

ACOUSTICS ADVISOR MONTHLY REPORT

SYDNEY METRO WEST (SSI 10038 and SSI 19238057¹)

For period:	January 2025	Authorisation:	Dave Anderson, Acoustics Advisor
Prepared by:	Dave Anderson		
Date of issue:	7 February 2025		

Acoustics Advisor	Alternate Acoustics Advisor(s)	
Dave Anderson	Larry Clark, David Hanson and Sav Shimada	
Document review		
Document	Reviewed	Endorsed / approved
Central Tunnelling Package (CTP), AFJV		
DNVIS Burwood North Rev 14		Under review
Weekly Noise Reports 20/12/24, 27/12/24, 3/1/25, 10/1/25	Y	N/A
Noise monitoring report TBY-DNVIS-20250122-01	Y	N/A
Noise monitoring report TBY-OOHW-20250121-01	Y	N/A
DNVIS The Bays Rev 9		Under review
Western Tunnelling Package (WTP), GLC		
DNVIS Clyde MSF Piling works	Y	15 January 2025
Eastern Tunnelling Package (ETP), JCG²		
<i>Weekly realtime monitoring data for December '24 and January '25</i>		<i>Review in progress</i>
<i>Detailed Noise and Vibration Impact Statement - Pyrmont Station: Rev 6</i>	Y	<i>5 February 2025</i>

Inspections / site visits		
Date	Location(s)	Details
15 January	WTP Clyde Dive, MSF west.	Larry Clark attended ER inspection
	Discussion on noise monitoring of MSV being used instead of the electric tower crane for transporting segments from the surface into the tunnel. Discussion on methodology for concrete acoustic shed demolition, particularly in relation to the potential for impact noises experienced with other recent acoustic shed demolitions to startle horses. Discussion on tree removal mid year along boundary to be done from the ATC side. Discussion on upcoming piling at MSF west and whether casing is required and whether it would be impact hammered or not.	
16 January	CTP Sydney Olympic Park, North Strathfield, Burwood North.	Larry Clark attended ER inspection
	Discussion on concrete drop pipe being used OOH at Sydney Olympic Park. Discussion on diaphragm pump at Burwood North being the possible source of a complaint in relation to "music" heard, thought to be coming from the site.	
20 January	[REDACTED]	<i>Dave Anderson met residents, at Sydney Metro's request</i>
	<i>Listened to residents' perspective on recent noise and vibration complaints, particularly the cavern excavation near their home.</i>	
29 January	WTP Clyde Dive, MSF west	Larry Clark attended ER inspection
	Discussion on noise monitoring of MSV being used instead of the electric tower crane for transporting segments from the surface into the tunnel. Discussion on upcoming piling for HV slab protection works and potential to need to avoid piling early mornings when horses may be being moved in and out of stables. Discussion on the movement alarm of the forklift used to load the MSV with segments and the need for it not to be unnecessarily loud. Discussion on checking site hive monitoring data.	

¹ Sydney Metro West Concept and Stage 1 (SSI 10038), Sydney Metro West Stage 2: Bays to Sydney CBD (SSI 19238057) shown in italics

30 January	CTP Sydney Olympic Park, North Strathfield, Burwood North.	Larry Clark attended ER inspection
	Discussion confirming the application of CoA D36 for highly noise intensive works time restrictions, in relation to hydraulic rock hammering to remove TBM plinths as part of demobilisation and demolition activities, and coordination with WTP. Discussion confirming signalling with horns as a site safety requirement.	

Meeting		
Date	With	Purpose
13, 20 January	AFJV, Sydney Metro, ER	Environment meeting, CTP
21 January	AFJV	Discussion on The Bays DNVIS Rev 9
13, 28 January	Sydney Metro, GLC, ATC	Fortnightly works status
14, 21, 28 January	Sydney Metro, JCGJV, ER	Weekly environment meeting, ETP
8, 22 January	Sydney Metro, GLC, ER	Environment meeting, WTP
23 January	DPHI, Sydney Metro, ER	Monthly meeting with DPHI post-approvals
[Not held in January]	DPHI, ER	Monthly meeting with DPHI compliance

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

Ongoing and upcoming noise and vibration risks	
ETP:	
<ul style="list-style-type: none"> • <i>Pymont: Cavern excavation continuing 24/7</i> • <i>Hunter Street: transitioning from demolition to shaft excavation</i> 	
CTP:	
<ul style="list-style-type: none"> • Cross passage ground borne noise and vibration. Being managed by door knocking by comms. • Demob and demolition at Five Dock. Managed by comms notifications and consultation. 	
WTP:	
<ul style="list-style-type: none"> • Unwin Street works adjacent to RTA heritage façade. Management measures discussed. 	

Noise and vibration complaints

13 noise and vibration complaints attributed to Sydney Metro during January, 12 of which were from *Pymont*:

Location / activity	Standard hours	Out of hours	Both standard and out of hours
Westmead			
Parramatta			
Clyde / Rosehill			
Sydney Olympic Park			
North Strathfield			
Burwood North			
Five Dock			
The Bays			1
<i>Pymont</i>	8	1	3
Hunter Street			
Tunnelling ETP CTP WTP			
Total	8	1	4

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.

