

Water Monitoring Data - Monthly Summary									
Month and Year	January 2025							<div><div>LAING O'Rourke</div><div>JOHN HOLLAND</div></div>	
Project	Sydney Metro SWM3								
EPL License No.	21147								
EPL Weblink	<a href="https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&amp;id=21147&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=Issued">https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&amp;id=21147&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=Issued</a>								
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	January 2025		
Project	Sydney Metro SWM3		
EPL license No.	21147		
EPL Weblink	<a href="https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&amp;id=21147&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=Issued">https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&amp;id=21147&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=Issued</a>		
Specific EPL monitoring conditions	M7.1 - Noise monitoring		



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	12/01/2025	Day 08:00 to 18:00	PSD/MGF electrical and grouting works	Handheld powered and non-powered tools	<ul style="list-style-type: none"><li>Highest ambient LAeq in period at Monitoring Location is <b>66</b></li><li>Excluding the following non-construction related event being identified:<ul style="list-style-type: none"><li>12/01/2025 7:45 58 Aircraft</li><li>12/01/2025 9:30 57 Aircraft</li><li>12/01/2025 10:00 66 ARTC Train</li><li>12/01/2025 11:00 61 Aircraft</li><li>12/01/2025 11:30 60 Aircraft</li><li>12/01/2025 12:15 56 Aircraft</li><li>12/01/2025 12:45 59 Aircraft</li><li>12/01/2025 13:00 59 Aircraft</li><li>12/01/2025 13:30 60 ARTC Train</li><li>12/01/2025 15:15 62 Aircraft</li><li>12/01/2025 16:00 55 Aircraft</li><li>12/01/2025 16:30 62 Aircraft</li><li>12/01/2025 17:00 62 Aircraft</li><li>12/01/2025 18:00 61 Aircraft</li></ul></li><li>Construction related LAeq in period at Monitoring Location is <b>63</b></li><li>Due to the monitoring location being 25.5 m from the source of the noise and sensitive receiver being 33.5 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is <b>61</b>.</li></ul>	58	Y	<ul style="list-style-type: none"><li>RBL: 38 dBA</li><li>The construction related highest LAeq in work period is lower than the predicted level.</li><li>Predicted noise levels (Day shift works) didn't trigger offers for additional mitigation measures.</li><li>Actual construction related noise levels (Day shift works) area did not trigger offers above the Respite limit.</li><li>Appropriate mitigation measures being offered.</li><li>No further additional mitigation measures required</li></ul>

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	21/12/2024	Night 05:00 to 05:15	Removal water from lift pit	Vacuum Truck	<ul style="list-style-type: none"><li>LAeq in period at Monitoring Location is <b>60</b></li><li>Excluding the following non-construction related event being identified:<ul style="list-style-type: none"><li>21/01/2025 05:15 <b>60</b> ARTC Train</li></ul></li><li>Ambient LAeq (no construction activity) at Monitoring Location is following:<ul style="list-style-type: none"><li>21/01/2025 0:00 61</li><li>21/01/2025 0:15 64</li><li>21/01/2025 0:30 66</li><li>21/01/2025 0:45 61</li><li>21/01/2025 1:00 60</li><li>21/01/2025 1:15 59</li><li>21/01/2025 1:30 59</li><li>21/01/2025 1:45 62</li><li>21/01/2025 2:00 59</li><li>21/01/2025 2:15 61</li><li>21/01/2025 2:30 58</li><li>21/01/2025 2:45 59</li><li>21/01/2025 3:00 59</li><li>21/01/2025 3:15 59</li><li>21/01/2025 3:30 60</li><li>21/01/2025 3:45 60</li><li>21/01/2025 4:00 59</li><li>21/01/2025 4:15 58</li><li>21/01/2025 4:30 57</li><li>21/01/2025 4:45 61</li><li>21/01/2025 5:00 61</li><li>21/01/2025 5:30 59</li><li>21/01/2025 5:45 62</li><li>21/01/2025 6:00 66</li><li>21/01/2025 6:15 61</li><li>21/01/2025 6:30 61</li><li>21/01/2025 6:45 58</li></ul></li><li>The noise detected during the construction period (21/01/2025 05:15 <b>60</b>) with ARTC Train impact is consistent with the Ambient LAeq level.</li><li>No construction noise impact to the sensitive receiver.</li></ul>	41	Y	<ul style="list-style-type: none"><li>RBL: 35 dBA</li><li>The noise detected during the construction period (05:00 to 05:15) with ARTC Train impact is consistent with the Ambient LAeq level.</li><li>Construction noise didn't introduce additional impact to the Ambient noise level at the monitoring location.</li><li>Predicted noise levels (Night shift works) in this area not triggered offers for additional mitigation measures.</li><li>Appropriate additional mitigation measures being offered</li></ul>



Reference Number	Date	Period	Construction Activities	Main source of noise	Highest LAeq in work period at Monitoring Location (dBA)	Predicted noise level LAeq, 16min at resident (dBA)	Compliant	Comments
1	25/01/2025 To 26/01/2025	Night 22:00 to 7:00 (Modelled from 18:00 to 7:00)			<ul style="list-style-type: none"><li>Highest ambient LAeq in period at Monitoring Location is 68</li><li>Excluding the following non-construction related event being identified:<ul style="list-style-type: none"><li>25/01/2025 22:15 63 Aircraft</li><li>25/01/2025 22:45 65 Aircraft</li><li>25/01/2025 23:15 66 ARTC Train</li><li>26/01/2025 0:15 67 ARTC Train</li><li>26/01/2025 0:30 59 ARTC Train</li><li>26/01/2025 1:00 58 ARTC Train</li><li>26/01/2025 1:45 64 ARTC Train</li><li>26/01/2025 3:15 60 ARTC Train</li><li>26/01/2025 4:00 68 ARTC Train</li><li>26/01/2025 4:30 67 ARTC Train</li><li>26/01/2025 5:00 67 ARTC Train</li><li>26/01/2025 5:45 58 ARTC Train</li><li>26/01/2025 6:15 66 ARTC Train</li></ul></li><li>Construction related LAeq in period at Monitoring Location is 61</li></ul>	65	Y	<ul style="list-style-type: none"><li>RBL: 40 dBA</li><li>The construction related highest LAeq in work period is lower than the predicted level.</li><li>Predicted noise levels (Night shift works) triggered offers for additional mitigation measures.</li><li>Appropriate additional mitigation measures being offered</li></ul>
2	26/01/2026	Day 08:00 to 18:00 & Evening 18:00 to 22:00			<ul style="list-style-type: none"><li>Highest ambient LAeq in period at Monitoring Location is 71</li><li>Excluding the following non-construction related event being identified:<ul style="list-style-type: none"><li>26/01/2026 7:30 67 ARTC Train</li><li>26/01/2026 8:15 71 ARTC Train</li><li>26/01/2026 9:30 63 ARTC Train</li><li>26/01/2026 10:00 69 ARTC Train</li><li>26/01/2026 10:15 63 ARTC Train</li><li>26/01/2026 11:00 59 ARTC Train</li><li>26/01/2026 11:45 60 ARTC Train</li><li>26/01/2026 13:15 68 ARTC Train</li><li>26/01/2026 14:15 67 ARTC Train</li><li>26/01/2026 15:15 60 ARTC Train</li><li>26/01/2026 19:00 66 ARTC Train</li><li>26/01/2026 20:15 68 ARTC Train</li><li>26/01/2026 21:15 66 ARTC Train</li><li>26/01/2026 22:00 68 ARTC Train</li></ul></li><li>Construction related LAeq in period at Monitoring Location is 66</li></ul>	67	Y	<ul style="list-style-type: none"><li>RBL: 47 dBA</li><li>The construction related highest LAeq in work period is lower than the predicted level.</li><li>Predicted noise levels (Day shift works) did not trigger offers for additional mitigation measures.</li><li>Appropriate mitigation measures being offered</li></ul>
3	25/01/2025 To 26/01/2025	Night 22:00 to 7:00 (Modelled from 18:00 to 7:00)	General OHW related construction activities	<ul style="list-style-type: none"><li>Light vehicles</li><li>Trucks</li><li>Payloader</li><li>Handheld powered tools</li><li>EWP/telehandler</li><li>Site lights</li></ul>	<ul style="list-style-type: none"><li>Highest ambient LAeq in period at Monitoring Location is 71</li><li>Excluding the following non-construction related event being identified:<ul style="list-style-type: none"><li>26/01/2025 23:30 59 ARTC Train</li><li>27/01/2025 0:15 66 ARTC Train</li><li>27/01/2025 1:15 71 ARTC Train</li><li>27/01/2025 2:00 54 ARTC Train</li><li>27/01/2025 2:30 65 ARTC Train</li><li>27/01/2025 4:00 64 ARTC Train</li><li>27/01/2025 5:00 65 ARTC Train</li><li>27/01/2025 6:00 59 ARTC Train</li><li>27/01/2025 6:15 56 Aircraft</li><li>27/01/2025 6:30 63 Aircraft</li></ul></li><li>Construction related LAeq in period at Monitoring Location is 66</li><li>Due to the monitoring location being 17 m from the source of the noise and sensitive receiver being 86 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 51.</li></ul>	65	Y	<ul style="list-style-type: none"><li>RBL: 40 dBA</li><li>The calculated construction related highest LAeq in work period (51 dBA) is lower than the predicted level (65 dBA)</li><li>Predicted noise levels (Night shift works) triggered offers for additional mitigation measures.</li><li>Appropriate additional mitigation measures being offered</li></ul>
4	26/01/2026	Day 08:00 to 18:00			<ul style="list-style-type: none"><li>Highest ambient LAeq in period at Monitoring Location is 71</li><li>Excluding the following non-construction related event being identified:<ul style="list-style-type: none"><li>27/01/2025 7:15 64 Aircraft</li><li>27/01/2025 7:30 65 Aircraft</li><li>27/01/2025 8:30 60 ARTC Train</li><li>27/01/2025 9:30 67 ARTC Train</li><li>27/01/2025 9:00 58 Aircraft</li><li>27/01/2025 9:15 60 Aircraft</li><li>27/01/2025 9:30 64 ARTC Train</li><li>27/01/2025 9:45 68 Aircraft</li><li>27/01/2025 10:15 67 Aircraft</li><li>27/01/2025 10:30 58 Aircraft</li><li>27/01/2025 11:00 63 ARTC Train</li><li>27/01/2025 11:15 63 Aircraft</li><li>27/01/2025 11:30 63 Aircraft</li><li>27/01/2025 11:45 67 Aircraft</li><li>27/01/2025 12:00 65 Aircraft</li><li>27/01/2025 12:30 66 Aircraft</li><li>27/01/2025 12:45 62 Aircraft</li><li>27/01/2025 13:00 60 Aircraft</li><li>27/01/2025 13:15 69 Aircraft</li><li>27/01/2025 13:30 66 Aircraft</li><li>27/01/2025 13:45 64 Aircraft</li><li>27/01/2025 14:15 67 ARTC Train</li><li>27/01/2025 14:45 65 Aircraft</li><li>27/01/2025 15:00 56 Aircraft</li><li>27/01/2025 15:15 57 Aircraft</li><li>27/01/2025 15:30 62 Aircraft</li><li>27/01/2025 15:45 65 Aircraft</li><li>27/01/2025 16:00 67 Aircraft</li><li>27/01/2025 16:15 56 Aircraft</li><li>27/01/2025 16:30 57 Aircraft</li><li>27/01/2025 17:00 63 Aircraft</li><li>27/01/2025 17:30 62 Aircraft</li><li>27/01/2025 17:45 63 ARTC Train</li></ul></li><li>Construction related LAeq in period at Monitoring Location is 66</li></ul>	67	Y	<ul style="list-style-type: none"><li>RBL: 47 dBA</li><li>The construction related highest LAeq in work period is lower than the predicted level.</li><li>Predicted noise levels (Day shift works) did not trigger offers for additional mitigation measures.</li><li>Appropriate mitigation measures being offered</li></ul>

Table 3. Monitoring Location C: 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, 16min at resident (dBA)	Compliant	Comments
1	25/01/2025 To 26/01/2025	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 LAeq in period at Monitoring Location is 71	74	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
2	26/01/2025	Day 08:00 to 18:00 & Evening 18:00 to 22:00			• Highest LAeq in period at Monitoring Location is 73	74	Y	• RBL: 51 dBA • The construction related highest LAeq in work period is lower than the predicted level. • Predicted noise levels (Day shift works) did not trigger offers for additional mitigation measures. • Appropriate mitigation measures being offered
3	25/01/2025 To 26/01/2025	Night 22:00 to 7:00 (Modelled from 18:00 to 7:00)			• Highest LAeq in period at Monitoring Location is 64	74	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
4	26/01/2025	Day 08:00 to 18:00			• Highest LAeq in period at Monitoring Location is 70	74	Y	• RBL: 51 dBA • The construction related highest LAeq in work period is lower than the predicted level. • 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 SSJ Noise Monitor (HEX-000630), 20 m SW of 29 Bridge St, 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, 16min at resident (dBA)	Compliant	Comments
1	25/01/2025 To 26/01/2025	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 LAeq in period at Monitoring Location is 68	70	Y	• RBL: 40 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
2	26/01/2025	Day 08:00 to 18:00 & Evening 18:00 to 22:00			• Construction related LAeq in period at Monitoring Location is 71 • Due to the monitoring location being 4 m from the source of the noise and sensitive receiver being 21 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 57.	69	Y	• RBL: 41 dBA • The calculated construction related highest LAeq in work period (57 dBA) is lower than the predicted level (69 dBA) • Predicted noise levels (Night shift works) triggered offers for additional mitigation measures. • Appropriate additional mitigation measures being offered
3	25/01/2025 To 26/01/2025	Night 22:00 to 7:00 (Modelled from 18:00 to 7:00)			• Highest LAeq in period at Monitoring Location is 66	70	Y	• RBL: 40 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
4	26/01/2025	Day 08:00 to 18:00			• Highest ambient LAeq in period at Monitoring Location is 70 • Excluding the following non-construction related event being identified: 27/01/2025 7:30 62 Aircraft 27/01/2025 8:30 61 Aircraft 27/01/2025 9:00 59 Aircraft 27/01/2025 9:15 63 Aircraft 27/01/2025 9:45 70 Aircraft 27/01/2025 10:00 68 Aircraft 27/01/2025 10:15 68 Aircraft 27/01/2025 11:00 65 Aircraft 27/01/2025 11:15 66 Aircraft 27/01/2025 11:30 66 Aircraft 27/01/2025 11:45 68 Aircraft 27/01/2025 12:00 66 Aircraft 27/01/2025 12:15 62 Aircraft 27/01/2025 12:30 68 Aircraft 27/01/2025 12:45 63 Aircraft 27/01/2025 13:15 69 Aircraft 27/01/2025 13:30 66 Aircraft 27/01/2025 13:45 65 Aircraft 27/01/2025 14:45 62 Aircraft 27/01/2025 15:00 57 Aircraft 27/01/2025 15:15 59 Aircraft 27/01/2025 15:30 64 Aircraft 27/01/2025 15:45 65 Aircraft 27/01/2025 16:00 57 Aircraft 27/01/2025 16:15 60 Aircraft 27/01/2025 16:30 60 Aircraft 27/01/2025 17:00 61 Aircraft 27/01/2025 17:30 61 Aircraft 27/01/2025 18:00 61 Aircraft • Construction related LAeq in period at Monitoring Location is 67	69	Y	• RBL: 41 dBA • The construction related highest LAeq in work period is lower than the predicted level. • Predicted noise levels (Day shift works) did not trigger offers for additional mitigation measures. • Appropriate mitigation measures being offered

Vibration Monitoring Data - Monthly Summary									
Month and Year	January 2025								
Project	Sydney Metro SWM3								
EPL license No.	21147								
EPL Weblink	<a href="https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&amp;id=21147&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=Issued">https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&amp;id=21147&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=Issued</a>								
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

