Water Monitoring Data - Monthly Summary

Month and Year	February 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	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									No activities requiring water monitoring

Noise Monitoring Data - Monthly Summary		
Month and Year	February 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	17/02/2024	Night 22:00 to 05:15	Track Grinding	• Track Grinder	• LAeq in period at Monitoring Location is 68 • Excluding the following non-construction related event being identified:: 17/02/2025 22:15 66 ARTC Train 18/02/2025 0:15 68 ARTC Train 18/02/2025 1:30 66 ARTC Train 18/02/2025 1:45 66 ARTC Train 18/02/2025 2:00 65 ARTC Train 18/02/2025 3:00 59 ARTC Train 18/02/2025 4:30 61 ARTC Train 18/02/2025 5:00 63 ARTC Train 18/02/2025 6:15 56 Aircraft 18/02/2025 6:30 66 ARTC Train 18/02/2025 7:00 60 Aircraft • Construction related LAeq in period at Monitoring Location is 58 • Due to the monitoring location being **17 m** from the source of the noise and sensitive receiver being **95 m** from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 43.	52	Y	• RBL: 40 dBA • The calculated construction related highest LAeq in work period (53 dBA) is lower than the predicted level (52 dBA) • **Predicted noise levels (Night shift works) triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**

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	17/02/2024	Night 22:00 to 05:15	Track Grinding	• Track Grinder	• Highest LAeq in period at Monitoring Location is 62	69	Y	• RBL: 42 dBA • The construction related highest LAeq in work period is lower than the predicted level. • **Predicted noise levels (Night shift works) triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**

Table 3. Monitoring Location C: NCA 12 Noise Monitor (HEX-000618), 45 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	21/02/2025 To 22/02/2025	Night 22:00 to 7:00 (Modelled from 18:00 to 7:00)	General OHW related construction activities	• Light vehicles • Trucks • Payloader • Handheld powered tools • EWP/telehandler • Site lights	• Highest ambient LAeq in period at Monitoring Location is 63 • Excluding the following non-construction related event being identified: 21/02/2025 22:15 63 Urban Traffic 21/02/2025 23:15 61 Urban Traffic 21/02/2025 23:30 63 Urban Traffic 21/02/2025 23:45 62 Urban Traffic 22/02/2025 0:15 62 Urban Traffic 22/02/2025 0:30 59 Urban Traffic 22/02/2025 1:45 57 Urban Traffic 22/02/2025 2:00 57 Urban Traffic 22/02/2025 3:00 61 Urban Traffic 22/02/2025 5:00 57 Urban Traffic 22/02/2025 5:15 58 Urban Traffic 22/02/2025 5:45 59 Urban Traffic 22/02/2025 6:15 59 Urban Traffic 22/02/2025 6:45 59 Urban Traffic • Construction related LAeq in period at Monitoring Location is 61 • Due to the monitoring location being **180 m** from the source of the noise and sensitive receiver being **195 m** from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 60.	55	Y	• RBL: 42 dBA • The calculated construction related highest LAeq in work period (60 dBA) is higher than the predicted level (55 dBA) • **Predicted noise levels (Night 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**
2	22/02/2025 To 23/02/2025	Night 22:00 to 7:00 (Modelled from 18:00 to 7:00)			• Highest ambient LAeq in period at Monitoring Location is 66 • Excluding the following non-construction related event being identified: 22/02/2025 22:15 66 Urban Traffic 22/02/2025 22:30 62 Urban Traffic 22/02/2025 22:45 63 Urban Traffic 22/02/2025 23:00 62 Urban Traffic 22/02/2025 23:15 63 Urban Traffic 22/02/2025 23:30 66 Urban Traffic 22/02/2025 23:45 61 Urban Traffic 23/02/2025 0:00 61 Urban Traffic 23/02/2025 0:15 61 Urban Traffic 23/02/2025 0:30 61 Urban Traffic 23/02/2025 1:00 62 Urban Traffic 23/02/2025 1:15 60 Urban Traffic 23/02/2025 1:45 59 Urban Traffic 23/02/2025 2:30 55 Urban Traffic 23/02/2025 3:00 55 Urban Traffic 23/02/2025 5:30 56 Urban Traffic 23/02/2025 5:45 57 Urban Traffic 23/02/2025 6:00 56 Urban Traffic 23/02/2025 6:30 58 Animal Activity	55	Y	• RBL: 42 dBA • The calculated construction related highest LAeq in work period (61 dBA) is higher than the predicted level (55 dBA) • **Predicted noise levels (Night 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**

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
					23/02/2025 6:45 57 Animal Activity • Construction related LAeq in period at Monitoring Location is 62 • Due to the monitoring location being **180 m** from the source of the noise and sensitive receiver being **195 m** from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 61.			
3	23/02/2025	Day 08:00 to 18:00 & Evening 18:00 to 22:00			• Highest ambient LAeq in period at Monitoring Location is 72 • Excluding the following non-construction related event being identified: 23/02/2025 7:00 61 Animal Activity 23/02/2025 8:15 61 Urban Traffic 23/02/2025 8:45 60 Urban Traffic 23/02/2025 9:15 60 Urban Traffic 23/02/2025 10:15 61 Urban Traffic 23/02/2025 10:30 61 Urban Traffic 23/02/2025 10:45 63 Urban Traffic 23/02/2025 11:00 62 Urban Traffic 23/02/2025 11:15 64 Urban Traffic 23/02/2025 11:30 63 Urban Traffic 23/02/2025 12:00 62 Urban Traffic 23/02/2025 12:15 63 Urban Traffic 23/02/2025 12:30 62 Urban Traffic 23/02/2025 12:45 62 Urban Traffic 23/02/2025 13:00 61 Urban Traffic 23/02/2025 13:15 62 Urban Traffic 23/02/2025 13:30 61 Urban Traffic 23/02/2025 14:00 63 Urban Traffic 23/02/2025 14:15 62 Urban Traffic 23/02/2025 14:30 64 Urban Traffic 23/02/2025 14:45 62 Urban Traffic 23/02/2025 15:00 62 Urban Traffic 23/02/2025 15:15 63 Urban Traffic 23/02/2025 15:30 63 Urban Traffic 23/02/2025 16:00 63 Urban Traffic 23/02/2025 16:15 63 Urban Traffic 23/02/2025 16:45 63 Urban Traffic 23/02/2025 17:00 62 Urban Traffic 23/02/2025 17:15 63 Urban Traffic 23/02/2025 18:00 63 Urban Traffic 23/02/2025 18:15 64 Urban Traffic 23/02/2025 18:30 62 Urban Traffic 23/02/2025 19:00 63 Urban Traffic 23/02/2025 19:15 62 Urban Traffic 23/02/2025 19:30 65 Urban Traffic 23/02/2025 19:45 72 Urban Traffic 23/02/2025 20:00 64 Urban Traffic 23/02/2025 20:15 62 Urban Traffic 23/02/2025 20:45 61 Urban Traffic 23/02/2025 21:15 63 Urban Traffic 23/02/2025 21:30 62 Urban Traffic 23/02/2025 21:45 62 Urban Traffic 23/02/2025 22:00 60 Urban Traffic • Construction related LAeq in period at Monitoring Location is 64 • Due to the monitoring location being **180 m** from the source of the noise and sensitive receiver being **195 m** from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 63.	55	Y	• RBL: 54 dBA • The calculated construction related highest LAeq in work period (63 dBA) is higher than the predicted level (55 dBA) • **Predicted noise levels (Night 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	23/02/2025 To 24/02/2025	Night 22:00 to 7:00 (Modelled from 18:00 to 7:00)			• Highest ambient LAeq in period at Monitoring Location is 62 • Excluding the following non-construction related event being identified: 23/02/2025 22:30 61 Urban Traffic 23/02/2025 22:45 62 Urban Traffic 23/02/2025 23:15 61 Urban Traffic 23/02/2025 23:30 62 Urban Traffic 24/02/2025 0:15 58 Urban Traffic 24/02/2025 0:45 59 Urban Traffic 24/02/2025 2:15 54 Urban Traffic 24/02/2025 2:30 54 Urban Traffic 24/02/2025 3:30 59 Urban Traffic 24/02/2025 4:00 58 Urban Traffic 24/02/2025 6:00 59 Urban Traffic 24/02/2025 6:30 61 Urban Traffic • Construction related LAeq in period at Monitoring Location is 61 • Due to the monitoring location being **180 m** from the source of the noise and sensitive receiver being **195 m** from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 60.	55	Y	• RBL: 42 dBA • The calculated construction related highest LAeq in work period (60 dBA) is higher than the predicted level (55 dBA) • **Predicted noise levels (Night 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**

Vibration Monitoring Data - Monthly Summary

Month and Year	February 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

Business

Thursday 7/11/24.

Attended Vibration Monitoring

* Dulwich Hill Station – Station Master's ticket office.

μm/s

08:28 ± Commenced vibe monitoring. Instrument set up. No construction activities other than people walking past instrument at 1m distance

87 74 119 103 87 μm/s.

08:32 39 23 79 103 31 47 87. μm/s.

08:35 55 30 87 71 39 39 47 μm/s

08:56 166 79 174 214 103 119 111 95 μm/s

09:07 150 95 182 119 47 64 166 119 μm/s. – more people walking past monitor – preparation for demo of asphalt surface

09:14 150 174 97 301 166 150 135. 166.

09:34 87 71 55 164 63 79 55 Crew gone to tea. Low traffic past monitor.

09:54 256 230 238 245 238 222 269 No demo work up at monitoring point. Portable generator running/operational at 5m.

10:20 166 158 135 166 150 158 198 μm/s.

10:24 2,61 1,40 1.70 1.36 578 1,48 1,52 943 951 1,64 Commence DEMO of asphalt @ 2,5m from monitor mm/s

10:26 1,13 1,67 1,22 1,27 1,12 1,87 1,55 1,99 1,44 DEMO continues @ 2,5m from monitor. mm/s

10:30 1,18 1,25 mm/s 713 μm/s 1,03 1,26 1,64 1,45 1,39 @ 3m. from monitor.

10:34 1,08 1,24 1,12 mm/s Stop monitoring – crews cleaning up rubble