ACOUSTICS ADVISOR MONTHLY REPORT

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

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Acoustics Advisors

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Document review

Document	Reviewed	Endorsed / approved
Stage 1 - Central Tunnelling Package (CTP), AFJV		
Noise monitoring reports 1 – 13 June and 14 June – 22 July 2025	Y	N/A
Final Bi-Annual Noise and Vibration Monitoring Report Jan – Jun 2025	Y	20 August 2025
Revised CoA D51 Outcomes of Community Consultation Report Jan – Mar 2025 (Q1)	Y	N/A
Stage 1 - Western Tunnelling Package (WTP), GLC		
DNVIS Rev W	Y	Under review
Attended noise monitoring during ATC boundary tree clearing, and shed demolition	Y	N/A
Attended noise monitoring ventilation fan Parramatta	Y	N/A
Construction Noise and Vibration Monitoring Program Rev I	Y	(01 September 2025)
Stage 2 - Eastern Tunnelling Package (ETP), JCG[1]		
Weekly realtime monitoring data 23 June to 11 August 2025	*Y*	*N/A*
Cross Passage 9 monitoring data	*Y*	*N/A*
Revised CoA D37 Outcomes of Community Consultation Report Jan – Mar 2025 (Q1)	*Y*	*N/A*
DNVIS Addendum Pyrmont Cavern Invert Rev 3	*Y*	*28 August 2025*
Stage 1 - Phase J (North Strathfield Utilities and Kiosk), Syscon		
No documents submitted for review in August		
Stage 1 - Phase H (Five Dock Utilities Relocation), Quickway		
Construction Environmental Management Plan	Y	Under Review
Construction Noise and Vibration Management Plan	Y	Under Review
Construction Noise and Vibration Monitoring Plan	Y	Under Review
Detailed Noise and Vibration Impact Statement	Y	Under Review
Stage 3[2] – Phase L (rosehill Power Enabling Works), Quickway		
OOHW Permit – Rosehill	Y	Under review
Low Impact Works assessment for Clyde / Rosehill pothole / slit trenching early works investigations	Y	Under review
Clyde / Rosehill pothole / slit trenching early works investigations – OOHW application 001	Y	Under review

Inspections / site visits

Date	Location(s)	Details
5 August	*ETP Hunter Street and Pyrmont sites.*	*Larry Clark joined ER inspection*
	Discussions on: [redacted], monitoring location and respite arrangements; cross passage 9 unattended real time monitoring data; attended monitoring in George St premises; rotary sieve as quieter alternative to shaking excavator sieving bucket; metal door opening and closing arrangements at PYR west.	
12 August	*ETP Hunter Street and Pyrmont sites, The Bays*	*Larry Clark joined ER inspection*

[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**
	Discussions on: recent attended monitoring results for [redacted]; measuring noise levels with O'Connell Street gate open and closed.	
14 August	CTP Burwood North, North Strathfield, Sydney Olympic Park	Larry Clark joined ER inspection
	Discussion on vent fans operating 24/7 at BWT but no other OOHWs. Vent fan noise only also audible on NST site; no activity in station box. Tidying up but no other works observed at SOP.	
18 August	WTP Clyde Dive	Larry Clark joined ER inspection
	Discussions on: CLJ and ATC boundary tree removal and acoustic shed demolition attended noise monitoring, use of quieter grapple saw for tree removal, grubbing of stumps instead of noisier grinding, mulching in campaigns; metal shed frame to be removed with shears and lowered rather than noisy dropping.	
19 August	*ETP Hunter Street and Pyrmont sites*	*Larry Clark joined ER inspection*
	Discussions on: results of measuring noise levels with O'Connell street gate open, and closed (no difference); discussions with [redacted], [redacted] and Hunter Street commercial receivers. Observations of hammering vibration levels adjacent to HSW site and inside Skinners Hotel.	
20 August	WTP Parramatta and Westmead	Larry Clark joined ER inspection
	Discussions on: TBMs progress, Telstra exchange levels; application of 5dB penalty for hammering to modelling and monitoring; vent fan operation and noise levels; Euroform; gantry crane alarm and door shutting at night.	
26 August	*ETP Hunter Street and Pyrmont sites, The Bays*	*Larry Clark joined ER inspection*
	Discussions on: [redacted] consultation re displays and expected TBM and cross passage vibration levels.	
29 August	CTP The Bays, Five Dock	Larry Clark joined ER inspection
	Discussions on: daytime only rock hammer excavation of TTS pits in station box; daytime only demobilisation of FDK west walkway, defects and maintenance works in tunnels and station boxes.	

Meetings		
Date	**With**	**Purpose**
11, 25 August	Sydney Metro, GLC, ATC	Fortnightly works status
11 August	DPHI, ER	Monthly meeting with DPHI compliance
14 August	GLC, Sydney Metro	Complaint ID 6304 close out
18 August	*JCG, Sydney Metro, ER*	*D39 Real time unattended noise monitoring triggers clarification*
6, 20 August	Sydney Metro, ER, Quickway	Five Dock Utility Relocation Ennvironment Meeting
12, 26 August	Sydney Metro, ER, Quickway	Rosehill Power Enabling Works Environment Meeting
29 August	*JCG, Sydney Metro, ER*	*DNVIS Addendum – Pyrmont Cavern discussion*
29 August	AFJV, Sydney Metro, ER	Environment meeting, CTP
5, 19 August	*Sydney Metro, JCGJV, ER*	*Weekly environment meeting, ETP*
5 August	*Sydney Metro, JCGJV, ER*	*DNVIS Addendum – Pyrmont Cavern discussion*
28 August	DPHI, Sydney Metro, ER	Monthly meeting with DPHI post-approvals
7, 20 August	Sydney Metro, GLC, ER	Environment meeting, WTP
7 August	Sydney Metro, ERs, AAs	CoAs D51 / D37 implementation follow up discussion
27 August	Sydney Metro, ER, Syscon	Phase J Nth Strathfield Electrical Kiosk Scope kick-off

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**
18 August	WTP / CLJ: use of grapple saw for tree clearing along ATC boundary, reducing the use of noisier petrol chain saws and eliminating noise that would have resulted from snapping branches with the grapple alone.
19 August	*ETP / HSE: good attended noise monitoring practice, repeating measurements to confirm gate open / closed measurement results.*

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; demolition work at that site likely to ramp up in September.* • *Planning underway for 24/7 scopes at Pyrmont, including tunnelling with rock hammers (~1-2 weeks) and overnight concrete pours (4 nights).*
CTP: • All CTP sites are now demobilised and handed over noting that the final surface site handover was achieved at Five Dock on 12 May 2025.
WTP: • Haul road removal, piling and other retaining wall works along Clyde Dive ATC boundary adjacent to stables; acoustic shed demolition.

Noise and vibration complaints

7 noise and vibration complaints attributed to Sydney Metro during August, 3 of which were from Hunter Street and 3 were from Pyrmont:

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*	*1*	*1*	*3*
Hunter Street	*1*	*2*		*3*
Tunnelling ETP CTP WTP				
Total	**3**	**3**	**1**	**7**

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.

