

## Water Monitoring Data - Monthly Summary

Noise Monitoring Data - Monthly Summary																			
Month and Year	May 2022																		
Project	Sydenham Metro upgrade																		
EPL Licence No.	21147																		
EPL Weblink	<a href="https://apps.epa.nsw.gov.au/prpoeapp/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/prpoeapp/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																		
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										
Livingstone Rd, Marrickville	2 days	Continuous	Y	Laeq (15min)	dB	N/A	73	74	Highest LAeq15min value of 73 dB due to general construction noise in line with predicted 74 dB sound pressure level. Respite provided to residents. Predictions validated. No exceedance identified due to construction activities. LAeq15min generally below predictions. Average LAeq15min between 7am - 6pm of 60 dB.										
Livingstone Rd, Marrickville	3 nights	Continuous	Y	Laeq (15min)	dB	N/A	70	72	Highest LAeq15min value of 70 dB due to a period of plane passing. Predicted 72 dB sound pressure level. AA provided to residents. Predictions validated. No exceedance identified due to construction activities. LAeq15min generally below predictions. Average LAeq15min between 6pm - 7am of 59 dB.										
Jack Shanahan	2 days & 3 nights	Continuous	Y	Laeq (15min)	dB	N/A	51	74	Highest LAeq15min value of 51 dB due to general construction below predicted value of 74 dB sound pressure level. Noise periods were generally consistent throughout day and night periods and well below predictions. Predictions validated. No exceedance identified due to construction activities. LAeq15min generally below predictions. Average LAeq15min between 7am - 6pm of 51 dB.										
The Parade	3 nights	Continuous	Y	Laeq (15min)	dB	N/A	59	67	Highest LAeq15min value of 59 dB due to excavators and general construction below predicted value of 67 dB sound pressure level. Noise levels were generally consistent through the evening. Residents provided AA. Predictions validated. No exceedance identified due to construction activities. LAeq15min generally below predictions. Average LAeq15min between 6pm - 7am of 35 dB.										
The Parade	2 days	Continuous	Y	Laeq (15min)	dB	N/A	57	71	Highest LAeq15min value of 57 dB due to excavator works well below predicted value of 71 dB sound pressure level. Noise levels were generally consistent and above respite levels through the day periods. Residents provided respite, with noise levels hovering near 20 dB above RBL. LAeq15min generally below predictions. Average LAeq15min between 7am - 6pm of 50 dB.										
Melford Rd	3 nights	Continuous	Y	Laeq (15min)	dB	N/A	56	68	Highest LAeq15min value of 56 dB due to construction activities below predicted value of 68 dB sound pressure level. Period of high noise extended for 45 minutes plateauing either side. AA was offered for all nights, however the first night works were cancelled, due to late isolation. Predictions validated. No exceedance identified due to construction activities. LAeq15min generally below predictions. Average LAeq15min between 6pm - 7am of 48 dB.										
Melford Rd	2 days	Continuous	Y	Laeq (15min)	dB	N/A	63	64	Highest LAeq15min value of 63 dB due to hammering works prediction of 64dB sound pressure level. Noise levels were nearing 60 dB for an hour period. Residents provided respite. Predictions validated. No exceedance identified due to construction activities. LAeq15min generally below predictions. Average LAeq15min between 7am - 6pm of 53 dB.										
Church St Footbridge	2 days	Continuous	Y	Laeq (15min)	dB	N/A	53	70	Highest LAeq15min value of 53 dB due to hammering works below predicted 70dB sound pressure level. RO was offered. Predictions validated. No exceedance identified due to construction activities. LAeq15min generally below predictions. Average LAeq15min between 7am - 6pm of 44 dB.										
Church St Footbridge	3 nights	Continuous	Y	Laeq (15min)	dB	N/A	51	64	Highest LAeq15min value of 51 dB due to construction activities below predicted value of 64 dB sound pressure level. Predictions validated. No exceedance identified due to construction activities. LAeq15min generally below predictions. Average LAeq15min between 6pm - 7am of 43 dB.										
8 Broughton St, Canterbury	3 nights	Continuous	Y	Laeq (15min)	dB	N/A	70	71	Highest LAeq15min value of 70 dB due to construction activities below predicted value of 71 dB sound pressure level. Period of high noise extended for 60 minutes from 5am - 6am . AA was offered friday, saturday and sunday night. Predictions validated. No exceedance identified due to construction activities. LAeq15min generally below predictions with 60 minute peak periods. Average LAeq15min between 6pm - 7am of 60 dB.										
8 Broughton St, Canterbury	2 days	Continuous	Y	Laeq (15min)	dB	N/A	68	70	Highest LAeq15min value of 68 dB due to construction activities below predicted value of 70 dB sound pressure level. Period of high noise extended for 60 minutes from 5pm - 6pm on Saturday and Sunday; expected from workers returning to compound. Residents provided respite for saturday and sunday with LAeq15min 20 dB above RBL. Predictions validated. No exceedance identified due to construction activities. LAeq15min generally below predictions. Average LAeq15min between 7am - 6pm of 60 dB.										



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Duke Street, Campsie	3 nights	Continuous	Y	Laeq (15min)	dB	N/A	51	69	Highest LAeq15min value of 52 dB due to construction activities well below predicted value of 69 dB sound pressure level. Period of high noise extended for 60 minutes from 6:30am -7:30am on Saturday morning. AA was offered friday, saturday and sunday night. Predictions validated. No exceedance identified due to construction activities. Average LAeq15min between 6pm - 7am of 43 dB.
Duke Street, Campsie	2 days	Continuous	Y	Laeq (15min)	dB	N/A	54	70	Highest LAeq15min value of 54 dB due to construction activities well below predicted value of 70 dB sound pressure level. Period of high noise extended for 60 minutes from 6:30am -7:30am on Saturday morning. Respite was offered friday, saturday and sunday day. Noise levels were generally consistent from Friday night - Monday morning. Predictions validated. No exceedance identified due to construction activities. Average LAeq15min between 6pm - 7am of 46 dB.
2 West Terrace, Bankstown	2 nights	Continuous	Y	Laeq (15min)	dB	N/A	64	69	Highest LAeq15min value of 65 dB due to construction activities below predicted value of 69 dB sound pressure level. Period of noise above 60 dB is consistent from 7am - 6pm on Saturday and Sunday. Predictions validated. No exceedance identified due to construction activities. Average LAeq15min between 7am - 6pm of 62 dB.
2 West Terrace, Bankstown	2 days	Continuous	Y	Laeq (15min)	dB	N/A	64	58	Highest LAeq15min value of 64 dB due to general noise activity in the area. This is above the predicted value of 58 dB. Although construction activities were not occurring from 6pm on Friday and Sunday night, noise levels are seen to exceed 60 dB (exceedence of night work predictions) until around 10pm and plateauing thereafter. Continuous monitoring on Saturday night while works were occurring indicated a similar trend however plateauing slightly later in the night (based on previous attended observations likely due to late night public weekend activities within the Bankstown social hub). Further to this, the continuous noise monitor was located at a height from the works resulting in a direct line of sight to an extended noise catchment. Elevated noise levels recorded from 21:00 - 23:00 and also a 30 minute period from 2:00 - 2:30am were identified as extraneous noise sources, predominantly road traffic.  Predictions validated. No exceedance identified due to construction activities. Average LAeq15min between 6pm - 7am of 48 dB.
CNR Sth Pde /Park St (inside corridor)	1	Attended	Y	Laeq (15min)	dB	N/A	54	66	Parrallel monitoring with Site Hive HEX14. ID# L710
Sth side of Church St bridge	1	Attended	Y	Laeq (15min)	dB	N/A	57	68	Parrallel monitoring with Site Hive HEX30. ID# L712.

## Vibration Monitoring Data - Monthly Summary