**	**3**	**13**

Note: The chart shows noise and vibration (NV) complaints in standard hours and out of hours (OOH) periods. Some complaints relate to both time periods so the total number of NV complaints shown here may be less than the sum of standard and OOH complaints.



Declaration

I certify that:

- this report has been prepared for the NSW Department of Planning, Housing and Infrastructure, in accordance with the Acoustics Advisor Protocol and is accurate at the date of issue
- the proponent has provided me with all the information I requested to allow me to prepare this report
- there are no matters that have impaired the objectivity of this report.

Dave Anderson, Acoustics Advisor

