



Water Monitoring Data - Monthly Summary

Month and Year	May 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	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	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	May 2024	 	
Project	Sydenham Metro upgrade		
EPL license 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		

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 - HEX515) Adjacent to 29 & 31 Leofrene Ave back wall, Marrickville Continues Monitoring	4/05/2024 To 5/05/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	<ul style="list-style-type: none"> Excavators 3T, 6 and 13T (inc jack hammer attachments) Balloon tyre dump trucks (Hydrema) Light vehicles Trucks Payloader Handheld powered and non-powered tools Vac Trucks EWPs/telehandler Front-end loader Concrete truck and line pump Portable Generators Compressors Compactor Bogie Water pumps 4T Dump Site lights 	52	57	YES	<ul style="list-style-type: none"> RBL: 33 LAeq15min below predictions. Noise monitor detect highest LAeq15min value of 52 dB due to general construction noise between the hours 22:00 to 07:00. The Highest LAeq in work period (52 dB) is lower than the predicted level (57 dB) Predicted noise levels (Night shift works) in this area triggered offers for Respite.
2	Location b (NCA01 - HEX351) 12m NW of 17 Warburton St, Marrickville Continues Monitoring					51	66	YES	<ul style="list-style-type: none"> RBL: 33 LAeq15min matched predictions. Noise monitor detect highest LAeq15min value of 51 dB due to general construction noise between the hours 22:00 to 07:00. The Highest LAeq in work period (66 dB) matches the predicted level (51 dB) Predicted noise levels (Night shift works) in this area triggered offers for Respite.
3	Location c (NCA02 - HEX514) 12m N of 1 Ewart Ln, Dulwich Hill Continues Monitoring					57	54	YES	<ul style="list-style-type: none"> RBL: 33 LAeq15min is above the predictions. No JHLOR construction activity within 200m radius. Noise monitor detect highest LAeq15min value of 57 dB due to ARTC re-railing noise between the hours 22:00 to 07:00. The Highest LAeq in work period (57 dB) is higher than the predicted level (54 dB) Predicted noise levels (Night shift works) in this area triggered offers for Respite. Actual Noise level (Nightshift works) consistent with the predicted offers for Respite No additional mitigation measures required.
4	Location d (NCA02 - HEX516) 11m N of 81 Ewart St, Dulwich Hill Continues Monitoring					50	63	YES	<ul style="list-style-type: none"> RBL: 33 LAeq15min below predictions. Noise monitor detect highest LAeq15min value of 63 dB due to general construction noise between the hours 22:00 to 07:00. The Highest LAeq in work period (63 dB) is lower than the predicted level (69 dB) Predicted noise levels (Night shift works) in this area triggered offers for Respite.
5	Location e (NCA03 - HEX312) 20m N of 5 Railway St, Hurlstone Park Continues Monitoring					57	54	YES	<ul style="list-style-type: none"> RBL: 34 LAeq15min above the predictions. No JHLOR construction activity within 200m radius. Noise monitor detect highest LAeq15min value of 57 dB not related to general construction noise between the hours 22:00 to 07:00. The Highest LAeq in work period (57 dB) is higher than the predicted level (54 dB) Predicted noise levels (Night shift works) in this area triggered offers for Respite. Actual Noise level (Nightshift works) consistent with the predicted offers for Respite No additional mitigation measures required.
6	Location f (NCA06 - HEX513) 20m S of 36 Campsie St, Campsie Continues Monitoring					55	68	YES	<ul style="list-style-type: none"> RBL: 35 LAeq15min below predictions. Noise monitor detect highest LAeq15min value of 55 dB due to general construction noise between the hours 22:00 to 07:00. The Highest LAeq in work period (55 dB) is lower than the predicted level (68 dB) Predicted noise levels (Night shift works) in this area triggered offers for Respite.
7	Location g (NCA07 - HEX505) 5m E of 1 Hall St, Belmore Continues Monitoring					62	69	YES	<ul style="list-style-type: none"> RBL: 35 LAeq15min below predictions. Noise monitor detect highest LAeq15min value of 62 dB due to general construction noise between the hours 22:00 to 07:00. The Highest LAeq in work period (62 dB) is lower than the predicted level (69 dB) Predicted noise levels (Night shift works) in this area triggered offers for Respite.
8	Location h (NCA12 - HEX519) 86m NW of 2 A West Terrace, Bankstown Continues Monitoring					60	71	YES	<ul style="list-style-type: none"> RBL: 42 LAeq15min below predictions. Noise monitor detect highest LAeq15min value of 60 dB due to general construction noise between the hours 22:00 to 07:00. The Highest LAeq in work period (60 dB) is lower than the predicted level (71 dB) Predicted noise levels (Night shift works) in this area triggered offers for Respite.

Reference Number	Monitoring Location (Catchment, Type & Address)	Date	Period	Construction Activities	Main source of noise	Highest LAeq in work period at Monitoring Location (dBA)	Predicted noise level LAeq,15min at resident (dBA)	Compliant	Comments
1	NCA 12 Bankstown <ul style="list-style-type: none"> Continuous Monitoring Location: 25m east of West Terrace Rail Bridge 6m south of track 20/05/2024 18:00 to 21/05/2024 07:00 	20/05/2024 To 21/05/2024	Night 22:00 to 7:00	Measuring dimensions of Security Fence infill panels on West Terrace Rail Bridge balustrade	<ul style="list-style-type: none"> Light vehicles EWP/telehandler Site Lights 	61	62	Yes	<ul style="list-style-type: none"> RBL: 42 LAeq15min at monitoring location was below predictions. Noise monitor detect highest LAeq15min value of 61 dB due to general construction noise between the hours of 22:00 and 07:00. The Highest LAeq in work period (61 dB) is lower than the predicted level (62 dB) Predicted noise levels in this area did not trigger offers for Respite (RO).

Reference Number	Monitoring Location (Catchment, Type & Address)	Date	Period	Construction Activities	Main source of noise	Highest LAeq,15min in work period at Monitoring Location (dBA)	Predicted noise level LAeq,15min at resident (dBA)	Compliant	Comments
1	NCA 12 Bankstown <ul style="list-style-type: none"> Continuous Monitoring Location: 25m east of West Terrace Rail Bridge 6m south of track 	27/05/2024 To 28/05/2024	Night 22:00 to 7:00	<ul style="list-style-type: none"> Installation of Security Fence on West Terrace Rail Bridge balustrade 	<ul style="list-style-type: none"> Light vehicles EWP/telehandler Powered hand tool Site Lights 	60	70	Yes	<ul style="list-style-type: none"> RBL: 42 Noise monitoring location is 25m from working location. Nearest sensitive receiver's façade is 40m from working location. LAeq15min at monitoring location was below predictions at the nearest sensitive receiver. Noise monitor detect highest LAeq15min value of 60 dB NOT related to general construction noise between the hours of 22:00 and 07:00. The Highest LAeq in work period (60 dB) is lower than the predicted level (70 dB) Predicted noise levels in this area triggered offers for Respite (RO).
2		28/05/2024 To 29/05/2024	Night 22:00 to 7:00	<ul style="list-style-type: none"> Installation of Security Fence on West Terrace Rail Bridge balustrade Cable pulling from Bankstown Station to Stacey Street inside corridor 	<ul style="list-style-type: none"> Light vehicles EWP/telehandler Powered hand tool Site Lights 2T Wrench 	61	71	Yes	<ul style="list-style-type: none"> RBL: 42 Noise monitoring location is 25m from working location. Nearest sensitive receiver's façade is 40m from working location. LAeq15min at monitoring location was below predictions at the nearest sensitive receiver. Noise monitor detect highest LAeq15min value of 61 dB NOT related to general construction noise between the hours of 22:00 and 07:00. The Highest LAeq in work period (61 dB) is lower than the predicted level (70 dB) Predicted noise levels in this area triggered offers for Respite (RO).
3		29/05/2024 To 30/05/2024	Night 22:00 to 7:00	<ul style="list-style-type: none"> Installation of Security Fence on West Terrace Rail Bridge balustrade Cable pulling from Bankstown Station to Stacey Street inside corridor 	<ul style="list-style-type: none"> Light vehicles EWP/telehandler Powered hand tool Site Lights 2T Wrench 	61	71	Yes	<ul style="list-style-type: none"> RBL: 42 Noise monitoring location is 25m from working location. Nearest sensitive receiver's façade is 40m from working location. LAeq15min at monitoring location was below predictions at the nearest sensitive receiver. Noise monitor detect highest LAeq15min value of 61 dB NOT related to general construction noise between the hours of 22:00 and 07:00. The Highest LAeq in work period (61 dB) is lower than the predicted level (70 dB) Predicted noise levels in this area triggered offers for Respite (RO).
4		30/05/2024 To 31/05/2024	Night 22:00 to 7:00	<ul style="list-style-type: none"> Cable pulling from Bankstown Station to Stacey Street inside corridor 	<ul style="list-style-type: none"> Light vehicles Site Lights 2T Wrench 	60 ¹	38	Yes	<ul style="list-style-type: none"> RBL: 42 Background highest LAeq15min value during the night period (22:00-07:00) without construction activity is consistently around 60 dBA.¹ As the construction activities were significantly far away from the monitor to have no impact, the noise model predicted noise levels lower than the RBL. The exceedance was considered not to be influenced by construction activities. Predicted noise levels (weekend works) near this area do not trigger offers for Respite. Actual noise levels (weekend works) in this area do not trigger offers for Respite.

Vibration Monitoring Data - Monthly Summary										
Month and Year	May 2024		<div><div>LAING O'Rourke</div><div>JOHN HOLLAND</div></div>							
Project	Sydenham Metro upgrade									
EPL license 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	
South West Metro Corridor									No activities requiring vibration monitoring	