Water Monitoring Data - Monthly Summary

Month and Year	November 2022
Project	Sydenham Metro upgrade
EPL Licence 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 eg. TSS, pH	Unit eg mg/L	Minimum value for month	Maximum value for month	Allowable Maximum limit	Allowable Minimum limit	Comment
South West Metro Corridor Waterways	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Noise Monitoring Data - Monthly Summary

Month and Year	November 2022
Project	Sydenham Metro upgrade
EPL Licence 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

Monitoring Location	Number of times monitored during the month	Attended or continuous monitoring	Event based monitoring (Y/N)	Parameter eg. LAeq (15min)	Unit	Min value dB(A) for month	Max value dB(A) for month	Goals / targets dB(A)	Comment
Ewart Street, Dulwich Hill	2x in one day	Attended	Y	LAeq (15min)	dB(A)	N/A	90.8	72	Highest LAeq (15 min) measured value was 69.5 which is 2.5 dB below the predicted value. The associated work included handheld drilling into the top of the concrete segregation piles. Noise generated by construction activities are barely audible with the LAeq being affected by non-construction noise such as ARTC freight trains, high number of planes flying overhead.
254 Livingstone Road, Marrickville	Once	Attended	Y	LAeq (15min)	dB(A)	N/A	79	92.8	LAeq (15 min) measured value was 80 which is 1 dB above the predicted value. Although monitoring results show a slight exceedance, JHLORJV is still complaint as the noise monitor was unable to be set up in the line of site where noise mitigation had been set up between the source and most affected resident due to it being on private property. Noise mats are predicted to reduce between 5-10dB thus the results would have been between 70-75 dB which is below the predicted value. Saw cutting of brick parapet wall on Livingstone Rd bridge Saw cutting was the dominant noise source throughout the monitoring duration. Work commenced after 08:00 and in blocks of 3hrs on/1hrs respite.
221 Livingstone Road, Marrickville	Once	Attended	Y	LAeq (15min)	dB(A)	N/A	79	89.4	LAeq (15 min) measured value was 71.6 which is 2.4 dB below the predicted value. Noise mats were placed in line-of-site locations between source and resident. The associated Saw cutting of brick parapet wall on Livingstone Rd bridge Saw cutting was the dominant noise source throughout the monitoring duration.

Vibration Monitoring Data - Monthly Summary

Month and Year	November 2022	
Project	Sydenham Metro upgrade	
EPL Licence 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 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
Livingstone Road Bridge, Marrickville	Once	Attended	Y	PPV	mm/s	N/A	2.63	25	Monitoring from 8:41 to 12:20. Works conducted for Livingstone Road parapet removal. Vibration results indicate that there is no affect to sensitive receivers within the area. Assessing the data, vibration results indicate that works have low vibrational outputs with some occasional peaks during the work. The highest peak occurred at 11:07 with a value of 2.63mm/s. For reference the 2nd highest peak was 1.758mm/s at 12:05.