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:	June 2026	Authorisation:	Dave Anderson, Acoustics Advisor [redacted]
Prepared by:	Larry Clark, David Hanson, Aaron Miller		
Date of issue:	7 July 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 – Phase F Western Tunnelling Package (WTP), GLC		
DNVIS Macquarie Lane Parramatta Stormwater Pits inspection	Y	11 June 2026
Attended noise monitoring Parramatta D wall blockouts hydroblasting	Y	N/A
Minor Ancillary Facilities (MAF) form Parramatta site office relocation	Y	N/A
Stage 2[1] ***– Phase G2 Eastern Tunnelling Package*** *(ETP), JCG*		
Weekly real time unattended noise and vibration monitoring results May 2026	*Y*	*N/A*
DNVIS Hunter Street Station Rev 9	*Y*	*Under review*
Stage 3[2] **– Phase L** (Rosehill Power Enabling Works), Quickway		
OOHW Permit 2 Extension (updated ROLs only)	Y	11 June 2026
Stage 3 – Phase N (Line Wide Works - LWD), JHG		
Construction Environment Management Plan (CEMP) Rev 0 Noise & Vibration components	Y	N/A
Stage 3 – Phase O (Stations Package West), Gamuda		
DNVIS Early Works Rev. 0	Y	Under revision
LIW North Strathfield Site Establishment Rev. B	Y	N/A
LIW Station Box Membrane Smoothing Layer at The Bays & North Strathfield Rev. C & Rev. D	Y	N/A
LIW Ancillary Facility at Five Dock – 21 Waterview Street Rev. A & Rev. B	Y	N/A
LIW Site Investigations, NDD and Gate Modifications at NST, BWD, FDK and TBY Rev. D	Y	N/A
Ancillary Facility application - 21 Waterview Street, Five Dock Rev. A & Rev. B	Y	N/A
Stage 3 – Phase P (Hunter Street Station), Lendlease		
Construction Environment Managament Plan, Noise and Vibration components	Y	Under review

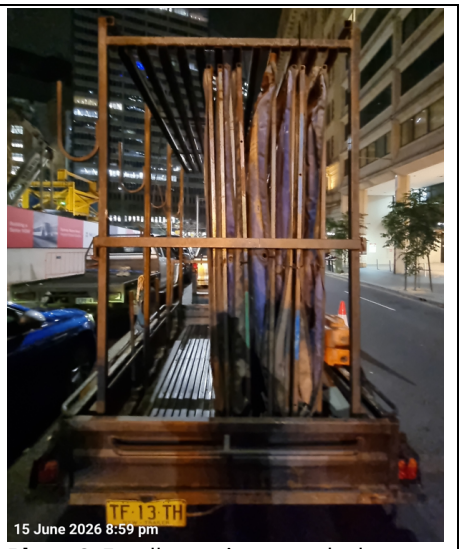
[1] *Sydney Metro West Stage 2: Bays to Sydney CBD (SSI 19238057) shown in italics*

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

Inspections / site visits		
Date	**Location(s)**	**Details**
2 June	*ETP Hunter Street and Tunnels*	*Larry Clark joined ER inspection*
	Discussions on concrete pours and [redacted].	
3 June	WTP Rosehill, MSF and Clyde Dive	Larry Clark joined ER inspection
	Discussion on locating vibration meter in George St heritage shops, referencing Standards requirements, constraints and heritage issues.	
4 June	LWD Sydney Olympic Park, Burwood North, The Bays	Larry Clark joined ER inspection
	Discussions on: Batty St monitoring location at TBY; repair of noise boxes on WTP at BWT; crawler, not tower, cranes to be used for loading rail into station box at SOP; backup generator; past noise complainant locations; electric crawler crane and noise attenuated tower crane at ETP Hunter St East; concrete train and GBN potential.	
10 June	WTP Parramatta, Westmead	Larry Clark joined ER inspection
	Discussions on vent fans – commissioning, and operating, noise considerations; viewing vibration meter for George St heritage shops and potential improvements in location; opportunities to relocate relatively noisy hydro blasting power pack to reduce noise levels on Macquarie St. ATF mounted noise mats to be tidied around compressors at WMD.	
15 June	*ETP Hunter Street*	*Larry Clark OOHW AA inspection utilities works*
	Witnessed, monitored noise and crew behaviours and confirmed OOHW Permit for work on Sydney Water asset in O'Connell Street.	
16 June	*ETP Hunter Street*	*Larry Clark joined ER inspection*
	Observed real time vibration levels via mobile phone app during rock hammering in Stage 2 at Hunter St East.	
17 June	WTP Rosehill, MSF and Clyde Dive	Larry Clark joined ER inspection. DPHI compliance in attendance.
	Discussion on handover items' noise and vibration considerations.	
23 June	*ETP Hunter Street*	*Larry Clark joined ER inspection. DPHI compliance in attendance*
	Discussed tower crane demob over previous weekend; new overhead load alarm heard – to be investigated; Stage 2 break in sequences to adits; HSW progress and demob; handover items.	
24 June	WTP Parramatta, Westmead	Larry Clark joined ER inspection
	Hydro blasting power pack relocated into station box, reducing noise levels off site. Discussion on whether compressors at Westmead are a handover item or not.	
30 June	*ETP Hunter Street*	*Larry Clark joined ER inspection*
	Observed real time vibration levels via mobile phone app during rock hammering under Metro deck in Stage 2 at Hunter St East, and noise levels [redacted].	

Meetings		
Date	**With**	**Purpose**
15 June	DPHI, ER	Monthly Compliance Meeting
1, 15, 29	Sydney Metro, GLC, ATC	Briefing on works status – meeting series now concluded; will be re-established with LWD later in year
2, 9, 23 June	*Sydney Metro, JCGJV, ER*	*Weekly environment meeting, ETP*
10, 24 June	Sydney Metro, GLC, ER	Environment meeting, WTP
2, 9, 16, 23, 30 June	Sydney Metro, ER, JHG	Phase N Line Wide Works (LWD) Enviro and Approvals meeting
25 June	DPHI, ER	Monthly Post Approvals Meeting
1, 9, 15, 22, 29 June	Sydney Metro, ER, Gamuda	Weekly environment meeting, SPW
4 June	Sydney Metro, ER, Gamuda	SPW Hold Points - LIW
9 June	Sydney Metro, ER, Gamuda	SPW Early Works DNVIS Run-through
12 June	Sydney Metro, ER, Gamuda	LIW04 Comment closure
1, 9, 15, 22 June	SM, ER, Lendlease	Weekly environment meeting, Hunter Street Station
3, 17 June	Sydney Metro, Quickway, ER	Phase L Rosehill PEW Enviro and Approvals meeting

Noise and vibration issues, incidents, recommendations	
Date	**Contract / Location and details**
June	Project–wide. Handover plant and equipment items noise and vibration considerations.

Examples of good practice in noise and vibration management	
Date	**Contract / Location and details**
10 June	ETP Hunter Street East: tower crane demob over previous weekend with no complaints.
15 June	ETP Hunter Street East: Very good noise mats set-up, right way round, no visible gaps between, with minimum gap for access opening away from receivers; excellent noise mats deployment system with mats cable tied to ATF panels trailer loaded for efficient deployment and arrangement.  **Photo 1**. Good noise mat setup: mats right way round with minimum opening away from [redacted] for crew access and supervision only.  **Photo 2**. Excellent noise mats deployment system with mats cable tied to ATF panels trailer loaded for efficient deployment and arrangement .
10, 24 June	WTP: relatively noisy hydro blasting power pack relocated into station box at Parramatta to reduce noise levels on Macquarie St

Current Works
ETP: • *Hunter Street: shaft excavation by day and ongoing OOH tunnelling support works at Hunter Street East; bulk excavation nearing completion at Hunter Street West.*
WTP: • Westmead: defect rectification and completing handover items. • Parramatta: Station box and tunnell finishing works. • Clyde Dive: finished works • Rosehill: surface structures demolished and demobbing • Metro Stabling Facility: final landform earthworks.
Utilities packages: • Rosehill: construction underway, managing cumulative impacts with GLC and Ferricarrig works in same area.
Stations Package West: • Low impact works (care & maintenance, including Water Treatment Plant at The Bays) ongoing. • Gamuda has completed their additional baseline monitoring and is processing the results.
Linewide Works • Low Impact Geotech surveys at MSF. Amenities install at RSH and SOP

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. Noise and vibration levels decreasing as excavation progresses deeper. Potential cumulative impact from Milligans development.*
WTP: • Low risk
Utilities packages: • Rosehill: works mainly through industrial area. Almost all works will be below NML at ATC and nearest residential receivers.
Stations Package West: • Multiple low impact works applications have been approved and either have commenced or will commence imminently. • OOHW remains limited to operating the water treatment plant at The Bays. • One delivery is proposed to occur as OOHW at North Strathfield in an application currently being assessed.
Linewide Works • Low Impact Work rail delivery at SOP commenced in June; low risk Geotech investigations commencing in July

Monitoring data
No notable results to share this month

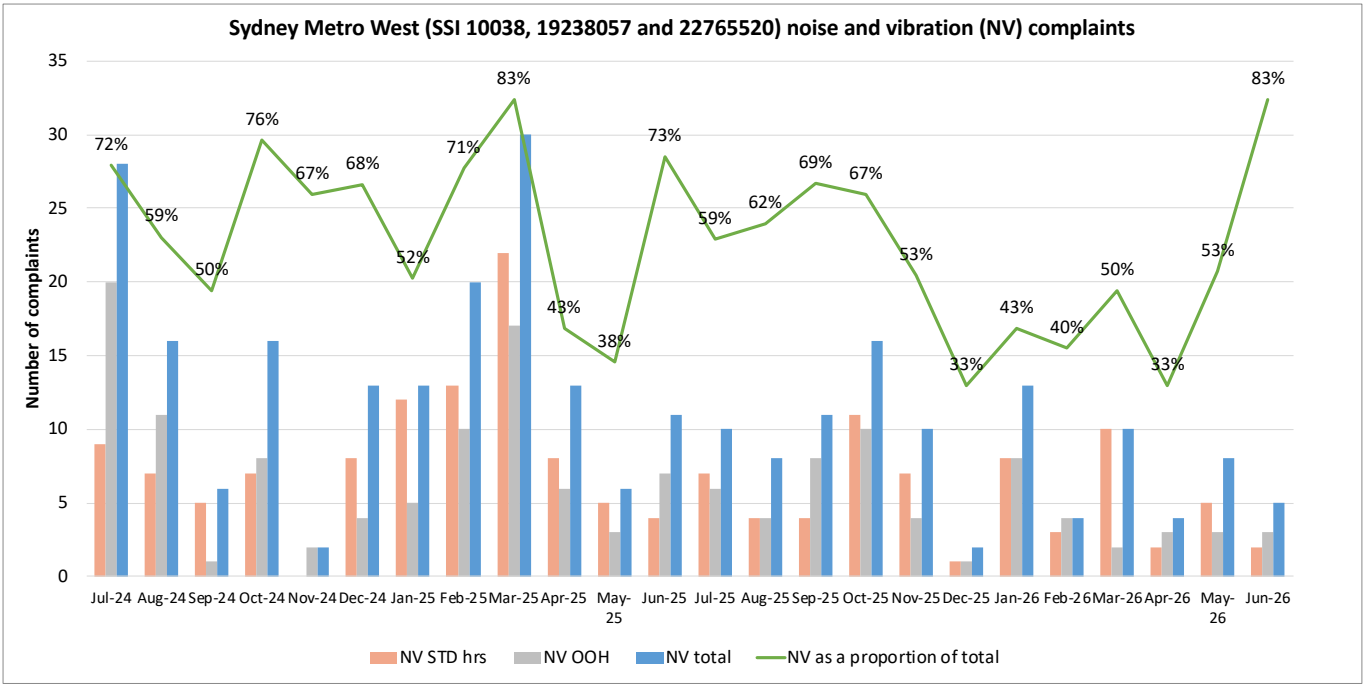
Noise and vibration complaints

There were 5 registered noise and vibration complaints attributed to Sydney Metro in June, 3 of which were from stakeholders near Hunter Street and 2 near Pyrmont.

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				
Parramatta				
Clyde / Rosehill				
Sydney Olympic Park				
North Strathfield				
Burwood North				
Five Dock				
The Bays				
Pyrmont		*2*		*2*
Hunter Street	*2*	*1*		*3*
Tunnelling ETP CTP WTP				
Total	**2**	**3**		**5**

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

