Water Monitoring Data - Monthly Summary

Month and Year	October 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	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	October 2024
Project	Sydenham Metro upgrade
EPL license No.	21147
EPL Weblink	https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21147&id=21147&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued
Specific EPL monitoring conditions	M7.1 - Noise monitoring

Reference Number	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	30/09/2024 To 01/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	61	67	YES	• RBL: 35 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 61 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (61 dBA) is lower than the predicted level (67 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
2	01/10/2024 To 02/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			62	67	YES	• RBL: 35 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 62 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (62 dBA) is lower than the predicted level (67 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
3	02/10/2024 To 03/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			56	67	YES	• RBL: 35 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 56 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (56 dBA) is lower than the predicted level (67 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
4	03/10/2024 To 04/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			- Highest ambient LAeq in period at Monitoring Location is 70 - Due to the monitoring location being 1m from the source of the noise and sensitive receiver being 5m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 56 (further attenuation from noise mata)	67	YES	• RBL: 35 dBA • The calculated construction related highest LAeq in work period (56 dBA) is lower than the predicted level (67 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.** • **Actual noise levels (Night shift works) in this area triggered offers for Respite.** • **No additional mitigation measures required.**
5	04/10/2024 To 05/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			59	67	YES	• RBL: 35 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 59 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (59 dBA) is lower than the predicted level (67 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
6	05/10/2024 To 06/10/2024	Night 22:00 to 08:00 (Modeled from 18:00 to 8:00)			62	67	YES	• RBL: 35 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 62 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (62 dBA) is lower than the predicted level (67 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
7	06/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			67	73	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 67 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (67 dBA) is lower than the predicted level (73 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for Respite.**
8	06/10/2024 To 07/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			55	67	YES	• RBL: 35 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 55 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (55 dBA) is lower than the predicted level (67 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
9	07/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			68	73	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 68 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (68 dBA) is lower than the predicted level (73 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for Respite.**
10	07/10/2024 To 08/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			58	67	YES	• RBL: 35 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 58 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (58 dBA) is lower than the predicted level (67 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**

Business

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	30/09/2024 To 01/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	54	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 51 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (51 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
2	01/10/2024 To 02/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			58	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 58 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (58 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
3	02/10/2024 To 03/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			53	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 53 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (53 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
4	03/10/2024 To 04/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			55	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 55 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (55 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
5	04/10/2024 To 05/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			58	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 58 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (58 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
6	05/10/2024 To 06/10/2024	Night 22:00 to 06:00 (Modeled from 18:00 to 8:00)			56	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 56 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (56 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
7	06/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			59	64	YES	• RBL: 47 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 59 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (59 dBA) is lower than the predicted level (64 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for Respite.**
8	06/10/2024 To 07/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			54	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 54 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (54 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
9	07/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			61	64	YES	• RBL: 47 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 61 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (61 dBA) is lower than the predicted level (64 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for Respite.**
10	07/10/2024 To 08/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			56	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 56 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (56 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**

Business

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	30/09/2024 To 01/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	59	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 59 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (59 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
2	01/10/2024 To 02/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			58	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 58 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (58 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
3	02/10/2024 To 03/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			57	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 57 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (57 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
4	03/10/2024 To 04/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			63	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 63 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (63 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
5	04/10/2024 To 05/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			62	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 62 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (62 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
6	05/10/2024 To 06/10/2024	Night 22:00 to 08:00 (Modeled from 18:00 to 8:00)			56	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 56 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (56 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
7	06/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			- Highest ambient LAeq in period at Monitoring Location is 62 - Excluding the following non-construction related event being identified: 6/10/2024 7:30 Urban Traffic 59 6/10/2024 12:15 Urban Siren 61 6/10/2024 13:00 Urban Traffic 60 6/10/2024 16:45 Urban Traffic 62 6/10/2024 20:00 Urban Traffic 60 - Construction related LAeq in period at Monitoring Location is 57	57	YES	• RBL: 47 dBA • LAeq15min matched predictions. • Noise monitor detect highest LAeq15min value of 57 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (57 dBA) is equal to the predicted level (57 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for Respite.**
8	06/10/2024 To 07/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			56	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 54 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (54 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
9	07/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			- Highest ambient LAeq in period at Monitoring Location is 60 - Excluding the following non-construction related event being identified: 7/10/2024 9:00 Urban Traffic 58 7/10/2024 10:30 Animal Activity 57 7/10/2024 10:45 Animal Activity 59 7/10/2024 16:45 Urban Traffic 56 7/10/2024 17:30 Urban Traffic 60 7/10/2024 20:00 Urban Traffic 57 - Construction related LAeq in period at Monitoring Location is 56	57	YES	• RBL: 47 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 56 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (56 dBA) is lower than the predicted level (57 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for Respite.**
10	07/10/2024 To 08/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			57	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 57 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (57 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**

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	30/09/2024 To 01/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	65	68	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (65 dBA) is lower than the predicted level (68 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
2	01/10/2024 To 02/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			68	68	YES	• RBL: 42 dBA • LAeq15min equal to predictions. • Noise monitor detect highest LAeq15min value of 68 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (68 dBA) is lower than the predicted level (68 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
3	02/10/2024 To 03/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			64	68	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 64 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (64 dBA) is lower than the predicted level (67 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
4	03/10/2024 To 04/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			65	68	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (65 dBA) is lower than the predicted level (68 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
5	04/10/2024 To 05/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			64	68	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 64 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (64 dBA) is lower than the predicted level (67 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
6	05/10/2024 To 06/10/2024	Night 22:00 to 08:00 (Modeled from 18:00 to 8:00)			65	68	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (65 dBA) is lower than the predicted level (68 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
7	06/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			65	69	YES	• RBL: 54 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (65 dBA) is lower than the predicted level (69 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for Respite.**
8	06/10/2024 To 07/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			- Highest ambient LAeq in period at Monitoring Location is 71 - Excluding the following non-construction related event being identified: 7/10/2024 03:45 Urban Siren 71 - Construction related LAeq in period at Monitoring Location is 65	68	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (65 dBA) is lower than the predicted level (68 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
9	07/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			68	69	YES	• RBL: 54 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 68 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (68 dBA) is lower than the predicted level (69 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for Respite.**
10	07/10/2024 To 08/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			63	68	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 63 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (63 dBA) is lower than the predicted level (68 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**

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	30/09/2024 To 01/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	62	72	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (65 dBA) is lower than the predicted level (72 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
2	01/10/2024 To 02/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			68	72	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 68 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (68 dBA) is lower than the predicted level (72 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
3	02/10/2024 To 03/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			60	72	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 60 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (60 dBA) is lower than the predicted level (72 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
4	03/10/2024 To 04/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			60	72	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 60 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (60 dBA) is lower than the predicted level (72 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
5	04/10/2024 To 05/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			61	72	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 61 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (61 dBA) is lower than the predicted level (72 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
6	05/10/2024 To 06/10/2024	Night 22:00 to 06:00 (Modeled from 18:00 to 8:00)			59	72	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 59 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (59 dBA) is lower than the predicted level (72 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
7	06/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			61	74	YES	• RBL: 54 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 61 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (61 dBA) is lower than the predicted level (74 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for Respite.**
8	06/10/2024 To 07/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			54	72	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 54 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (54 dBA) is lower than the predicted level (72 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
9	07/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			58	74	YES	• RBL: 54 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 58 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (58 dBA) is lower than the predicted level (74 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for Respite.**
10	07/10/2024 To 08/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			58	72	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 58 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (58 dBA) is lower than the predicted level (72 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**

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	30/09/2024 To 01/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (Inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	59	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 59 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (59 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
2	01/10/2024 To 02/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			58	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 58 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (58 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
3	02/10/2024 To 03/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			57	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 57 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (57 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
4	03/10/2024 To 04/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			63	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 63 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (63 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
5	04/10/2024 To 05/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			62	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 62 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (62 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
6	05/10/2024 To 06/10/2024	Night 22:00 to 08:00 (Modeled from 18:00 to 8:00)			56	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 56 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (56 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
7	06/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			- Highest ambient LAeq in period at Monitoring Location is 62 - Excluding the following non-construction related event being identified: 6/10/2024 7:30 Urban Traffic 59 6/10/2024 12:15 Urban Siren 61 6/10/2024 13:00 Urban Traffic 60 6/10/2024 16:45 Urban Traffic 62 6/10/2024 20:00 Urban Traffic 60 - Construction related LAeq in period at Monitoring Location is 57	57	YES	• RBL: 47 dBA • LAeq15min matched predictions. • Noise monitor detect highest LAeq15min value of 57 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (57 dBA) is equal to the predicted level (57 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
8	06/10/2024 To 07/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			56	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 54 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (54 dBA) is lower than the predicted level (65 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
9	07/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			- Highest ambient LAeq in period at Monitoring Location is 60 - Excluding the following non-construction related event being identified: 7/10/2024 9:00 Urban Traffic 58 7/10/2024 10:30 Animal Activity 57 7/10/2024 10:45 Animal Activity 59 7/10/2024 16:45 Urban Traffic 56 7/10/2024 17:30 Urban Traffic 60 7/10/2024 20:00 Urban Traffic 57 - Construction related LAeq in period at Monitoring Location is 56	57	YES	• RBL: 47 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 56 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (56 dBA) is lower than the predicted level (57 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
10	07/10/2024 To 08/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			57	65	YES	• RBL: 41 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 57 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (57 dBA) is lower than the predicted level (65 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
1	30/09/2024 To 01/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	65	68	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (65 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**
2	01/10/2024 To 02/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			68	68	YES	• RBL: 42 dBA • LAeq15min equal to predictions. • Noise monitor detect highest LAeq15min value of 68 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (68 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**
3	02/10/2024 To 03/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			64	68	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 64 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (64 dBA) is lower than the predicted level (67 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
4	03/10/2024 To 04/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			65	68	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (65 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**
5	04/10/2024 To 05/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			64	68	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 64 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (64 dBA) is lower than the predicted level (67 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
6	05/10/2024 To 06/10/2024	Night 22:00 to 08:00 (Modeled from 18:00 to 8:00)			65	68	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (65 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**
7	06/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			65	69	YES	• RBL: 54 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (65 dBA) is lower than the predicted level (69 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
8	06/10/2024 To 07/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			- Highest ambient LAeq in period at Monitoring Location is 71 - Excluding the following non-construction related event being identified: 7/10/2024 03:45 Urban Siren 71 - Construction related LAeq in period at Monitoring Location is 65	68	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (65 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**
9	07/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			68	69	YES	• RBL: 54 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 68 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (68 dBA) is lower than the predicted level (69 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
10	07/10/2024 To 08/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			63	68	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 63 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (63 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**

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	30/09/2024 To 01/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	62	72	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (65 dBA) is lower than the predicted level (72 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
2	01/10/2024 To 02/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			68	72	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 68 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (68 dBA) is lower than the predicted level (72 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
3	02/10/2024 To 03/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			60	72	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 60 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (60 dBA) is lower than the predicted level (72 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
4	03/10/2024 To 04/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			60	72	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 60 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (60 dBA) is lower than the predicted level (72 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
5	04/10/2024 To 05/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			61	72	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 61 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (61 dBA) is lower than the predicted level (72 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
6	05/10/2024 To 06/10/2024	Night 22:00 to 08:00 (Modeled from 18:00 to 8:00)			59	72	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 59 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (59 dBA) is lower than the predicted level (72 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
7	06/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			61	74	YES	• RBL: 54 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 61 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (61 dBA) is lower than the predicted level (74 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
8	06/10/2024 To 07/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			54	72	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 54 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (54 dBA) is lower than the predicted level (72 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
9	07/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			58	74	YES	• RBL: 54 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 58 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (58 dBA) is lower than the predicted level (74 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
10	07/10/2024 To 08/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			58	72	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 58 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (58 dBA) is lower than the predicted level (72 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
1	30/09/2024 To 01/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	60	66	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 60 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (60 dBA) is lower than the predicted level (66 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
2	01/10/2024 To 02/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			58	66	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 58 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (58 dBA) is lower than the predicted level (66 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
3	02/10/2024 To 03/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			57	66	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 57 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (57 dBA) is lower than the predicted level (66 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
4	03/10/2024 To 04/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			63	66	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 63 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (63 dBA) is lower than the predicted level (66 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
5	04/10/2024 To 05/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			60	66	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 60 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (60 dBA) is lower than the predicted level (66 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for Respite.**
6	05/10/2024 To 06/10/2024	Night 22:00 to 08:00 (Modeled from 18:00 to 8:00)			- Highest ambient LAeq in period at Monitoring Location is 65 - Excluding the following non-construction related event being identified: 6/10/2024 04:15 Urban Siren 65 - Construction related LAeq in period at Monitoring Location is 53	66	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 53 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (53 dBA) is lower than the predicted level (66 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
7	06/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			57	64	YES	• RBL: 54 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 57 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (57 dBA) is lower than the predicted level (64 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
8	06/10/2024 To 07/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			63	66	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 63 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (63 dBA) is lower than the predicted level (66 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
9	07/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			57	64	YES	• RBL: 54 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 57 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (57 dBA) is lower than the predicted level (64 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
10	07/10/2024 To 08/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			61	66	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 61 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (61 dBA) is lower than the predicted level (66 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
1	04/10/2024 To 05/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights - Mobile Crane	70	74	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 70 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (70 dBA) is lower than the predicted level (74 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
2	05/10/2024 To 06/10/2024	Night 22:00 to 08:00 (Modeled from 18:00 to 8:00)			74	74	YES	• RBL: 42 dBA • LAeq15min equals to predictions. • Noise monitor detect highest LAeq15min value of 74 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (74 dBA) is equal to the predicted level (74 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
3	06/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			78	74	YES	• RBL: 51 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 78 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (78 dBA) is higher than the predicted level (74 dBA) • **Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.** • **Actual noise levels (Day shift works) in this area triggered same offers for additional mitigation measures as predicted.** • **Additional mitigation measures being offered is valid and appropriate.** • **No further additional mitigation measures required.**
4	06/10/2024 To 07/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			- Highest ambient LAeq in period at Monitoring Location is 75 - Excluding the following non-construction related event being identified: 6/10/2024 23:45 T4 Train 75 - Construction related LAeq in period at Monitoring Location is 72	74	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 72 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (72 dBA) is lower than the predicted level (74 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
5	07/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			78	74	YES	• RBL: 51 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 78 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (78 dBA) is higher than the predicted level (74 dBA) • **Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.** • **Actual noise levels (Day shift works) in this area triggered same offers for additional mitigation measures as predicted.** • **Additional mitigation measures being offered is valid and appropriate.** • **No further additional mitigation measures required.**
6	07/10/2024 To 08/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			71	74	YES	• RBL: 42 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 71 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (71 dBA) is lower than the predicted level (74 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
1	04/10/2024 To 05/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights - Mobile Crane	67	70	YES	• RBL: 40 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 67 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (67 dBA) is lower than the predicted level (70 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
2	05/10/2024 To 06/10/2024	Night 22:00 to 08:00 (Modeled from 18:00 to 8:00)			66	70	YES	• RBL: 40 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 66 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (66 dBA) is lower than the predicted level (70 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
3	06/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			- Highest ambient LAeq in period at Monitoring Location is 72 - Due to the monitoring location being 24 m from the source of the noise and sensitive receiver being 41 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 67.	70	YES	• RBL: 41 dBA • The calculated construction related highest LAeq in work period (67 dBA) is lower than the predicted level (70 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 triggered same offers for additional mitigation measures as prediction.** • **Appropriate additional mitigation measures being offered.** • **No further additional mitigation measures required.**
4	06/10/2024 To 07/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			67	70	YES	• RBL: 40 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 67 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (67 dBA) is lower than the predicted level (70 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
5	07/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			70	70	YES	• RBL: 41 dBA • LAeq15min equal to the predictions. • Noise monitor detect highest LAeq15min value of 70 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (70 dBA) is lower than the predicted level (64 dBA) • **Predicted noise levels (Day & Evening shift works) in this area didn't trigger offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
6	07/10/2024 To 08/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			67	70	YES	• RBL: 40 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 67 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (67 dBA) is lower than the predicted level (70 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**

Business

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	04/10/2024 To 05/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights - Mobile Crane	- Highest ambient LAeq in period at Monitoring Location is 67 - Excluding the following non-construction related event being identified: 4/10/2024 22:15 ARTC Train 67 4/10/2024 22:30 ARTC Train 65 4/10/2024 23:15 ARTC Train 67 4/10/2024 23:45 ARTC Train 66 - Construction related LAeq in period at Monitoring Location is 62	66	YES	• RBL: 40 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 62 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (62 dBA) is lower than the predicted level (66 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
2	05/10/2024 To 06/10/2024	Night 22:00 to 08:00 (Modeled from 18:00 to 8:00)			- Highest ambient LAeq in period at Monitoring Location is 68 - Excluding the following non-construction related event being identified: 5/10/2024 23:00 ARTC Train 68 - Construction related LAeq in period at Monitoring Location is 57	66	YES	• RBL: 40 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 57 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (57 dBA) is lower than the predicted level (66 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
3	06/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			- Highest ambient LAeq in period at Monitoring Location is 70 - Excluding the following non-construction related event being identified: 6/10/2024 10:15 ARTC Train 68 6/10/2024 10:30 ARTC Train 65 6/10/2024 10:45 Aircraft 67 6/10/2024 11:30 ARTC Train 70 - Construction related LAeq in period at Monitoring Location is 63	66	YES	• RBL: 47 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 63 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (63 dBA) is lower than the predicted level (66 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
4	06/10/2024 To 07/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			- Highest ambient LAeq in period at Monitoring Location is 66 - Excluding the following non-construction related event being identified: 6/10/2024 23:00 ARTC Train 66 7/10/2024 3:30 ARTC Train 66 7/10/2024 6:45 Aircraft 61 - Construction related LAeq in period at Monitoring Location is 58	66	YES	• RBL: 40 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 58 dBA due to general construction noise between the hours 22:00 to 07:00. • The Highest LAeq in work period (58 dBA) is lower than the predicted level (66 dBA) • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
5	07/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			65	66	YES	• RBL: 47 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 65 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (65 dBA) is lower than the predicted level (66 dBA) • **Predicted noise levels (Day & Evening shift works) in this area did not trigger offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
6	07/10/2024 To 08/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			- Highest ambient LAeq in period at Monitoring Location is 72 - Excluding the following non-construction related event being identified: 7/10/2024 23:00 ARTC Train Horn 65 - Construction related LAeq in period at Monitoring Location is 59 - Due to the monitoring location being 25 m from the source of the noise and sensitive receiver being 50 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 63.	66	YES	• RBL: 40 dBA • The calculated construction related highest LAeq in work period (63 dBA) is lower than the predicted level (66 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 triggered same offers for additional mitigation measures as prediction.** • **Appropriate additional mitigation measures being offered.** • **No further additional mitigation measures required.**

Business

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	04/10/2024 To 05/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights - Mobile Crane	No Construction Activity			
2	05/10/2024 To 06/10/2024	Night 22:00 to 08:00 (Modeled from 18:00 to 8:00)			No Construction Activity			
3	05/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			- Highest ambient LAeq in period at Monitoring Location is 76 - Excluding the following non-construction related event being identified: 6/10/2024 21:45 ARTC Train Passing 76 - Construction related LAeq in period at Monitoring Location is 70	73	YES	• RBL: 38 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 70 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (70 dBA) is lower than the predicted level (73 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
4	06/10/2024 To 07/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			No Construction Activity			
5	07/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			68	73	YES	• RBL: 38 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 68 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (68 dBA) is lower than the predicted level (73 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
6	07/10/2024 To 08/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			No Construction Activity			

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	04/10/2024 To 05/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (Inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights - Mobile Crane	No Construction Activity			
2	05/10/2024 To 06/10/2024	Night 22:00 to 08:00 (Modeled from 18:00 to 8:00)			No Construction Activity			
3	06/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			62	75	YES	• RBL: 38 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 62 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (62 dBA) is lower than the predicted level (75 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
4	06/10/2024 To 07/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			No Construction Activity			
5	07/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			63	75	YES	• RBL: 38 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 63 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (63 dBA) is lower than the predicted level (75 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
6	07/10/2024 To 08/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			No Construction Activity			

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	04/10/2024 To 05/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights - Mobile Crane	No Construction Activity			
2	05/10/2024 To 06/10/2024	Night 22:00 to 08:00 (Modeled from 18:00 to 8:00)			No Construction Activity			
3	06/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			- Highest ambient LAeq in period at Monitoring Location is 81 - Excluding the following non-construction related event being identified: 6/10/2024 12:45 Aircraft and ARTC Train 81 - Construction related LAeq in period at Monitoring Location is 72	73	YES	• RBL: 38 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 72 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (72 dBA) is lower than the predicted level (73 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
4	06/10/2024 To 07/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			No Construction Activity			
5	07/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			- Highest ambient LAeq in period at Monitoring Location is 75 - Excluding the following non-construction related event being identified: 6/10/2024 13:45 ARTC Train Passing 75 - Construction related LAeq in period at Monitoring Location is 71	73	YES	• RBL: 38 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 71 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (71 dBA) is lower than the predicted level (73 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
6	07/10/2024 To 08/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			No Construction Activity			

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	08/10/2024 To 09/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	58	72	YES	• RBL: 35 dBA • Noise 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	09/10/2024 To 10/10/2024				66			
3	10/10/2024 To 11/10/2024				61			
4	11/10/2024 To 12/10/2024				59			
5	12/10/2024 To 13/10/2024				57			
6	13/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			63			• RBL: 41 dBA • Noise 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**
7	13/10/2024 To 14/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)			63			• RBL: 35 dBA • Noise 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	14/10/2024 To 15/10/2024				53			
9	15/10/2024 To 16/10/2024				53			
10	16/10/2024 To 17/10/2024				58			
11	17/10/2024 To 18/10/2024				49			
12	18/10/2024 To 19/10/2024				65			

Business

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	08/10/2024 To 09/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	• Highest ambient LAeq in period at Monitoring Location is 59 • Due 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 54.	54	YES	• RBL: 41 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below or matching predictions. • **Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.** • **Appropriate mitigation measures being offered**
2	09/10/2024 To 10/10/2024				- Highest ambient LAeq in period at Monitoring Location is 60 - Excluding the following non-construction related event being identified: 10/10/2024 06:30 Animal Activity 60 - Construction related LAeq in period at Monitoring Location is 52			
3	10/10/2024 To 11/10/2024				• Highest ambient LAeq in period at Monitoring Location is 59 • Due 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 54.			
4	11/10/2024 To 12/10/2024				• Highest ambient LAeq in period at Monitoring Location is 59 • Due 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 54.			
5	12/10/2024 To 13/10/2024				52			
6	13/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			• Highest ambient LAeq in period at Monitoring Location is 58 • Due 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 53.			• RBL: 47 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below predictions. • **Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.** • **Appropriate mitigation measures being offered**
7	13/10/2024 To 14/10/2024				• Highest ambient LAeq in period at Monitoring Location is 55 • Due 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.			• RBL: 47 dBA • LAeq15min below predictions. • Noise monitor detect highest LAeq15min value of 59 dBA due to general construction noise between the hours 07:00 to 22:00. • The Highest LAeq in work period (59 dBA) is lower than the predicted level (64 dBA) • **Predicted noise levels (Day & Evening shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
8	14/10/2024 To 15/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			54	69		• RBL: 41 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below or matching predictions. • **Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.** • **Appropriate mitigation measures being offered**
9	15/10/2024 To 16/10/2024				62			• RBL: 41 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below predictions. • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
10	16/10/2024 To 17/10/2024				61			
11	17/10/2024 To 18/10/2024				56			
12	18/10/2024 To 19/10/2024				54	54		• RBL: 41 dBA • Noise monitor detect highest LAeq15min value due to general construction noise matching predictions. • **Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.** • **Appropriate mitigation measures being offered**

Business

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	08/10/2024 To 09/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	55	64	YES	• RBL: 41 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below predictions. • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
2	09/10/2024 To 10/10/2024				60			
3	10/10/2024 To 11/10/2024				62			
4	11/10/2024 To 12/10/2024				62			
5	12/10/2024 To 13/10/2024				60			
6	13/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			• Highest ambient LAeq in period at Monitoring Location is 63 • Due to the monitoring location being 12 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		• RBL: 47 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below predictions. • **Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.** • **Appropriate mitigation measures being offered**
7	13/10/2024 To 14/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			57	64		• RBL: 41 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below or matching predictions. • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
8	14/10/2024 To 15/10/2024				64			
9	15/10/2024 To 16/10/2024				60			
10	16/10/2024 To 17/10/2024				58			
11	17/10/2024 To 18/10/2024				58			
12	18/10/2024 To 19/10/2024				64			

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	08/10/2024 To 09/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	65	65	YES	• RBL: 42 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below or matching predictions. • **Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.** • **Appropriate mitigation measures being offered**
2	09/10/2024 To 10/10/2024				64			
3	10/10/2024 To 11/10/2024				• Highest ambient LAeq in period at Monitoring Location is 66 • Due to the monitoring location being 12 m from the source of the noise and sensitive receiver being 124 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 46.			
4	11/10/2024 To 12/10/2024				- Highest ambient LAeq in period at Monitoring Location is 69 - Excluding the following non-construction related event being identified: 11/10/2024 22:45 Urban Traffic 66 11/10/2024 23:15 Urban Traffic 66 12/10/2024 00:45 Urban Traffic 69 - Construction related LAeq in period at Monitoring Location is 65			
5	12/10/2024 To 13/10/2024				- Highest ambient LAeq in period at Monitoring Location is 69 - Excluding the following non-construction related event being identified: 12/10/2024 22:15 Urban Traffic 68 12/10/2024 23:45 Urban Traffic 67 - Construction related LAeq in period at Monitoring Location is 65			
6	13/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			- Highest ambient LAeq in period at Monitoring Location is 68 - Excluding the following non-construction related event being identified: 13/10/2024 22:15 Urban Traffic 67 13/10/2024 23:45 Urban Traffic 66 13/10/2024 23:45 Urban Traffic 66 13/10/2024 23:45 Urban Traffic 68 13/10/2024 23:45 Urban Traffic 65 - Construction related LAeq in period at Monitoring Location is 64	65		• RBL: 54 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below predictions. • **Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.** • **Appropriate mitigation measures being offered**
7	13/10/2024 To 14/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			63	65		• RBL: 42 dBA • Noise monitor detect highest LAeq15min value due to general construction noise 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	14/10/2024 To 15/10/2024				- Highest ambient LAeq in period at Monitoring Location is 70 - Excluding the following non-construction related event being identified: 14/10/2024 22:15 Urban Traffic 65 14/10/2024 23:15 Urban Traffic 65 15/10/2024 02:45 Urban Traffic 70 15/10/2024 06:15 Urban Traffic 66 15/10/2024 06:30 Urban Traffic 64 15/10/2024 06:45 Urban Traffic 65 - Construction related LAeq in period at Monitoring Location is 64			
9	15/10/2024 To 16/10/2024				- Highest ambient LAeq in period at Monitoring Location is 66 - Excluding the following non-construction related event being identified: 15/10/2024 23:30 Urban Traffic 66 - Construction related LAeq in period at Monitoring Location is 64			
10	16/10/2024 To 17/10/2024				• Highest ambient LAeq in period at Monitoring Location is 75 • Due to the monitoring location being 12 m from the source of the noise and sensitive receiver being 124 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 55.			
11	17/10/2024 To 18/10/2024				• Highest ambient LAeq in period at Monitoring Location is 67 • Due to the monitoring location being 12 m from the source of the noise and sensitive receiver being 124 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 47.			
12	18/10/2024 To 19/10/2024				64			

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	08/10/2024 To 09/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	63	69	YES	• RBL: 42 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below predictions. • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
2	09/10/2024 To 10/10/2024				63			
3	10/10/2024 To 11/10/2024				65			
4	11/10/2024 To 12/10/2024				65			
5	12/10/2024 To 13/10/2024				• Highest ambient LAeq in period at Monitoring Location is 84 • Due to the monitoring location being 8 m from the source of the noise and sensitive receiver being 152 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 58.			
6	13/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			• Highest ambient LAeq in period at Monitoring Location is 84 • Due to the monitoring location being 8 m from the source of the noise and sensitive receiver being 152 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 58.	70		• RBL: 54 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below predictions. • **Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.** • **Appropriate mitigation measures being offered**
7	13/10/2024 To 14/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			63	69		• RBL: 42 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below predictions. • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
8	14/10/2024 To 15/10/2024				• Highest ambient LAeq in period at Monitoring Location is 71 • Due to the monitoring location being 8 m from the source of the noise and sensitive receiver being 152 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 45.			
9	15/10/2024 To 16/10/2024				• Highest ambient LAeq in period at Monitoring Location is 79 • Due to the monitoring location being 8 m from the source of the noise and sensitive receiver being 152 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 53.	70		
10	16/10/2024 To 17/10/2024				• Highest ambient LAeq in period at Monitoring Location is 73 • Due to the monitoring location being 8 m from the source of the noise and sensitive receiver being 152 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 47.	69		
11	17/10/2024 To 18/10/2024				68	70		
12	18/10/2024 To 19/10/2024				63	69		

Business

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	08/10/2024 To 09/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	56	59	YES	• RBL: 42 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below or matching predictions. • **Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.** • **Appropriate mitigation measures being offered**
2	09/10/2024 To 10/10/2024				• Highest ambient LAeq in period at Monitoring Location is 64 • Due to the monitoring location being 16 m from the source of the noise and sensitive receiver being 70 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 51.			
3	10/10/2024 To 11/10/2024				• Highest ambient LAeq in period at Monitoring Location is 71 • Due to the monitoring location being 16 m from the source of the noise and sensitive receiver being 70 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 58.			
4	11/10/2024 To 12/10/2024				- Highest ambient LAeq in period at Monitoring Location is 66 - Excluding the following non-construction related event being identified: 11/10/2024 23:30 Urban Siren 66 - Construction related LAeq in period at Monitoring Location is 56	58		
5	12/10/2024 To 13/10/2024				58			
6	13/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			58			• RBL: 54 dBA • Noise monitor detect highest LAeq15min value due to general construction noise matching predictions. • **Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.** • **Appropriate mitigation measures being offered**
7	13/10/2024 To 14/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			- Highest ambient LAeq in period at Monitoring Location is 65 - Excluding the following non-construction related event being identified: 13/10/2024 23:30 Urban Siren 65 - Construction related LAeq in period at Monitoring Location is 56	58		• RBL: 42 dBA • Noise monitor detect highest LAeq15min value due to general construction noise 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	14/10/2024 To 15/10/2024				- Highest ambient LAeq in period at Monitoring Location is 60 - Excluding the following non-construction related event being identified: 14/10/2024 22:45 Urban Siren 60 - Construction related LAeq in period at Monitoring Location is 56			
9	15/10/2024 To 16/10/2024				- Highest ambient LAeq in period at Monitoring Location is 59 - Excluding the following non-construction related event being identified: 15/10/2024 23:45 Urban Siren 59 - Construction related LAeq in period at Monitoring Location is 56			
10	16/10/2024 To 17/10/2024				57			
11	17/10/2024 To 18/10/2024				- Highest ambient LAeq in period at Monitoring Location is 64 - Excluding the following non-construction related event being identified: 17/10/2024 23:45 Urban Siren 63 18/10/2024 02:00 Urban Siren 64 - Construction related LAeq in period at Monitoring Location is 58			
12	18/10/2024 To 19/10/2024				- Highest ambient LAeq in period at Monitoring Location is 60 - Excluding the following non-construction related event being identified: 18/10/2024 23:00 Urban Siren 60 - Construction related LAeq in period at Monitoring Location is 55	59		

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	08/10/2024 To 09/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	70	74	YES	• RBL: 42 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below predictions. • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
2	09/10/2024 To 10/10/2024				68			
3	10/10/2024 To 11/10/2024				71			
4	11/10/2024 To 12/10/2024				79	79		
5	12/10/2024 To 13/10/2024				69	74		
6	13/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			No Construction within 200m Radius			
7	13/10/2024 To 14/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)						
8	14/10/2024 To 15/10/2024							
9	15/10/2024 To 16/10/2024							
10	16/10/2024 To 17/10/2024							
11	17/10/2024 To 18/10/2024							
12	18/10/2024 To 19/10/2024							

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	08/10/2024 To 09/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	64	66	YES	• RBL: 40 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below predictions. • **Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.** • **Appropriate mitigation measures being offered**
2	09/10/2024 To 10/10/2024				- Highest ambient LAeq in period at Monitoring Location is 67 - Excluding the following non-construction related event being identified: 10/10/2024 06:45 Sydney T3 Train 67 - Construction related LAeq in period at Monitoring Location is 64			
3	10/10/2024 To 11/10/2024				No Construction within 200m Radius			
4	11/10/2024 To 12/10/2024				63	66	YES	• RBL: 40 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below predictions. • **Predicted noise levels (Night shift works) in this area did not trigger offers for additional mitigation measures.** • **Appropriate mitigation measures being offered**
5	12/10/2024 To 13/10/2024				No Construction within 200m Radius			
6	13/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00						
7	13/10/2024 To 14/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)						
8	14/10/2024 To 15/10/2024							
9	15/10/2024 To 16/10/2024							
10	16/10/2024 To 17/10/2024							
11	17/10/2024 To 18/10/2024							
12	18/10/2024 To 19/10/2024							

Business

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	08/10/2024 To 09/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	- Highest ambient LAeq in period at Monitoring Location is 70 - Excluding the following non-construction related event being identified: 08/10/2024 22:30 ARTC Train 60 08/10/2024 23:45 ARTC Train 67 08/10/2024 01:45 ARTC Train 70 08/10/2024 03:00 ARTC Train 67 - Construction related LAeq in period at Monitoring Location is 54	64	YES	• RBL: 40 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below or matching predictions. • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
2	09/10/2024 To 10/10/2024				67	67		
3	10/10/2024 To 11/10/2024				- Highest ambient LAeq in period at Monitoring Location is 70 - Excluding the following non-construction related event being identified: 11/10/2024 00:30 ARTC Train 70 - Construction related LAeq in period at Monitoring Location is 67	69		
4	11/10/2024 To 12/10/2024				- Highest ambient LAeq in period at Monitoring Location is 71 - Excluding the following non-construction related event being identified: 12/10/2024 01:45 ARTC Train 71 - Construction related LAeq in period at Monitoring Location is 68			
5	12/10/2024 To 13/10/2024				69			
6	13/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			• Highest ambient LAeq in period at Monitoring Location is 71 • Due to the monitoring location being 25 m from the source of the noise and sensitive receiver being 50 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 65.			• RBL: 47 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below predictions. • **Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.** • **Appropriate mitigation measures being offered**
7	13/10/2024 To 14/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			- Highest ambient LAeq in period at Monitoring Location is 70 - Excluding the following non-construction related event being identified: 13/10/2024 23:30 ARTC Train 70 - Construction related LAeq in period at Monitoring Location is 67			• RBL: 40 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below or matching predictions. • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
8	14/10/2024 To 15/10/2024				67	68		
9	15/10/2024 To 16/10/2024				67			
10	16/10/2024 To 17/10/2024				- Highest ambient LAeq in period at Monitoring Location is 72 - Excluding the following non-construction related event being identified: 16/10/2024 22:15 ARTC Train 69 17/10/2024 05:15 ARTC Train 72 - Construction related LAeq in period at Monitoring Location is 67			
11	17/10/2024 To 18/10/2024				• Highest ambient LAeq in period at Monitoring Location is 71 • Due to the monitoring location being 25 m from the source of the noise and sensitive receiver being 50 m from the source of the noise, the calculated construction related highest LAeq at the sensitive receiver (Actual Noise level) is 65.	69		
12	18/10/2024 To 19/10/2024				68	68		

Business

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	08/10/2024 To 09/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	No Construction within 200m Radius			
2	09/10/2024 To 10/10/2024							
3	10/10/2024 To 11/10/2024				70	73	Yes	• RBL: 33 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below predictions. • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
4	11/10/2024 To 12/10/2024				68			
5	12/10/2024 To 13/10/2024				72			
6	13/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			73	74		• RBL: 38 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below predictions. • **Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
7	13/10/2024 To 14/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			68	73		• RBL: 33 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below predictions. • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
8	14/10/2024 To 15/10/2024				No Construction within 200m Radius			
9	15/10/2024 To 16/10/2024							
10	16/10/2024 To 17/10/2024							
11	17/10/2024 To 18/10/2024				67	67	Yes	• RBL: 33 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below or matching predictions. • **Predicted noise levels (Night shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
12	18/10/2024 To 19/10/2024				- Highest ambient LAeq in period at Monitoring Location is 69 - Excluding the following non-construction related event being identified: 19/10/2024 00:15 ARTC Train 69 19/10/2024 06:00 ARTC Train 68 - Construction related LAeq in period at Monitoring Location is 65	67		

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	08/10/2024 To 09/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	No Construction within 200m Radius			
2	09/10/2024 To 10/10/2024							
3	10/10/2024 To 11/10/2024							
4	11/10/2024 To 12/10/2024							
5	12/10/2024 To 13/10/2024							
6	13/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			64	73	Yes	• RBL: 38 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below predictions. • **Predicted noise levels (Day shift works) in this area triggered offers for additional mitigation measures.** • **Appropriate additional mitigation measures being offered**
7	13/10/2024 To 14/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			No Construction within 200m Radius			
8	14/10/2024 To 15/10/2024							
9	15/10/2024 To 16/10/2024							
10	16/10/2024 To 17/10/2024							
11	17/10/2024 To 18/10/2024							
12	18/10/2024 To 19/10/2024							

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	08/10/2024 To 09/10/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00)	General track related construction activities	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	No Construction within 200m Radius			
2	09/10/2024 To 10/10/2024							
3	10/10/2024 To 11/10/2024							
4	11/10/2024 To 12/10/2024							
5	12/10/2024 To 13/10/2024							
6	13/10/2024	Day 08:00 to 18:00 & Evening 18:00 to 22:00			- Highest ambient LAeq in period at Monitoring Location is 74 - Excluding the following non-construction related event being identified: Animal Activity: 07:21; 16:45 Aircraft: 07:37; 09:25; 09:46; 10:56; 11:16; 11:46; 12:07; 12:34; 12:56; 14:35; 15:13; 15:41; 17:04; 17:35; 17:50; 18:54; 19:22; 19:42; 20:04; 20:25; 20:43; 21:06; ARTC Train: 08:27; 08:47; 09:02; 10:35; 13:12; 13:55; 14:51; 16:26; 18:05; 18:34; 21:26; 21:45 Construction related LAeq in period at Monitoring Location is 57	58	Yes	• RBL: 38 dBA • Noise monitor detect highest LAeq15min value due to general construction noise below predictions. • **Predicted noise levels (Day shift works) in this area did not trigger offers for additional mitigation measures.** • **Appropriate mitigation measures being offered**
7	13/10/2024 To 14/10/2024	Night 22:00 to 8:00 (Modeled from 18:00 to 8:00)			No Construction within 200m Radius			
8	14/10/2024 To 15/10/2024							
9	15/10/2024 To 16/10/2024							
10	16/10/2024 To 17/10/2024							
11	17/10/2024 To 18/10/2024							
12	18/10/2024 To 19/10/2024							

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	• Excavators 3T, 6 and13T (Inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	64	71	YES	• RBL: 35 dBA • Noise 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		• RBL: 41 dBA • Noise 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		• RBL: 35 dBA • Noise 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							
6	23/10/2024 To 24/10/2024							
7	24/10/2024 To 25/10/2024				63	66	YES	• RBL: 35 dBA • Noise 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		
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	• RBL: 41 dBA • Noise 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				61	72	YES	• RBL: 35 dBA • Noise 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		• RBL: 41 dBA • Noise 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		• RBL: 35 dBA • Noise 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

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	• Excavators 3T, 6 and13T (Inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	No Work Within 200m			
2	20/10/2024	Day 06:00 to 18:00 & Evening 18:00 to 22:00			• Highest ambient LAeq in period at Monitoring Location is 70 • Excluding the following non-construction related event being identified: 20/10/2024 13:45 Urban Siren 56 20/10/2024 15:15 Animal Activity 62 20/10/2024 15:30 Animal Activity 56 20/10/2024 16:45 Animal Activity 70 20/10/2024 17:00 Urban Traffic 57 20/10/2024 18:15 Urban Siren 56 • Construction related LAeq in period at Monitoring Location is 55	55	YES	• RBL: 47 dBA • Noise 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 06:00 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 06:00 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						

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 activties	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	• Highest ambient LAeq in period at Monitoring Location is 56 • Excluding the following non-construction related event being identified: 19/10/2024 22:30 Urban Traffic 56 19/10/2024 23:15 Urban Traffic 55 20/10/2024 0:45 Urban Traffic 55 20/10/2024 5:30 Urban Traffic 55 • Construction related LAeq in period at Monitoring Location is 53	53	Yes	• RBL: 41 dBA • Noise 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			• Highest ambient LAeq in period at Monitoring Location is 63 • Due 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		• RBL: 47 dBA • The 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)			• Highest ambient LAeq in period at Monitoring Location is 58 • Excluding the following non-construction related event being identified: 21/10/2024 1:00 Aircraft 58 21/10/2024 6:15 Urban Traffic 55 21/10/2024 6:30 Urban Traffic 54 21/10/2024 6:45 Urban Traffic 57 • Construction related LAeq in period at Monitoring Location is 54 • Due 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		• RBL: 41 dBA • The 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				• Highest ambient LAeq in period at Monitoring Location is 59 • Excluding the following non-construction related event being identified: 21/10/2024 23:30 Urban Traffic 59 • Construction related LAeq in period at Monitoring Location is 56 • Due 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		• RBL: 41 dBA • The 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							
7	24/10/2024 To 25/10/2024				58	63	Yes	• RBL: 41 dBA • Noise 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	• RBL: 47 dBA • Noise 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	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				55	63	Yes	• RBL: 41 dBA • Noise 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	Day 08:00 to 18:00 & Evening 18:00 to 22:00			60	62		• RBL: 47 dBA • Noise 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**
19	03/11/2024 To 04/11/2024	Night 22:00 to 7:00 (Modeled from 18:00 to 7:00			56	63		• RBL: 41 dBA • Noise 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**

Business

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	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	No Work Within 200m			
2	20/10/2024	Day 06:00 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)			• Highest ambient LAeq in period at Monitoring Location is 67 • Excluding the following non-construction related event being identified: 24/10/2024 22:45 Urban Traffic 64 25/10/2024 6:00 Urban Traffic 64 25/10/2024 6:15 Urban Traffic 67 25/10/2024 6:30 Urban Traffic 64 • Construction related LAeq in period at Monitoring Location is 63 • Due 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	• RBL: 42 dBA • The 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 06:00 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							
14	30/10/2024 To 31/10/2024	Night 22:00 to 7:00 (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 06:00 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						

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	• Excavators 3T, 6 and13T (Inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	No Work Within 200m			
2	20/10/2024	Day 06:00 to 18:00 & Evening 18:00 to 22:00			• Highest ambient LAeq in period at Monitoring Location is 69 • Excluding the following non-construction related event being identified: 20/10/2024 21:45 Urban Traffic 69 • Construction related LAeq in period at Monitoring Location is 67	67	Yes	• RBL: 54 dBA • Noise 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				• Highest ambient LAeq in period at Monitoring Location is 67 • Excluding 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 62 • Construction related LAeq in period at Monitoring Location is 62 • Due 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	• RBL: 42 dBA • The 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							
10	27/10/2024	Day 06:00 to 18:00 & Evening 18:00 to 22:00			• Highest ambient LAeq in period at Monitoring Location is 70 • Due 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	• RBL: 54 dBA • The 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							
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 06:00 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						

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	• Excavators 3T, 6 and13T (Inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	No Work Within 200m			
2	20/10/2024	Day 06:00 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 06:00 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				• Highest ambient LAeq in period at Monitoring Location is 71 • Excluding the following non-construction related event being identified: 29/10/2024 1:30 ARTC Train 68 29/10/2024 5:00 ARTC Train 71 • Construction related LAeq in period at Monitoring Location is 66 • Due to the monitoring location being10 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.	58	Yes	• RBL: 33 dBA • The 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				• Highest ambient LAeq in period at Monitoring Location is 68 • Excluding the following non-construction related event being identified: 30/10/2024 4:30 ARTC Train 68 30/10/2024 6:15 ARTC Train 67 • Construction related LAeq in period at Monitoring Location is 67 • Due to the monitoring location being10 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.			• RBL: 33 dBA • The 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				• Highest ambient LAeq in period at Monitoring Location is 71 • Excluding 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 67 • Construction related LAeq in period at Monitoring Location is 67 • Due to the monitoring location being10 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.			• RBL: 33 dBA • The 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				• Highest ambient LAeq in period at Monitoring Location is 69 • Excluding 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 65 • Construction related LAeq in period at Monitoring Location is 63 • Due to the monitoring location being10 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.			• RBL: 33 dBA • The 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.**
16	01/11/2024 To 02/11/2024				No Work Within 200m			
17	02/11/2024 To 03/11/2024							
18	03/11/2024	Day 06:00 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						

Business

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	• Excavators 3T, 6 and13T (Inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	No Work Within 200m			
2	20/10/2024	Day 06:00 to 18:00 & Evening 18:00 to 22:00			63	76	Yes	• RBL: 38 dBA • Noise 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 06:00 to 18:00 & Evening 18:00 to 22:00			63	76	Yes	• RBL: 38 dBA • Noise 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 06:00 to 18:00 & Evening 18:00 to 22:00			73	76	Yes	• RBL: 38 dBA • Noise 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			

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	• Excavators 3T, 6 and13T (Inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane				
2	20/10/2024	Day 06:00 to 18:00 & Evening 18:00 to 22:00			• Highest ambient LAeq in period at Monitoring Location is 66 • Excluding the following non-construction related event being identified: 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 • Construction related LAeq in period at Monitoring Location is 69 • Due 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.	63	Yes	• RBL: 38 dBA • The 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**
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 06:00 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 06:00 to 18:00 & Evening 18:00 to 22:00			• Highest ambient LAeq in period at Monitoring Location is 78 • An Excavator identified idling adjacent to the noise moinitor • Due 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	• RBL: 38 dBA • The 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						

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	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	63	64		• RBL: 38 dBA • Noise 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	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	• Excavators 3T, 6 and13T (inc jack hammer attachments) • Balloon tyre dump trucks (Hydrema) • Light vehicles • Trucks • Payloader • Handheld powered and non-powered tools • Vac Trucks • EWP/telehandler • Front-end loader • Concrete truck and line pump • Portable Generators • Compressors • Compactor • Bogie • Water pumps • 4T Dumpy • Site lights • Mobile Crane	• Highest ambient LAeq in period at Monitoring Location is 56 • Excluding 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 64 • Construction related LAeq in period at Monitoring Location is 61	63		• RBL: 38 dBA • Noise 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**

Vibration Monitoring Data - Monthly Summary

Month and Year	October 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	M7.2 - Vibration monitoring

Start Date	Finish Date	Start Time	Finish Time	Type of Monitoring (Complaint/New Activity/Inquiry)	Sensitive Receiver/Address of monitoring location	Distance to activity (m)	Key activity occurring including plant list.	Criteria	Compliance target	Observed Vibration	Notes
21/10/2024	21/10/2024	10:30	11:30	New Activity	Sydney Train Bankstown Station & Platform	47	Auger Piling Rig	VDV	<0.4 $m/s^{1.75}$	0.012$m/s^{1.75}$	The NSW EPA "Assessing Vibration: a technical guideline" dated February 2006 (AVTG) recommends the use of BS 6472-1992 for the purpose of assessing vibration in relation to human comfort. Vibration dose values are considered appropriate for the assessment of non-continuous vibration sources associated with construction. The vibration dose value depends on both the level and duration of the short-duration vibration event, as well as the number of events occurring during the daytime or night-time period.
21/10/2024	21/10/2024	13:00	13:30	New Activity	Sydney Train Bankstown Station & Platform	20	Vibratory Soil Compactors	VDV	<0.4 $m/s^{1.75}$	0.02$m/s^{1.75}$	
24/10/2024	24/10/2024	12:00	12:15	New Activity	Sydney Train Bankstown Station & Platform	28	Excavator with jackhammer attachment	VDV	<0.4 $m/s^{1.75}$	0.006$m/s^{1.75}$	
29/10/2024	29/10/2024	8:45	9:45	New Activity	Sydney Train Bankstown Station & Platform	47	Compressor and jackhammer	VDV	<0.4 $m/s^{1.75}$	0.003$m/s^{1.75}$	