

ACOUSTICS ADVISOR MONTHLY REPORT

SYDNEY METRO WEST - Stage 1 (SSI 10038), Stage 2 (SSI 19238057¹) and Stage 3 (SSI 22765520²)

For period:	July 2025	Authorisation:	Larry Clark, Alternate Acoustics Advisor
Prepared by:	Larry Clark		
Date of issue:	7 August 2025		

Acoustics Advisors		
Dave Anderson, Larry Clark, David Hanson and Sav Shimada		
Document review		
Document	Reviewed	Endorsed / approved
Central Tunnelling Package (CTP), AFJV		
None		
Western Tunnelling Package (WTP), GLC		
Noise monitoring during TBM 1 transit of Parramatta station box	Y	N/A
Noise and Vibration Management Plan Rev 1 (Signed by GLC 7 July 2025)	Y	18 July 2025
Vibration monitoring data for ATC stables during vibratory roller compaction around HV protection slab location	Y	N/A
Eastern Tunnelling Package (ETP), JCG¹		
Ancillary Facility Assessment Union Street Concrete Pours	Y	N/A
Weekly realtime monitoring data 26 May to 22 June 2025	Y	N/A
Cross Passage 9 monitoring report	Y	N/A
VMS report 68 Pitt Street	Y	N/A
DNVIS Hunter Street Rev 3	Y	Under review
DNVIS Hunter Street Station Skinners Hotel Strengthening Rev 1	Y	30 July 2025
DNVIS Addendum Pyrmont TBM support Rev 8 – including Union St concrete pours	Y	31 July 2025
Attended noise monitoring results 285 George Street	Y	N/A
DNVIS Addendum Pyrmont Cavern Excavation Rev 1	Y	Under review
Stage 2 Phase H (North Strathfield Utilities and Kiosk), TBA¹		
No documents submitted for review in July		
Stage 2 Phase J (Five Dock Utilities Relocation), Quickway¹		
Sydney Metro West Phasing Report Rev. 2.0	Y	N/A
Low Impact Work Approval Form	Y	Under Review
Stage 3²		
OOHW Permit – Rosehill	Y	Under review
Out of Hours Work (OOHW) Protocol Rev 4	Y	31 July 2025
<u>Low Impact Works assessment for Clyde / Rosehill pothole / slit trenching early works investigations</u>	Y	<u>Under review</u>
<u>Clyde / Rosehill pothole / slit trenching early works investigations – OOHW application 001</u>	Y	<u>Under review</u>

Inspections / site visits		
Date	Location(s)	Details
4 July	WTP Clyde Dive	Larry Clark joined ER inspection
	Discussions on: upcoming activities of acoustic shed demolition; upcoming tree clearing along ATC boundary; HV protection slab (mostly done) vibration levels at ATC, including future vibratory rolling; compressor in new location and acoustic enclosure being built.	

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
9 July	WTP Parramatta	Larry Clark joined ER inspection
	Observation of TBM transitting station box. Attended noise monitoring done in the previous night subsequently provided, with no issues. Vent fans not yet operating. Vibration levels at Smith St and Roxy Cinema monitors when TBM broke through to be provided.	
11 July	ETP Hunter Street west	David Hanson witnessed attended noise monitoring for CoA D39 verification
	No issues raised.	
15 July	ETP Hunter Street and Pyrmont	Larry Clark joined ER inspection
	Discussions on: (Hunter Street) real time unattended, and attended, monitoring being done for CoA D39 verifications; logistics of large ("mega") pours; (Pyrmont) DNVIS for proposed OOHW hammering instead of road headers. Observation of GBN levels at End of Trip facilities in lower floor of building adjacent to Pyrmont East.	
16 July	WTP Clyde Dive	Larry Clark joined ER inspection
	Discussions on: upcoming activities of acoustic shed demolition; including the intention to keep the shed doors shut during the first week; pipes and services being removed for upcoming tree clearing along ATC boundary; HV protection slab vibration levels at ATC, including during vibratory rolling; compressor in new location, with silencer, and acoustic enclosure being built.	
17 July	CTP Sydney Olympic Park, Burwood North, Five Dock, The Bays	Larry Clark joined ER inspection
	High Noise Impact Activity of hammering out plinth at SOP to be done, with attended noise monitoring. High Noise Impact Activity of hammering out ramp at Burwood North completed. High Noise Impact Activity of hammering out a section of concrete at FDK East completed. High Noise Impact Activity of hammering new location for Temporary Service Pits at TBY to be done. Real time unattended monitors removed from Five Dock 10 July. Unattended, and attended noise, monitoring results subsequently provided and under review.	
22 July	ETP Hunter Street and The Bays	Larry Clark joined ER inspection
	Discussion on: (Hunter Street) Sunday respite provided at request of resident, and monitoring at that location; (Pyrmont) east roller doors now shut at Hunter Street west shed during the day when there are no deliveries (which are infrequent); (The Bays) squeal from sweeper truck, not used at night or off site, to be investigated.	
23 July	WTP Parramatta, Westmead	Larry Clark joined ER inspection
	Discussion on: (Parramatta) TBM 1 proximity to Telstra exchange, where monitors have been installed with the data accessible in real time; TBM 2 breakthrough date; vent fans on the surface not yet operationing; substation energised and no generators remaining operational; (Westmead) opening in shed roof to be enlarged for demob.	
30 July	WTP Clyde Dive	Larry Clark joined ER inspection
	Observations of: low noise battery powered lighting plant; day shift hammering of departure portal concrete slab; segment yard moved from north to south to allow for next package of works; panels being removed for demolition of acoustic shed, with exclusion zone in place in the adjacent car park – mezzanine inside shed removed.	

Meetings		
Date	With	Purpose
14, 28 July	Sydney Metro, GLC, ATC	Fortnightly works status
14 July	DPHI, ER	Monthly meeting with DPHI compliance
15 July	ERs	Discuss CoA D51 consultation reporting
17 July	Sydney Metro, ER	Discuss ETP DNVISs and XP9 notification
18 July	Sydney Metro, ER, Quickway	Five Dock Utility Relocation overview
21 July	Sydney Metro, ER, JCG	ETP PYR DNVISs discussion
23 July	Sydney Metro, ER, JCG	ETP Cross Passage 9 Notification discussion
23 July	Sydney Metro, ERs, AAs	CoAs D51 / D37 implementation discussion
25 July	Sydney Metro, ER	Rosehill Utility Relocation CNVMP strategy
7, 24 July	AFJV, Sydney Metro, ER	Environment meeting, CTP

Meetings

Date	With	Purpose
1, 15, 22, 29 July	Sydney Metro, JCGJV, ER	Weekly environment meeting, ETP
24 July	DPHI, Sydney Metro, ER	Monthly meeting with DPHI post-approvals
10, 23 July	Sydney Metro, GLC, ER	Environment meeting, WTP
28 July	Sydney Metro	Phase J Nth Strathfield Electrical Kiosk Scope overview
30 July	DPHI, ER	OOHW Protocol endorsement discussion

Noise and vibration issues, incidents, recommendations

Date	Contract / Location and details
4 July	WTP: Non-compliance with CoA D51, as modified by Mod 6 in November 2024: “The outcomes of the community consultation, the identified respite periods and the scheduling of the likely out-of-hour work must be provided to the ER and AA before the out of hours work commences...”. Action for closure: Sydney Metro developing an appropriate procedure consistent with ETPC, in consultation with ERs and AAs.
6 June	July update of item included in June report: ETP. Following discussions further data was provided by JCG in August, which is under review

Examples of good practice in noise and vibration management

Date	Contract / Location and details
4 July	Observation of good acoustic enclosure being built for compressor in new location at WTP Clyde Dive, and absence of loud “unloading” cycle with silencer being fitted.
7 July	Confirmation by JCG that acoustic shed metal roller doors will be closed during the daytime, in addition to at night, when trucks are not running.

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 start in August.

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:

- Tree removal and other works along Clyde Dive ATC boundary adjacent to stables; acoustic shed demolition.

Noise and vibration complaints

10 noise and vibration complaints attributed to Sydney Metro during July, 4 of which were from Hunter Street:

Location / activity	Standard hours	Out of hours	Both standard and out of hours	Total
Westmead				
Parramatta		1		1
Clyde / Rosehill				
Sydney Olympic Park				
North Strathfield				
Burwood North				
Five Dock				
The Bays				
Pyrmont		1	1	2
Hunter Street	2	1	1	4
Tunnelling				
ETP	1			3
CTP				
WTP			2	
Total	3	3	4	10

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.

