Water Monitoring [	Data - Monthly Sum	mary						_			
Month and Year	May 2022									JOHN	
Project	Sydenham Metro upgrade								LAING O'ROURKE	HOLLAND	
EPL Licence No.	21147									HOLLAND	
EPL Weblink	https://apps.epa.nsw.gov.au/prpc	eoapp/Detail.aspx?ii	nstid=21147&id=2	1147&option=licer	nce&searchrange=	licence⦥=POEO%20lic	ence&prp=no&status=Issu	<u>ed</u>			
	M2 - Requirement to monitor concentration of pollutants discharged										
Specific EPL monitoring conditions											
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	Со	mment	
N/A	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	May 2022
Project	Sydenham Metro upgrade
EPL Licence No.	21147





EPL Licence No. 2114/

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								
	1		T			,			
Monitoring Location	Number of times monitored		Event based	Parameter eg.	Unit	Min value	Max value	Goals /	Comment
	during the month	continuous	monitoring (Y/N)	Laeq (15min)		dB(A) for	dB(A) for	targets	
		monitoring				month	month	dB(A)	
									Highest LAeq15min value of 73 dB due to general construction noise in line with predicted 74 dB
Livingstone Rd, Marrickville	2 days	Continuous	Υ	Laeg (15min)	dB	N/A	73	74	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.  Highest LAeq15min value of 70 dB due to a period of plane passing. Predicted 72 dB sound pressure
									level . AA provided to residents.
Livingstone Rd, Marrickville	3 nights	Continuous	Υ	Laeq (15min)	dB	N/A	70	72	Predictions validated. No exceedance identified due to construction activities.
					]				LAeq15min generally below predictions. Average LAeq15min between 6pm - 7am of 59 dB.
									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
Jack Shanahan	2 days & 3 nights	Continuous	v	Laeq (15min)	dB	N/A	51	74	below predictions.
Jack Shahahah	2 days & 5 mgms	Continuous		Lucy (1511111)	ub	14/7	51	/ -	Predictions validated. No exceedance identified due to construction activities.
									LAeq15min generally below predictions. Average LAeq15min between 7am - 6pm of 51 dB.
									Highest LAeq15min value of 59 dB due to excavators and general construction below predicted value
The Parade	3 nights	Continuous	Υ	Laeq (15min)	dB	N/A	59	67	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.
									With the A. A. S. William of S. A. D. Harris and S. A. H. L. L. S. C. A. D. L. L. S. C. L. S.
									Highest LAeq15min value of 57 dB due to excavator works well below predicted value of 71 dB sound
The Parade	2 days	Continuous	Υ	Laeq (15min)	dB	N/A	57	71	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.
									LACQISMIN generally below predictions. Average LACQISMIN between 7am - 6pm of 50 db.
									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
Melford Rd	3 nights	Continuous	v	Laeg (15min)	dB	N/A	56	68	offered for all nights, however the first night works were cancelled, due to late isolation.
Wichord Na	5 mgmc	continuous		Lucy (1511111)	ub	14/7	50	00	Predictions validated. No exceedance identified due to construction activities.
									LAeq15min generally below predictions. Average LAeq15min between 6pm - 7am of 48 dB.
									Highest LAeq15min value of 63 dB due to hammering works prediction of 64dB sound pressure level.
Melford Rd	2 4	Continuous	v	1 (4 F !- )	dB	N/A	63	64	Noise levels were nearing 60 dB for an hour period. Residents provided respite.
Mellora Ra	2 days	Continuous	Ť	Laeq (15min)	uв	N/A	03	64	Predictions validated. No exceedance identified due to construction activities.
									LAeq15min generally below predictions. Average LAeq15min between 7am - 6pm of 53 dB.
									Highest LAeq15min value of 53 dB due to hammering works below predicted 70dB sound pressure
									level. RO was offered.
Church St Footbridge	2 days	Continuous	Y	Laeq (15min)	dB	N/A	53	70	Predictions validated. No exceedance identified due to construction activities.
									LAeq15min generally below predictions. Average LAeq15min between 7am - 6pm of 44 dB.
									Highest LAeq15min value of 51 dB due to construction activities below predicted value of 64 dB
Charach Ch Facathaidea	2 - ! -   -	C	V	1 (45 !-)	dB		51	64	sound pressure level.
Church St Footbridge	3 nights	Continuous	Y	Laeq (15min)	ав	N/A	51	64	Predictions validated. No exceedance identified due to construction activities.
									LAeq15min generally below predictions. Average LAeq15min between 6pm - 7am of 43 dB.
									Highest LAeq15min value of 70 dB due to construction activities below predicted value of 71 dB
1					1				sound pressure level. Period of high noise extended for 60 minutes from 5am - 6am . AA was offered
8 Broughton St, Canterbury	3 nights	Continuous	v	Laeq (15min)	dB	N/A	70	71	friday, saturday and sunday night.
o broagitton st, canterbury	J IIIgiris	Continuous		Lucy (1511111)	45		, ,	/ <del>-</del>	Predictions validated. No exceedance identified due to construction activities.
1									LAeq15min generally below predictions with 60 minute peak periods. Average LAeq15min between
				ļ					6pm - 7am of 60 dB.
									Highest LAeq15min value of 68 dB due to construction activities below predicted value of 70 dB
					1				sound pressure level. Period of high noise extended for 60 minutes from 5pm - 6pm on Saturday and
	L.				l	l		L	Sunday; expected from workers returning to compound. Residents provided respite for saturday and
8 Broughton St, Canterbury	2 days	Continuous	Y	Laeq (15min)	dB	N/A	68	70	sunday with LAeq15min 20 dB above RBL. Predictions validated.
									No exceedance identified due to construction activities.
1					1				LAeq15min generally below predictions. Average LAeq15min between 7am - 6pm of 60 dB.
	1		l	l	l	l		l	

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	Υ	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 Firday 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	Υ	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 occuring 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 occuring 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 2:00 - 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	Υ	Laeq (15min)	dB	N/A	54	66	Parrallel monitoring with Site Hive HEX14. ID# L710
Sth side of Church St bridge	1	Attended	Υ	Laeq (15min)	dB	N/A	57	68	Parrallel monitoring with Site Hive HEX30. ID# L712.

Vibration Monitoring Data - Monthly Summary												
Month and Year	May 2022								Tours			
Project	Sydenham Metro upgrade								LAING GROURKE JOHN			
EPL Licence No.	21147								НОЕЕЖИВ			
EPL Weblink	https://apps.epa.nsw.gov.a	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&id=21147&option=licence&searchrange=licence⦥=POEO%20licence&prp=no&status=Issuec										
Specific EPL monitoring conditions	M7.2 - Vibration monitoring	M7.2 - Vibration monitoring										
Monitoring Location	Number of times	Attended or continuous	Event based	Parameter	Unit	Minimum	Maximum		Comment			
	monitored during the	monitoring	monitoring (Y/N)	eg.PPV		value for	value for	Goals/Targets				
	month					month	month					
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			