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:	May 2026	Authorisation:	Dave Anderson, Acoustics Advisor [redacted]
Prepared by:	Larry Clark, David Hanson, Aaron Miller		
Date of issue:	7 June 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		
Stage 1 - Phase J (North Strathfield Utilities and Kiosk), Syscon		
Package concluded in March 2026		
Stage 1 - Phase H2 (Five Dock Utilities Relocation), Quickway		
Package concluded in March 2026		
Stage 2[1] ***– Phase G2 Eastern Tunnelling Package*** *(ETP), JCG*		
March 2025 to March 2026 Annual noise and vibration monitoring report	*Y*	
Hunter Street west OOH noise monitoring	*Y*	*N/A*
DNVIS Hunter Street Station Rev 8	*Y*	*Under review*
Weekly real time unattended noise and vibration monitoring results April and May 2026	*Y*	*N/A*
Stage 3[2] **– Phase L** (Rosehill Power Enabling Works), Quickway		
OOHW Permit 2 Extension (updated ROLs only)	Y	15 May 2026
Quickway noise monitoring report 5	Y	N/A
Stage 3 – Phase N (Line Wide Works - LWD), JHG		
Construction Noise and Vibration Management Plan (CNVMP)	Y	14 May 2026
Low Impact Work Form Rosehill Geotech	Y	N/A
LIW SOP Rail delivery, grinding, welding	Y	N/A
Stage 3 – Phase O (Stations Package West), Gamuda		
Five Dock Station DNVIS Rev. 1	Y	Under revision
LIW North Strathfield Site Establishment Rev. A	Y	N/A
LIW Station Box Membrane Smoothing Layer at The Bays Rev. B	Y	N/A
LIW Inspection, Care and Maintenance (Additional Land) and Water Treatment Plant Operations at The Bays, Rev. A & Rev. B	Y	N/A
LIW Site Investigations, NDD and Gate Modifications at NST, BWD, FDK and TBY Rev. C	Y	N/A

[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**
4 May	*ETP Hunter Street West*	*Larry Clark OOH inspection*
	Witness and verify noise monitoring during concrete pour. Excellent neighbourly crew behaviours; no additional noise mitigation measures feasible or reasonable; monitored noise levels less than predicted.	
5 May	Rosehill Phase L	David Hanson joined the ER OOH inspection
	Witnessed trenching works on corner of Unwin and Colquhoun Streets	
6 May	WTP Rosehill, MSF and Clyde Dive	Larry Clark joined ER inspection
	Discussions on; removal of vibration monitor near RTA heritage façade with adjoining concrete hardstand to be retained and not demolished; no more concrete to be broken out at Clyde Dive; jersey kerbs on James Ruse Drive to be moved OOH in the next week; OOH sewer works in P4 carpark; removal of noise and vibration monitors.	
7 May	LWD Rosehill, MSF	Larry Clark joined ER inspection
	Discussions on: McGreevy report and indicated trigger levels of 60dBLAeq,15minutes and 2mm/s PPV; experience with ATC and observations with horses to date.	
12 May	*ETP Hunter Street*	*Larry Clark joined ER inspection*
	Gaps closed and hoarding [redacted]. Discussions on: feasibility and reasonableness of noise mats on the kibble loadout at HSE for enclosing concrete pump during future proposed OOH pours; inlet fan and exhaust outlets at HSW concrete pump enclosure, and chute only washout on site.	
13 May	WTP Parramatta and Westmead	Larry Clark joined ER inspection
	Discussions on: hydro demo in Westmead station box; doing attended monitoring for OOH or high noise works with the cessation of real time monitoring.	
19 May	*ETP Hunter Street*	*Larry Clark joined ER inspection*
	Discussions on: feasibility and reasonableness of noise mats on the kibble loadout at HSE for enclosing concrete pump during future proposed OOH pours; one only concrete pump in use at a time in the HSW enclosure, due to issues of pressure in the line, with a booster pump located in the shaft.	
20 May	WTP Rosehill, MSF and Clyde Dive	Larry Clark joined ER inspection
	Discussion on: successful relocation of barriers along JRD; demob and defects works ongoing; handover dates.	
26 May	*ETP Hunter Street*	*Larry Clark joined ER inspection*
	Discussion on: boom extension added to diesel crawler crane at HSE to take over lifts when the tower crane is demobbed; [redacted].	
27 May	WTP Parramatta and Westmead	Larry Clark joined ER inspection
	Discussions on: hydro demo in Parramatta station box; upcoming OOH stormwater tie-in on Macquarie St; invert excavation / breaking out in station box at Westmead.	

Meetings		
Date	**With**	**Purpose**
4 May	SM, LWD, SPW	Stage 3 Additional baseline monitoring
11 May	DPHI, ER	Monthly Compliance Meeting
18 May	Sydney Metro, GLC, ATC	Briefing on works status
5, 12, 19, 26 May	*Sydney Metro, JCGJV, ER*	*Weekly environment meeting, ETP*
27 May	Sydney Metro, GLC, ER	Environment meeting, WTP
5, 12, 19, 26 May	Sydney Metro, ER, JHG	Phase N Line Wide Works (LWD) Enviro and Approvals meeting
28 May	DPHI, ER	Monthly Post Approvals Meeting
4, 11, 18, 25 May	Sydney Metro, ER, Gamuda	Weekly environment meeting, SPW
6, 8 May	Sydney Metro, ER, Gamuda	SPW Low Impact Works – Comment Clarification
19 May	ER, Gamuda	SPW Initial feedback on Five Dock DNVIS
20 May	DPHI, Sydney Metro, ER, Gamuda	SPW Response to DPHI RFIs on CEMP & Sub-plans
22 May	Sydney Metro, ER, Gamuda	SPW Construction commencement gap & low impact works update
25 May	Sydney Metro, ER, Gamuda	SPW Response to DPHI RFIs on CEMP & Sub-plans
18, 25 May	SM, ER, Lendlease	Weekly environment meeting, Hunter Street Station
20 May	Sydney Metro, Quickway, ER	Phase L Rosehill PEW Enviro and Approvals meeting

Noise and vibration issues, incidents, recommendations	
Date	**Contract / Location and details**

Examples of good practice in noise and vibration management	
Date	**Contract / Location and details**
5 May	Quiet excavator and vac truck in use at Rosehill as part of Phase L 
4 May	ETP Hunter Street West: excellent, neighbourly crew behaviours observed during OOH concrete pours – no shouting, no excessively loud comms radios or concrete agi movements, no excessive or unnecessary signalling with horns or other plant and equipment noise.
Week of 12 May	ETP Hunter Street East: [redacted].

Current Works
ETP: • *Hunter Street: shaft excavation by day, OOH concrete pours at Hunter Street West, ongoing OOH tunnelling support works at Hunter Street East.* • *Demolition and demob completed at The Bays and site handed over.*
WTP: • Westmead: finished tunnel works; shed demolished; fixing defects 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. No OOHW
Utilities packages: • Rosehill: construction underway, managing cumulative impacts with GLC works in same area.
Stations Package West: • Low impact works (care & maintenance, including Water Treatment Plant at The Bays) underway. • Low impact works (survey, investigations, monitoring, environmental controls and utilities at The Bays, Five Dock, Burwood North and North Strathfield) underway. • Low impact works covering NDD works (not subject to a DNVIS) to commence imminently. • Low impact works covering station box membrane smoothing layer at The Bays underway.
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. 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:

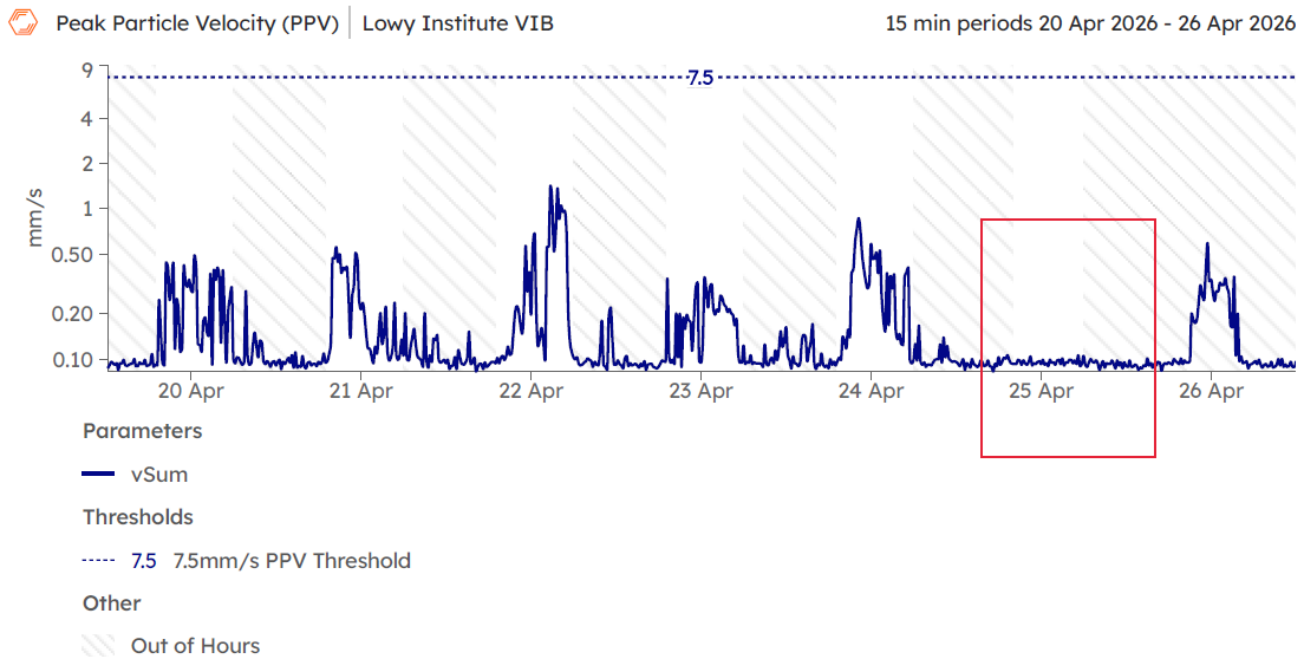
- Multiple low impact works applications have been approved and either have commenced or will commence imminently.
- Multiple low impact works applications currently being assessed.
- OOHW remains limited to operating the water treatment plant at The Bays.
- One delivery is proposed to occur as OOHW at North Strathfield in an application currently being assessed.

Linewide Works

- Low risk Geotech investigations, and Low Impact Work rail delivery at SOP to commence in June.

Monitoring data

ETP Hunter Street east real-time continuous unattended vibration monitoring at [redacted] showing Anzac Day (Saturday 25 April, boxed in red) vs working days Monday 20 to Thursday 24 April. An example of real time unattended continuous monitoring results provided for review monthly to ER and AA.



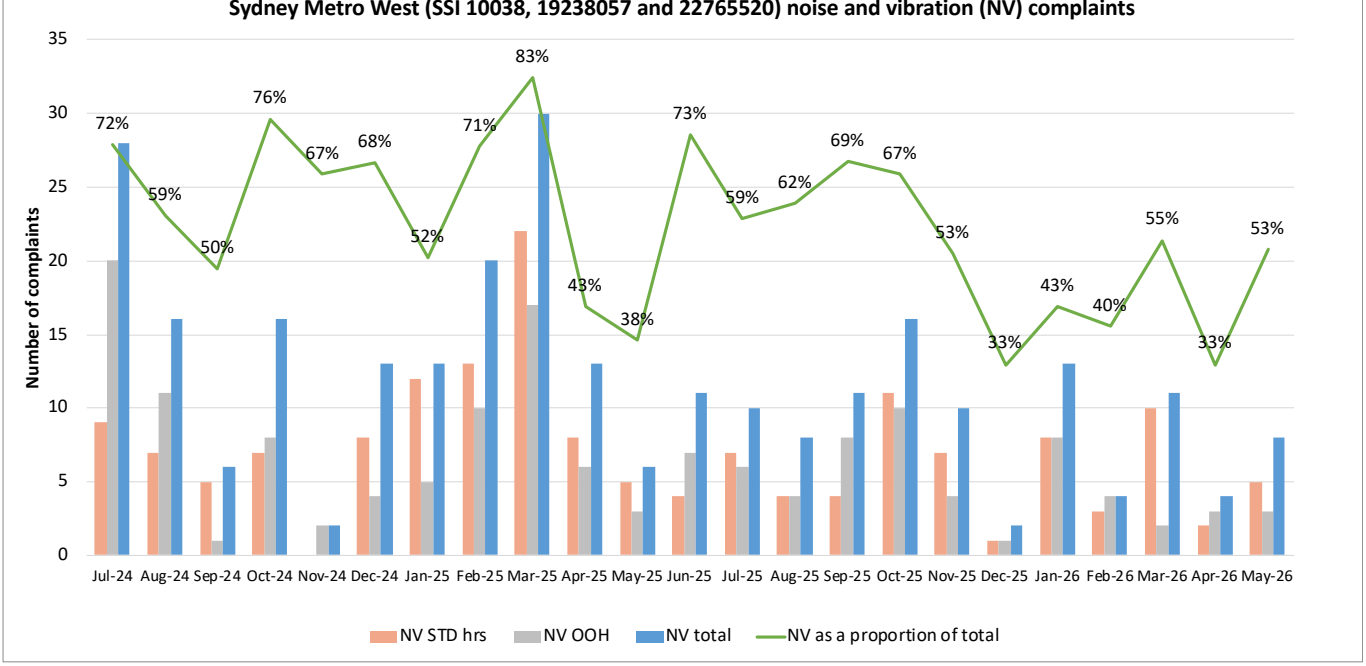
Noise and vibration complaints

There were 8 registered noise and vibration complaints attributed to Sydney Metro in May, 7 of which were from stakeholders near Hunter Street [redacted].

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		*1*		*1*
Hunter Street	*3*	*4*		*7*
Tunnelling ETP CTP WTP				
Total	**3**	**5**		**8**

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

