

Water Monitoring Data - Monthly Summary									
Month and Year	March 2025							LAING O'Rourke JOHN HOLLAND	
Project	Sydney Metro SWM3								
EPL License No.	21147								
EPL Weblink	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&id=21147&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued								
Specific EPL monitoring conditions	M2 - Requirement to monitor concentration of pollutants discharged								
Monitoring Location	Number of times monitored during the month	Event based monitoring (Y/N)	Parameter e.g. TSS, pH	Unit eg. mg/L	Minimum value for month	Maximum value for month	Allowable Maximum limit	Allowable Minimum limit	Comment
SWM3 Monitoring Points	1	Y	NA	NA	NA	NA	NA	NA	24hr rainfall 30.8mm by 0900, 29/03/25, visual inspection. No discharge off site.

Noise Monitoring Data - Monthly Summary			
Month and Year	March 2025		
Project	Sydney Metro SWM3		
EPL license No.	21147		
EPL Weblink	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&id=21147&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued		
Specific EPL monitoring conditions	M7.1 - Noise monitoring		



Table 1. Monitoring Location A: NCA SSJ Noise Monitor (HEX-000758), 88 m SE of 133 Meeks Road, Marrickville 2204.

Reference Number	Date	Period	Construction Activities	Main source of noise	Highest LAeq in work period at Monitoring Location (dBA)	Predicted noise level LAeq, 15min at resident (dBA)	Compliant	Comments
1	28/02/2024 To 01/03/2024	Night 22:00 to 05:15 (Modelled from 18:00 to 7:00)	OHW structure and cable installation	• EWP • Powered hand tool • Hi-rail truck/wench • Light tower • Light vehicle	• LAeq in period at Monitoring Location is 61	67	Y	• RBL: 40 dBA • The detected highest LAeq in work period is lower than the predicted level (67 dBA) • Predicted noise levels (Night shift works) triggered offers for additional mitigation measures. • Appropriate additional mitigation measures being offered
2	01/03/2024 To 02/03/2024				• LAeq in period at Monitoring Location is 67			
3	02/03/2025	Day 08:00 to 18:00 & Evening 18:00 to 22:00			• LAeq in period at Monitoring Location is 65			• RBL: 47 dBA • The construction related highest LAeq in work period is lower than the predicted level (67 dBA) • Predicted noise levels (Day shift works) did not trigger offers for additional mitigation measures. • Appropriate mitigation measures being offered
4	02/03/2024 To 03/03/2024	Night 22:00 to 05:15 (Modelled from 18:00 to 7:00)			• LAeq in period at Monitoring Location is 65			
5	03/03/2024 To 04/03/2024				• LAeq in period at Monitoring Location is 73 • Excluding the following non-construction related event being identified: 3/03/2025 23:45 69 ARTC Train 4/03/2025 6:30 73 ARTC Train • Construction related LAeq in period at Monitoring Location is 66			

Table 2. Monitoring Location B: NCA SSJ Noise Monitor (HEX-000421), 146 m W of 110 Railway Rd, Sydenham 2044

Reference Number	Date	Period	Construction Activities	Main source of noise	Highest LAeq in work period at Monitoring Location (dBA)	Predicted noise level LAeq, 15min at resident (dBA)	Compliant	Comments
1	28/02/2024 To 01/03/2024	Night 22:00 to 05:15 (Modelled from 18:00 to 7:00)	OHW structure and cable installation	• EWP • Powered hand tool • Hi-rail truck/wench • Light tower • Light vehicle	• LAeq in period at Monitoring Location is 64	74	Y	• RBL: 42 dBA • The detected highest LAeq in work period is lower than the predicted level (74 dBA) • Predicted noise levels (Night shift works) triggered offers for additional mitigation measures. • Appropriate additional mitigation measures being offered
2	01/03/2024 To 02/03/2024				• LAeq in period at Monitoring Location is 68			
3	02/03/2025	Day 08:00 to 18:00 & Evening 18:00 to 22:00			• LAeq in period at Monitoring Location is 69			• RBL: 51 dBA • The construction related highest LAeq in work period is lower than the predicted level (74 dBA) • Predicted noise levels (Day shift works) did not trigger offers for additional mitigation measures. • Appropriate additional mitigation measures being offered
4	02/03/2024 To 03/03/2024	Night 22:00 to 05:15 (Modelled from 18:00 to 7:00)			• LAeq in period at Monitoring Location is 67			
5	03/03/2024 To 04/03/2024				• LAeq in period at Monitoring Location is 62			• RBL: 42 dBA • The detected highest LAeq in work period is lower than the predicted level (74 dBA) • Predicted noise levels (Night shift works) triggered offers for additional mitigation measures. • Appropriate additional mitigation measures being offered

Table 3. Monitoring Location C: NCA SSJ Noise Monitor (HEX-000630), 20 m SW of 29 Bridge Street, Tempe 2044

Reference Number	Date	Period	Construction Activities	Main source of noise	Highest LAeq in work period at Monitoring Location (dBA)	Predicted noise level LAeq, 15min at resident (dBA)	Compliant	Comments
1	01/03/2024 To 02/03/2024	Night 22:00 to 05:15 (Modelled from 18:00 to 7:00)	High Rail Access	• EWP • Hi-rail truck/wench • Light tower • Light vehicle	• LAeq in period at Monitoring Location is 67	70	Y	• RBL: 40 dBA • The detected highest LAeq in work period is lower than the predicted level (70 dBA) • Predicted noise levels (Night shift works) triggered offers for additional mitigation measures. • Appropriate additional mitigation measures being offered
2	02/03/2025	Day 08:00 to 18:00 & Evening 18:00 to 22:00			• LAeq in period at Monitoring Location is 70 • Excluding the following non-construction related event being identified: 2/03/2025 9:30 70 Animal Activity • Construction related LAeq in period at Monitoring Location is 68	69		• RBL: 41 dBA • The construction related highest LAeq in work period is lower than the predicted level (69 dBA) • Predicted noise levels (Day shift works) did not trigger offers for additional mitigation measures. • Appropriate mitigation measures being offered

Table 4. Monitoring Location D: NCA 02 Noise Monitor (HEX-000631), 6 m NE of 73 Ewart Street, Dulwich Hill 2203

Reference Number	Date	Period	Construction Activities	Main source of noise	Highest LAeq in work period at Monitoring Location (dBA)	Predicted noise level LAeq, 15min at resident (dBA)	Compliant	Comments
1	28/02/2024 To 01/03/2024	Night 22:00 to 05:15 (Modelled from 18:00 to 7:00)	High Rail Access	• EWP • Hi-rail truck/wrench • Light tower • Light vehicle	• LAeq in period at Monitoring Location is 66 • Excluding the following non-construction related event being identified: 28/02/2025 22:45 66 ARTC Train 28/02/2025 23:30 64 ARTC Train 1/03/2025 0:15 63 ARTC Train 1/03/2025 1:00 57 ARTC Train 1/03/2025 2:45 58 ARTC Train 1/03/2025 3:45 63 ARTC Train 1/03/2025 5:45 63 ARTC Train 1/03/2025 6:00 62 ARTC Train 1/03/2025 6:30 59 ARTC Train • Construction related LAeq in period at Monitoring Location is 62	63		• RBL: 33 dBA • The construction related highest LAeq in work period is lower than the predicted level (63 dBA) • Predicted noise levels (Night shift works) triggered offers for additional mitigation measures. • Appropriate additional mitigation measures being offered
2	01/03/2024 To 02/03/2024				• LAeq in period at Monitoring Location is 67 • Excluding the following non-construction related event being identified: 1/03/2025 22:45 58 ARTC Train 1/03/2025 23:00 63 ARTC Train 1/03/2025 23:45 58 ARTC Train 2/03/2025 0:30 67 ARTC Train 2/03/2025 2:00 65 ARTC Train 2/03/2025 2:15 67 ARTC Train 2/03/2025 2:30 62 ARTC Train 2/03/2025 3:00 66 ARTC Train 2/03/2025 6:15 64 ARTC Train 2/03/2025 5:00 60 ARTC Train 2/03/2025 6:30 59 ARTC Train • Construction related LAeq in period at Monitoring Location is 55			
3	02/03/2025	Day 08:00 to 18:00 & Evening 18:00 to 22:00			• Highest ambient LAeq in period at Monitoring Location is 69 • Excluding the following non-construction related event being identified: 2/03/2025 8:00 63 ARTC Train 2/03/2025 8:15 66 ARTC Train 2/03/2025 9:15 65 ARTC Train 2/03/2025 10:15 61 ARTC Train 2/03/2025 13:45 54 ARTC Train 2/03/2025 14:00 61 ARTC Train 2/03/2025 15:45 62 ARTC Train 2/03/2025 18:00 63 ARTC Train 2/03/2025 19:00 54 ARTC Train 2/03/2025 19:15 62 ARTC Train 2/03/2025 19:45 58 ARTC Train 2/03/2025 20:45 63 ARTC Train 2/03/2025 21:15 63 ARTC Train 2/03/2025 21:45 56 ARTC Train 2/03/2025 22:00 61 ARTC Train • Construction related LAeq in period at Monitoring Location is 69 • Due to the monitoring location being 25 m from the source of the noise and sensitive receiver being 31 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 57.	65	Y	• RBL: 38 dBA • The calculated construction related highest LAeq in work period (69 dBA) is higher than the predicted level (65 dBA) • Predicted noise levels (Day shift works) did not trigger offers for additional mitigation measures. • The calculated construction related highest LAeq in work period did not trigger offers for additional mitigation measures • Appropriate mitigation measures being offered
4	02/03/2024 To 03/03/2024	Night 22:00 to 05:15 (Modelled from 18:00 to 7:00)			• LAeq in period at Monitoring Location is 69 • Excluding the following non-construction related event being identified: 2/03/2025 22:30 62 ARTC Train 2/03/2025 23:30 65 ARTC Train 3/03/2025 1:15 62 ARTC Train 3/03/2025 1:45 62 ARTC Train 3/03/2025 2:00 61 ARTC Train 3/03/2025 2:45 69 ARTC Train 3/03/2025 3:30 64 ARTC Train 3/03/2025 4:00 61 ARTC Train 3/03/2025 5:45 61 ARTC Train 3/03/2025 6:30 61 ARTC Train • Construction related LAeq in period at Monitoring Location is 57	63		• RBL: 33 dBA • The construction related highest LAeq in work period is lower than the predicted level (63 dBA) • Predicted noise levels (Night shift works) triggered offers for additional mitigation measures. • Appropriate additional mitigation measures being offered

Table 5. Monitoring Location E: NCA 10 Noise Monitor (HEX-000516), 40 m SW of 39 Urunga Parade, Punchbowl 2196

Reference Number	Date	Period	Construction Activities	Main source of noise	Highest LAeq in work period at Monitoring Location (dBA)	Predicted noise level LAeq, 15min at resident (dBA)	Compliant	Comments
1	09/03/2025	Day 08:00 to 18:00 & Evening 18:00 to 22:00	Stockpiling	• Excavator • Truck & Dog • Light vehicle	• LAeq in period at Monitoring Location is 60	61	Y	• RBL: 47 dBA • The construction related highest LAeq in work period is lower than the predicted level (61 dBA) • Predicted noise levels (Day shift works) did not trigger offers for additional mitigation measures. • Appropriate mitigation measures being offered

Table 6. Monitoring Location F: NCA 12 Noise Monitor (HEX-000618), 80 m NW of 2 West Terrace, Bankstown 2200.

Reference Number	Date	Period	Construction Activities	Main source of noise	Highest LAeq in work period at Monitoring Location (dBA)	Predicted noise level LAeq, 15min at resident (dBA)	Compliant	Comments
1	07/03/2025 To 08/03/2025	Night 22:00 to 7:00 (Modelled from 18:00 to 7:00)	Road Work and Service Relocation	- Light vehicles - Trucks - Excavator - Truck & Dog - Handheld powered tools - Vacuum Truck - Concrete Truck - Concrete Pump - Site lights	• LAeq in period at Monitoring Location is 52	56	Y	- RBL: 42 dBA - The construction related highest LAeq in work period is lower than the predicted level (56 dBA) - Predicted noise levels (Night shift works) did not trigger offers for additional mitigation measures. - Appropriate mitigation measures being offered
2	08/03/2025 To 09/03/2025				• LAeq in period at Monitoring Location is 53			
3	09/03/2025	Day 08:00 to 18:00 & Evening 18:00 to 22:00			- LAeq in period at Monitoring Location is 60 - Due to the monitoring location being 105 m from the source of the noise and sensitive receiver being 185 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 55.	55		- RBL: 54 dBA - The calculated construction related highest LAeq in work period (55 dBA) is matching the predicted level (55 dBA) - Predicted noise levels (Dayshift works) did not trigger offers for additional mitigation measures. - The calculated construction related highest LAeq in work period did not trigger offers for additional mitigation measures - Appropriate mitigation measures being offered
4	09/03/2025 To 10/03/2025	Night 22:00 to 7:00 (Modelled from 18:00 to 7:00)			• LAeq in period at Monitoring Location is 53	56		- RBL: 42 dBA - The construction related highest LAeq in work period is lower than the predicted level (56 dBA) - Predicted noise levels (Night shift works) did not trigger offers for additional mitigation measures. - Appropriate mitigation measures being offered

JHLORJV

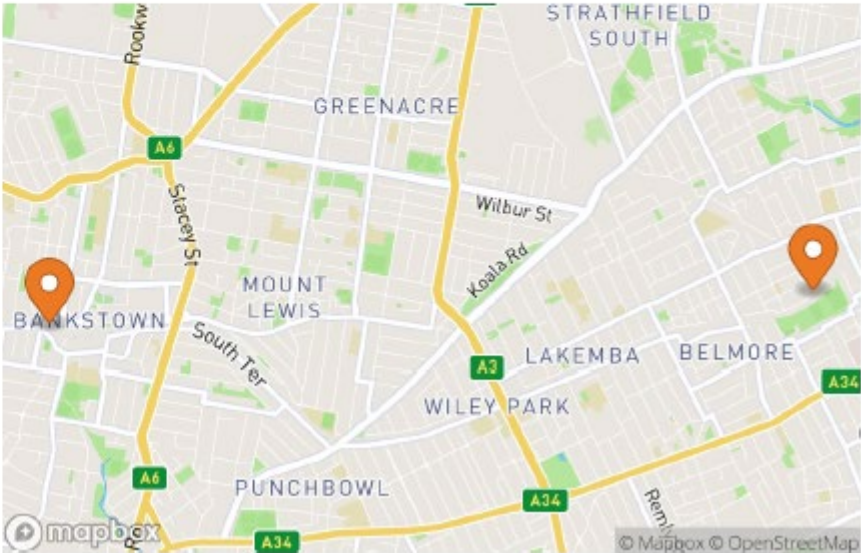


Sydney Metro S2B

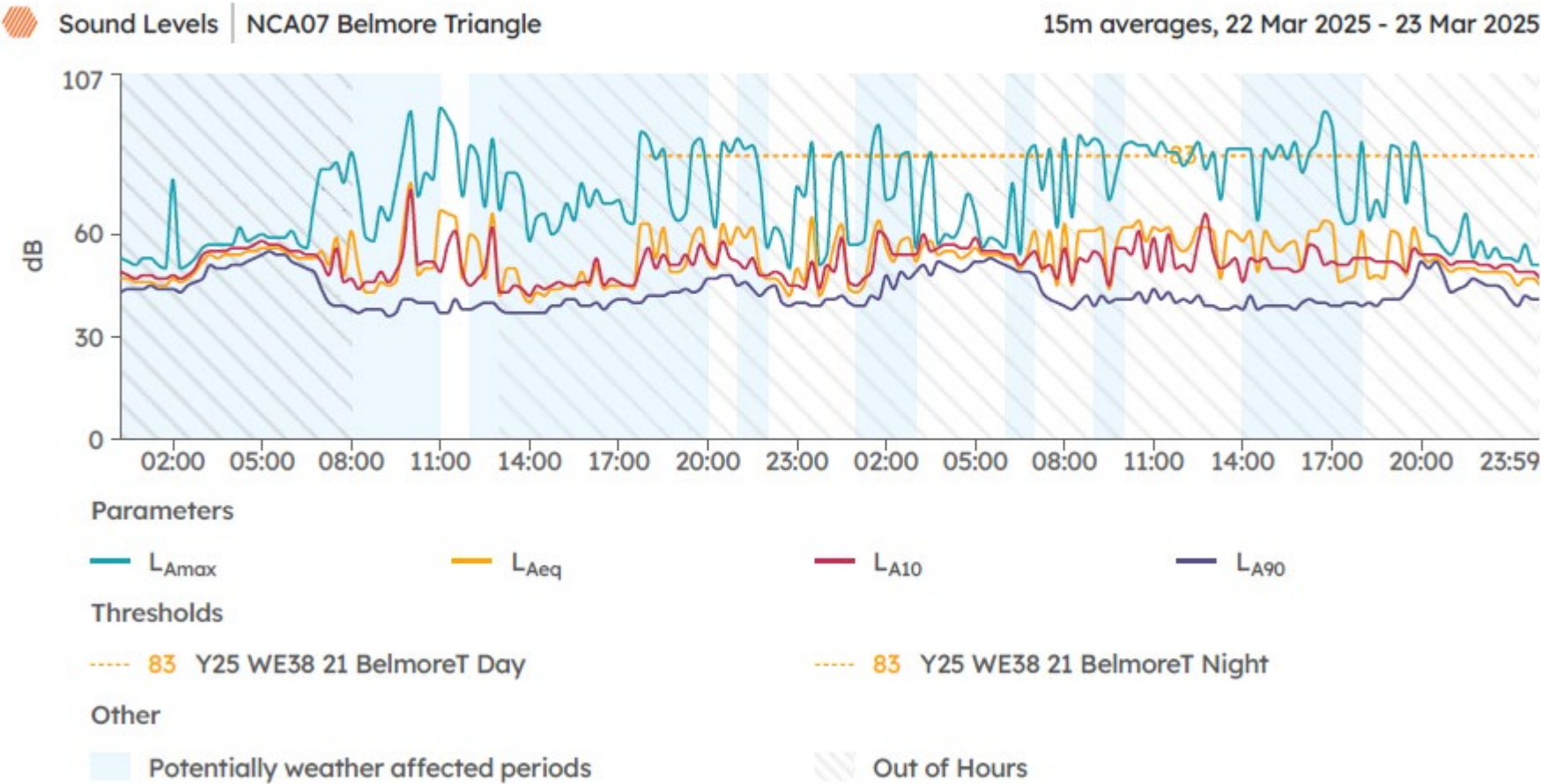
Monitoring Devices

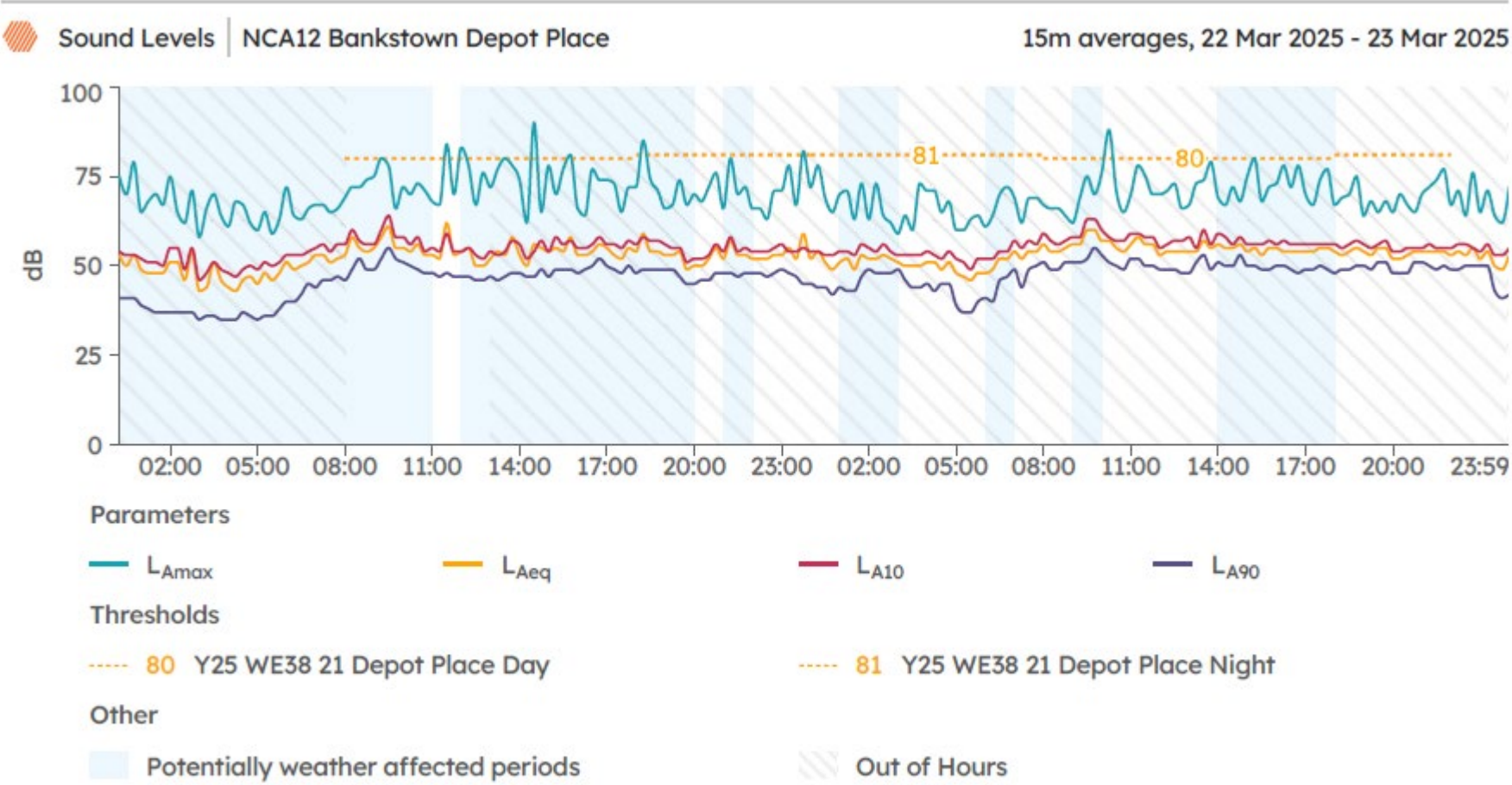
Date Range 22 Mar 2025 - 23 Mar 2025

Device Serial	Monitoring Points
HEX-000531	NCA07 Belmore Triangle
HEX-000516	NCA12 Bankstown Depot Place



Noise Monitoring Graphs

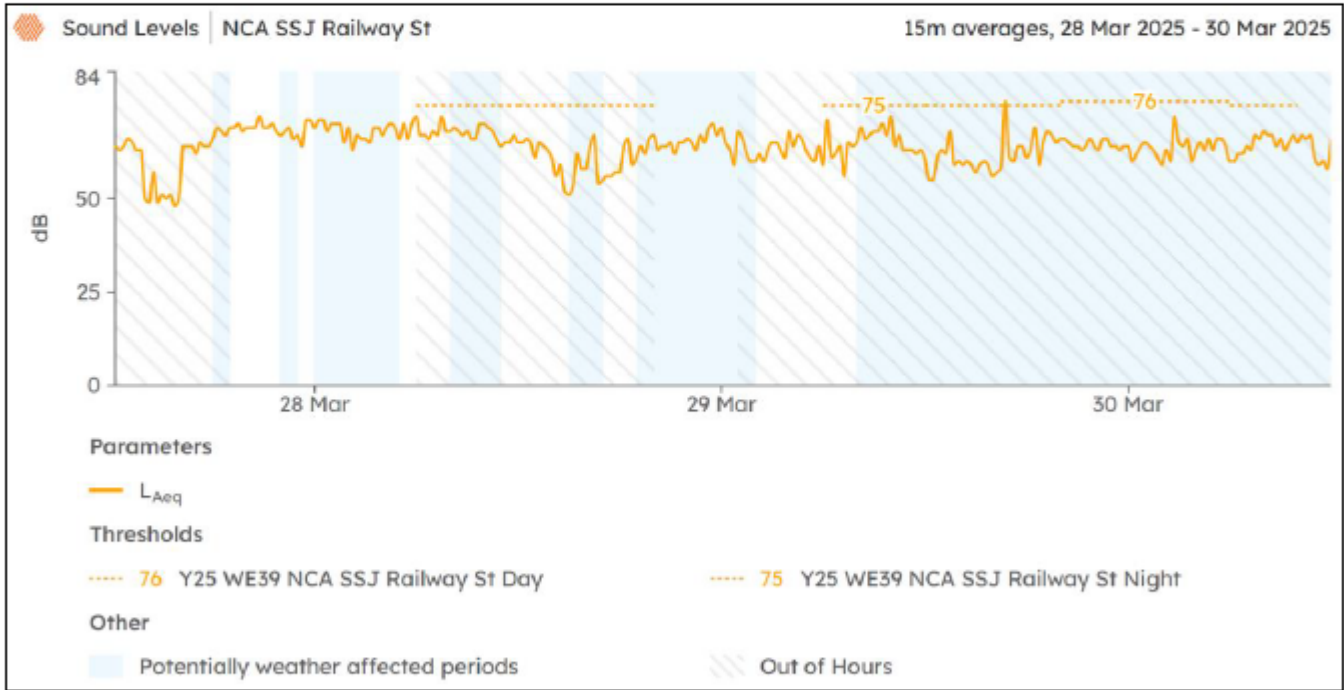




WE39 works noise monitoring was carried out at the following locations along the project corridor.

A. NCA 14 Noise Monitor (HEX-000630) is 9 m NE of 110 Railway Street, Sydenham

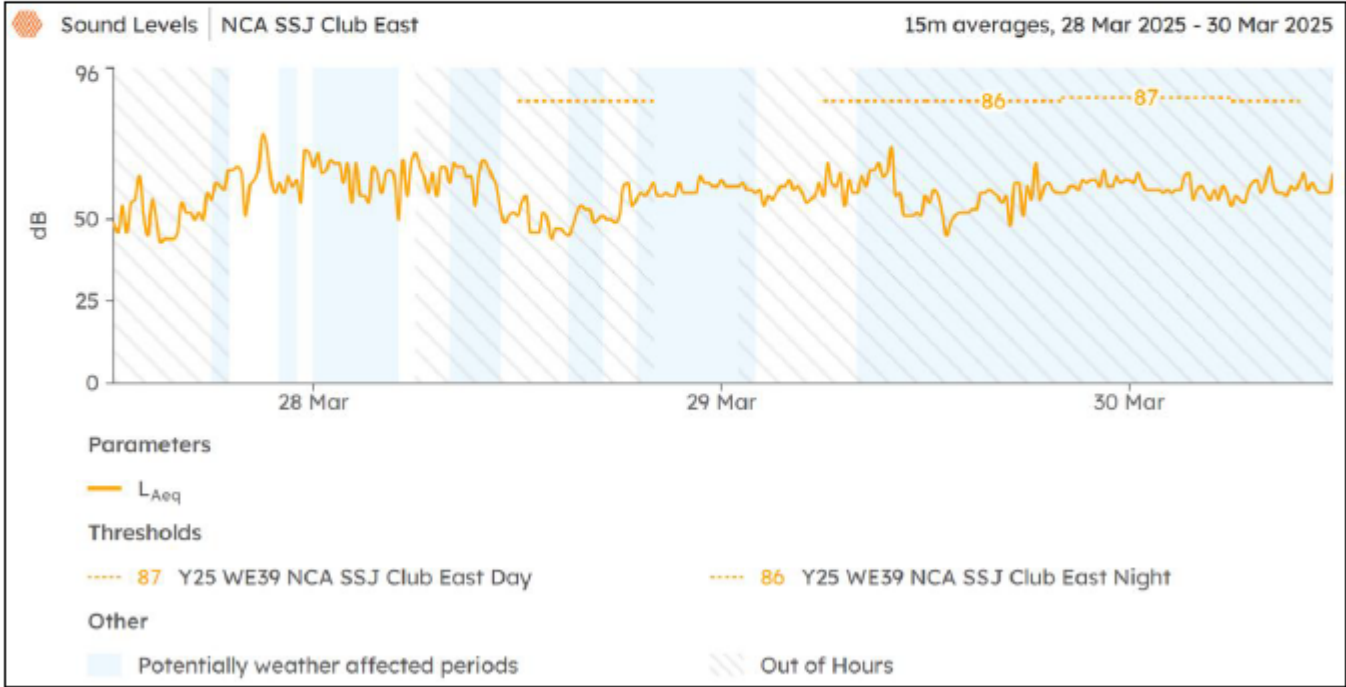
	Distance to the Source of Noise (m)	Saturday 0400-0800 Prediction (L _{Aeq} 15 minutes)	Saturday 1800-0800 Prediction (L _{Aeq} 15 minutes)	Sunday 0800-1800 Prediction (L _{Aeq} 15 minutes)
Monitor	18	75	75	76
Nearest Resident	18	75	75	76



- Noise monitor detect highest L_{Aeq}15min value related to construction at 0400 to 0415 (76dB) above predictions (75dB). Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures. Actual noise levels (Night shift works) in this area did not trigger offers above the Respite limit. Appropriate mitigation measures being offered. No further additional mitigation measures required.

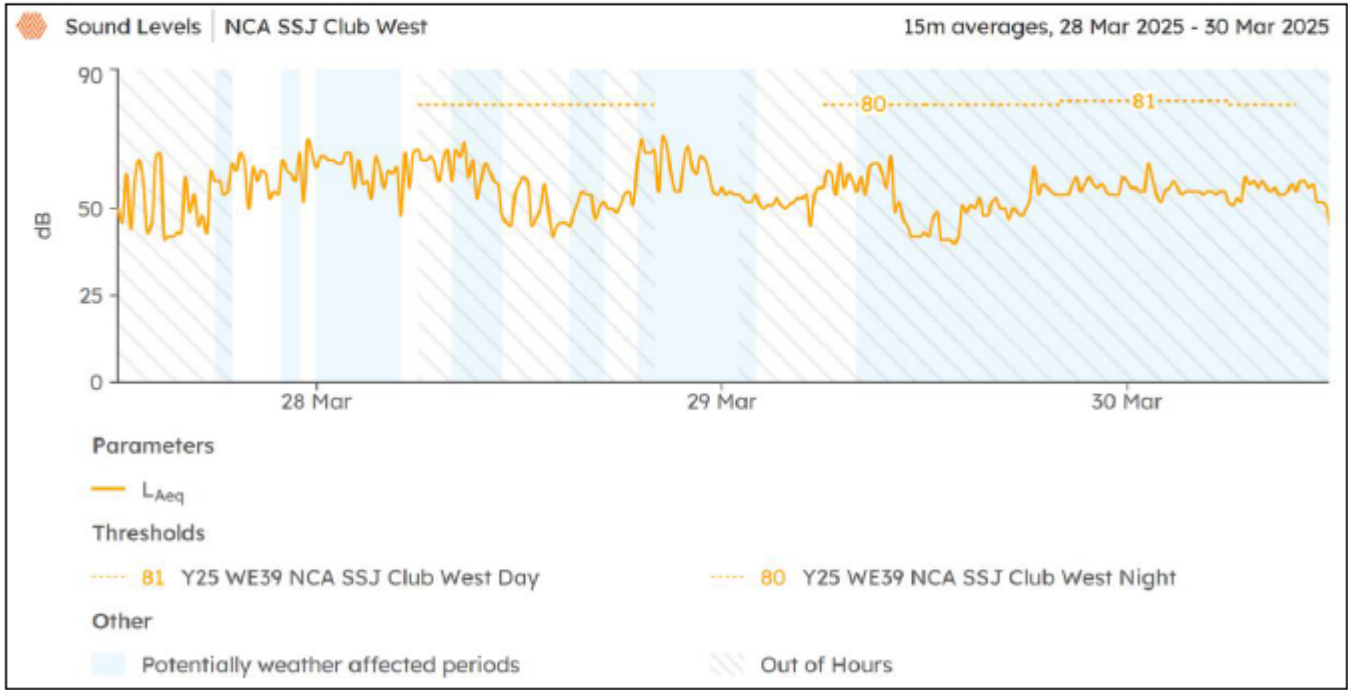
B. NCA 14 Noise Monitor (HEX-000421) is 140 m W of 110 Railway Street, Sydenham

	Distance to the Source of Noise (m)	Saturday 1800-0800 Prediction (L _{Aeq} 15 minutes)	Sunday 0800-1800 Prediction (L _{Aeq} 15 minutes)
Monitor	5	86	87
Nearest Resident	18	75	76



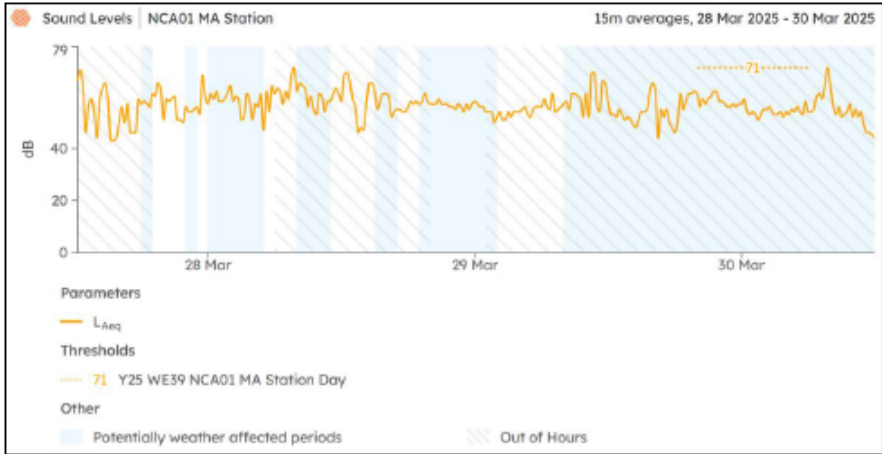
C. NCA 14 Noise Monitor (HEX-000758) is 88 m SW of 133 Meeks Road, Marrickville

	Distance to the Source of Noise (m)	Saturday 1800-0800 Prediction (L _{Aeq} 15 minutes)	Sunday 0800-1800 Prediction (L _{Aeq} 15 minutes)
Monitor	19	80	81
Nearest Resident	104	65	66



D. NCA 01 Noise Monitor (HEX-000782) is 88 m SW of 17 Leofrene Avenue, Marrickville

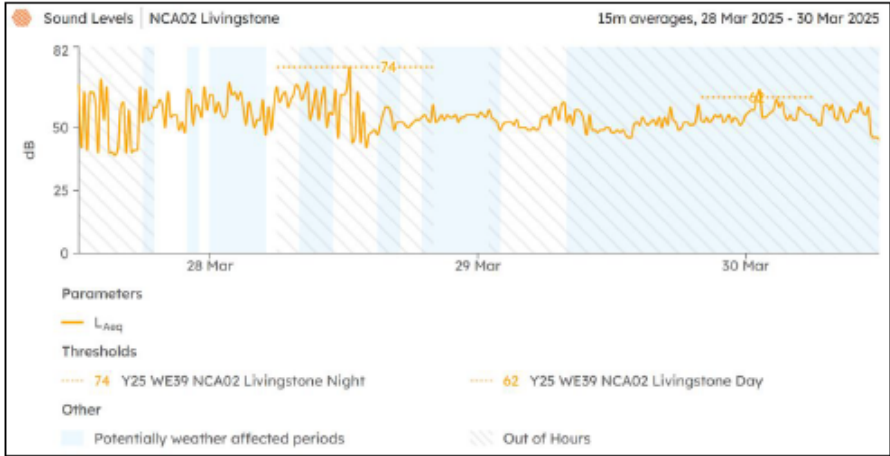
	Distance to the Source of Noise (m)	Sunday 0800-1800 Prediction (L _{Aeq} 15 minutes)
Monitor	5	71
Nearest Resident	18	66



E. NCA 01 Noise Monitor (HEX-000630) is 24 m SE of 12 Marrickville Avenue, Marrickville

	Distance to the Source of Noise (m)	Friday 2200-0800 Prediction (L _{Aeq} 15 minutes)
Monitor	34	74
Nearest Resident	38	73

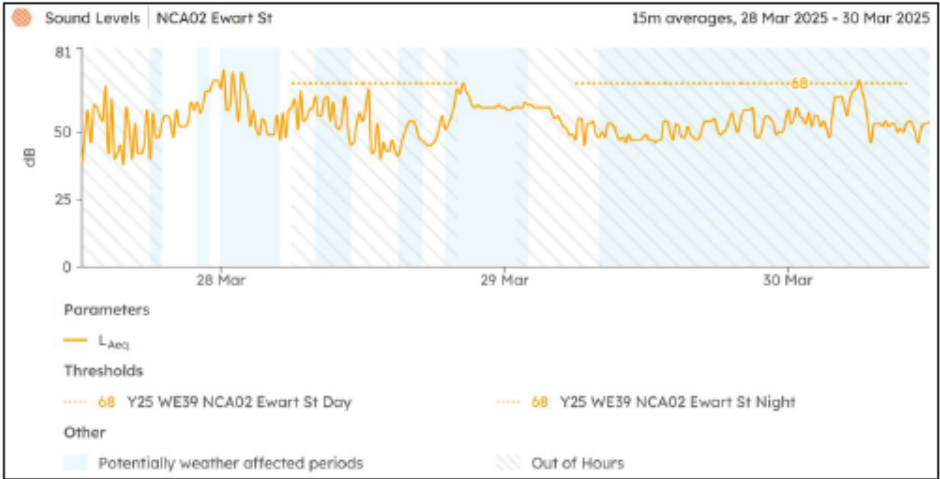
	Distance to the Source of Noise (m)	Sunday 0800-1800 Prediction (L _{Aeq} 15 minutes)
Monitor	15	62
Nearest Resident	19	60



➤ ARTC De-Vegetation adjacent to Monitoring point identified between 1300-1315. Laeq for time period 1300-1315 recorded at 65 dB, above the prediction (L_{Aeq}=62 dB). Data for time period 1300-1315 not related to JHLOR activity.

F. NCA 02 Noise Monitor (HEX-000631) is 11 m N of 73 Ewart Street, Dulwich Hill

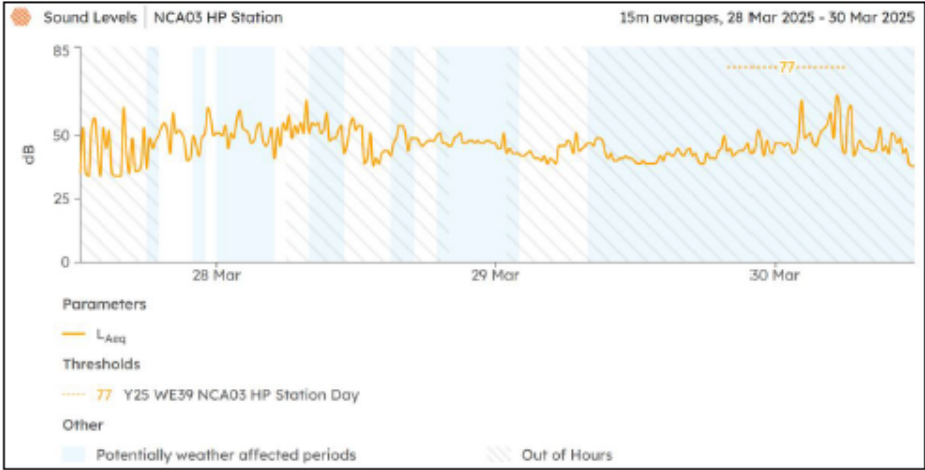
	Distance to the Source of Noise (m)	Saturday 0400-0800 Prediction (L _{Aeq} 15 minutes)	Saturday 1800-0800 Prediction (L _{Aeq} 15 minutes)	Sunday 0800-1800 Prediction (L _{Aeq} 15 minutes)
Monitor	22	70	70	68
Nearest Resident	27	68	68	66



Noise monitor detect highest L_{Aeq}15min value related to construction at 1745 to 1800 (69dB) above predictions (68dB). Predicted noise levels (Dayshift works) in this area triggered offers for additional mitigation measures. Actual noise levels (Dayshift works) in this area did not trigger offers above the Respite limit. Appropriate mitigation measures being offered. No further additional mitigation measures required.

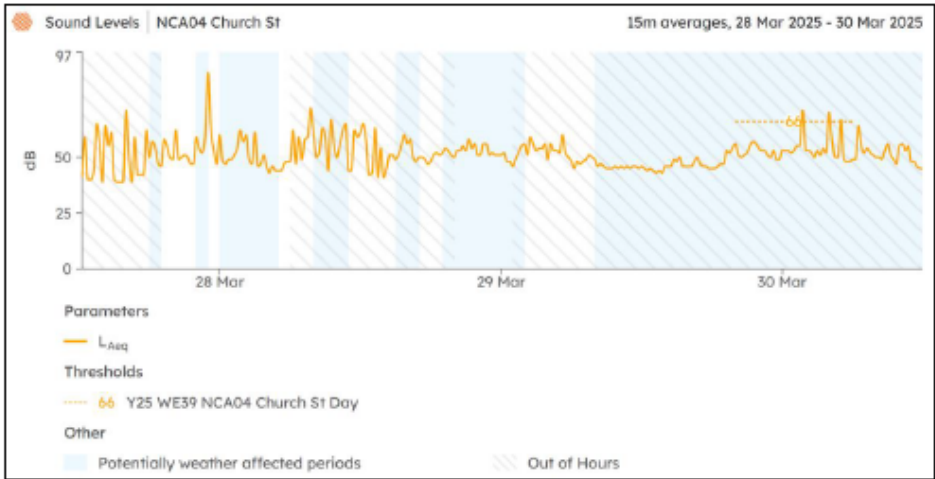
G. NCA 03 Noise Monitor (HEX-000713) is 9 m NW of 3A Commons Street, Hurlstone Park

	Distance to the Source of Noise (m)	Sunday 0800-1800 Prediction (L _{Aeq} 15 minutes)
Monitor	18	77
Nearest Resident	27	73



H. NCA 04 Noise Monitor (HEX-000713) is 14 m SW of 92 Church Street, Canterbury

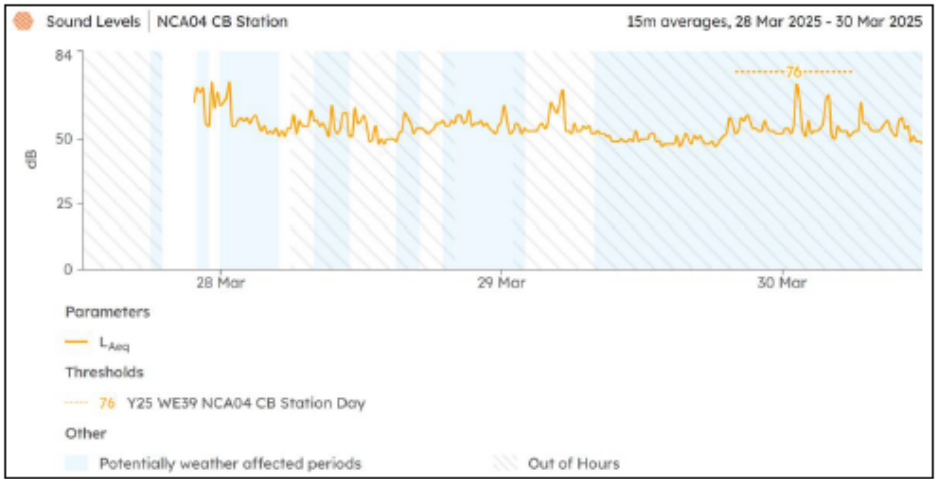
	Distance to the Source of Noise (m)	Sunday 0800-1800 Prediction (L _{Aeq} 15 minutes)
Monitor	26	66
Nearest Resident	30	65



➤ ARTC Track Work adjacent to Monitoring point identified:
- For 1330 to 1345, Noise monitor detect highest LAeq15min value related to construction (71dB) above predictions (66dB);
- For 1545 to 1600, Noise monitor detect highest LAeq15min value related to construction (70dB) above predictions (66dB);
- For 1645 to 1700, Noise monitor detect highest LAeq15min value related to construction (67dB) above predictions (66dB)
All above observed related to ARTC track work, not related to JHLOR.

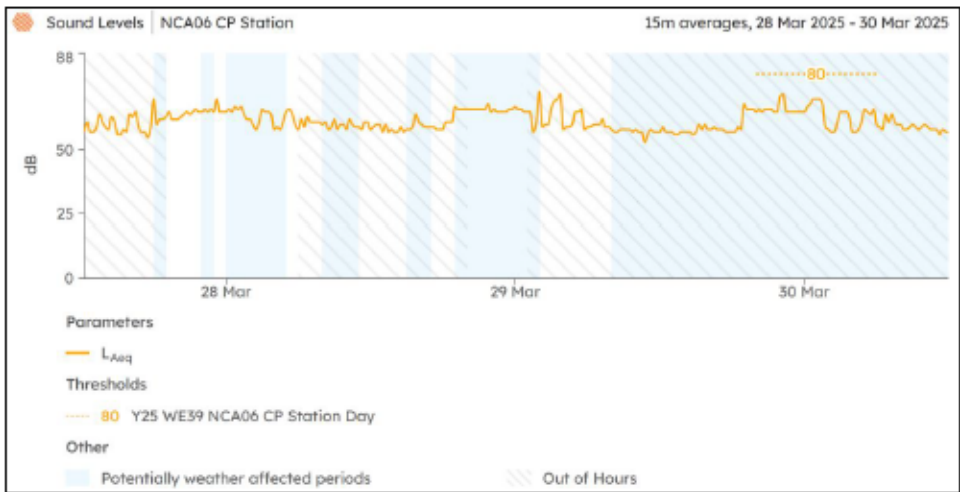
I. NCA 04 Noise Monitor (HEX-000249) is 14 m N of 2A Charles Street, Canterbury

	Distance to the Source of Noise (m)	Sunday 0800-1800 Prediction (L _{Aeq} 15 minutes)
Monitor	14	76
Nearest Resident	26	71



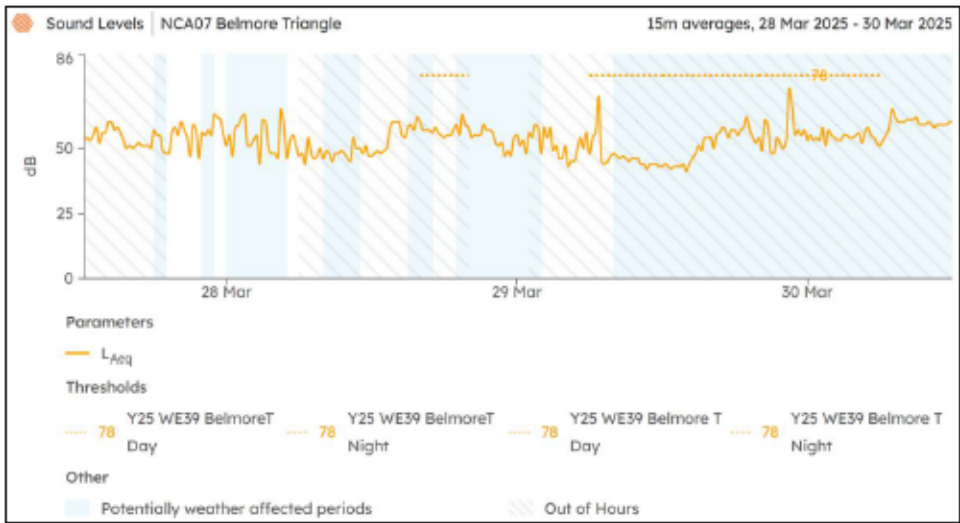
J. NCA 06 Noise Monitor (HEX-000667) is 10 m NE of 13-15 Anglo Road, Campsie

	Distance to the Source of Noise (m)	Sunday 0800-1800 Prediction (L _{Aeq} 15 minutes)
Monitor	11	80
Nearest Resident	21	74



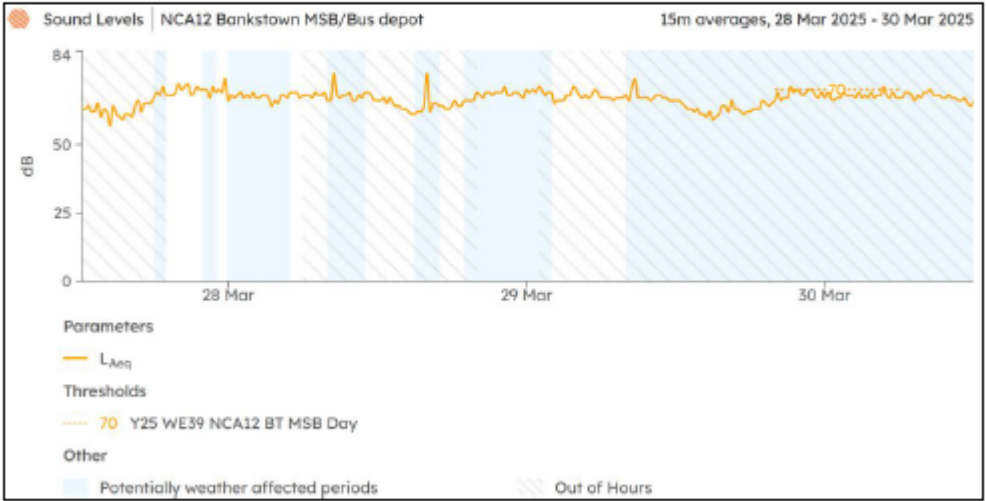
K. NCA 07 Noise Monitor (HEX-000531) is 4 m SE of 1 Hall Street, Belmore 2192

	Distance to the Source of Noise (m)	Saturday 0400-0800 Prediction (L _{Aeq} 15 minutes)	Saturday 1800-0800 Prediction (L _{Aeq} 15 minutes)	Sunday 0800-1800 Prediction (L _{Aeq} 15 minutes)
Monitor	2	78	78	78
Nearest Resident	6	71	71	71



L. NCA 12 Noise Monitor (HEX-000618) is 86 m W of 2 West Terrace, Bankstown 2200

	Distance to the Source of Noise (m)	Sunday 0800-1800 Prediction (LAeq 15 minutes)
Monitor	25	70
Nearest Resident	42	65



➤ Urban traffic adjacent to Monitoring point Identified:
- For 0900 to 0915, Noise monitor detect highest LAeq15min value related to construction (71dB) above predictions (70dB);
- For 1630 to 1645, Noise monitor detect highest LAeq15min value related to construction (71dB) above predictions (70dB);
All above observed related to Urban Traffic. Not related to JHLOR activities.

Vibration Monitoring Data - Monthly Summary									
Month and Year	March 2025								
Project	Sydney Metro SWM3								
EPL license No.	21147								
EPL Weblink	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&id=21147&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued								
Specific EPL monitoring conditions	M7.2 - Vibration monitoring								
Monitoring Location	Number of times monitoring during the month	Attended or continuous monitoring	Event based monitoring (Y/N)	Parameter eg.PPV	Unit	Minimum value for month	Maximum value for month	Goals/Targets	Comment
SWM3									No activities requiring vibration monitoring