

# ACOUSTICS ADVISOR MONTHLY REPORT

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

<b>For period:</b>	<b>August 2023</b>	<b>Authorisation:</b>	Dave Anderson, Acoustics Advisor
<b>Prepared by:</b>	Dave Anderson		
<b>Date of issue:</b>	7 September 2023		

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

### **Document review**

<b>Document</b>	<b>Reviewed</b>	<b>Endorsed / approved</b>
<b>Central Tunnelling Package (CTP), AFJV</b>		
Sydney Olympic Park DNVIS Rev 8	Under review	
Five Dock DNVIS Rev 10	Y	16/8/23
Burwood DNVIS Rev 11	Under review	
System Wide (Tunnelling) DNVIS Rev 5	Under review	
North Strathfield DNVIS Rev 4 Addendum	Y	27/8/23
<b>Western Tunnelling Package (WTP), GLC</b>		
Westmead sewer inspection DNVIS Rev B	Y	14/8/23
Parramatta footpath repair DNVIS Rev A	Y	4/8/23
Parramatta discharge line DNVIS Rev C	Y	4/8/23
<b>Eastern Tunnelling Package (ETP), JCG<sup>1</sup></b>		
<i>Project wide tunnelling DNVIS update Rev 1 (full scope)</i>	Y	25/8/23

### **Inspections / site visits**

<b>Date</b>	<b>Location</b>	<b>Details</b>
1 August	ETP Pyrmont, Hunter St	Larry Clark joined the ER inspection.
2 August	CTP Five Dock	David Hanson and Dave Anderson measured and discussed ventilation noise levels OOH with AFJV
17 August	WTP Parramatta, Westmead	David Hanson and Dave Anderson witnessed OOH works
17 August	CTP Burwood North, Five Dock	David Hanson and DPE OOH inspection
23 August	WTP Parramatta, Westmead, Clyde Dive	Larry Clark joined the ER inspection
24 August	CTP Sydney Olympic Park, North Strathfield, Five Dock	Larry Clark joined the ER inspection

### **Meeting**

<b>Date</b>	<b>With</b>	<b>Purpose</b>
1, 8, 15, 22, 29 August	Sydney Metro, JCGJV, ER	Weekly environment meeting, ETP
3 August	AFJV	Discuss CTP FDK ventilation noise issue
7, 14, 21, 28 August	AFJV, Sydney Metro, ER	Environment meeting, CTP
7, 21 August	Sydney Metro, GLC, ATC	Fortnightly works status
9, 23, August	Sydney Metro, GLC, ER	Environment meeting, WTP
14 August	DPE, ER	Monthly meeting with DPE compliance
24 August	DPE, Sydney Metro, ER, AA	Monthly meeting with DPE
30 August	Sydney Metro, Independent Auditor	Audit opening meeting

<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*

### Noise and vibration issues, incidents, recommendations

Date	Contract / Location and details
Ongoing	Ongoing recommendations to Sydney Metro for resolving discussions with AFJV about OOH ventilation noise at Five Dock exceeding NML. Endorsed DNVIS indicates noise within NML.
Ongoing	GLC to investigate and respond to AA observation of WMD noise OOH exceeding NML with acoustic shed incomplete
Ongoing	Sydney Metro / AFJV facilitating AA access to CTP real-time noise and vibration monitoring data (in accordance with condition A34(a))

### Examples of good practice in noise and vibration management

Date	Contract / Location and details
August	Short term relocation of a recording studio business at Pyrmont
23 August	AFJV lowered the noise level of the squawker on the loader operating inside the spoil shed at The Bays.
31 August	AFJV installed timers on air conditioner units closest to residents at Burwood North so that they turn off at night.

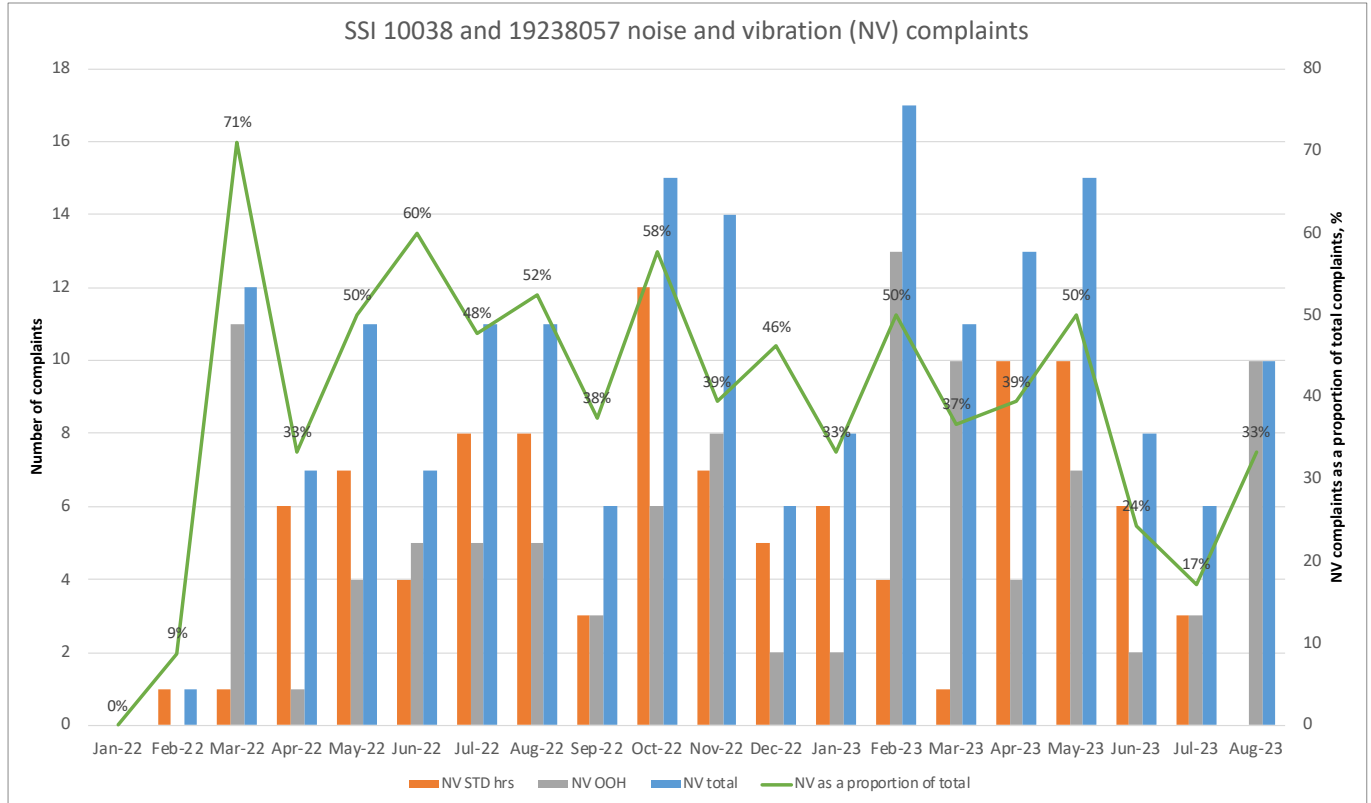
### Notes

Date	Contract / Location and details
<i>From late June</i>	<i>Tunnelling of the Hunter Street cavern continuing, including 24/7 works.</i>
August	Cavern excavation at Burwood North complete Cavern excavation at Five Dock now connected to Western site Roadheader excavation ongoing at Westmead and Clyde
From September	Hammering commenced at North Strathfield and Clyde Dive

## Noise and vibration complaints

10 noise and vibration complaints attributed to Sydney Metro during August: 1 from North Strathfield, 1 from Burwood North, 6 from Five Dock, 1 from *Pyrmont* and 1 from *Hunter Street*<sup>2</sup>. All of the noise and vibration complaints in August were from OOH times (rather than standard hours). 3 of the 6 complaints from Five Dock related to a false trip of the fire alarm at the Eastern shed at approx. 0130 on 7 August. AFJV attended site immediately and investigated the cause to avoid this recurring. No work was in progress at the time.

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
- 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*