ACOUSTICS ADVISOR MONTHLY REPORT

SYDNEY METRO WEST - Stage 1 (SSI 10038), *Stage 2 (SSI 19238057*[1]) and Stage 3 (SSI 22765520[2])

For period:	October 2025	Authorisation:	Dave Anderson, Acoustics Advisor
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Date of issue:	7 November 2025		

Acoustics Advisors		
Dave Anderson, Larry Clark, David Hanson, Aaron Miller and Sav Shimada		
Document review		
Document	**Reviewed**	**Endorsed / approved**
Stage 1 - Central Tunnelling Package (CTP), AFJV		
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Stage 1 - Western Tunnelling Package (WTP), GLC		
Clyde Dive tree removal on James Ruse Drive DNVIS	Y	8 October 2025
TBM breakthrough vibration monitoring results at Roxy Theatre	Y	N/A
***Stage 2 - Eastern Tunnelling Package** (ETP), JCG*[1]		
Weekly real time unattended noise and vibration monitoring results Aug, Sep, Oct	*Y*	*N/A*
Stage 1 - Phase J (North Strathfield Utilities and Kiosk), Syscon		
Detailed Noise and Vibration Impact Statement	Y	Under review
Construction Noise and Vibration Management Plan	Y	Under review
Construction Environment Management Plan	Y	N/A
Stage 1 - Phase H2 (Five Dock Utilities Relocation), Quickway		
Detailed Noise and Vibration Impact Statement	Y	Under Review
A21 Minor Ancillary Facility - Second Avenue Storage Area Application	Y	N/A
Stage 3[2] – Phase L (Rosehill Power Enabling Works), Quickway		
Construction Environment Management Plan	Y	N/A
Construction Noise and Vibration Management Procedure	Y	31 October 2025

[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
1 October	WTP Parramatta, Westmead	Larry Clark joined ER inspection
	Discussions on TBM services, vent fan operations, Priddle St night works, correlation between TBM cutter head torque and vibration levels, concrete pours OOH, TBM demob.	
8 October	WTP Rosehill, Clyde Dive	Larry Clark joined ER inspection
	Discussions on correlation between TBM cutter head torque and vibration levels, cross Passages progress, 9am later start for loud vibration of concrete formwork across from ATC stables, James Ruse tree removal options, correct noise mat orientation.	
9 October	CTP Burwood North, North Strathfield, Sydney Olympic Park	Larry Clark joined ER inspection
	No noise and vibration issues: tunnel vent fans audible immediately adjacent to station box only; tidying up at SOP.	
14 October	*ETP Hunter Street and Pyrmont Sites*	*Larry Clark joined ER inspection*
	Discussions on: attenuation of diesel tower crane; discussions with complainants; respite offers; 24/7 hammering at PYR.	
15 October	WTP Parramatta Westmead	Larry Clark joined ER inspection
	Discussion on hammering to be paused during a funeral service at a nearby church following comms discussions; OOH concrete drop pipe deliveries; real time monitoring systems, validation and verification.	
16 October	*ETP Pyrmont East*	*Larry Clark joined for part of OOHW monitoring*
	Observation of a segment delivery truck quietly and quickly accessing the site; monitoring of segment delivery truck quietly leaving the site.	
21 October	*ETP Hunter Street and Pyrmont*	*Larry Clark joined ER inspection*
	Discussions on measured GBN levels for OOH hammering below predictions; treatment options for exhausts of concrete pumps to be in acoustic tents on Union Street.	
22 October	WTP Rosehill and Clyde Dive	Larry Clark joined ER inspection
	Discussions on: containers, noise blanket treatments and hand tools use for headwall OOH FRP; quieter demo of east haul road by sawing and lifting slabs and transporting to a removed location for breakup; generator enclosure opened for cooling to be closed if operation OOH; torque wrenches and positrack EWPs used on other projects.	
27 October	*ETP Pyrmont –* [redacted]	*Aaron Miller witnessed attended ground-borne noise and vibration monitoring of cross-passage hammering works.*
	Hammer operating 60m (plan distance) away from residence which is on [redacted]*. Hammering not audible at any stage, vibration was not perceptible and barely measurable. Background noise level was 28 dBA, LAeq was 34 dBA and controlled by road traffic noise.*	
28 October	*ETP Hunter Street and Pyrmont sites, including tunnels*	*Aaron Miller joined ER inspection*
	General inspection of Hunter Street and Pyrmont sites both above ground and entering the tunnels. Some third party works on footpath next to ancillary site at Hunter Street West, could be mistakenly attributed to Sydney Metro. Tower crane not yet installed at Hunter Street East. Works continuing at Pyrmont, temporary noise barriers around concrete pumps in the Union Street work area have been constructed.	

Meetings

Date	With	Purpose
20 October	Sydney Metro, GLC, ATC	Fortnightly works status
13 October	DPHI, ERs	Monthly meeting with DPHI Compliance
23 October	DPHI, ERs	Monthly meeting with DPHI Post Approvals
1, 15, 29 October	Sydney Metro, ER, Quickway	Five Dock Utility Relocation Enviro and Approvals meeting
9, 21 October	Sydney Metro, ER, Quickway	Rosehill Power Enabling Works Environment Meeting
9 October	AFJV, Sydney Metro, ER	Environment meeting, CTP
7, 14, 21 28 October	*Sydney Metro, JCGJV, ER*	*Weekly environment meeting, ETP*
1, 15, 29 October	Sydney Metro, GLC, ER	Environment meeting, WTP

Meetings

Date	With	Purpose
7, 13, 20 October	Sydney Metro, ER, Syscon	Phase J Nth Strathfield Enviro and Approvals meeting
21 October	Sydney Metro, Quickway, DPHI	Compliance 101 for Five Dock works package
20 October	AAs, DPHI	Quarterly DPHI / AA Catchup
28 October	Quickway, Sydney Metro, ER	Five Dock DNVIS Comments Closeout

Noise and vibration issues, incidents, recommendations

Date	Contract / Location and details
17 October	*ETP / PYR: D52 NCR JCG received correspondence from three stakeholders regarding an offer of alternative accommodation for night works occurring at Pyrmont in October 2025.* *The three stakeholders expressed dissatisfaction about the offer. The correspondence was initially recorded as an 'event' in the Consultation Manager Database (CMD). Following a review on 17/10/2025 of the entries these three 'events' were reclassified as 'complaints'. As a result the requirements of the ETP Community Communications Strategy Section 10.2.1 were not met. JCG have reviewed all correspondence to confirm all records, particularly related to the offer of alternative accommodation, to ensure they are correctly classified.* *JCG have conducted a Community Team Briefing on lessons learnt in relation to complaints management. All complaint entries logged in Consultation Manager will be reviewed by the Community & Stakeholder Manager prior the reporting period.*

Examples of good practice in noise and vibration management

Date	Contract / Location and details
	ETP HSE: Tower crane for TBM demobilisation is having exhaust silencer upgrades applied before coming to site – lessons learned from Pyrmont.
21 October	*ETP HSW: High noise impact works paused adjacent* [redacted]
15 October	WTP paused high impact works on the Macquarie St side of site during a funeral service at a nearby church following routine comms discussions, and received a compliment for doing so. (WTP also has an arrangement made in discussions with a nearby mosque for no rock hammering works within the tunnel between 12 and 12.30 on Fridays)

Ongoing and upcoming noise and vibration risks

ETP:

- *Potential construction noise fatigue at Hunter Street with works seven days per week (including Sunday) under CoA D39 respite agreement. JCG understood to be managing the situation with ongoing consultation and discussions with stakeholders.*
- *Hunter Street: shaft excavation by day, ongoing OOH tunnelling support works at Hunter Street East. Potential cumulative impact from Milligans development adjacent to Hunter Street West.*
- *24/7 scopes at Pyrmont, including overnight concrete pours (4 nights). Ground-borne noise from rock hammering measured to be less than predicted. JCG managing community engagement and respite / AA offers well.*

CTP:

- All CTP sites are now demobilised and handed over.

WTP:

- Haul road removal and other works along Clyde Dive ATC boundary adjacent to stables.

Utilities packages:

- Five Dock: Construction to commence mid-November with day works only until February 2026. Some high noise levels predicted for works adjoining [redacted] 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. Sydney Metro handling community engagement.
- Rosehill: works mainly through industrial area. All works predicted to be <NML at ATC and nearest residential receivers.
- North Strathfield: still in planning stage. LIW commenced in October / works to commence in December.

Noise and vibration complaints

There were 15 registered noise and vibration complaints attributed to Sydney Metro during October, encompassing 9 complaints related to Pyrmont and 5 to Hunter Street and one for tunnelling:

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*	*4*	*4*	*9*
Hunter Street	*4*	*1*		*5*
Tunnelling ETP CTP WTP			*1*	1
Total	**5**	**5**	**5**	**15**

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.

