

Water Monitoring Data - Monthly Summary

Month and Year	February 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
Discharge Point 2	0	N							N/A



JOHN HOLLAND



Noise Monitoring Data - Monthly Summary

Month and Year	February 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
BEW. 2 West Terrace, Bankstown	1	Attended	Y	LAeq15min	dB	66.5	66.5	72	Monitoring at 60m from crane rigging. ID #: L673. Could only hear construction works when there was no traffic/buses and vehicles accelerating through intersection
104 Stansfield Ave, Punchbowl	1	Attended	Y	LAeq15min	dB	62.9	62.9	69	Monitoring at 25m. ID #: L676 Quiet street.
63 Melford St, Hurlstone Park	1	Attended	Y	LAeq15min	dB	71.4	71.4	74	Monitoring at 25-30m. ID #: L677. Construction activities dominant NOTE: Substation contractor (on country side of bridge) also jackhammering for 20% of monitoring period Train passing on ARTC track
63 Melford St, Hurlstone Park	1	Attended	Y	LAeq15min	dB	71.7	71.7	74	Monitoring at 25-30m. ID #: . Construction activities dominant Jackhammering of rock intermittent and loud Sweeper passing monitoring point responsible for LaMax
2 West Terrace, Bankstown BEW	1	Attended	Y	LAeq15min	dB	66.7	66.7	69	Crane audible while winching - considerable noise and LaMax from passing traffic including loud cars and busses
22 Quigg St, Lakemba	1	Attended	Y	LAeq15min	dB	58	58	65	Excavator audible, LaMax from passing traffic
20 Loftus St, Belmore	1	Attended	Y	LAeq15min	dB	51.7	51.7	68	Excavator audible, occasional hydreema delivering material, LaMax from material placement
66 Lillian Ln, Belmore	1	Attended	Y	LAeq15min	dB	57.6	57.6	70	Not Valid - Wind exceeding 28km/h with gusts up to 40km/h
63 Melford St, Hurlstone Park	1	Attended	Y	LAeq15min	dB	47.5	47.5	70	Pit installation activities only, GST installation did not occur LaMax from traffic (cars passing)
22(C) Hurlstone Pde	1	Attended	Y	LAeq15min	dB	52.2	52.2	50	COMPLAINT Monitoring at 80m. ID #: L683. Resident is located on the down slope of a hill (sth of road) with a line of houses and steep cutting, bushes offering noise attenuation Construction noise was barely audible/audible and seemed like a noise in the distant background. Numerous vehicle movements.
63 Melford St, Hurlstone Park	1	Attended	Y	LAeq15min	dB	61.9	61.9	67.0	Single Loud car passing responsible for LaMax
BEW. 2 West Terrace, Bankstown	1	Attended	Y	LAeq15min	dB	66.7	66.7	75	Quieter than expected as vac truck was not required for works



353 Victoria Rd (Nth side portal), Marrickville	1	Attended	Y	LAeq15min	dB	57.3	57.3	<p>Monitoring at 35m. ID #: L686.</p> <p>Noise was barely audible. Repairs to tunnel walls and structure. EWP working inside tunnel. Compressors and generators on site but not audible. No plant working outside tunnel portals. Can only barely hear the reversing squawkers of EWP</p> <p>Program of activities changed and the modelled works for the night period were changed to daytime period. In this respect no work was conducted outside the tunnel during the evening period (monitoring time)</p>
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Vibration Monitoring Data - Monthly Summary

Month and Year	February 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
Melford St Bridge - jackhammering for pit & conduits	1	Attended	Y	PPV	mm/s	N/A	12.023	7.5	Although these levels are an exceedance, the levels are considerably lower than the BS 7385 criterion of 15mm/s and below the cited 12.5 mm/s level corresponding to a near-zero probability of damage (refer Sydney Metro CNVS section 5.4.3).The cosmetic damage criteria relates to a structurally un-sound garage adjacent to the work site at Melford Street. The building was visually inspected – No impact observed from JHLOR activities.