



Water Monitoring Data - Monthly Summary

Month and Year	March 2024	<div><div></div><div>LAING O'ROURKE</div></div> <div><div>JOHN HOLLAND</div></div>							
Project	Sydenham Metro upgrade								
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	Eventbased monitoring (Y/N)	Parameter eg. TSS, pH	Unit eg mg/L	Minimum valuefor month	Maximum valuefor month	AllowableMaximum limit	AllowableMinimum limit	Comment
South WestMetroCorridor Waterways									No activities requiring water monitoring

## Noise Monitoring Data - Monthly Summary

Month and Year	March 2024	 
Project	Sydenham Metro upgrade	
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	Monitoring Location (Catchment, Type & Address)	Date	Period	Construction Activities	Main source of noise	Highest LAeq in work period at Monitoring Location	Predicted noise level LAeq, 15min at resident	Compliant	Comments
1	Location a (NCA01) 35m N of 1 Charlotte Ave, Marrickville Continues Monitoring	23/03/2024 To 24/03/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	<ul style="list-style-type: none"> <li>Excavators 3T, 6 and 13T (inc jack hammer attachments)</li> <li>Balloon tyre dump trucks (Hydrema)</li> <li>Light vehicles</li> <li>Trucks</li> <li>Payloader</li> <li>Handheld powered and non-powered tools</li> <li>Vac Trucks</li> <li>EWPs/telehandler</li> <li>Front-end loader</li> <li>Concrete truck and line pump</li> <li>Portable Generators</li> <li>Compressors</li> <li>Compactor</li> <li>Bogie</li> <li>Water pumps</li> <li>4T Dump</li> <li>Site lights</li> </ul>	53	66	YES	<ul style="list-style-type: none"> <li>RBL: 33</li> <li>LAeq15min below predictions.</li> <li>Noise monitor detect highest LAeq15min value of 53 dB due to general construction noise between the hours 22:00 to 07:00.</li> <li>The Highest LAeq in work period (53 dB) is lower than the predicted level (66 dB)</li> <li>Predicted noise levels (Night shift works) in this area triggered offers for Respite.</li> </ul>
2	Location b (NCA01) 21m NW of 17 Warburton St, Marrickville Continues Monitoring					67 (Calculated highest LAeq in work period at the nearest resident is 65)	65	YES	<ul style="list-style-type: none"> <li>RBL: 33</li> <li>LAeq15min matched predictions.</li> <li>Noise monitor detect highest LAeq15min value of 65 dB due to general construction noise between the hours 22:00 to 07:00.</li> <li>The Highest LAeq in work period (65 dB) matches the predicted level (65 dB)</li> <li>Predicted noise levels (Night shift works) in this area triggered offers for Respite.</li> </ul>
3	Location c (NCA02) 32m E of 22 Kays Ave West, Dulwich Hill Continues Monitoring					52	61	YES	<ul style="list-style-type: none"> <li>RBL: 33</li> <li>LAeq15min below predictions.</li> <li>Noise monitor detect highest LAeq15min value of 52 dB due to general construction noise between the hours 22:00 to 07:00.</li> <li>The Highest LAeq in work period (52 dB) is lower than the predicted level (61 dB)</li> <li>Predicted noise levels (Night shift works) in this area triggered offers for Respite.</li> </ul>
4	Location d (NCA02) 15m N of 81 Ewart St, Dulwich Hill Continues Monitoring					63	69	YES	<ul style="list-style-type: none"> <li>RBL: 33</li> <li>LAeq15min below predictions.</li> <li>Noise monitor detect highest LAeq15min value of 63 dB due to general construction noise between the hours 22:00 to 07:00.</li> <li>The Highest LAeq in work period (63 dB) is lower than the predicted level (69 dB)</li> <li>Predicted noise levels (Night shift works) in this area triggered offers for Respite.</li> </ul>
5	Location e (NCA03) 18m S of 74-76 Floss St, Hurlstone Park Continues Monitoring					42	62	YES	<ul style="list-style-type: none"> <li>RBL: 34</li> <li>LAeq15min below predictions.</li> <li>Noise monitor detect highest LAeq15min value of 42 dB due to general construction noise between the hours 22:00 to 07:00.</li> <li>The Highest LAeq in work period (42 dB) is lower than the predicted level (62 dB)</li> <li>Predicted noise levels (Night shift works) in this area triggered offers for Respite.</li> </ul>
6	Location f (NCA04) 2m NW of 10B Charles St, Canterbury Continues Monitoring					74	78	YES	<ul style="list-style-type: none"> <li>RBL: 35</li> <li>LAeq15min below predictions.</li> <li>Noise monitor detect highest LAeq15min value of 74 dB due to general construction noise between the hours 22:00 to 07:00.</li> <li>The Highest LAeq in work period (74 dB) is lower than the predicted level (78 dB)</li> <li>Predicted noise levels (Night shift works) in this area triggered offers for Respite.</li> </ul>
7	Location g (NCA07) 55m E of 1A Lark St, Belmore Continues Monitoring					58	61	YES	<ul style="list-style-type: none"> <li>RBL: 35</li> <li>LAeq15min below predictions.</li> <li>Noise monitor detect highest LAeq15min value of 58 dB due to general construction noise between the hours 22:00 to 07:00.</li> <li>The Highest LAeq in work period (42 dB) is lower than the predicted level (62 dB)</li> <li>Predicted noise levels (Night shift works) in this area triggered offers for Respite.</li> </ul>
8	Location h (NCA12) 18m N of 242 South Terrace, Bankstown Continues Monitoring					63	69	YES	<ul style="list-style-type: none"> <li>RBL: 42</li> <li>LAeq15min below predictions.</li> <li>Noise monitor detect highest LAeq15min value of 63 dB due to general construction noise between the hours 22:00 to 07:00.</li> <li>The Highest LAeq in work period (42 dB) is lower than the predicted level (62 dB)</li> <li>Predicted noise levels (Night shift works) in this area triggered offers for Respite.</li> </ul>

Reference Number	Monitoring Location (Catchment, Type & Address)	Date	Period	Construction Activities	Main source of noise	Highest LAeq in work period at Monitoring Location	Predicted noise level LAeq, 15min at resident	Compliant	Comments
1	Location a (NCA01) 35m N of 1 Charlotte Ave, Marrickville Continues Monitoring	24/02/2024	Day to Evening 7:00 to 14:45	General track related construction activities	<ul style="list-style-type: none"> <li>Excavators 3T, 6 and 13T (inc jack hammer attachments)</li> <li>Balloon tyre dump trucks (Hydrema)</li> <li>Light vehicles</li> <li>Trucks</li> <li>Payloader</li> <li>Handheld powered and non-powered tools</li> <li>Vac Trucks</li> <li>EW/telehandler</li> <li>Front-end loader</li> <li>Concrete truck and line pump</li> <li>Portable Generators</li> <li>Compressors</li> <li>Compactor</li> <li>Bogie</li> <li>Water pumps</li> <li>4T Dump</li> <li>Site lights</li> </ul>	65	70	YES	<ul style="list-style-type: none"> <li>RBL: 38</li> <li>LAeq15min below predictions.</li> <li>Noise monitor detect highest LAeq15min value of 65 dB due to general construction noise between the hours 07:00 to 22:00.</li> <li>The Highest LAeq in work period (65 dB) is lower than the predicted level (70 dB)</li> <li>Predicted noise levels (Day shift works) in this area triggered offers for Respite.</li> </ul>
2	Location b (NCA01) 21m NW of 17 Warburton St, Marrickville Continues Monitoring		Day to Evening 7:00 to 22:00			62	67	YES	<ul style="list-style-type: none"> <li>RBL: 38</li> <li>LAeq15min below predictions.</li> <li>Noise monitor detect highest LAeq15min value of 62 dB due to general construction noise between the hours 07:00 to 22:00.</li> <li>The Highest LAeq in work period (62 dB) is lower than the predicted level (67 dB)</li> <li>Predicted noise levels (Day shift works) in this area did not trigger offers for Respite.</li> </ul>
3	Location c (NCA02) 32m E of 22 Kays Ave West, Dulwich Hill Continues Monitoring		Day to Evening 7:00 to 22:00			62	61	YES	<ul style="list-style-type: none"> <li>RBL: 38</li> <li>LAeq15min below predictions.</li> <li>Noise monitor detect highest LAeq15min value of 62 dB due to general construction noise between the hours 07:00 to 22:00.</li> <li>The Highest Daytime LAeq in work period (62 dB) is higher than the predicted level (61 dB)</li> <li>However Predicted noise levels (Day shift works) in this area did not trigger offers for Respite.</li> <li>Actual noise levels (Day shift works) in this area did not trigger offers for Respite.</li> <li>No additional mitigation measures required.</li> </ul>
4	Location d (NCA02) 15m N of 81 Ewart St, Dulwich Hill Continues Monitoring		Day to Evening 7:00 to 22:00			66	68	YES	<ul style="list-style-type: none"> <li>RBL: 38</li> <li>LAeq15min below predictions.</li> <li>Noise monitor detect highest LAeq15min value of 66 dB due to general construction noise between the hours 07:00 to 22:00.</li> <li>The Highest LAeq in work period (66 dB) is lower than the predicted level (68 dB)</li> <li>Predicted noise levels (Day shift works) in this area did not trigger offers for Respite.</li> </ul>
5	Location e (NCA03) 18m S of 74-76 Floss St, Hurststone Park Continues Monitoring		Day to Evening 7:00 to 15:00			47	63	YES	<ul style="list-style-type: none"> <li>RBL: 38</li> <li>LAeq15min below predictions.</li> <li>Noise monitor detect highest LAeq15min value of 47 dB due to general construction noise between the hours 07:00 to 22:00.</li> <li>The Highest LAeq in work period (47 dB) is lower than the predicted level (63 dB)</li> <li>Predicted noise levels (Day shift works) in this area did not trigger offers for Respite.</li> </ul>
6	Location f (NCA04) 2m NW of 10B Charles St, Canterbury Continues Monitoring		Day to Evening 7:00 to 22:00			65	78	YES	<ul style="list-style-type: none"> <li>RBL: 40</li> <li>LAeq15min below predictions.</li> <li>Noise monitor detect highest LAeq15min value of 65 dB due to general construction noise between the hours 07:00 to 22:00.</li> <li>The Highest LAeq in work period (65 dB) is higher than the predicted level (78 dB)</li> <li>Predicted noise levels (Day shift works) in this area triggered offers for Respite.</li> </ul>
7	Location g (NCA07) 55m E of 1A Lark St, Belmore Continues Monitoring		Day to Evening 7:00 to 15:30			66 (Calculated highest LAeq in work period at the nearest resident is 61)	61	YES	<ul style="list-style-type: none"> <li>RBL: 41</li> <li>LAeq15min matched predictions.</li> <li>Noise monitor detect highest LAeq15min value of 61 dB due to general construction noise between the hours 07:00 to 22:00.</li> <li>The Highest LAeq in work period (61 dB) is higher than the predicted level (61 dB)</li> <li>Predicted noise levels (Day shift works) in this area did not trigger offers for Respite.</li> </ul>
8	Location h (NCA12) 18m N of 242 South Terrace, Bankstown Continues Monitoring		Day to Evening 7:00 to 16:15			64	69	YES	<ul style="list-style-type: none"> <li>RBL: 54</li> <li>LAeq15min below predictions.</li> <li>Noise monitor detect highest LAeq15min value of 64 dB due to general construction noise between the hours 07:00 to 22:00.</li> <li>The Highest LAeq in work period (64 dB) is higher than the predicted level (69 dB)</li> <li>Predicted noise levels (Day shift works) in this area did not trigger offers for Respite.</li> </ul>

Vibration Monitoring Data - Monthly Summary

Month and Year	March 2024	<div></div>							<div>LAING O'ROURKE</div>	<div>JOHN HOLLAND</div>	
Project	Sydenham Metro upgrade										
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 monitored 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		
South West Metro Corridor									No activities requiring vibration monitoring		

