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:	March 2026	Authorisation:	Dave Anderson, Acoustics Advisor [redacted]
Prepared by:	Larry Clark, David Hanson, Aaron Miller		
Date of issue:	7 April 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		
Clyde Dive - M4 Slip Road Works DNVIS	Y	31 March 2026
Seventh six-monthly CNVMoR	Y	Under Review
Parramatta - Macquarie Lane Reinstatement Works DNVIS		
Westmead Shed Removal DNVIS	Y	16 March 2026
Stage 2 – Phase G2 Eastern Tunnelling Package *(ETP), JCG*[1]		
Hunter Street West OOH concrete pours DNVIS Rev 3	*Y*	*5 March 2026*
Weekly real time unattended noise and vibration monitoring results Feb 26	*Y*	*N/A*
HSE Tower Crane demob of TBM Gantry 19 February noise monitoring report	*Y*	*N/A*
Hunter Street West OOH concrete pours DNVIS Rev 4	*Y*	*26 March 2026*
Stage 1 - Phase J (North Strathfield Utilities and Kiosk), Syscon		
OOHW Permit 1 rev. 7	Y	6 March 2026
Syscon noise monitoring report 3	Y	N/A
Stage 1 - Phase H2 (Five Dock Utilities Relocation), Quickway		
OOHW Permit 2 – Cutover Works rev.2	Y	3rd March 2026
Quickway noise monitoring reports 5 and 6	Y	N/A
Stage 3[2] – Phase L (Rosehill Power Enabling Works), Quickway		
OOHW Permit 2 Rev. 4	Y	5 March 2026
OOHW Permit 2 Rev. 5	Y	19 March 2026
Quickway noise monitoring reports 2 and 3	Y	N/A
Stage 3 – Phase N (Line Wide Works - LWD), JHG		
Low Impact Work Form Tunnel Service Operation, Relocation and Defect Rectification	Y	N/A
Low Impact Work Form Water Treatment Plant Operation and Maintenance	Y	N/A
Low Impact Work Form Rosehill Access, Amenities and Survey	Y	N/A
Low Impact Work Form Rosehill Geotech	Y	Under review
Project Induction Rev A	Y	N/A
Construction Noise and Vibration Management Plan (CNVMP)	Y	Under Review
Stage 3 – Phase O (Stations Package West), Gamuda		
LIW-01 - Inspection, Care and Maintenance at The Bays, Five Dock, Burwood and N Strathfield	Y	N/A
Phasing Report Rev1.1	Y	N/A
CEMP rev. 0	Y	N/A
CEMP Sub-plan Heritage Management Plan rev. 0	Y	N/A
CEMP Sub-plan CNVMP rev. 01	Y	In progress
CEMP Sub-plan CNVMonP rev. 01	Y	In progress

[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**
3 March	*ETP Hunter Street and Pyrmont.*	*Larry Clark joined ER inspection*
	Discussion on possible replacements for shaking of excavator bucket at HSE to separate large and small fractions of spoil. JCG to investigate remedy for loud squeal when kibble emptied into loading frame at HSW. View locations of RTN monitors at PYR with a view to removing HSW and [redacted]	
4 March	WTP Parramatta and Westmead	Larry Clark joined ER inspection
	Parramatta: discussion on noise mats being set up for OOH restoration of Macquarie Lane, being done by Quickway for GLC . Photos subsequently provided. Westmead: noise mats to be pulled back over openings in north façade of the acoustic shed at the end of day works. Discussion, and measurements of, overhead load alarm associated with Fassi crane operation, for consideration as acoustic shed is demolished. Noise mats around compressor and east stairs noted to have been tidied, as discussed at the previous inspection.	
4 March	Rosehill Power Enabling Works	David Hanson joined ER OOHW inspection
	Noise mitigation implemented well (noise blankets encompassing site)	
10 March	*ETP Hunter Street*	*Larry Clark joined ER inspection*
	Spot noise measurements inside [redacted].	
10 March	Five Dock Utilities Relocation	David Hanson joined the ER OOHW inspection
	Large mobilisation of plant and personnel operating across the Five Dock site. Quiet vac truck sourced by Quickway. Council road works (with no noise mitigation) operating adjacent – coordination with Council had not identified this but cumulative impacts managed as closest receivers had been offered alternative accommodation by Metro.	
11 March	WTP Rosehill, MSF, Clyde Dive	Larry Clark joined ER inspection
	Discussion on removal or retention of RTN monitor on ATC boundary. Monitor to be retained in consideration of future breaking of adjacent hard stand.	
12 March	CTP Burwood North, North Strathfield, Sydney Olympic Park	Larry Clark joined ER inspection. DPHI compliance representatives in attendance.
	Discussions on: re-measuring RBLs at BWT with buildings demolished between Parramatta Road and residences; plywood noise treatment of WTP motors at BWT; language schools and boarding schools in noise catchments at NST; elevated residences overlooking SOP site, and the benefits of including possible, readily accessible noise monitoring locations in noise prediction models.	
17 March	*ETP Hunter Street and The Bays*	*Larry Clark joined ER inspection*
	Spot noise measurements inside [redacted]*. No kibble squeal heard at HSW. Discussion on upcoming daytime (8 hour) shed demolition at TBY.*	
18 March	WTP Parramatta and Westmead	Larry Clark joined ER inspection
	Cleaning of station box floor with compressed air for blinding layer pour observed to be loud at PTA, but no noise or vibration issues.	
19 March	*ETP Hunter Street East*	*Larry Clark attended groundborne noise measurements.*
	Spot noise measurements inside [redacted] *at the same time as JCG measured groundborne noise in other locations in buildings adjacent to the northern site boundary. Variation in levels observed for different size hammers and location of hammering across the Stage 2 excavation.*	
24 March	*ETP Hunter Street East and West*	*Larry Clark joined ER inspection*
	Spot noise measurements inside ground floor lift lobby of 16 O'Connell Street.	
25 March	WTP Rosehill, Metro Stabling Facility, Clyde Dive	Larry Clark joined ER inspection
	Discussions on: vibration levels at ATC stables during vibratory roller compaction adjacent to ATC boundary; extent of future breaking of hard stand adjacent to ATC stables and possible alternatives to breaking given available area constraints.	
26 March	CTP TBY, FDK	Larry Clark joined ER inspection. DPHI compliance representatives in attendance.
	No noise and vibration issues. Discussions on locations of residences adjacent to, and overlooking, the sites.	
31 March	*ETP Hunter Street East and West*	*Larry Clark joined ER inspection. Alternate AA Dave Anderson and Jeff Parnell, Sydney Metro in attendance.*
	Low groundborne noise levels observed inside ground floor lift lobby of 16 O'Connell Street. Discussions on application of CoA D39 conditions and benefits and disbenefits of some alternatives.	

Meetings		
Date	**With**	**Purpose**
2 March	Sydney Metro, JCGJV	DNVIS HSW OOH concrete pour comments discussion
5 March	Sydney Metro, GLC	DNVIS WMD Shed demolition comments discussion
9 March	DPHI, ER	Monthly Compliance Meeting
10 March	JCGJV, ER	HSE vibration monitoring results discussion
9, 23 March	Sydney Metro, GLC, ATC	Fortnightly briefing on works status
4, 18 March	Sydney Metro, ER, Quickway	Five Dock Utility Relocation Enviro and Approvals meeting
10, 24 March	Sydney Metro, ER, Quickway	Rosehill Power Enabling Works Environment Meeting
12, 26 March	AFJV, Sydney Metro, ER	Environment meeting, CTP
3, 17, 24, 31 March	*Sydney Metro, JCGJV, ER*	*Weekly environment meeting, ETP*
4, 18 March	Sydney Metro, GLC, ER	Environment meeting, WTP
2, 8 March	Sydney Metro, ER, Syscon	Phase J Nth Strathfield Enviro and Approvals meeting
10, 24, 31 March	Sydney Metro, ER, JHG	Phase N Line Wide Works (LWD) Enviro and Approvals meeting
25 February	Sydney Metro, ER, JHG	Phase N LWD Phasing Report ER's review
26 March	DPHI, ER	Monthly Post Approvals Meeting
3, 10, 17, 24, 31 March	Sydney Metro, ER, Gamuda	Weekly environment meeting, SPW
10 March	Sydney Metro, ER, Gamuda	SPW Land use meeting
30 March	Sydney Metro, ER, Gamuda	SPW CEMP Sub-plan comment clarification meeting

Noise and vibration issues, incidents, recommendations	
Date	**Contract / Location and details**
10 March	Five Dock Utilities Relocation: major OOHW package delivered – cutover works including pole removal. Several teams operating at locations across the area simultaneously with lift trucks, cherry pickers, excavators and other plant. City of Canada Bay Council conducted road works on the corner of Second Ave and Great North Road at the same time. Sydney Metro and Quickway had followed engagement protocols with Council and received no notice of these works. Council did not implement noise controls (no noise blankets, tonal movement alarms in use, trucks using horns to signal to plant operators, etc.). Fortunately, Metro had already offered alternative accommodation to all the residents of the closest receiver, 110 Great North Road, so cumulative impacts were managed.

Examples of good practice in noise and vibration management	
Date	**Contract / Location and details**
10 March	Five Dock Utilities Relocation Quickway sourced a vac truck which on-site spot measurements indicate is 7-9dBA quieter than a conventional vac truck of the same (large) size.

Current Works
ETP: • *Hunter Street: shaft excavation by day, ongoing OOH tunnelling support works at Hunter Street East.* • *Tunnelling and cross passages support, spoil and segment shed demolition at The Bays.*
CTP: • AFJV involvement in CTP sites scheduled to conclude on 31 March 2026.
WTP: • Westmead: ongoing tunnel works; shed demolition. • Parramatta: Station box excavation and tunnell works. • Clyde Dive: tunnel equipment demob; perimeter fencing, earthworks and finishing works • Rosehill: ongoing tunnel and cross passage support; surface structures demolition • Metro Stabling Facility: final landform earthworks. No OOHW
Utilities packages: • Five Dock: construction works completed in early March. • Rosehill: construction underway, commencing with the areas furthest from the stables and residential receivers. • North Strathfield: construction works 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.*

CTP:

- AFJV involvement in CTP sites scheduled to conclude on 31 March 2026.

WTP:

- Haul road removal and other works along Clyde Dive ATC boundary adjacent to stables. Being managed by regular meeting with ATC and respite via later starts.

Utilities packages:

- Five Dock: construction completed.
- Rosehill: works mainly through industrial area. Almost all works will be below NML at ATC and nearest residential receivers.
- North Strathfield: construction completed.

Stations Package West:

- Gamuda to take control of sites from 31/3/2026, then low impact works (care & maintenance) to commence.

Monitoring data

Five Dock: attended noise monitoring by Acoustics Advisor on 10th March during OOHW inspection indicated that vac truck SWL was around 100dBA, i.e. 9dBA quieter than convential large vac truck.



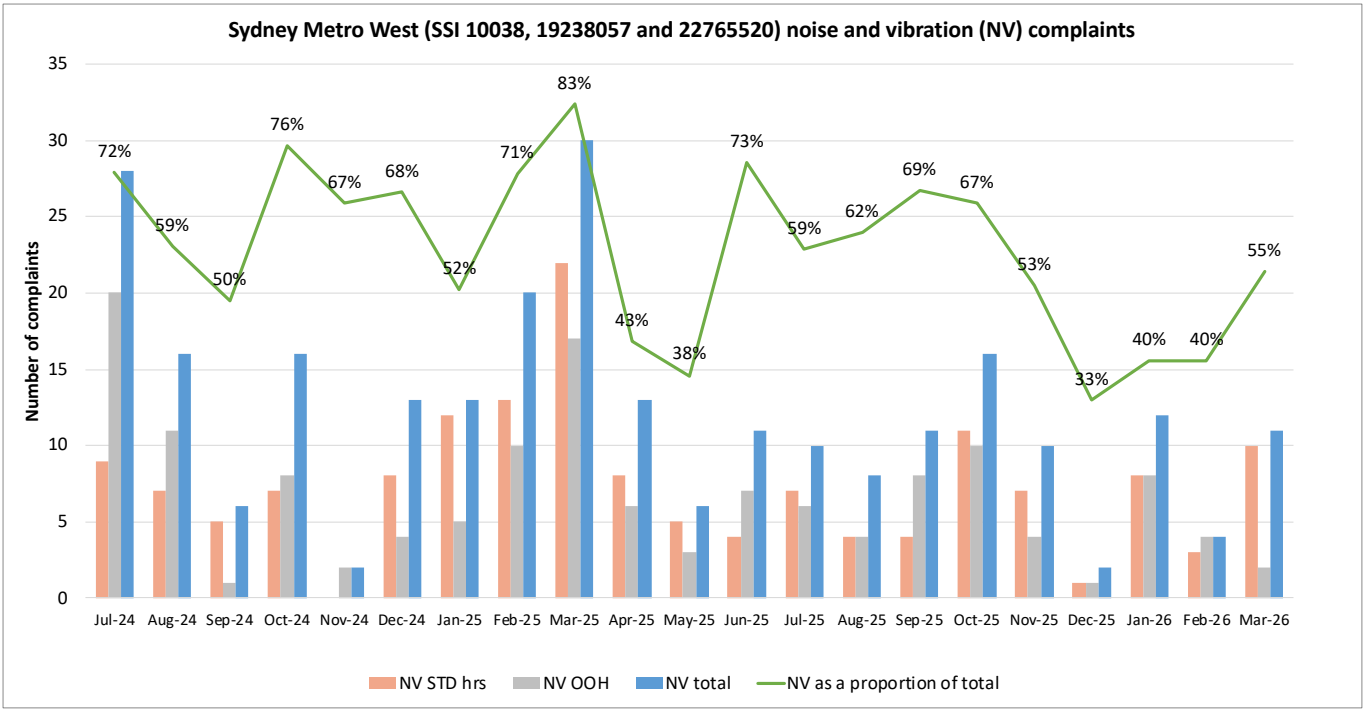
Noise and vibration complaints

There were 11 registered noise and vibration complaints attributed to Sydney Metro in March, 8 of which were from stakeholders near Hunter Street East, affected by daytime shaft excavation activities.

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	2
Parramatta				
Clyde / Rosehill				
Sydney Olympic Park				
North Strathfield				
Burwood North		1		1
Five Dock				
The Bays				
Pyrmont				
Hunter Street	*8*			*8*
Tunnelling ETP CTP WTP				
Total	**9**	**1**	**1**	**11**

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

