

ACOUSTICS ADVISOR MONTHLY REPORT SYDNEY METRO WEST (SSI 10038 and SSI 19238057¹)

For period:	March 2023	Authorisation:	Dave Anderson, Acoustics Advisor
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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		
Noise monitoring reports for hammering in TBY station box	Y	N/A
OOH248 Bus stop works at Parramatta Rd, Burwood	Y	28/3/23
OOH272 Power pole and connections at North Strathfield	Y	28/3/23
OOH276 Line marking works at North Strathfield	Y	28/3/23
OOH213 TBM Water Supply – extension to 19 April	Y	28/3/23
OOH273 Footpath works at North Strathfield	Under review	
Five Dock DNVIS rev 6	Under review	
Power Enabling Works (PEW), Quickway		
Property damage claims	Y	N/A
Metro Brownfield Enabling Works (MBEW), Transport for Tomorrow (TfT)		
OOH NS006 Rev B Weekend 38 possession at N Strathfield	Y	13/3/23
OOH WM015 Rev C Weekend 40 possession at Westmead	Y	24/3/23
Western Tunnelling Package (WTP), GLC		
DNVIS Rev F	Under review	
CNVMP Rev E	Under review	
Eastern Tunnelling Package (ETP), JCG		
<i>DNVIS for Hunter Street preliminary works Rev 1 (incl addendum)</i>	Y	24/3/23
<i>DNVIS for Pyrmont Station Rev 1</i>	Under review	

Inspections / site visits

Date	Location	Details
7 March 0930 to 0900	ETP worksites at Hunter Street and Pyrmont	Dave Anderson joined ER inspection.
10 March 1030 to 1400	Clyde site and Rosehill Racecourse	Dave Anderson attended to witness the first piling activity near the horse stables
15 March 0900 to 1230	Rosehill and Clyde MSF	Larry Clark joined ER inspection
16 March 0930 to 1415	Sydney Olympic Park, Burwood North and The Bays	Larry Clark joined ER inspection
18 March 1830 to 2100	North Strathfield	Larry Clark attended to witness weekend 38 possession works
22 March 0900 to 1300	Parramatta, Westmead and Clyde Dive	Dave Anderson joined ER inspection.
<i>22 March 0900 to 1100</i>	<i>Pyrmont</i>	<i>David Hanson attended to witness ground borne noise from rock hammering at recording studio.</i>
22 March 2100 to 2230	North Strathfield	Larry Clark attended to witness OOH works
23 March 1100 to 1300	Five Dock and North Strathfield	Larry Clark joined ER inspection

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

23 March 2130 to 2300	Five Dock	Dave Anderson attended to witness OOH works together with Alex McGuirk from DPE Compliance.
27 March 2120 to 0045	Burwood North	Dave Anderson attended to witness OOH works.

Meetings		
Date	With	Purpose
30 Mar	Sydney Metro, ER	Review of Rozelle 33kV property damage claims
7, 14, 21, 28 Mar	Sydney Metro, JCGJV, ER	Weekly environment meeting, ETP
1, 8, 22 Mar	Sydney Metro, GLC, ER	Environment meeting, WTP
6, 13, 20, 27 Mar	AFJV, Sydney Metro, ER	Environment meeting, CTP
6, 20 Mar	Sydney Metro, GLC, ATC	Fortnightly works status
3, 17, 31 Mar	TFT, Sydney Metro, ER	Brownfield enabling works meeting
13 Mar	DPE, Sydney Metro, ER	Monthly meeting with DPE compliance
22 Mar	Sydney Metro, JCGJV	DNVIS briefings
23 Mar	DPE, Sydney Metro, ER	Monthly meeting with DPE post approvals
23 Mar	Sydney Metro, JCGJV, ER	Conditions D38 to D40

Noise and vibration issues, incidents, recommendations	
Date	Contract / Location and details
27 March	Noise clearly audible on Burton Street from fixed plant (believed to be a generator) and operations inside the acoustic shed (which was incomplete at the time inspection). Attended noise measurements suggest fixed plant noise levels exceeded the evening and night-time NML and the operations inside the shed exceeded the night-time NML. AFJV advised that these works were associated with 24hr tunnelling activities.

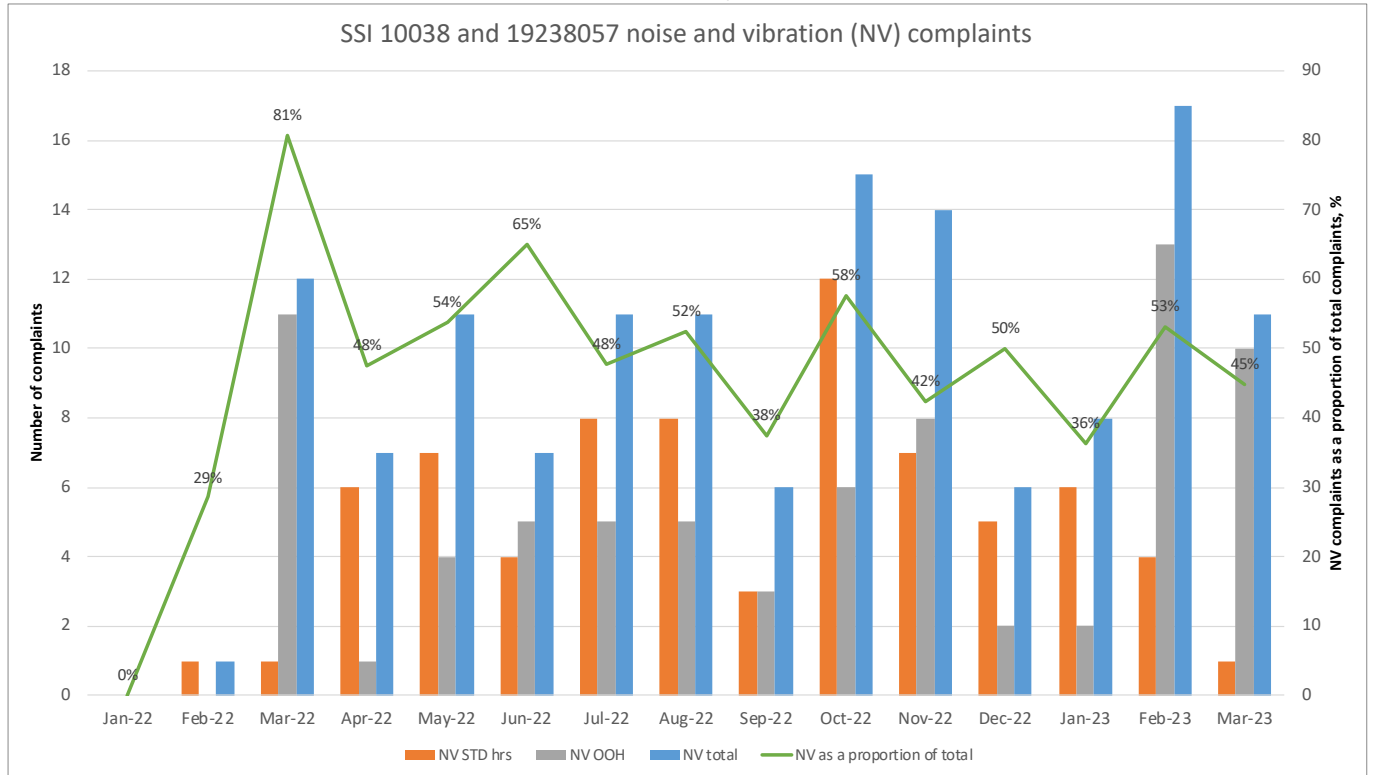
Examples of good practice in noise and vibration management	
Date	Contract / Location and details
22 March	Clyde Dive site manager explained methodology to minimise (noisy) pile break-back, using a vacuum truck to remove poor quality concrete, leaving significantly less material to break-back after the concrete cures.

Notes	
Date	Contract / Location and details
April	ETP construction starting at Pymont and Hunter Street

Noise and vibration complaints

11 noise and vibration complaints attributed to Sydney Metro during March: 2 from Westmead, 2 from North Strathfield, 6 from Five Dock, and 1 from The Bays.

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 may be less than the sum of standard and OOH complaints.



Ongoing and upcoming noise and vibration risks

- Ongoing piling near to the horse stables at Rosehill Gardens.
- Vibration from diaphragm wall excavation at Parramatta (likely mid-year).
- Ongoing management of noise impacts at Five Dock.