

Water Monitoring Data - Monthly Summary									
Month and Year	November 2024		<div><div></div></div>					<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		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									No activities requiring water monitoring

Noise Monitoring Data - Monthly Summary			
Month and Year	November 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		



Table 1. Monitoring Location A: NCA 07 - (HEX531) 4m E of 1 Hall St, Belmore

Reference Number	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	19/10/2024 To 20/10/2024	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 vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane	64	71	YES	<ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
2	20/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			69	71		<ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
3	20/10/2024 To 21/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			50	71		<ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
4	21/10/2024 To 22/10/2024				No Work Within 200m			
5	22/10/2024 To 23/10/2024				No Work Within 200m			
6	23/10/2024 To 24/10/2024				No Work Within 200m			
7	24/10/2024 To 25/10/2024				63	66	YES	<ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
8	25/10/2024 To 26/10/2024				52	66		<ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
9	26/10/2024 To 27/10/2024				No Work Within 200m			
10	27/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			51	71	YES	<ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
11	27/10/2024 To 28/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			No Work Within 200m			
12	28/10/2024 To 29/10/2024				No Work Within 200m			
13	29/10/2024 To 30/10/2024				No Work Within 200m			
14	30/10/2024 To 31/10/2024				No Work Within 200m			
15	31/10/2024 To 01/11/2024				No Work Within 200m			
16	01/11/2024 To 02/11/2024				No Work Within 200m			
17	02/11/2024 To 03/11/2024				61	72	YES	<ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
18	03/11/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			69	71		<ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
19	03/11/2024 To 04/11/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			66	72		<ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered

Table 2. Monitoring Location B: NCA 08 - (HEX328) 26m S of 27 Dennis St, Lakemba

Reference Number	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	19/10/2024 To 20/10/2024	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 vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWPs/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpSite lightsMobile Crane	No Work Within 200m					
2	20/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 70Excluding the following non-construction related event being identified:<ul style="list-style-type: none">20/10/2024 13:45 Urban Siren 5620/10/2024 15:15 Animal Activity 6220/10/2024 15:30 Animal Activity 5620/10/2024 16:45 Animal Activity 7020/10/2024 17:00 Urban Traffic 5720/10/2024 18:15 Urban Siren 56Construction related LAeq in period at Monitoring Location is 55	55	YES	<ul style="list-style-type: none">RBL: 47 dBANoise monitor detect highest LAeq15min value related to construction matched predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered		
3	20/10/2024 To 21/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			No Work Within 200m					
4	21/10/2024 To 22/10/2024									
5	22/10/2024 To 23/10/2024									
6	23/10/2024 To 24/10/2024									
7	24/10/2024 To 25/10/2024									
8	25/10/2024 To 26/10/2024									
9	26/10/2024 To 27/10/2024									
10	27/10/2024									Day 08:00 to 18:00 & Evening 18:00 to 22:00
11	27/10/2024 To 28/10/2024									Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)
12	28/10/2024 To 29/10/2024									
13	29/10/2024 To 30/10/2024									
14	30/10/2024 To 31/10/2024									
15	31/10/2024 To 01/11/2024									
16	01/11/2024 To 02/11/2024									
17	02/11/2024 To 03/11/2024									
18	03/11/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00								
19	03/11/2024 To 04/11/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)								

Table 3. Monitoring Location C: NCA 10 - (HEX421) 65m S of 37 Urunga Parade, Punchbowl

Reference Number	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	19/10/2024 To 20/10/2024	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 vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane	<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 56Excluding the following non-construction related event being identified:<ul style="list-style-type: none">19/10/2024 22:30 Urban Traffic 5619/10/2024 23:15 Urban Traffic 5520/10/2024 0:45 Urban Traffic 5520/10/2024 6:30 Urban Traffic 55Construction related LAeq in period at Monitoring Location is 53	53	Yes	<ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value related to construction matched predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
2	20/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 63Due to the monitoring location being 11 m from the source of the noise and sensitive receiver being 54 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 49.	53		<ul style="list-style-type: none">RBL: 47 dBAThe calculated construction related highest LAeq in work period (49 dBA) is lower than the predicted level (53 dBA)Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
3	20/10/2024 To 21/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 58Excluding the following non-construction related event being identified:<ul style="list-style-type: none">21/10/2024 1:00 Aircraft 5821/10/2024 6:15 Urban Traffic 5521/10/2024 6:30 Urban Traffic 5421/10/2024 6:45 Urban Traffic 57Construction related LAeq in period at Monitoring Location is 54Due to the monitoring location being 11 m from the source of the noise and sensitive receiver being 54 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 40.	53		<ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period (40 dBA) is lower than the predicted level (53 dBA).Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
4	21/10/2024 To 22/10/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 59Excluding the following non-construction related event being identified:<ul style="list-style-type: none">21/10/2024 23:30 Urban Traffic 59Construction related LAeq in period at Monitoring Location is 56Due to the monitoring location being 11 m from the source of the noise and sensitive receiver being 54 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 42.	53	<ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period (42 dBA) is lower than the predicted level (53 dBA).Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered	
5	22/10/2024 To 23/10/2024				No Work Within 200m			
6	23/10/2024 To 24/10/2024				No Work Within 200m			
7	24/10/2024 To 25/10/2024				58	63	Yes	<ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
8	25/10/2024 To 26/10/2024				56	63		
9	26/10/2024 To 27/10/2024				No Work Within 200m			
10	27/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			62	62	Yes	<ul style="list-style-type: none">RBL: 47 dBANoise monitor detect highest LAeq15min value matches predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
11	27/10/2024 To 28/10/2024	No Work Within 200m						
12	28/10/2024 To 29/10/2024	No Work Within 200m						
13	29/10/2024 To 30/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			55	63	Yes	<ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
14	30/10/2024 To 31/10/2024				55	63		
15	31/10/2024 To 01/11/2024				55	63		
16	01/11/2024 To 02/11/2024				60	63		
17	02/11/2024 To 03/11/2024				62	63		
18	03/11/2024				60	62		
19	03/11/2024 To 04/11/2024				56	63		

Table 4. Monitoring Location D: NCA 12 - (HEX516) 135m NW of 196 South Terrace, Bankstown

Reference Number	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	19/10/2024 To 20/10/2024	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 vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWPs/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpSite lightsMobile Crane	No Work Within 200m			
2	20/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00						
3	20/10/2024 To 21/10/2024							
4	21/10/2024 To 22/10/2024							
5	22/10/2024 To 23/10/2024							
6	23/10/2024 To 24/10/2024							
7	24/10/2024 To 25/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 67Excluding the following non-construction related event being identified:<ul style="list-style-type: none">24/10/2024 22:45 Urban Traffic 6425/10/2024 6:00 Urban Traffic 6425/10/2024 6:15 Urban Traffic 6725/10/2024 6:30 Urban Traffic 64Construction related LAeq in period at Monitoring Location is 63Due to the monitoring location being 13 m from the source of the noise and sensitive receiver being 128 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 43.	51	Yes	<ul style="list-style-type: none">RBL: 42 dBAThe calculated construction related highest LAeq in work period (43 dBA) is lower than the predicted level (51 dBA).Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
8	25/10/2024 To 26/10/2024				No Work Within 200m			
9	26/10/2024 To 27/10/2024							
10	27/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00						
11	27/10/2024 To 28/10/2024							
12	28/10/2024 To 29/10/2024							
13	29/10/2024 To 30/10/2024	Night 22:00 to 7:00						
14	30/10/2024 To 31/10/2024	(Modeled from 18:00 to 7:00)						
15	31/10/2024 To 01/11/2024							
16	01/11/2024 To 02/11/2024							
17	02/11/2024 To 03/11/2024							
18	03/11/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00						
19	03/11/2024 To 04/11/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)						

Table 5. Monitoring Location E: NCA 12 - (HEX618) 40m NW of 2 West Terrace, Bankstown

Reference Number	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	19/10/2024 To 20/10/2024	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 vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWPP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane	No Work Within 200m			
2	20/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 69Excluding the following non-construction related event being identified: 20/10/2024 21:45 Urban Traffic 69Construction related LAeq in period at Monitoring Location is 67	67	Yes	<ul style="list-style-type: none">RBL: 54 dBANoise monitor detect highest LAeq15min value related to construction matched predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
3	20/10/2024 To 21/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			No Work Within 200m			
4	21/10/2024 To 22/10/2024				No Work Within 200m			
5	22/10/2024 To 23/10/2024				No Work Within 200m			
6	23/10/2024 To 24/10/2024				No Work Within 200m			
7	24/10/2024 To 25/10/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 67Excluding the following non-construction related event being identified: 25/10/2024 5:45 Urban Traffic 62 25/10/2024 6:00 Urban Traffic 64 25/10/2024 6:15 Urban Traffic 65 25/10/2024 6:30 Urban Traffic 63 25/10/2024 6:45 Urban Traffic 62Construction related LAeq in period at Monitoring Location is 62Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 46 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 44.	53	Yes	<ul style="list-style-type: none">RBL: 42 dBAThe calculated construction related highest LAeq in work period (44 dBA) is lower than the predicted level (53 dBA).Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
8	25/10/2024 To 26/10/2024				No Work Within 200m			
9	26/10/2024 To 27/10/2024	No Work Within 200m						
10	27/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 70Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 46 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 52.	69	Yes	<ul style="list-style-type: none">RBL: 54 dBAThe calculated construction related highest LAeq in work period (52 dBA) is lower than the predicted level (69 dBA).Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
11	27/10/2024 To 28/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			No Work Within 200m			
12	28/10/2024 To 29/10/2024				No Work Within 200m			
13	29/10/2024 To 30/10/2024				No Work Within 200m			
14	30/10/2024 To 31/10/2024				No Work Within 200m			
15	31/10/2024 To 01/11/2024				No Work Within 200m			
16	01/11/2024 To 02/11/2024				No Work Within 200m			
17	02/11/2024 To 03/11/2024				No Work Within 200m			
18	03/11/2024				Day 08:00 to 18:00 & Evening 18:00 to 22:00	No Work Within 200m		
19	03/11/2024 To 04/11/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			No Work Within 200m			

Table 6. Monitoring Location F: NCA 01 - (HEX630) 25m NE of 29 Leofrene Ave, Marrickville.

Reference Number	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	19/10/2024 To 20/10/2024	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 vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane	No Work Within 200m			
2	20/10/2024	Day 08:00 to 18:00 Evening 18:00 to 22:00						
3	20/10/2024 To 21/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)						
4	21/10/2024 To 22/10/2024							
5	22/10/2024 To 23/10/2024							
6	23/10/2024 To 24/10/2024							
7	24/10/2024 To 25/10/2024							
8	25/10/2024 To 26/10/2024							
9	26/10/2024 To 27/10/2024							
10	27/10/2024	Day 08:00 to 18:00 Evening 18:00 to 22:00						
11	27/10/2024 To 28/10/2024							
12	28/10/2024 To 29/10/2024		<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified: 29/10/2024 1:30 ARTC Train 68 29/10/2024 5:00 ARTC Train 71Construction related LAeq in period at Monitoring Location is 66Due to the monitoring location being 10 m from the source of the noise and sensitive receiver being 15 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 62.		<ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (62 dBA) is higher than the predicted level (58 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Actual noise levels (Night shift works) in this area did not trigger offers above the Respite limit.No further additional mitigation measures required.			
13	29/10/2024 To 30/10/2024		<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 68Excluding the following non-construction related event being identified: 30/10/2024 4:30 ARTC Train 68 30/10/2024 8:15 ARTC Train 67Construction related LAeq in period at Monitoring Location is 67Due to the monitoring location being 10 m from the source of the noise and sensitive receiver being 15 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 63.		<ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (63 dBA) is higher than the predicted level (58 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Actual noise levels (Night shift works) in this area did not trigger offers above the Respite limit.No further additional mitigation measures required.			
14	30/10/2024 To 31/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified: 30/10/2024 22:15 ARTC Train 71 31/10/2024 0:00 ARTC Train 68 31/10/2024 0:15 ARTC Train 68 31/10/2024 1:45 ARTC Train 69 31/10/2024 5:45 ARTC Train 67Construction related LAeq in period at Monitoring Location is 67Due to the monitoring location being 10 m from the source of the noise and sensitive receiver being 15 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 63.	58	Yes	<ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (63 dBA) is higher than the predicted level (58 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Actual noise levels (Night shift works) in this area did not trigger offers above the Respite limit.No further additional mitigation measures required.		
15	31/10/2024 To 01/11/2024		<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 69Excluding the following non-construction related event being identified: 31/10/2024 23:30 ARTC Train 64 1/11/2024 1:45 ARTC Train 65 1/11/2024 2:00 ARTC Train 67 1/11/2024 2:30 ARTC Train 64 1/11/2024 3:30 ARTC Train 66 1/11/2024 4:45 ARTC Train 63 1/11/2024 5:15 ARTC Train 69 1/11/2024 6:30 ARTC Train 65Construction related LAeq in period at Monitoring Location is 63Due to the monitoring location being 10 m from the source of the noise and sensitive receiver being 15 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 59.			<ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (59 dBA) is higher than the predicted level (58 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Actual noise levels (Night shift works) in this area did not trigger offers above the Respite limit.No further additional mitigation measures required.		

Table 7. Monitoring Location G: NCA 02 - (HEX623) 11m N of 51A Ewart Lane, Dulwich Hill

Reference Number	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	19/10/2024 To 20/10/2024	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 vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEW/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane	No Work Within 200m			
2	20/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			63	76	Yes	<ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
3	20/10/2024 To 21/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			No Work Within 200m			
4	21/10/2024 To 22/10/2024							
5	22/10/2024 To 23/10/2024							
6	23/10/2024 To 24/10/2024							
7	24/10/2024 To 25/10/2024							
8	25/10/2024 To 26/10/2024							
9	26/10/2024 To 27/10/2024							
10	27/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			63	76	Yes	<ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
11	27/10/2024 To 28/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			No Work Within 200m			
12	28/10/2024 To 29/10/2024							
13	29/10/2024 To 30/10/2024							
14	30/10/2024 To 31/10/2024							
15	31/10/2024 To 01/11/2024							
16	01/11/2024 To 02/11/2024							
17	02/11/2024 To 03/11/2024							
18	03/11/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			73	76	Yes	<ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
19	03/11/2024 To 04/11/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			No Work Within 200m			

Table 8. Monitoring Location H: NCA 02 - (HEX649) 11m N of 81 Ewart Street, Dulwich Hill

Reference Number	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	19/10/2024 To 20/10/2024	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 vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane																									
2	20/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 66Excluding the following non-construction related event being identified:<table><tr><td>20/10/2024 7:45</td><td>ARTC Train</td><td>73</td></tr><tr><td>20/10/2024 7:45</td><td>ARTC Train</td><td>73</td></tr><tr><td>20/10/2024 18:30</td><td>ARTC Train</td><td>71</td></tr><tr><td>20/10/2024 18:45</td><td>ARTC Train</td><td>71</td></tr><tr><td>20/10/2024 19:00</td><td>ARTC Train</td><td>76</td></tr><tr><td>20/10/2024 19:30</td><td>ARTC Train</td><td>72</td></tr><tr><td>20/10/2024 20:00</td><td>ARTC Train</td><td>69</td></tr></table>Construction related LAeq in period at Monitoring Location is 69Due to the monitoring location being 7 m from the source of the noise and sensitive receiver being 18 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 61.	20/10/2024 7:45	ARTC Train	73	20/10/2024 7:45	ARTC Train	73	20/10/2024 18:30	ARTC Train	71	20/10/2024 18:45	ARTC Train	71	20/10/2024 19:00	ARTC Train	76	20/10/2024 19:30	ARTC Train	72	20/10/2024 20:00	ARTC Train	69	63	Yes	<ul style="list-style-type: none">RBL: 38 dBAThe calculated construction related highest LAeq in work period (61 dBA) is lower than the predicted level (63 dBA).Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
20/10/2024 7:45	ARTC Train	73																											
20/10/2024 7:45	ARTC Train	73																											
20/10/2024 18:30	ARTC Train	71																											
20/10/2024 18:45	ARTC Train	71																											
20/10/2024 19:00	ARTC Train	76																											
20/10/2024 19:30	ARTC Train	72																											
20/10/2024 20:00	ARTC Train	69																											
3	20/10/2024 To 21/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)																											
4	21/10/2024 To 22/10/2024																												
5	22/10/2024 To 23/10/2024																												
6	23/10/2024 To 24/10/2024																												
7	24/10/2024 To 25/10/2024																												
8	25/10/2024 To 26/10/2024																												
9	26/10/2024 To 27/10/2024																												
10	27/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00																											
11	27/10/2024 To 28/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)																											
12	28/10/2024 To 29/10/2024																												
13	29/10/2024 To 30/10/2024																												
14	30/10/2024 To 31/10/2024																												
15	31/10/2024 To 01/11/2024																												
16	01/11/2024 To 02/11/2024																												
17	02/11/2024 To 03/11/2024																												
18	03/11/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00	<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 78An Excavator identified idling adjacent to the noise monitorDue to the monitoring location being 2 m from the source of the noise and sensitive receiver being 7.5 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 61.	68	Yes	<ul style="list-style-type: none">RBL: 38 dBAThe calculated construction related highest LAeq in work period (61 dBA) is lower than the predicted level (68 dBA).Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered																							
19	03/11/2024 To 04/11/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)																											

Table 9. Monitoring Location I: NCA 01 – (HEX615) 10m NE from 17 Warburton St, Marrickville

Reference Number	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	3/11/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00	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 vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWPholehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpSite lightsMobile Crane	63	64		<ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered

Table 10. Monitoring Location J: NCA 05 – (HEX631) 18m S from 32-24 Campsie St, Campsie

Reference Number	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	3/11/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00	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 vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWPholehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpSite lightsMobile Crane	<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 50Excluding the following non-construction related event being identified: 3/11/2024 7:45 ARTC Train 65 3/11/2024 12:30 Human Activity 71 3/11/2024 14:00 ARTC Train 65 3/11/2024 18:30 ARTC Train 66 3/11/2024 21:00 ARTC Train 64Construction related LAeq in period at Monitoring Location is 61	63		<ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered

Reference Number	Monitoring Location (Address)	Attended or Continuous	Weather	Date	Time (hrs)	Construction Activities	Main source of noise	Highest LAeq 15min in work period	Period	Predicted noise level LAeq,15min	Compliant	Comments
1	North wall of 30 Hogan Ave	Attended	Good	07/11/2024	22:15 to 22:30	Road surface grinding Line remarking	Skid-steer loader with grinder attachment	72	Night	77	Yes	RBL: 42 Highest LAeq15min value of 72 dBA due to general construction noise between the hours of 22:15 to 22:30 as approved in the ROL. Prediction of LAeq15min 77dBA validated. Respite and alternate accommodation provided to residents.
2					22:36 to 22:51	CCTV Jetting	Vacuum Truck	76				RBL: 42 Highest LAeq15min value of 76 dBA due to general construction noise between the hours of 22:36 to 22:51 as approved in the ROL. Prediction of LAeq15min 77dBA validated. Respite and alternate accommodation provided to residents.

Table 1. Monitoring Location A: NCA 01 - (HEX630) 25m NE of 29 Leofrene Ave, Marrickville.

Reference Number	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	04/11/2024 To 05/11/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities		<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 69Excluding the following non-construction related event being identified:<table><tr><td>4/11/2024 22:30</td><td>67</td><td>ARTC Train</td></tr><tr><td>4/11/2024 23:15</td><td>62</td><td>ARTC Train</td></tr><tr><td>5/11/2024 0:00</td><td>65</td><td>ARTC Train</td></tr><tr><td>5/11/2024 0:30</td><td>68</td><td>ARTC Train Horn</td></tr><tr><td>5/11/2024 0:45</td><td>65</td><td>ARTC Train</td></tr><tr><td>5/11/2024 1:15</td><td>62</td><td>ARTC Train</td></tr><tr><td>5/11/2024 1:30</td><td>62</td><td>ARTC Train</td></tr><tr><td>5/11/2024 2:00</td><td>61</td><td>ARTC Train</td></tr><tr><td>5/11/2024 2:15</td><td>61</td><td>ARTC Train</td></tr><tr><td>5/11/2024 2:30</td><td>66</td><td>ARTC Train</td></tr><tr><td>5/11/2024 4:30</td><td>65</td><td>ARTC Train</td></tr><tr><td>5/11/2024 5:45</td><td>67</td><td>ARTC Train</td></tr><tr><td>5/11/2024 6:30</td><td>69</td><td>ARTC Train</td></tr></table>Construction related LAeq in period at Monitoring Location is 61	4/11/2024 22:30	67	ARTC Train	4/11/2024 23:15	62	ARTC Train	5/11/2024 0:00	65	ARTC Train	5/11/2024 0:30	68	ARTC Train Horn	5/11/2024 0:45	65	ARTC Train	5/11/2024 1:15	62	ARTC Train	5/11/2024 1:30	62	ARTC Train	5/11/2024 2:00	61	ARTC Train	5/11/2024 2:15	61	ARTC Train	5/11/2024 2:30	66	ARTC Train	5/11/2024 4:30	65	ARTC Train	5/11/2024 5:45	67	ARTC Train	5/11/2024 6:30	69	ARTC Train	65	Y	<ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value related to construction below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate mitigation measures being offered
4/11/2024 22:30	67			ARTC Train																																											
4/11/2024 23:15	62			ARTC Train																																											
5/11/2024 0:00	65			ARTC Train																																											
5/11/2024 0:30	68			ARTC Train Horn																																											
5/11/2024 0:45	65	ARTC Train																																													
5/11/2024 1:15	62	ARTC Train																																													
5/11/2024 1:30	62	ARTC Train																																													
5/11/2024 2:00	61	ARTC Train																																													
5/11/2024 2:15	61	ARTC Train																																													
5/11/2024 2:30	66	ARTC Train																																													
5/11/2024 4:30	65	ARTC Train																																													
5/11/2024 5:45	67	ARTC Train																																													
5/11/2024 6:30	69	ARTC Train																																													
2	05/11/2024 To 06/11/2024		<ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWPs/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane	66	65	Y	<ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value related to construction above predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Actual noise levels (Night shift works) in this area did not trigger offers above the Respite limit.Appropriate mitigation measures being offered..No further additional mitigation measures required.																																								
3	06/11/2024 To 07/11/2024			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 69Excluding the following non-construction related event being identified:<table><tr><td>6/11/2024 22:30</td><td>65</td><td>ARTC Train</td></tr><tr><td>6/11/2024 23:15</td><td>68</td><td>ARTC Train</td></tr><tr><td>7/11/2024 1:00</td><td>66</td><td>ARTC Train</td></tr><tr><td>7/11/2024 2:00</td><td>67</td><td>ARTC Train</td></tr><tr><td>7/11/2024 2:15</td><td>67</td><td>ARTC Train</td></tr><tr><td>7/11/2024 4:00</td><td>65</td><td>ARTC Train</td></tr><tr><td>7/11/2024 6:30</td><td>69</td><td>ARTC Train</td></tr></table>Construction related LAeq in period at Monitoring Location is 65	6/11/2024 22:30	65	ARTC Train	6/11/2024 23:15	68	ARTC Train	7/11/2024 1:00	66	ARTC Train	7/11/2024 2:00	67	ARTC Train	7/11/2024 2:15	67	ARTC Train	7/11/2024 4:00	65	ARTC Train	7/11/2024 6:30	69	ARTC Train	65	Y	<ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value related to construction matched predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate mitigation measures being offered																			
6/11/2024 22:30	65	ARTC Train																																													
6/11/2024 23:15	68	ARTC Train																																													
7/11/2024 1:00	66	ARTC Train																																													
7/11/2024 2:00	67	ARTC Train																																													
7/11/2024 2:15	67	ARTC Train																																													
7/11/2024 4:00	65	ARTC Train																																													
7/11/2024 6:30	69	ARTC Train																																													
4	07/11/2024 To 08/11/2024			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 73Excluding the following non-construction related event being identified:<table><tr><td>7/11/2024 22:15</td><td>67</td><td>ARTC Train</td></tr><tr><td>7/11/2024 23:15</td><td>65</td><td>ARTC Train</td></tr><tr><td>8/11/2024 0:30</td><td>67</td><td>ARTC Train</td></tr><tr><td>8/11/2024 1:00</td><td>68</td><td>ARTC Train</td></tr><tr><td>8/11/2024 1:45</td><td>64</td><td>ARTC Train</td></tr><tr><td>8/11/2024 4:45</td><td>73</td><td>ARTC Train</td></tr><tr><td>8/11/2024 5:45</td><td>66</td><td>ARTC Train</td></tr></table>Construction related LAeq in period at Monitoring Location is 61	7/11/2024 22:15	67	ARTC Train	7/11/2024 23:15	65	ARTC Train	8/11/2024 0:30	67	ARTC Train	8/11/2024 1:00	68	ARTC Train	8/11/2024 1:45	64	ARTC Train	8/11/2024 4:45	73	ARTC Train	8/11/2024 5:45	66	ARTC Train	65	Y	<ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value related to construction below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate mitigation measures being offered																			
7/11/2024 22:15	67	ARTC Train																																													
7/11/2024 23:15	65	ARTC Train																																													
8/11/2024 0:30	67	ARTC Train																																													
8/11/2024 1:00	68	ARTC Train																																													
8/11/2024 1:45	64	ARTC Train																																													
8/11/2024 4:45	73	ARTC Train																																													
8/11/2024 5:45	66	ARTC Train																																													
5	10/11/2024	Day 08:00 to 18:00			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<table><tr><td>10/11/2024 9:15</td><td>63</td><td>ARTC Train</td></tr><tr><td>10/11/2024 9:30</td><td>64</td><td>ARTC Train</td></tr><tr><td>10/11/2024 10:00</td><td>67</td><td>ARTC Train</td></tr><tr><td>10/11/2024 13:30</td><td>68</td><td>ARTC Train</td></tr><tr><td>10/11/2024 14:15</td><td>64</td><td>ARTC Train</td></tr><tr><td>10/11/2024 16:00</td><td>71</td><td>ARTC Train</td></tr><tr><td>10/11/2024 16:15</td><td>62</td><td>ARTC Train</td></tr><tr><td>10/11/2024 17:45</td><td>65</td><td>ARTC Train</td></tr></table>Construction related LAeq in period at Monitoring Location is 58	10/11/2024 9:15	63	ARTC Train	10/11/2024 9:30	64	ARTC Train	10/11/2024 10:00	67	ARTC Train	10/11/2024 13:30	68	ARTC Train	10/11/2024 14:15	64	ARTC Train	10/11/2024 16:00	71	ARTC Train	10/11/2024 16:15	62	ARTC Train	10/11/2024 17:45	65	ARTC Train	61	Y	<ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value related to construction below predictions.Predicted noise levels (Day shift works) in this area didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered															
10/11/2024 9:15	63	ARTC Train																																													
10/11/2024 9:30	64	ARTC Train																																													
10/11/2024 10:00	67	ARTC Train																																													
10/11/2024 13:30	68	ARTC Train																																													
10/11/2024 14:15	64	ARTC Train																																													
10/11/2024 16:00	71	ARTC Train																																													
10/11/2024 16:15	62	ARTC Train																																													
10/11/2024 17:45	65	ARTC Train																																													

Table 2. Monitoring Location B: NCA 01 – (HEX615) 10m NE from 17 Warburton St, Marrickville

Reference Number	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	04/11/2024 To 05/11/2024	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 vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpSite lightsMobile Crane	64	69	Y	<ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
2	05/11/2024 To 06/11/2024				65	69	Y	
3	06/11/2024 To 07/11/2024				63	69	Y	
4	07/11/2024 To 08/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 70Excluding the following non-construction related event being identified: 7/11/2024 23:30 66 ARTC Train 8/11/2024 1:45 70 ARTC Train 8/11/2024 5:45 69 ARTC TrainConstruction related LAeq in period at Monitoring Location is 61	69	Y	<ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value related to construction below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
5	10/11/2024	Day 08:00 to 18:00			65	70	Y	<ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered

Table 3. Monitoring Location C: NCA 02 - (HEX623) 11m N of 51A Ewart Lane, Dulwich Hill.

Reference Number	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	04/11/2024 To 05/11/2024	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 vehiclesHandheld powered and non-powered tools	<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 57Excluding the following non-construction related event being identified: 5/11/2024 1:45 57 ARTC TrainConstruction related LAeq in period at Monitoring Location is 54	54	Y	<ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value related to construction below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
2	05/11/2024 To 06/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 58Due to the monitoring location being 20 m from the source of the noise and sensitive receiver being 32 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 53.	54	Y	<ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (53 dBA) is lower than the predicted level (54 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
3	06/11/2024 To 07/11/2024				57	65	Y	<ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
4	07/11/2024 To 08/11/2024				61	65	Y	
5	10/11/2024	Day 08:00 to 18:00			56	61	Y	<ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered

Table 4. Monitoring Location D: NCA 02 - (HEX649) 11m N of 81 Ewart Street, Dulwich Hill

Reference Number	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	04/11/2024 To 05/11/2024	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 vehiclesHandheld powered and non-powered tools	<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 73Excluding the following non-construction related event being identified:<ul style="list-style-type: none">5/11/2024 1:15 71 ARTC Train5/11/2024 1:45 71 ARTC Train5/11/2024 2:00 73 ARTC Train5/11/2024 5:30 71 ARTC Train5/11/2024 6:00 68 ARTC Train5/11/2024 6:30 71 ARTC TrainConstruction related LAeq in period at Monitoring Location is 68Due to the monitoring location being 8 m from the source of the noise and sensitive receiver being 33 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 53.	55	Y	<ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (53 dBA) is lower than the predicted level (55 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate mitigation measures being offered
2	05/11/2024 To 06/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<ul style="list-style-type: none">5/11/2024 23:00 69 ARTC Train6/11/2024 0:00 67 ARTC Train6/11/2024 0:45 71 ARTC Train6/11/2024 1:00 68 ARTC Train6/11/2024 1:15 70 ARTC Train6/11/2024 2:30 71 ARTC Train6/11/2024 4:45 69 ARTC TrainConstruction related LAeq in period at Monitoring Location is 67Due to the monitoring location being 8 m from the source of the noise and sensitive receiver being 33 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 52.	55	Y	<ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (52 dBA) is lower than the predicted level (55 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate mitigation measures being offered
3	06/11/2024 To 07/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 75Excluding the following non-construction related event being identified:<ul style="list-style-type: none">6/11/2024 23:15 70 ARTC Train6/11/2024 23:30 68 ARTC Train6/11/2024 23:45 63 ARTC Train7/11/2024 0:15 72 ARTC Train7/11/2024 0:45 72 ARTC Train7/11/2024 1:30 59 ARTC Train7/11/2024 2:00 71 ARTC Train7/11/2024 2:15 70 ARTC Train7/11/2024 2:30 68 ARTC Train7/11/2024 3:30 69 ARTC Train7/11/2024 4:00 75 ARTC Train7/11/2024 4:30 71 ARTC Train7/11/2024 5:15 64 ARTC Train7/11/2024 6:15 67 ARTC Train7/11/2024 6:30 70 Aircraft7/11/2024 6:45 57 ARTC TrainConstruction related LAeq in period at Monitoring Location is 51	54	Y	<ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value related to construction below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate mitigation measures being offered
4	07/11/2024 To 08/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 73Excluding the following non-construction related event being identified:<ul style="list-style-type: none">7/11/2024 22:15 71 ARTC Train7/11/2024 22:30 68 ARTC Train7/11/2024 23:00 66 ARTC Train7/11/2024 23:30 72 ARTC Train7/11/2024 23:45 67 ARTC Train8/11/2024 0:30 69 ARTC Train8/11/2024 0:45 68 ARTC Train8/11/2024 1:15 63 ARTC Train8/11/2024 1:30 66 ARTC Train8/11/2024 1:45 73 ARTC Train8/11/2024 2:30 61 ARTC Train8/11/2024 3:45 60 ARTC Train8/11/2024 4:45 68 ARTC Train8/11/2024 6:00 64 ARTC TrainConstruction related LAeq in period at Monitoring Location is 54	54	Y	
5	10/11/2024	Day 08:00 to 18:00			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 77Excluding the following non-construction related event being identified:<ul style="list-style-type: none">10/11/2024 9:45 62 ARTC Train10/11/2024 10:00 68 ARTC Train10/11/2024 12:45 68 ARTC Train10/11/2024 13:30 77 ARTC TrainConstruction related LAeq in period at Monitoring Location is 69Due to the monitoring location being 8 m from the source of the noise and sensitive receiver being 33 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 54.	62	Y	<ul style="list-style-type: none">RBL: 38 dBAThe calculated construction related highest LAeq in work period (54 dBA) is lower than the predicted level (62 dBA)Predicted noise levels (Day shift works) in this area didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered

Table 5. Monitoring Location E: NCA 07 - (HEX531) 4m E of 1 Hall St, Belmore.

Reference Number	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	10/11/2024	Day 08:00 to 18:00	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 vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWB/telehandlerFront-end loaderConcrete truck and line pumpBogieWater pumps4T DumpieMobile Crane	58	67	Y	<ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
2	17/11/2024				61	67	Y	

Table 6. Monitoring Location F: NCA 08 - (HEX328) 26m S of 27 Dennis St, Lakemba.

Reference Number	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	17/11/2024	Day 08:00 to 18:00	General track related construction activities	<ul style="list-style-type: none">TamperRegulatorRail grinderBalloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsExcavators 3T, 6 and 13T	62	66	Y	<ul style="list-style-type: none">RBL: 47 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered

Table 7. Monitoring Location G: NCA 10 - (HEX421) 65m S of 37 Urunga Parade, Punchbowl.

Reference Number	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	17/11/2024	Day 08:00 to 18:00	General track related construction activities	<ul style="list-style-type: none">TamperRegulatorRail grinderBalloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsExcavators 3T, 6 and 13T	<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 65Excluding the following non-construction related event being identified: 17/11/2024 8:30 65 Traffic HornConstruction related LAeq in period at Monitoring Location is 59	64	Y	<ul style="list-style-type: none">RBL: 47 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered

Table 1. Monitoring Location A: NCA 01 - (HEX630) 25m NE of 29 Leofrene Ave, Marrickville.

Reference Number	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	18/11/2024 To 19/11/2024	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 (Hydrama)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWPhlehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane	<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 70Excluding the following non-construction related event being identified:<table><tr><td>18/11/2024 22:15</td><td>70</td><td>ARTC Train</td></tr><tr><td>18/11/2024 23:15</td><td>63</td><td>ARTC Train</td></tr><tr><td>18/11/2024 23:30</td><td>53</td><td>ARTC Train</td></tr><tr><td>19/11/2024 0:30</td><td>66</td><td>ARTC Train</td></tr><tr><td>19/11/2024 1:00</td><td>65</td><td>ARTC Train</td></tr><tr><td>19/11/2024 1:15</td><td>61</td><td>ARTC Train</td></tr><tr><td>19/11/2024 1:45</td><td>66</td><td>ARTC Train</td></tr><tr><td>19/11/2024 4:00</td><td>64</td><td>ARTC Train</td></tr><tr><td>19/11/2024 5:45</td><td>67</td><td>Animal Activity</td></tr><tr><td>19/11/2024 6:00</td><td>65</td><td>ARTC Train</td></tr></table>Construction related LAeq in period at Monitoring Location is 65Due to the monitoring location being 5.5 m from the source of the noise and sensitive receiver being 25.5 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 52.	18/11/2024 22:15	70	ARTC Train	18/11/2024 23:15	63	ARTC Train	18/11/2024 23:30	53	ARTC Train	19/11/2024 0:30	66	ARTC Train	19/11/2024 1:00	65	ARTC Train	19/11/2024 1:15	61	ARTC Train	19/11/2024 1:45	66	ARTC Train	19/11/2024 4:00	64	ARTC Train	19/11/2024 5:45	67	Animal Activity	19/11/2024 6:00	65	ARTC Train	52	Y	<ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (52 dBA) is equal to the predicted level (52 dBA)Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered																										
18/11/2024 22:15	70			ARTC Train																																																												
18/11/2024 23:15	63	ARTC Train																																																														
18/11/2024 23:30	53	ARTC Train																																																														
19/11/2024 0:30	66	ARTC Train																																																														
19/11/2024 1:00	65	ARTC Train																																																														
19/11/2024 1:15	61	ARTC Train																																																														
19/11/2024 1:45	66	ARTC Train																																																														
19/11/2024 4:00	64	ARTC Train																																																														
19/11/2024 5:45	67	Animal Activity																																																														
19/11/2024 6:00	65	ARTC Train																																																														
2	19/11/2024 To 20/11/2024			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 67Excluding the following non-construction related event being identified:<table><tr><td>19/11/2024 22:15</td><td>62</td><td>ARTC Train</td></tr><tr><td>19/11/2024 22:30</td><td>66</td><td>ARTC Train</td></tr><tr><td>19/11/2024 22:45</td><td>62</td><td>Aircraft</td></tr><tr><td>19/11/2024 23:00</td><td>63</td><td>ARTC Train</td></tr><tr><td>19/11/2024 23:30</td><td>67</td><td>ARTC Train</td></tr><tr><td>20/11/2024 0:15</td><td>59</td><td>ARTC Train</td></tr><tr><td>20/11/2024 0:30</td><td>65</td><td>ARTC Train</td></tr><tr><td>20/11/2024 0:45</td><td>67</td><td>ARTC Train</td></tr><tr><td>20/11/2024 1:00</td><td>67</td><td>ARTC Train</td></tr><tr><td>20/11/2024 1:45</td><td>58</td><td>ARTC Train</td></tr><tr><td>20/11/2024 2:00</td><td>66</td><td>ARTC Train</td></tr><tr><td>20/11/2024 2:15</td><td>66</td><td>ARTC Train</td></tr><tr><td>20/11/2024 3:45</td><td>64</td><td>ARTC Train</td></tr><tr><td>20/11/2024 4:15</td><td>62</td><td>ARTC Train</td></tr><tr><td>20/11/2024 5:00</td><td>64</td><td>ARTC Train</td></tr><tr><td>20/11/2024 5:45</td><td>66</td><td>ARTC Train</td></tr><tr><td>20/11/2024 6:00</td><td>63</td><td>ARTC Train</td></tr><tr><td>20/11/2024 6:30</td><td>66</td><td>ARTC Train</td></tr><tr><td>20/11/2024 6:45</td><td>60</td><td>Aircraft</td></tr></table>Construction related LAeq in period at Monitoring Location is 61Due to the monitoring location being 5.5 m from the source of the noise and sensitive receiver being 25.5 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 48.	19/11/2024 22:15	62	ARTC Train	19/11/2024 22:30	66	ARTC Train	19/11/2024 22:45	62	Aircraft	19/11/2024 23:00	63	ARTC Train	19/11/2024 23:30	67	ARTC Train	20/11/2024 0:15	59	ARTC Train	20/11/2024 0:30	65	ARTC Train	20/11/2024 0:45	67	ARTC Train	20/11/2024 1:00	67	ARTC Train	20/11/2024 1:45	58	ARTC Train	20/11/2024 2:00	66	ARTC Train	20/11/2024 2:15	66	ARTC Train	20/11/2024 3:45	64	ARTC Train	20/11/2024 4:15	62	ARTC Train	20/11/2024 5:00	64	ARTC Train	20/11/2024 5:45	66	ARTC Train	20/11/2024 6:00	63	ARTC Train	20/11/2024 6:30	66	ARTC Train	20/11/2024 6:45	60	Aircraft	52	Y	<ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (48 dBA) is below the predicted level (52 dBA)Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
19/11/2024 22:15	62	ARTC Train																																																														
19/11/2024 22:30	66	ARTC Train																																																														
19/11/2024 22:45	62	Aircraft																																																														
19/11/2024 23:00	63	ARTC Train																																																														
19/11/2024 23:30	67	ARTC Train																																																														
20/11/2024 0:15	59	ARTC Train																																																														
20/11/2024 0:30	65	ARTC Train																																																														
20/11/2024 0:45	67	ARTC Train																																																														
20/11/2024 1:00	67	ARTC Train																																																														
20/11/2024 1:45	58	ARTC Train																																																														
20/11/2024 2:00	66	ARTC Train																																																														
20/11/2024 2:15	66	ARTC Train																																																														
20/11/2024 3:45	64	ARTC Train																																																														
20/11/2024 4:15	62	ARTC Train																																																														
20/11/2024 5:00	64	ARTC Train																																																														
20/11/2024 5:45	66	ARTC Train																																																														
20/11/2024 6:00	63	ARTC Train																																																														
20/11/2024 6:30	66	ARTC Train																																																														
20/11/2024 6:45	60	Aircraft																																																														

Table 2. Monitoring Location B: NCA 01 – (HEX615) 10m NE from 17 Warburton St, Marrickville

Reference Number	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	18/11/2024 To 19/11/2024	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 vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpSite lightsMobile Crane	<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 64Excluding the following non-construction related event being identified: 18/11/2024 22:15 57 ARTC Train 18/11/2024 22:30 64 ARTC Train 19/11/2024 0:30 60 ARTC Train 19/11/2024 1:00 61 ARTC Train 19/11/2024 1:15 61 ARTC Train 19/11/2024 1:45 56 ARTC Train 19/11/2024 5:45 59 ARTC Train 19/11/2024 6:00 57 ARTC TrainConstruction related LAeq in period at Monitoring Location is 62Due to the monitoring location being 2.5 m from the source of the noise and sensitive receiver being 13 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 48.	59	Y	<ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period is below the predicted level.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
2	19/11/2024 To 20/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 60Excluding the following non-construction related event being identified: 19/11/2024 22:15 69 ARTC Train 19/11/2024 22:30 56 ARTC Train 19/11/2024 22:45 57 Aircraft 19/11/2024 23:30 63 ARTC Train 20/11/2024 0:30 62 ARTC Train 20/11/2024 1:00 57 ARTC Train 20/11/2024 2:00 58 ARTC Train 20/11/2024 2:15 57 ARTC Train 20/11/2024 2:30 59 ARTC Train 20/11/2024 5:45 58 ARTC Train 20/11/2024 6:15 58 ARTC Train 20/11/2024 6:45 57 ARTC TrainConstruction related LAeq in period at Monitoring Location is 60Due to the monitoring location being 2.5 m from the source of the noise and sensitive receiver being 13 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 52.	59	Y	
3	20/11/2024 To 21/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 60Excluding the following non-construction related event being identified: 20/11/2024 22:15 69 ARTC Train 20/11/2024 22:30 55 Aircraft 20/11/2024 22:45 62 Aircraft 20/11/2024 23:15 56 ARTC Train 21/11/2024 0:30 64 ARTC Train 21/11/2024 0:45 65 ARTC TrainConstruction related LAeq in period at Monitoring Location is 60Due to the monitoring location being 2.5 m from the source of the noise and sensitive receiver being 13 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 46.	55	Y	
4	21/11/2024 To 22/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 64Excluding the following non-construction related event being identified: 21/11/2024 22:30 63 ARTC Train 22/11/2024 0:30 64 ARTC Train 22/11/2024 1:00 60 ARTC Train 22/11/2024 1:45 60 ARTC Train 22/11/2024 2:45 55 ARTC Train 22/11/2024 4:30 62 ARTC Train 22/11/2024 5:45 58 ARTC Train 22/11/2024 6:30 58 ARTC TrainConstruction related LAeq in period at Monitoring Location is 59Due to the monitoring location being 2.5 m from the source of the noise and sensitive receiver being 13 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 44.	55	Y	
5	22/11/2024 To 23/11/2024	Day 08:00 to 18:00			61	64	Y	<ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
6	24/11/2024 To 25/11/2024				An Exceedance has been reported during shift. A detailed S2B-EPL 21147 - R4.3 Exceedance of the Best Achievable Noise Performance Objectives Report has been submitted on Thu 28/11/2024.			<ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value matching or below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
7	26/11/2024 To 27/11/2024				60	69	Y	
8	26/11/2024 To 27/11/2024				60	66	Y	
9	01/12/2024	Day 08:00 to 18:00			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified: 1/12/2024 7:15 63 ARTC Train 1/12/2024 9:15 62 Aircraft 1/12/2024 9:45 62 Aircraft 1/12/2024 10:00 60 Aircraft 1/12/2024 13:45 61 ARTC Train 1/12/2024 14:45 71 Thunderstorm 1/12/2024 16:00 61 Aircraft 1/12/2024 19:00 64 Aircraft 1/12/2024 19:15 63 Aircraft 1/12/2024 20:15 62 Aircraft 1/12/2024 20:30 64 ARTC TrainConstruction related LAeq in period at Monitoring Location is 60	62	Y	<ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value related to construction below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered

Table 3. Monitoring Location C: NCA 02 - (HEX623) 11m N of 51A Ewart Lane, Dulwich Hill.

Reference Number	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	17/11/2024	Day 08:00 to 18:00	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 vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/TelehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane	70	71	Y	<ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
2	18/11/2024 To 19/11/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			54	57	Y	<ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
3	19/11/2024 To 20/11/2024				57	57	Y	
4	20/11/2024 To 21/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 61Excluding the following non-construction related event being identified: 20/11/2024 22:45 60 Aircraft 21/11/2024 6:45 61 Animal ActivityConstruction related LAeq in period at Monitoring Location is 57	57	Y	
5	21/11/2024 To 22/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 64Excluding the following non-construction related event being identified: 21/11/2024 22:30 59 Aircraft 22/11/2024 0:30 64 ARTC TrainConstruction related LAeq in period at Monitoring Location is 55	57	Y	
6	23/11/2024 To 24/11/2024				57	68	Y	
7	24/11/2024	Day 08:00 to 18:00			60	68	Y	<ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
8	24/11/2024 To 25/11/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			61	68	Y	
9	25/11/2024 To 26/11/2024				60	68	Y	
10	26/11/2024 To 27/11/2024				58	68	Y	
11	01/12/2024	Day 08:00 to 18:00			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 72Excluding the following non-construction related event being identified: 1/12/2024 14:30 63 Thunder Storm 1/12/2024 14:45 72 Thunder Storm 1/12/2024 19:00 62 AircraftConstruction related LAeq in period at Monitoring Location is 60	62	Y	<ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value related to construction below predictions.Predicted noise levels (Dayshift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered

Table 4. Monitoring Location D: NCA 02 - (HEX649) 11m N of 81 Ewart Street, Dulwich Hill

Reference Number	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	17/11/2024	Day 08:00 to 18:00			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 73Excluding the following non-construction related event being identified:<ul style="list-style-type: none">17/11/2024 7:30 70 ARTC Train17/11/2024 7:45 57 Aircraft & Animal Activity17/11/2024 8:00 64 ARTC Train17/11/2024 8:30 65 ARTC Train17/11/2024 9:30 64 ARTC Train17/11/2024 9:45 71 Aircraft & Animal Activity17/11/2024 10:00 68 Aircraft & Animal Activity17/11/2024 11:00 64 Aircraft17/11/2024 11:45 69 ARTC Train17/11/2024 12:30 68 Aircraft17/11/2024 12:45 69 Aircraft17/11/2024 13:30 73 ARTC Train17/11/2024 14:30 58 ARTC Train17/11/2024 18:30 68 ARTC Train17/11/2024 19:45 69 ARTC Train17/11/2024 20:00 67 ARTC Train17/11/2024 20:45 62 Thunderstorm17/11/2024 21:00 61 Thunderstorm17/11/2024 21:30 65 ARTC Train17/11/2024 21:45 67 AircraftConstruction related LAeq in period at Monitoring Location is 67Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 18 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 57.	62	Y	<ul style="list-style-type: none">RBL: 38 dBAThe calculated construction related highest LAeq in work period (57 dBA) is lower than the predicted level (62 dBA).Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
2	18/11/2024 To 19/11/2024		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 vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpSite lightsMobile Crane	<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 73Excluding the following non-construction related event being identified:<ul style="list-style-type: none">18/11/2024 22:15 66 ARTC Train18/11/2024 22:30 65 ARTC Train18/11/2024 23:15 69 ARTC Train18/11/2024 23:30 59 ARTC Train18/11/2024 23:45 61 ARTC Train19/11/2024 0:00 64 ARTC Train19/11/2024 0:45 73 ARTC Train19/11/2024 1:00 69 ARTC Train19/11/2024 1:15 69 ARTC Train19/11/2024 1:45 64 ARTC Train19/11/2024 3:15 69 ARTC Train19/11/2024 4:00 63 ARTC Train19/11/2024 5:30 68 ARTC Train19/11/2024 6:00 66 ARTC TrainConstruction related LAeq in period at Monitoring Location is 61Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 18 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 51.	60	Y	<ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (51 dBA) is lower than the predicted level (60 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
3	19/11/2024 To 20/11/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 77Excluding the following non-construction related event being identified:<ul style="list-style-type: none">19/11/2024 22:15 63 ARTC Train19/11/2024 22:30 64 ARTC Train19/11/2024 22:45 59 Aircraft19/11/2024 23:00 70 ARTC Train19/11/2024 23:15 70 ARTC Train20/11/2024 0:00 59 ARTC Train20/11/2024 0:30 67 ARTC Train20/11/2024 0:45 71 ARTC Train20/11/2024 1:15 72 ARTC Train20/11/2024 1:45 56 ARTC Train20/11/2024 2:00 70 ARTC Train20/11/2024 2:30 69 ARTC Train20/11/2024 3:45 66 ARTC Train20/11/2024 4:15 66 ARTC Train20/11/2024 4:45 69 ARTC Train20/11/2024 5:45 67 ARTC Train20/11/2024 6:15 63 ARTC Train20/11/2024 6:30 69 ARTC TrainConstruction related LAeq in period at Monitoring Location is 67Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 18 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 57.	60	Y	<ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (57 dBA) is lower than the predicted level (60 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered

Reference Number	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
4	20/11/2024 To 21/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<ul style="list-style-type: none">20/11/2024 22:15 83 ARTC Train20/11/2024 22:45 60 Aircraft20/11/2024 23:15 65 ARTC Train21/11/2024 0:00 69 ARTC Train21/11/2024 0:15 64 ARTC Train21/11/2024 0:30 65 ARTC Train21/11/2024 0:45 69 ARTC Train21/11/2024 1:00 70 ARTC Train21/11/2024 1:15 71 ARTC Train21/11/2024 2:00 66 ARTC Train21/11/2024 2:15 66 ARTC Train21/11/2024 2:30 70 ARTC Train21/11/2024 4:00 68 ARTC Train21/11/2024 4:30 71 ARTC Train21/11/2024 5:00 63 ARTC Train21/11/2024 6:00 69 ARTC Train21/11/2024 6:15 70 ARTC Train21/11/2024 6:30 67 ARTC TrainConstruction related LAeq in period at Monitoring Location is 63Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 18 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 53.	60	Y	<ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (53 dBA) is lower than the predicted level (60 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
5	21/11/2024 To 22/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 72Excluding the following non-construction related event being identified:<ul style="list-style-type: none">21/11/2024 22:30 65 Aircraft21/11/2024 23:00 64 ARTC Train21/11/2024 23:45 69 ARTC Train22/11/2024 0:30 72 ARTC Train22/11/2024 0:45 67 ARTC Train22/11/2024 1:00 69 ARTC Train22/11/2024 1:45 70 ARTC Train22/11/2024 2:15 68 ARTC Train22/11/2024 2:45 64 ARTC Train22/11/2024 3:30 62 ARTC Train22/11/2024 4:00 64 ARTC Train22/11/2024 4:30 69 ARTC Train22/11/2024 5:30 70 ARTC Train22/11/2024 6:30 67 ARTC TrainConstruction related LAeq in period at Monitoring Location is 66Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 18 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 56.	60	Y	<ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (56 dBA) is lower than the predicted level (60 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
6	23/11/2024 To 24/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<ul style="list-style-type: none">23/11/2024 22:45 59 Aircraft23/11/2024 23:15 63 ARTC Train24/11/2024 0:15 68 ARTC Train24/11/2024 1:00 69 ARTC Train24/11/2024 1:45 64 ARTC Train24/11/2024 4:00 71 ARTC Train24/11/2024 4:15 64 ARTC Train24/11/2024 5:45 70 ARTC Train24/11/2024 6:00 67 ARTC Train24/11/2024 6:45 69 ARTC TrainConstruction related LAeq in period at Monitoring Location is 56	69	Y	<ul style="list-style-type: none">RBL: 33 dBANoise monitor detect highest LAeq15min value related to construction below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
7	24/11/2024	Day 08:00 to 18:00			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 74Excluding the following non-construction related event being identified:<ul style="list-style-type: none">24/11/2024 7:30 70 ARTC Train24/11/2024 8:00 73 Animal Activity24/11/2024 8:45 65 ARTC Train24/11/2024 9:00 55 ARTC Train24/11/2024 9:30 61 ARTC Train24/11/2024 9:45 62 Aircraft24/11/2024 10:00 61 ARTC Train24/11/2024 10:45 58 ARTC Train24/11/2024 11:00 64 Aircraft24/11/2024 11:30 61 Aircraft24/11/2024 11:45 59 ARTC Train24/11/2024 12:00 69 ARTC Train24/11/2024 12:15 74 ARTC Train24/11/2024 12:45 66 ARTC Train24/11/2024 13:00 71 ARTC Train24/11/2024 13:45 70 ARTC Train24/11/2024 14:00 61 ARTC Train24/11/2024 19:00 63 ARTC Train24/11/2024 19:15 67 Aircraft24/11/2024 19:30 68 ARTC Train24/11/2024 19:45 68 ARTC TrainConstruction related LAeq in period at Monitoring Location is 68	68	Y	<ul style="list-style-type: none">RBL: 38 dBANoise monitor detect highest LAeq15min value related to construction matched the predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered

Reference Number	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																																										
8	24/11/2024 To 25/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<table><tr><td>24/11/2024 22:15</td><td>65</td><td>ARTC Train</td></tr><tr><td>24/11/2024 22:45</td><td>68</td><td>Aircraft</td></tr><tr><td>24/11/2024 23:00</td><td>67</td><td>ARTC Train</td></tr><tr><td>25/11/2024 0:15</td><td>63</td><td>ARTC Train</td></tr><tr><td>25/11/2024 0:45</td><td>66</td><td>ARTC Train</td></tr><tr><td>25/11/2024 1:00</td><td>68</td><td>ARTC Train</td></tr><tr><td>25/11/2024 1:15</td><td>70</td><td>ARTC Train</td></tr><tr><td>25/11/2024 2:00</td><td>68</td><td>ARTC Train</td></tr><tr><td>25/11/2024 2:45</td><td>70</td><td>ARTC Train</td></tr><tr><td>25/11/2024 3:00</td><td>61</td><td>ARTC Train</td></tr><tr><td>25/11/2024 5:15</td><td>69</td><td>ARTC Train</td></tr><tr><td>25/11/2024 5:45</td><td>69</td><td>ARTC Train</td></tr><tr><td>25/11/2024 6:15</td><td>68</td><td>ARTC Train</td></tr></table>Construction related LAeq in period at Monitoring Location is 71Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 18 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 61.	24/11/2024 22:15	65	ARTC Train	24/11/2024 22:45	68	Aircraft	24/11/2024 23:00	67	ARTC Train	25/11/2024 0:15	63	ARTC Train	25/11/2024 0:45	66	ARTC Train	25/11/2024 1:00	68	ARTC Train	25/11/2024 1:15	70	ARTC Train	25/11/2024 2:00	68	ARTC Train	25/11/2024 2:45	70	ARTC Train	25/11/2024 3:00	61	ARTC Train	25/11/2024 5:15	69	ARTC Train	25/11/2024 5:45	69	ARTC Train	25/11/2024 6:15	68	ARTC Train	69	Y	<ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (61 dBA) is lower than the predicted level (69 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered			
24/11/2024 22:15	65	ARTC Train																																																
24/11/2024 22:45	68	Aircraft																																																
24/11/2024 23:00	67	ARTC Train																																																
25/11/2024 0:15	63	ARTC Train																																																
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25/11/2024 1:00	68	ARTC Train																																																
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25/11/2024 2:00	68	ARTC Train																																																
25/11/2024 2:45	70	ARTC Train																																																
25/11/2024 3:00	61	ARTC Train																																																
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25/11/2024 5:45	69	ARTC Train																																																
25/11/2024 6:15	68	ARTC Train																																																
9	25/11/2024 To 26/11/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 72Excluding the following non-construction related event being identified:<table><tr><td>25/11/2024 22:15</td><td>64</td><td>ARTC Train</td></tr><tr><td>25/11/2024 22:30</td><td>64</td><td>ARTC Train</td></tr><tr><td>25/11/2024 22:45</td><td>69</td><td>ARTC Train</td></tr><tr><td>25/11/2024 23:00</td><td>71</td><td>ARTC Train</td></tr><tr><td>25/11/2024 23:45</td><td>69</td><td>ARTC Train</td></tr><tr><td>26/11/2024 0:15</td><td>67</td><td>ARTC Train</td></tr><tr><td>26/11/2024 0:45</td><td>69</td><td>ARTC Train</td></tr><tr><td>26/11/2024 1:15</td><td>63</td><td>ARTC Train</td></tr><tr><td>26/11/2024 1:45</td><td>72</td><td>ARTC Train</td></tr><tr><td>26/11/2024 2:00</td><td>66</td><td>ARTC Train</td></tr><tr><td>26/11/2024 2:30</td><td>68</td><td>ARTC Train</td></tr><tr><td>26/11/2024 4:15</td><td>70</td><td>ARTC Train</td></tr><tr><td>26/11/2024 4:30</td><td>63</td><td>ARTC Train</td></tr><tr><td>26/11/2024 6:00</td><td>71</td><td>ARTC Train</td></tr></table>Construction related LAeq in period at Monitoring Location is 69Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 18 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 59.	25/11/2024 22:15	64	ARTC Train	25/11/2024 22:30	64	ARTC Train	25/11/2024 22:45	69	ARTC Train	25/11/2024 23:00	71	ARTC Train	25/11/2024 23:45	69	ARTC Train	26/11/2024 0:15	67	ARTC Train	26/11/2024 0:45	69	ARTC Train	26/11/2024 1:15	63	ARTC Train	26/11/2024 1:45	72	ARTC Train	26/11/2024 2:00	66	ARTC Train	26/11/2024 2:30	68	ARTC Train	26/11/2024 4:15	70	ARTC Train	26/11/2024 4:30	63	ARTC Train	26/11/2024 6:00	71	ARTC Train	68	Y	<ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (59 dBA) is lower than the predicted level (68 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
25/11/2024 22:15	64	ARTC Train																																																
25/11/2024 22:30	64	ARTC Train																																																
25/11/2024 22:45	69	ARTC Train																																																
25/11/2024 23:00	71	ARTC Train																																																
25/11/2024 23:45	69	ARTC Train																																																
26/11/2024 0:15	67	ARTC Train																																																
26/11/2024 0:45	69	ARTC Train																																																
26/11/2024 1:15	63	ARTC Train																																																
26/11/2024 1:45	72	ARTC Train																																																
26/11/2024 2:00	66	ARTC Train																																																
26/11/2024 2:30	68	ARTC Train																																																
26/11/2024 4:15	70	ARTC Train																																																
26/11/2024 4:30	63	ARTC Train																																																
26/11/2024 6:00	71	ARTC Train																																																
10	26/11/2024 To 27/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<table><tr><td>26/11/2024 22:15</td><td>67</td><td>ARTC Train</td></tr><tr><td>26/11/2024 23:15</td><td>66</td><td>ARTC Train</td></tr><tr><td>27/11/2024 0:00</td><td>71</td><td>ARTC Train</td></tr><tr><td>27/11/2024 0:45</td><td>72</td><td>ARTC Train</td></tr><tr><td>27/11/2024 1:15</td><td>63</td><td>ARTC Train</td></tr><tr><td>27/11/2024 1:45</td><td>72</td><td>ARTC Train</td></tr><tr><td>27/11/2024 2:00</td><td>70</td><td>ARTC Train</td></tr><tr><td>27/11/2024 2:15</td><td>64</td><td>ARTC Train</td></tr><tr><td>27/11/2024 3:15</td><td>61</td><td>ARTC Train</td></tr><tr><td>27/11/2024 4:15</td><td>64</td><td>ARTC Train</td></tr><tr><td>27/11/2024 5:30</td><td>69</td><td>ARTC Train</td></tr><tr><td>27/11/2024 6:00</td><td>70</td><td>ARTC Train</td></tr></table>Construction related LAeq in period at Monitoring Location is 70Due to the monitoring location being 6 m from the source of the noise and sensitive receiver being 18 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 60.	26/11/2024 22:15	67	ARTC Train	26/11/2024 23:15	66	ARTC Train	27/11/2024 0:00	71	ARTC Train	27/11/2024 0:45	72	ARTC Train	27/11/2024 1:15	63	ARTC Train	27/11/2024 1:45	72	ARTC Train	27/11/2024 2:00	70	ARTC Train	27/11/2024 2:15	64	ARTC Train	27/11/2024 3:15	61	ARTC Train	27/11/2024 4:15	64	ARTC Train	27/11/2024 5:30	69	ARTC Train	27/11/2024 6:00	70	ARTC Train	68	Y	<ul style="list-style-type: none">RBL: 33 dBAThe calculated construction related highest LAeq in work period (60 dBA) is lower than the predicted level (68 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered						
26/11/2024 22:15	67	ARTC Train																																																
26/11/2024 23:15	66	ARTC Train																																																
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27/11/2024 2:00	70	ARTC Train																																																
27/11/2024 2:15	64	ARTC Train																																																
27/11/2024 3:15	61	ARTC Train																																																
27/11/2024 4:15	64	ARTC Train																																																
27/11/2024 5:30	69	ARTC Train																																																
27/11/2024 6:00	70	ARTC Train																																																

Table 5. Monitoring Location E: NCA 04 - (HEX548) 30m SE of 10-12 Broughton Street, Canterbury

Reference Number	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	17/11/2024	Day 08:00 to 18:00	General track related construction activities		<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 73Excluding the following non-construction related event being identified:<ul style="list-style-type: none">17/11/2024 7:30 66 ARTC Train17/11/2024 8:00 65 ARTC Train17/11/2024 8:30 73 ARTC Train17/11/2024 9:30 65 ARTC Train17/11/2024 9:45 73 ARTC Train17/11/2024 11:00 68 ARTC Train17/11/2024 11:45 65 ARTC Train17/11/2024 12:30 66 ARTC Train17/11/2024 13:30 69 ARTC Train17/11/2024 13:45 64 ARTC Train17/11/2024 17:30 62 ARTC Train17/11/2024 18:15 69 ARTC Train17/11/2024 18:30 61 ARTC Train17/11/2024 19:30 64 ARTC Train17/11/2024 19:45 66 ARTC Train17/11/2024 20:00 62 ThunderstormConstruction related LAeq in period at Monitoring Location is 69	72	Y	<ul style="list-style-type: none">RBL: 40 dBANoise monitor detect highest LAeq15min value related to construction below the predictions.Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
2	18/11/2024 To 19/11/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)		<ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrama)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpPortable GeneratorsCompressorsCompactorBogieWater pumps4T DumpySite lightsMobile Crane	<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 73Excluding the following non-construction related event being identified:<ul style="list-style-type: none">18/11/2024 22:15 67 ARTC Train18/11/2024 22:30 61 ARTC Train18/11/2024 23:00 63 ARTC Train18/11/2024 23:30 55 ARTC Train18/11/2024 23:45 62 ARTC Train19/11/2024 0:00 68 ARTC Train19/11/2024 0:45 73 ARTC Train19/11/2024 1:15 66 ARTC Train19/11/2024 1:30 62 ARTC Train19/11/2024 1:45 62 ARTC Train19/11/2024 3:15 66 ARTC Train19/11/2024 4:00 60 ARTC Train19/11/2024 5:30 64 ARTC Train19/11/2024 6:00 62 ARTC TrainConstruction related LAeq in period at Monitoring Location is 57	60	Y	<ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value related to construction below the predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
3	19/11/2024 To 20/11/2024			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 69Excluding the following non-construction related event being identified:<ul style="list-style-type: none">19/11/2024 22:15 60 ARTC Train19/11/2024 22:30 62 ARTC Train19/11/2024 23:00 65 ARTC Train19/11/2024 23:15 68 ARTC Train19/11/2024 23:30 66 ARTC Train20/11/2024 0:00 62 ARTC Train20/11/2024 0:15 57 ARTC Train20/11/2024 0:45 69 ARTC Train20/11/2024 1:00 63 ARTC Train20/11/2024 1:15 68 ARTC Train20/11/2024 2:00 68 ARTC Train20/11/2024 2:30 69 ARTC Train20/11/2024 3:45 62 ARTC Train20/11/2024 4:45 66 ARTC Train20/11/2024 5:45 64 ARTC Train20/11/2024 6:15 64 ARTC Train20/11/2024 6:30 69 ARTC TrainConstruction related LAeq in period at Monitoring Location is 59	60	Y	<ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value related to construction below the predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered	
4	20/11/2024 To 21/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<ul style="list-style-type: none">20/11/2024 22:15 60 ARTC Train20/11/2024 22:30 64 ARTC Train20/11/2024 23:15 67 ARTC Train21/11/2024 0:00 66 ARTC Train21/11/2024 0:15 61 ARTC Train21/11/2024 0:30 65 ARTC Train21/11/2024 0:45 68 ARTC Train21/11/2024 1:00 69 ARTC Train21/11/2024 1:15 67 ARTC Train21/11/2024 2:00 64 ARTC Train21/11/2024 2:15 66 ARTC Train21/11/2024 2:30 71 ARTC Train21/11/2024 2:45 65 ARTC Train21/11/2024 4:00 64 ARTC Train21/11/2024 4:30 70 ARTC Train21/11/2024 5:00 57 ARTC Train21/11/2024 6:00 65 ARTC Train21/11/2024 6:30 63 ARTC TrainConstruction related LAeq in period at Monitoring Location is 63Due to the monitoring location being 33 m from the source of the noise and sensitive receiver being 62 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 58.	60	Y	<ul style="list-style-type: none">RBL: 35 dBAThe calculated construction related highest LAeq in work period (58 dBA) is lower than the predicted level (60 dBA).Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered

Reference Number	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																																																						
5	30/11/2024 To 01/12/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 75Excluding the following non-construction related event being identified:<table><tr><td>30/11/2024 22:45</td><td>59</td><td>ARTC Train</td></tr><tr><td>1/12/2024 0:00</td><td>68</td><td>ARTC Train</td></tr><tr><td>1/12/2024 0:15</td><td>71</td><td>ARTC Train</td></tr><tr><td>1/12/2024 0:45</td><td>65</td><td>ARTC Train</td></tr><tr><td>1/12/2024 1:00</td><td>65</td><td>ARTC Train</td></tr><tr><td>1/12/2024 1:30</td><td>68</td><td>ARTC Train</td></tr><tr><td>1/12/2024 2:15</td><td>75</td><td>ARTC Train</td></tr><tr><td>1/12/2024 3:45</td><td>64</td><td>ARTC Train</td></tr><tr><td>1/12/2024 4:15</td><td>64</td><td>ARTC Train</td></tr><tr><td>1/12/2024 4:30</td><td>64</td><td>ARTC Train</td></tr><tr><td>1/12/2024 5:15</td><td>55</td><td>ARTC Train</td></tr><tr><td>1/12/2024 5:30</td><td>60</td><td>ARTC Train</td></tr><tr><td>1/12/2024 6:00</td><td>65</td><td>ARTC Train</td></tr></table>Construction related LAeq in period at Monitoring Location is 53Due to the monitoring location being 33 m from the source of the noise and sensitive receiver being 62 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 48.	30/11/2024 22:45	59	ARTC Train	1/12/2024 0:00	68	ARTC Train	1/12/2024 0:15	71	ARTC Train	1/12/2024 0:45	65	ARTC Train	1/12/2024 1:00	65	ARTC Train	1/12/2024 1:30	68	ARTC Train	1/12/2024 2:15	75	ARTC Train	1/12/2024 3:45	64	ARTC Train	1/12/2024 4:15	64	ARTC Train	1/12/2024 4:30	64	ARTC Train	1/12/2024 5:15	55	ARTC Train	1/12/2024 5:30	60	ARTC Train	1/12/2024 6:00	65	ARTC Train	52	Y	<ul style="list-style-type: none">RBL: 35 dBAThe calculated construction related highest LAeq in work period (48 dBA) is lower than the predicted level (52 dBA)Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered															
30/11/2024 22:45	59	ARTC Train																																																												
1/12/2024 0:00	68	ARTC Train																																																												
1/12/2024 0:15	71	ARTC Train																																																												
1/12/2024 0:45	65	ARTC Train																																																												
1/12/2024 1:00	65	ARTC Train																																																												
1/12/2024 1:30	68	ARTC Train																																																												
1/12/2024 2:15	75	ARTC Train																																																												
1/12/2024 3:45	64	ARTC Train																																																												
1/12/2024 4:15	64	ARTC Train																																																												
1/12/2024 4:30	64	ARTC Train																																																												
1/12/2024 5:15	55	ARTC Train																																																												
1/12/2024 5:30	60	ARTC Train																																																												
1/12/2024 6:00	65	ARTC Train																																																												
6	01/12/2024 To 02/12/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 74Excluding the following non-construction related event being identified:<table><tr><td>1/12/2024 22:15</td><td>58</td><td>ARTC Train</td></tr><tr><td>1/12/2024 22:45</td><td>63</td><td>ARTC Train</td></tr><tr><td>1/12/2024 23:00</td><td>66</td><td>ARTC Train</td></tr><tr><td>1/12/2024 23:15</td><td>61</td><td>ARTC Train</td></tr><tr><td>1/12/2024 23:30</td><td>59</td><td>ARTC Train</td></tr><tr><td>1/12/2024 23:45</td><td>65</td><td>ARTC Train</td></tr><tr><td>2/12/2024 0:15</td><td>59</td><td>ARTC Train</td></tr><tr><td>2/12/2024 0:30</td><td>63</td><td>ARTC Train</td></tr><tr><td>2/12/2024 0:45</td><td>67</td><td>ARTC Train</td></tr><tr><td>2/12/2024 1:00</td><td>71</td><td>ARTC Train</td></tr><tr><td>2/12/2024 1:45</td><td>62</td><td>ARTC Train</td></tr><tr><td>2/12/2024 2:00</td><td>65</td><td>ARTC Train</td></tr><tr><td>2/12/2024 2:15</td><td>70</td><td>ARTC Train</td></tr><tr><td>2/12/2024 2:45</td><td>59</td><td>ARTC Train</td></tr><tr><td>2/12/2024 4:30</td><td>65</td><td>ARTC Train</td></tr><tr><td>2/12/2024 5:45</td><td>64</td><td>ARTC Train</td></tr><tr><td>2/12/2024 6:00</td><td>74</td><td>ARTC Train</td></tr><tr><td>2/12/2024 6:15</td><td>68</td><td>ARTC Train</td></tr></table>Construction related LAeq in period at Monitoring Location is 57Due to the monitoring location being 33 m from the source of the noise and sensitive receiver being 62 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 52.	1/12/2024 22:15	58	ARTC Train	1/12/2024 22:45	63	ARTC Train	1/12/2024 23:00	66	ARTC Train	1/12/2024 23:15	61	ARTC Train	1/12/2024 23:30	59	ARTC Train	1/12/2024 23:45	65	ARTC Train	2/12/2024 0:15	59	ARTC Train	2/12/2024 0:30	63	ARTC Train	2/12/2024 0:45	67	ARTC Train	2/12/2024 1:00	71	ARTC Train	2/12/2024 1:45	62	ARTC Train	2/12/2024 2:00	65	ARTC Train	2/12/2024 2:15	70	ARTC Train	2/12/2024 2:45	59	ARTC Train	2/12/2024 4:30	65	ARTC Train	2/12/2024 5:45	64	ARTC Train	2/12/2024 6:00	74	ARTC Train	2/12/2024 6:15	68	ARTC Train	52	Y	<ul style="list-style-type: none">RBL: 35 dBAThe calculated construction related highest LAeq in work period (52 dBA) matched the predicted level (52 dBA)Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
1/12/2024 22:15	58	ARTC Train																																																												
1/12/2024 22:45	63	ARTC Train																																																												
1/12/2024 23:00	66	ARTC Train																																																												
1/12/2024 23:15	61	ARTC Train																																																												
1/12/2024 23:30	59	ARTC Train																																																												
1/12/2024 23:45	65	ARTC Train																																																												
2/12/2024 0:15	59	ARTC Train																																																												
2/12/2024 0:30	63	ARTC Train																																																												
2/12/2024 0:45	67	ARTC Train																																																												
2/12/2024 1:00	71	ARTC Train																																																												
2/12/2024 1:45	62	ARTC Train																																																												
2/12/2024 2:00	65	ARTC Train																																																												
2/12/2024 2:15	70	ARTC Train																																																												
2/12/2024 2:45	59	ARTC Train																																																												
2/12/2024 4:30	65	ARTC Train																																																												
2/12/2024 5:45	64	ARTC Train																																																												
2/12/2024 6:00	74	ARTC Train																																																												
2/12/2024 6:15	68	ARTC Train																																																												

Table 6. Monitoring Location F: NCA 06 – (HEX631) 18m S from 32-24 Campsie St, Campsie

Reference Number	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	18/11/2024 To 19/11/2024	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)Ballon tyre dump trucks (Hydrama)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpBogieWater pumps4T DumpyMobile Crane	<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 64Excluding the following non-construction related event being identified:<ul style="list-style-type: none">18/11/2024 22:15 56 ARTC Train18/11/2024 22:30 54 ARTC Train18/11/2024 22:45 55 ARTC Train18/11/2024 23:00 64 ARTC Train18/11/2024 23:30 57 ARTC Train18/11/2024 23:45 53 ARTC Train19/11/2024 0:45 68 ARTC Train19/11/2024 1:15 61 ARTC Train19/11/2024 1:30 55 ARTC Train19/11/2024 1:45 55 ARTC Train19/11/2024 3:15 64 ARTC Train19/11/2024 4:00 57 ARTC Train19/11/2024 5:30 63 ARTC Train19/11/2024 6:00 61 ARTC TrainConstruction related LAeq in period at Monitoring Location is 61	61	Y	<ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value related to construction matched the predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
2	19/11/2024 To 20/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 67Excluding the following non-construction related event being identified:<ul style="list-style-type: none">19/11/2024 22:15 59 ARTC Train19/11/2024 22:30 59 ARTC Train19/11/2024 22:45 61 ARTC Train19/11/2024 23:15 67 ARTC Train19/11/2024 23:45 58 ARTC Train20/11/2024 0:00 54 ARTC Train20/11/2024 0:15 54 ARTC Train20/11/2024 0:30 59 ARTC Train20/11/2024 0:45 62 ARTC Train20/11/2024 1:00 64 ARTC Train20/11/2024 1:15 64 ARTC Train20/11/2024 2:00 65 ARTC Train20/11/2024 2:30 61 ARTC Train20/11/2024 3:30 62 ARTC Train20/11/2024 4:15 58 ARTC Train20/11/2024 4:45 59 ARTC Train20/11/2024 5:45 67 ARTC Train20/11/2024 6:15 59 ARTC TrainConstruction related LAeq in period at Monitoring Location is 63Due to the monitoring location being 19 m from the source of the noise and sensitive receiver being 34 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 58.	61	Y	<ul style="list-style-type: none">RBL: 35 dBAThe calculated construction related highest LAeq in work period (58 dBA) matched the predicted level (61 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
3	20/11/2024 To 21/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 67Excluding the following non-construction related event being identified:<ul style="list-style-type: none">20/11/2024 22:15 59 ARTC Train20/11/2024 23:15 58 ARTC Train21/11/2024 0:00 62 ARTC Train21/11/2024 0:15 53 ARTC Train21/11/2024 0:30 60 ARTC Train21/11/2024 0:45 66 ARTC Train21/11/2024 1:00 62 ARTC Train21/11/2024 2:00 56 ARTC Train21/11/2024 2:30 65 ARTC Train21/11/2024 4:00 63 ARTC Train21/11/2024 4:30 69 ARTC Train21/11/2024 5:00 51 ARTC Train21/11/2024 6:00 67 ARTC Train21/11/2024 6:30 62 ARTC TrainConstruction related LAeq in period at Monitoring Location is 63Due to the monitoring location being 19 m from the source of the noise and sensitive receiver being 34 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 58.	61	Y	<ul style="list-style-type: none">RBL: 35 dBAThe calculated construction related highest LAeq in work period (58 dBA) matched the predicted level (61 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
4	21/11/2024 To 22/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 67Excluding the following non-construction related event being identified:<ul style="list-style-type: none">21/11/2024 22:15 60 ARTC Train21/11/2024 22:45 58 ARTC Train21/11/2024 23:00 65 ARTC Train21/11/2024 23:30 63 ARTC Train22/11/2024 0:15 66 ARTC Train22/11/2024 0:45 63 ARTC Train22/11/2024 1:45 65 ARTC Train22/11/2024 2:15 61 ARTC Train22/11/2024 3:00 63 ARTC Train22/11/2024 4:00 59 ARTC Train22/11/2024 4:30 65 ARTC Train22/11/2024 5:30 61 ARTC Train22/11/2024 5:45 67 ARTC TrainConstruction related LAeq in period at Monitoring Location is 65Due to the monitoring location being 19 m from the source of the noise and sensitive receiver being 34 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 60.	61	Y	<ul style="list-style-type: none">RBL: 35 dBAThe calculated construction related highest LAeq in work period (60 dBA) matched the predicted level (61 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered

Reference Number	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
5	22/11/2024 To 23/11/2024				72	75	Y	<ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
6	27/11/2024 To 28/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 68Excluding the following non-construction related event being identified:<div>27/11/2024 23:00 59 ARTC Train</div><div>27/11/2024 23:30 57 ARTC Train</div><div>28/11/2024 0:00 60 ARTC Train</div><div>28/11/2024 0:15 60 ARTC Train</div><div>28/11/2024 1:00 66 ARTC Train</div><div>28/11/2024 1:30 67 ARTC Train</div><div>28/11/2024 1:45 59 ARTC Train</div><div>28/11/2024 2:15 59 ARTC Train</div><div>28/11/2024 2:30 66 ARTC Train</div><div>28/11/2024 2:45 59 ARTC Train</div><div>28/11/2024 3:45 68 ARTC Train</div><div>28/11/2024 4:15 61 ARTC Train</div><div>28/11/2024 5:45 58 ARTC Train</div><div>28/11/2024 6:30 60 ARTC Train</div>Construction related LAeq in period at Monitoring Location is 59	59	Y	<ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value related to construction matched the predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
7	28/11/2024 To 29/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<div>28/11/2024 22:15 58 ARTC Train</div><div>28/11/2024 22:45 59 ARTC Train</div><div>29/11/2024 23:15 59 ARTC Train</div><div>29/11/2024 23:45 63 ARTC Train</div><div>29/11/2024 0:00 60 ARTC Train</div><div>29/11/2024 0:45 55 ARTC Train</div><div>29/11/2024 1:00 71 ARTC Train</div><div>29/11/2024 1:15 54 ARTC Train</div><div>29/11/2024 1:45 65 ARTC Train</div><div>29/11/2024 2:00 61 ARTC Train</div><div>29/11/2024 4:15 61 ARTC Train</div><div>29/11/2024 4:45 67 ARTC Train</div><div>29/11/2024 5:00 61 ARTC Train</div><div>29/11/2024 5:45 65 ARTC Train</div><div>29/11/2024 6:00 57 ARTC Train</div><div>29/11/2024 6:45 61 ARTC Train</div>Construction related LAeq in period at Monitoring Location is 53	55	Y	<ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value related to construction below the predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
8	30/11/2024 To 01/12/2024	<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 67Excluding the following non-construction related event being identified:<div>30/11/2024 22:45 55 ARTC Train</div><div>30/11/2024 23:45 60 ARTC Train</div><div>1/12/2024 0:15 66 ARTC Train</div><div>1/12/2024 0:45 63 ARTC Train</div><div>1/12/2024 1:30 59 ARTC Train</div><div>1/12/2024 2:00 58 ARTC Train</div><div>1/12/2024 2:15 67 ARTC Train</div><div>1/12/2024 3:45 63 ARTC Train</div><div>1/12/2024 4:15 61 ARTC Train</div><div>1/12/2024 4:30 55 ARTC Train</div><div>1/12/2024 5:30 58 ARTC Train</div><div>1/12/2024 6:00 65 ARTC Train</div>Construction related LAeq in period at Monitoring Location is 60Due to the monitoring location being 19 m from the source of the noise and sensitive receiver being 34 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 55.	58	Y	<ul style="list-style-type: none">RBL: 35 dBAThe calculated construction related highest LAeq in work period (55 dBA) matched the predicted level (58 dBA)Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered			
9	01/12/2024	Day 08:00 to 18:00			<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 71Excluding the following non-construction related event being identified:<div>29/11/2024 22:15 58 ARTC Train</div><div>29/11/2024 22:45 59 ARTC Train</div><div>28/11/2024 23:15 59 ARTC Train</div><div>28/11/2024 23:45 63 ARTC Train</div><div>29/11/2024 0:00 60 ARTC Train</div><div>29/11/2024 0:45 55 ARTC Train</div><div>29/11/2024 1:00 71 ARTC Train</div><div>29/11/2024 1:15 54 ARTC Train</div><div>29/11/2024 1:45 65 ARTC Train</div><div>29/11/2024 2:00 61 ARTC Train</div><div>29/11/2024 4:15 61 ARTC Train</div><div>29/11/2024 4:45 67 ARTC Train</div><div>29/11/2024 5:00 61 ARTC Train</div><div>29/11/2024 5:45 65 ARTC Train</div><div>29/11/2024 6:00 57 ARTC Train</div><div>29/11/2024 6:45 61 ARTC Train</div>Construction related LAeq in period at Monitoring Location is 47	66	Y	<ul style="list-style-type: none">RBL: 45 dBANoise monitor detect highest LAeq15min value related to construction matched the predictions.Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered

Table 7. Monitoring Location G: NCA 07 - (HEX531) 4m E of 1 Hall St, Belmore.

Reference Number	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	17/11/2024	Day 08:00 to 18:00	General track related construction activities	<ul style="list-style-type: none">Excavators 3T, 6 and 13T (inc jack hammer attachments)Balloon tyre dump trucks (Hydrama)Light vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpBogieWater pumps4T DumpyMobile Crane	66	67	Y	<ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
2	17/11/2024 To 18/11/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			61	66	Y	<ul style="list-style-type: none">RBL: 35 dBANoise monitor detect highest LAeq15min value matched or below the predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
3	18/11/2024 To 19/11/2024				67	67	Y	
4	19/11/2024 To 20/11/2024				59	70	Y	
5	20/11/2024 To 21/11/2024				53	70	Y	
6	21/11/2024 To 22/11/2024				63	70	Y	
7	22/11/2024 To 23/11/2024				61	66	Y	
8	26/11/2024 To 27/11/2024				58	69	Y	
9	27/11/2024 To 28/11/2024				65	69	Y	
10	28/11/2024 To 29/11/2024				53	69	Y	
11	01/12/2024	Day 08:00 to 18:00		<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 73Excluding the following non-construction related event being identified: 1/12/2024 14:45 73.084 ThunderstormConstruction related LAeq in period at Monitoring Location is 65	69	Y	<ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period (65 dBA) matched the predicted level (69 dBA)Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered	

Table 8. Monitoring Location H: NCA 08 - (HEX328) 26m S of 27 Dennis St, Lakemba.

Reference Number	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	17/11/2024	Day 08:00 to 18:00	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 vehiclesTrucksPayloaderHandheld powered and non-powered toolsVac TrucksEWPs/telehandlerFront-end loaderConcrete truck and line pumpBogieWater pumps4T DumpyMobile Crane	65	66	Y	<ul style="list-style-type: none">RBL: 47 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
2	17/11/2024 To 18/11/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			57	71	Y	<ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below the predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
3	18/11/2024 To 19/11/2024				66	71	Y	
4	19/11/2024 To 20/11/2024				<ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 55Due to the monitoring location being 30 m from the source of the noise and sensitive receiver being 55 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 50.	52	Y	
5	20/11/2024 To 21/11/2024				<ul style="list-style-type: none">Highest ambient LAeq in period at Monitoring Location is 53Excluding the following non-construction related event being identified: 21/11/2024 3:45 53 Resident Light VehicleConstruction related LAeq in period at Monitoring Location is 52Highest ambient LAeq in period at Monitoring Location is 53Excluding the following non-construction related event being identified: 21/11/2024 22:45 53 Resident Light Vehicle 22/11/2024 5:45 52 Animal Activity 22/11/2024 6:00 52 Animal Activity 22/11/2024 6:15 53 Animal Activity	52	Y	<ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period matched or below the predicted levelPredicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
6	21/11/2024 To 22/11/2024				<ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 51	52	Y	
7	23/11/2024 To 24/11/2024				52	59	Y	<ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below the predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
8	24/11/2024	Day 08:00 to 18:00			57	60	Y	<ul style="list-style-type: none">RBL: 47 dBANoise monitor detect highest LAeq15min value below predictions.Predicted noise levels (Day shift works) in this didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
9	24/11/2024 To 25/11/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			54	59	Y	<ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below the predictions.Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
10	26/11/2024 To 27/11/2024				<ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 57Due to the monitoring location being 30 m from the source of the noise and sensitive receiver being 55 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 52.	56	Y	<ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period below the predicted levelPredicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
11	27/11/2024 To 28/11/2024				56	56	Y	<ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below the predictions.
12	28/11/2024 To 29/11/2024				52	55	Y	<ul style="list-style-type: none">Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
13	01/12/2024				Day 08:00 to 18:00	68	74	Y

Table 9. Monitoring Location I: NCA 09 - (HEX646) 50m SE of 17 Alice Street North, Wiley Park.

Reference Number	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	25/11/2024 To 28/11/2024	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 vehiclesTrucksPayloadersHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpBogieWater pumps4T DumpMobile Crane	<ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 59Due to the monitoring location being 9 m from the source of the noise and sensitive receiver being 25 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 47.	58	Y	<ul style="list-style-type: none">RBL: 36 dBAThe calculated construction related highest LAeq in work period below the predicted levelPredicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
2	28/11/2024 To 27/11/2024				<ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 63Due to the monitoring location being 9 m from the source of the noise and sensitive receiver being 25 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 54.	58	Y	
3	27/11/2024 To 28/11/2024				58	58	Y	<ul style="list-style-type: none">RBL: 36 dBANoise monitor detect highest LAeq15min value matched the predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered

Table 10. Monitoring Location J: NCA 10 - (HEX421) 65m S of 37 Urunga Parade, Punchbowl.

Reference Number	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	17/11/2024	Day 08:00 to 18:00	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 vehiclesTrucksPayloadersHandheld powered and non-powered toolsVac TrucksEWP/telehandlerFront-end loaderConcrete truck and line pumpBogieWater pumps4T DumpMobile Crane	<ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 65Due to the monitoring location being 11 m from the source of the noise and sensitive receiver being 53 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 49.	64	Y	<ul style="list-style-type: none">RBL: 47 dBAThe calculated construction related highest LAeq in work period below the predicted level.Predicted noise levels (Day shift works) in this area didn't trigger offers for additional mitigation measures.Appropriate mitigation measures being offered
2	17/11/2024 To 18/11/2024				60	69	Y	
3	18/11/2024 To 19/11/2024				56	69	Y	<ul style="list-style-type: none">RBL: 41 dBANoise monitor detect highest LAeq15min value below the predictions.Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered
4	20/11/2024 To 21/11/2024				58	69	Y	
5	21/11/2024 To 22/11/2024				63	69	Y	
6	22/11/2024 To 24/11/2024				55	57	Y	
7	24/11/2024 To 25/11/2024				<ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 61Due to the monitoring location being 11 m from the source of the noise and sensitive receiver being 53 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 47.	57	Y	<ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period below the predicted levelPredicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate additional mitigation measures being offered
8	25/11/2024 To 26/11/2024				<ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 72Due to the monitoring location being 11 m from the source of the noise and sensitive receiver being 53 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 58.	57	Y	<ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period above the predicted levelPredicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Actual noise levels (Night shift works) in this area did not trigger offers above the Respite limit.Appropriate mitigation measures being offered.No further additional mitigation measures required
9	26/11/2024 To 27/11/2024				<ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 58Due to the monitoring location being 11 m from the source of the noise and sensitive receiver being 53 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 44.	57	Y	<ul style="list-style-type: none">RBL: 41 dBAThe calculated construction related highest LAeq in work period below the predicted levelPredicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.Appropriate additional mitigation measures being offered

Table 11. Monitoring Location K: NCA 12 - (HEX516) 135m NW of 196 South Terrace, Bankstown.

Reference Number	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	26/11/2024 To 27/11/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	<ul style="list-style-type: none">TamperRegulatorRail grinderBalloon tyre dump trucks (Hydrema)Light vehiclesTrucksPayloadersHandheld powered and non-powered toolsExcavators 3T, 6 and 13T	<ul style="list-style-type: none">Construction related LAeq in period at Monitoring Location is 69Due to the monitoring location being 13 m from the source of the noise and sensitive receiver being 128 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 44.	68	Y	<ul style="list-style-type: none">RBL: 42 dBAThe calculated construction related highest LAeq in work period below the predicted levelPredicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.Appropriate additional mitigation measures being offered

Vibration Monitoring Data - Monthly Summary										
Month and Year	November 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	
Dulwich Hill Station, Concourse access Wardell Rd	Once	Attended	Y	PPV	mm/s	NA	2.6 (once off measure)	<7.5mm/s	Jack hammer asphalt removal	

Appendix A

