

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

For period:	February 2023	Authorisation:	Dave Anderson, Acoustics Advisor
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Date of issue:	7 March 2023		

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		
Bi-annual monitoring report	Y	N/A
OOH177 Traffic control at North Strathfield	Y	3/2/23
OOH200 Sydney Water main upgrade at Five Dock – Rev01	Y	13/2/23
OOH259 Ausgrid works at Sydney Olympic Park	Y	27/2/23
Power Enabling Works (PEW), Quickway		
OOH014 Darling St Restoration Works – Rev 2	Y	1/2/2023
OOH013 Road restoration works – Rev 6	Y	7/2/23
Property damage claims	Y	N/A
Metro Brownfield Enabling Works (MBEW), Transport for Tomorrow (TfT)		
OOH WM015 Weekend 34 possession at Westmead	Y	10/2/23
OOH WM009 mid-week platform works at Westmead	Y	17/2/23
OOH NS005 Weekend 35 & 36 utilities enabling at North Strathfield	Y	23/2/23
Western Tunnelling Package (WTP), GLC		
DNVIS Rev F	Under review	
CNVMP Rev E	Under review	
Eastern Tunnelling Package (ETP), JCG		
<i>Low Impact Works Plan</i>	Y	N/A
<i>Preliminary CEMP</i>	Y	N/A
<i>Out of Hours Protocol Rev 4</i>	Y	28/2/23
<i>DNVIS for preliminary works at Hunter Street East Rev 0</i>	Y	17/2/23
<i>DNVIS for Low Impact Works, project wide Rev 0</i>	Y	10/2/23
<i>DNVIS for preliminary works, project wide Rev 0</i>	Y	10/2/23
<i>Construction Noise & Vibration plan (& monitoring program) Rev D</i>	Y	17/2/23

Inspections / site visits

Date	Location	Details
8 February 0900 to 1230	WTP worksites at Parramatta, Westmead and Clyde Dive	Dave Anderson joined ER inspections. Issue noted with noisy excavator at Parramatta (subsequently resolved).
13 February 2210 to 0010	Five Dock	Dave Anderson attended Sydney Water main upgrade OOH works.
16 February 2100 to 2230	Five Dock	David Hanson and Dave Anderson attended Sydney Water main upgrade OOH works together with Alex McGuirk from DPE Compliance.
18 February 2045 to 2300	Westmead	David Hanson attended to observe possession works.

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

Meetings		
Date	With	Purpose
3, 9 Feb	Sydney Metro, ER	Review of Rozelle 33kV property damage claims
7, 14, 21, 28 Feb	Sydney Metro, JCGJV, ER	Weekly environment meeting, ETP
1, 8, 15, 22 Feb	Sydney Metro, GLC, ER	Weekly environment meeting, WTP
6, 13, 20, 27 Feb	AFJV, Sydney Metro, ER	Environment meeting, CTP
6, 13, 20, 27 Feb	Sydney Metro, GLC, ATC	Weekly works status
3, 17 Feb	TfT, Sydney Metro, ER	Brownfield enabling works meeting
13 Feb	Sydney Metro, JCG	Community drop-in session at Pyrmont
13 Feb	DPE, Sydney Metro, ER	Monthly meeting with DPE compliance
23 Feb	DPE, Sydney Metro, ER	Monthly meeting with DPE post approvals
23 Feb	Resident at Five Dock, AFJV	Overview of upcoming work and associated noise and vibration impacts

Noise and vibration issues, incidents, recommendations	
Date	Contract / Location and details
4 February	A resident at Five Dock complained about noise from a street sweeper operating on Second Avenue before 8am on a Saturday. DPE compliance indicated that this is a potential non-compliance with D35 construction hours and requested further information.
20 February	Out of hours (OOH) concrete pour at Westmead (completed by 1850) without OOH permit in place. GLC submitted a non-compliance report on 22 February. Attended noise monitoring indicated that the work was only discernible at times and was likely to be within the NML for the evening period.

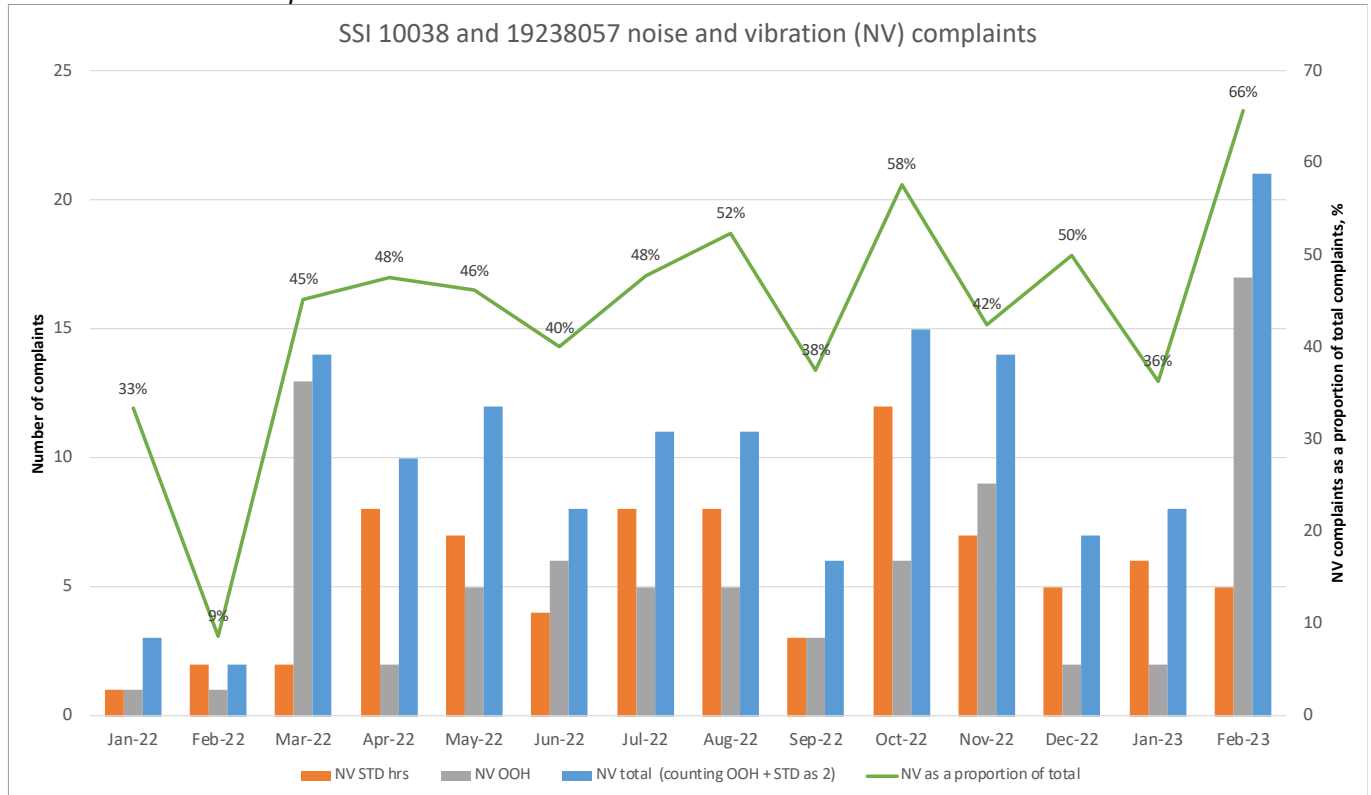
Examples of good practice in noise and vibration management	
Date	Contract / Location and details
8 February	Westmead site manager confirmed methodology adopted to minimise (noisy) pile break-back had been successful. It involved over-pouring the concrete and then partially removing poor quality concrete by hand, leaving significantly less material to break-back after the concrete cured.
13 February	The AFJV engineer supervising the OOH works demonstrated consideration for noise impacts on the community by observing and listening to the work from outside the nearest residential premises and taking proactive steps to adjust work methods to reduce noise.

Notes	
Date	Contract / Location and details

Noise and vibration complaints

21 noise and vibration complaints during February: 2 from Westmead, 1 from North Strathfield, 3 from Burwood, 14 from Five Dock, and 1 from Pymont. This is the highest number of monthly noise and vibration complaints to date on this project. 13 of the 14 complaints from Five Dock comprised 2 or more complaints from each of 4 residents close to the eastern shaft site.

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

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