

# ACOUSTICS ADVISOR MONTHLY REPORT

## SYDNEY METRO WEST (SSI 10038 and SSI 19238057<sup>1</sup>)

For period:	July 2023	Authorisation:	Dave Anderson, Acoustics Advisor
Prepared by:	Dave Anderson		
Date of issue:	7 August 2023		

Acoustics Advisor	Alternate Acoustics Advisor(s)
Dave Anderson	Larry Clark, David Hanson and Sav Shimada

### Document review

Document	Reviewed	Endorsed / approved
<b>Central Tunnelling Package (CTP), AFJV</b>		
Sydney Olympic Park DNVIS Rev 7	Under review	
Five Dock DNVIS Rev 10	Under review	
Burwood DNVIS Rev 10	Under review	
The Bays TBM support DNVIS Rev 6	Y	10/7/23
System Wide (Tunnelling) DNVIS Rev 5	Under review	
<b>Western Tunnelling Package (WTP), GLC</b>		
D-wall construction noise and vibration monitoring data	Y	NA
Local Area Works OOH noise monitoring data	Y	NA
Westmead to Sydney Olympic Park DNVIS Rev H	Y	10/7/23
Westmead Local Area Works DNVIS Rev B	Y	11/7/23
Westmead CCTV inspection of sewer line Rev B	Y	25/7/23
Parramatta discharge line DNVIS Rev C	Under review	
<b>Eastern Tunnelling Package (ETP), JCG<sup>1</sup></b>		
<i>Project wide tunnelling DNVIS update (endorsed version covers Hunter Street cavern works only)</i>	Under review	

### Inspections / site visits

Date	Location	Details
3 July	Westmead	Dave Anderson witnessed OOH works (acoustic shed cladding installation) from approx. 9pm
4 July	<i>Pymont</i>	<i>Dave Anderson joined ER inspection, then monitored noise/vibration at neighbouring property (█ Paternoster Row) and at a complainant's property on Pymont St.</i>
6 July	CTP Five Dock, Burwood North, The Bays	Larry Clark joined the ER Inspection.
12 July	CTP The Bays, Five Dock	Larry Clark and David Hanson monitored noise levels OOH
18 July	WTP Westmead	David Hanson joined ER OOHW inspection.
20 July	CTP Five Dock, Burwood North	Larry Clark joined the ER inspection
25 July	<i>ETP Pymont, The Bays</i>	<i>Larry Clark joined the ER inspection.</i>

### Meeting

Date	With	Purpose
4 July	ER	Discuss CTP TBY DNVIS cumulative assessment.
12 July	<i>Sydney Metro, Wolf Peak Independent Auditor</i>	<i>Audit closing meeting and remaining steps</i>
4, 11, 18, 25 July <sup>1</sup>	<i>Sydney Metro, JCGJV, ER</i>	<i>Weekly environment meeting, ETP</i>

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

12, 26 July	Sydney Metro, GLC, ER	Environment meeting, WTP
3, 10, 17, 24, 31 July	AFJV, Sydney Metro, ER	Environment meeting, CTP
10, 24 July	Sydney Metro, GLC, ATC	Fortnightly works status
10 July	DPE, ER	Monthly meeting with DPE compliance
27 July	DPE, Sydney Metro, ER, AA	Monthly meeting with DPE
28 July <sup>1</sup>	JCGJV, ER	NVMP internal audit

### 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

### Notes

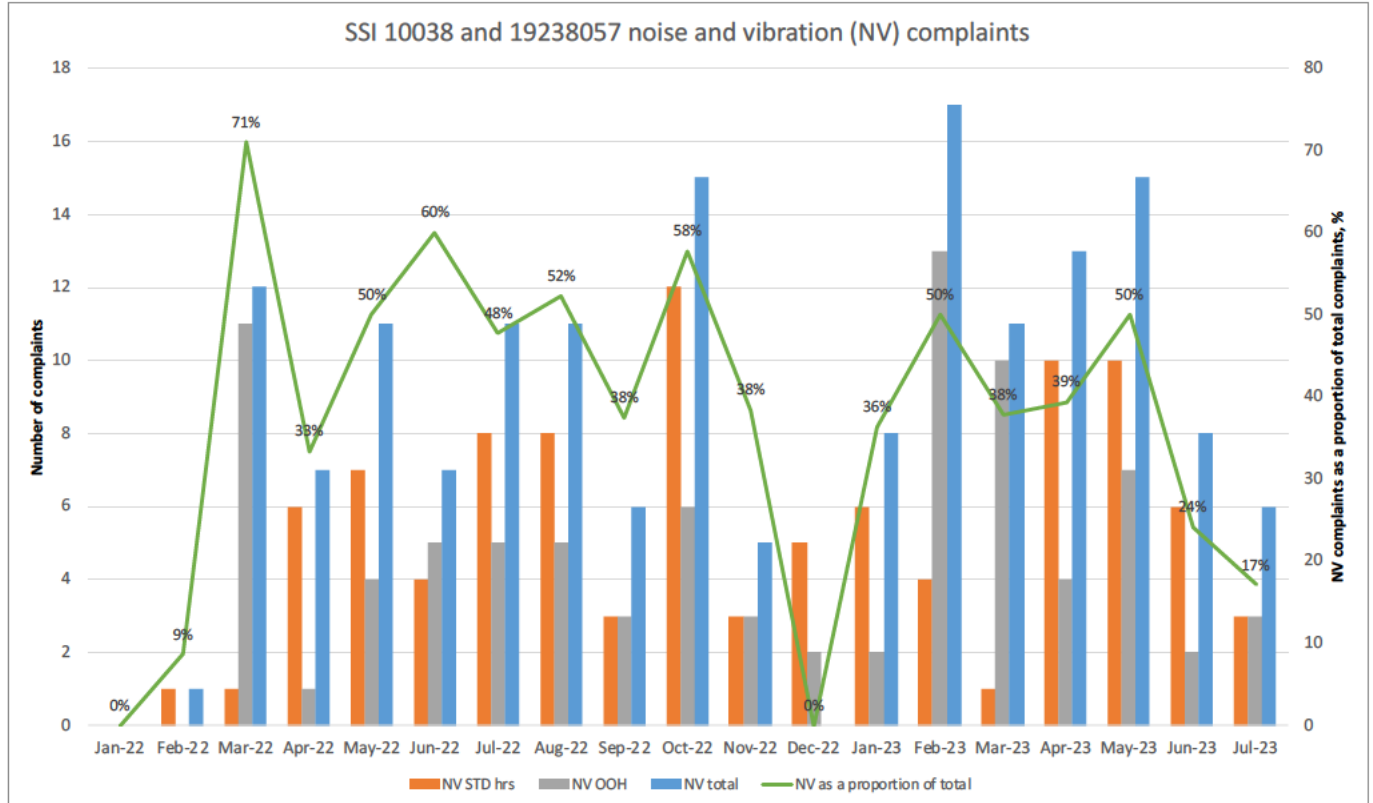
Date	Contract / Location and details
From late June	Tunnelling of the Hunter Street cavern continuing, including 24/7 works.

## Noise and vibration complaints

6 noise and vibration complaints attributed to Sydney Metro during July: 2 from Westmead, 1 from Burwood North, 2 from Pyrmont and 1 from Hunter Street<sup>2</sup>.

AA followed up on investigations into complaints ID4819, 4824, 4863. ID4819 was not related to Sydney Metro; ID4824 and 4863 closed out appropriately.

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

- Close out of CTP updated DNVISs
- Vibration from diaphragm wall excavation at Parramatta impacting heritage buildings (incl Roxy Theatre).
- Ongoing management of noise impacts at Five Dock and Burwood North.
- Work continuing to ramp up at Pyrmont and Hunter Street

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