

November 2018 Noise Monitoring



Licensee: Laing O'Rourke Australia Construction Pty Ltd

Premises: Woolgoolga to Ballina Pacific Highway Upgrade Project, Harwood NSW 2465

Licence No: 20713

Contractor	Type of Noise Monitoring - Monthly or OOHW	Date of noise monitoring	Time of Noise Monitoring	Location	RBL (for OOHW noise monitoring)	Noise Monitoring Results						Comments
						Laeq	Lafmax	Lzpk	Lafmin	Laf10	Laf90	
SWC	OOHW	14/11/2018	18:25:00	37 Old Six Mile Lane	37	39.6	60.6		28.7	35.9	31.7	OOHW Sawcutting. Traffic on local road network and the insects/birds were the main dominant noise source.
BGC	Monthly	12/11/2018	9:00:00	5 Jubilee St Townsend	43	61	78.6	90.6	52.1	63.2	56	A lot of background noise from Jubilee Street and existing highway traffic.
BGC	Monthly	13/11/2018	14:40:00	32 Jubilee St Townsend	43	69.6	90.6	99.2	52.1	72.6	58.9	Constant local traffic passing near the property at high speed on Jubilee Street and existing Pacific Highway
SEE Civil	Monthly	5/11/2018	9:45:00	7 Plater Crescent, Townsend	43	49.3	66.6		41.5	59.7		Main noise sources were traffic noise from Local roads and the highway to the west. Construction work only slightly audible when traffic noise subsided once or twice during the monitoring event
BMD	OOHW	12/11/2018	20:20:00	1 Jackybulbin Road, Mororo	46	51.9	62.3		45.5	54.6	49	Insects/frogs in background main influence on record hum from light tower audible but not registering. Trucks on highway 56 dB(A) - 65 dB(A). Construction inaudible. NML = 51 dB(A) works considered compliant.
BMD	OOHW	12/11/2018	20:45:00	6530 Pacific Highway Jackybulbin	46	64.5	78.3		35.7	69.8	42.2	Highway main influence on record up to 75 dB(A). Construction inaudible.
BMD	OOHW	20/11/2018	19:55:00	7175 Pacific Highway	46	55.4	69.6		42.5	59.3	47.9	Highway Traffic main influence on record with trucks peaking at 65 dB(A). Construction inaudible.
BMD	Monthly	23/11/2018	13:05:00	6530 Pacific Highway Jackybulbin	46	62	75.2		43.2	66.1	48.5	Dominant noise source: Southbound and northbound traffic on the Pacific Highway 63.6 dB(A) with peaks of 72.7 dB(A). Local noise sources: dogs barking 58.7 - 73.3 dB(A). Water truck audible from works 53.1 dB(A). Lull in traffic 48dB(A).
BMD	Monthly	23/11/2018	11:30:00	1 Jackybulbin Road, Mororo	57.1	62	79.4		44.0	52.6	47.2	Dominant noise source: Oversize trucks on Jackybulbin Road 75.4 - 79.3 dB(A). Pacific Highway traffic 53.7-57.4 dB(A). Excavator at Gate 102.7 south 52.4 dB(A). Trucks entering and exiting gate 102.7 south 53 dB(A).
Boral	OOHW	15/11/2018	22:12:00	Lot 13, DP1184890	35	47.5	48.7		41.6	28.8	78.1	highway trucks in the background. Loud at times. Insects etc.
Golding	OOHW	12/11/2018	21:30:00	Ryans Lane	39	48.4	49.7		42.9	35.5	76.3	Trucks on highway. Wildlife - Insects and farm animals
Golding	OOHW	12/11/2018	1:30:00	Ryans Lane	35	46.8	45.1		40.9	30.5	76	Trucks on highway. Wildlife - Insects and farm animals
Golding	OOHW	26/11/2018	21:10:00	Lot 80, DP1193425 - Garrett's Lane (West)	35	69.7	76.2		61.8	73.8	62.2	
SEE Civil	OOHW	4/11/2018	11:25:00	Farlows Lane, Farlow's Flat	45	56	69.7		41.1	59.2		Main noise source was traffic noise from the highway to the east. Water cart not audible during the monitoring event. Exceedance of NML by 6dB is not considered to be attributable to construction, as works were not audible above highway noise during the monitoring event.
SEE Civil	OOHW	15/11/2018	18:05:00	Farlows Lane, Farlow's Flat	44	53.9	67.4		38.4	58.3	43.5	Main noise source was traffic noise from the highway to the east. Construction work only slightly audible when traffic noise subsided three or four times during the monitoring event. Exceedance of NML by 4.9dB is not considered to be attributable to construction, as works were not audible above highway noise for the majority of the monitoring event.
SEE Civil	OOHW	28/11/2018	6:45:00	Farlows Lane, Farlow's Flat	39	55.8	76.9		45.8	58.3	49.5	Main noise source was traffic noise from the highway to the east. Construction work only slightly audible when traffic noise subsided three or four times during the monitoring event. Exceedance of NML by 11.8dB is not considered to be attributable to construction, as works were not audible above highway noise for the majority of the monitoring event.
BHA	OOHW	4/11/2018	12:20 - 13:00	Corner of Chatsworth Rd and Carrols Lane	37	47.6	74.1		52.2	42.3	35.8	Trucks driving past along Chatsworth Rd major cause of noise. Farm activity and Pacific Highway dominant audible noises.
BHA	OOHW	7/11/2018	18:15 - 19:00	Serpentine Channel South Bank Road	37	48.5	72.8		56.7	49	44	traffic from Pacific Highway and bird calls were dominant noise sources. Multiple cane trucks drove past while monitoring. Construction noise was not audible.
BHA	OOHW	22/11/2018	06:07 to 6:37	51 Garretts Lane Mororo NSW	35	53.5	71.05	85.55	43.4	56.05	46.95	Attended noise monitoring for out of hours deck pour, Main noise source was the traffic noise from the Pacific Highway.
CPB	OOHW	31/10/2018	19:02:00	#1654 Tuckombil Rd	42	51.3	56.3	NA	41.9	54.2	45.6	
LendLease	Monthly	16/11/2018	12:40:00	NMP01 (10950 Pacific Highway)	41	55.9	76.1	105.4	37.5	59.1	40	Main contributing noise source: Traffic & Birds No R2B construction activities audible
LendLease	Monthly	16/11/2018	13:02:00	NMP02 (1184 Pacific Highway)	41	60.7	83.8	114.5	40.0	64.1	45	Main contributing noise source: Traffic & Cicadas No R2B construction activities audible

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LendLease	Monthly	16/11/2018	10:55:00	NMP03 (1202 Wardell Rd)(R242)	41	58.9	82.5	106.6	46.2	60.1	51.4	Main Contributing noise source: R2B construction activities Extraneous noise sources: Cicadas, Wind in trees, local traffic & birds Reading was below modelled/approved noise scenario as detailed within the CCNVMP.
LendLease	Monthly	16/11/2018	11:18:00	NMP04 (1175 Wardell Rd)(R245)	41	54.8	77	96.9	41.5	54.4	44	Main Contributing noise source: R2B construction activities Extraneous noise sources: Cicadas, Wind in trees, local traffic & birds Reading was below modelled/approved noise scenario as detailed within the CCNVMP.
LendLease	Monthly	16/11/2018	10:27:00	NMP05 (848 Pimlico Rd)	41	54.4	79.6	99.7	35.1	46.4	39	Main contributing noise source: Traffic, Crickets chirping, Birds & Resident hammering No R2B construction activities audible
LendLease	Monthly	16/11/2018	10:03:00	NMP06 (109 Meridian Drive)	41	52.3	73.8	96.5	32.1	53.6	36.8	Main contributing noise source: Traffic, Dogs barking & Birds No R2B construction activities audible
LendLease	Monthly	16/11/2018	9:16:00	NMP07 (3 McAndrews Lane)	41	53.9	83.3	101.3	37.5	48.7	41.1	Main contributing noise source: Traffic & Birds No R2B construction activities audible
LendLease	Monthly	16/11/2018	9:39:00	NMP08 (55 Whytes Lane West)	41	49.5	73.7	95.1	36.1	50.8	39.6	Main contributing noise source: Agricultural activities, Birds & Traffic No R2B construction activities audible
LendLease	Monthly	16/11/2018	14:22:00	NMP09 (151 Uralba Rd)	41	57.4	79.7	107.6	46.1	56.6	48.8	Main contributing noise source: Traffic No R2B construction activities audible
LendLease	Monthly	19/11/2018	6:21:00	R239 10 Hillside Lane	35	47.5	62.6	78.8	41.0	49.7	43.7	Main contributing noise source: R2B construction activities - Batch Plant Extraneous noise sources: local traffic & birds Reading was below modelled/approved noise scenario as detailed within the CCNVMP.
Quickway	OOHW	9/11/2018	6:15:00	X: 541902, Y: 6793708, 323 Old Bagotville Rd - Bridge D03 Deck pour	38	42.6	51.7	53.2	36.3	40.1	49.7	Representative noise monitoring undertaken during first deck pour. OOHW noise source not audible from nearest sensitive receiver. Noise dominated by natural background noise. (Noise source >800m away)
Quickway	OOHW	9/11/2018	18:01:00	X: 541902, Y: 6793708, 323 Old Bagotville Rd - Bridge D03 Deck curing	38	41.3	53.7	55.1	33.6	40.7	37.8	OOHW Noise monitoring undertaken during representative period as agreed with PC. OOHW noise source not audible from nearest sensitive receiver. Noise dominated by natural background noise. (Noise source >800m away)
Quickway	OOHW	13/11/2018	6:40:00	X: 542569, Y: 6798844, 1202 Wardell Road, Wardell. Deck pour.	38	65.3	92.8	94.9	44.3	67.4	50	Monitoring undertaken during first deck pour at D06. Due to the close proximity to Wardell Road, the construction noise source was dominated by constant passing morning traffic. Construction noise was audible, but not obtrusive being less than that of the passing traffic. No complaints were received as a result of either deck pour.
Quickway	OOHW	13/11/2018	18:11:00	X: 542515, Y: 6798712, 10 Hillside Lane, Wardell. Deck curing	38	50.7	80.3	80.8	36.8	52.2	40.9	OOHW Noise monitoring undertaken during representative period. Noise source not audible from this residence. Noise dominated by background noise (Birds/Traffic.) Lafmin = 36.8. This was the minimum noise level recorded throughout the monitoring period. With the generator running 100% of the monitoring period, it can be inferred that the generator was <=36.8dB at the monitoring point. Note: This resident called the following day specifically to thank Quickway for ensuring the noise was minimised as they could not hear the generator through the night.
Quickway	OOHW	13/11/2018	18:36:00	X: 542569, Y: 6798844, 1202 Wardell Road, Wardell. Deck curing	38	59.9	89.3	89.5	32.4	56.2	38.2	OOHW Noise monitoring undertaken during representative period. Noise source not audible from nearest sensitive receiver. Noise dominated by natural background noise (Traffic/Breeze.) Lafmin = 32.4. This was the minimum noise level recorded throughout the monitoring period. With the generator running 100% of the monitoring period, it can be inferred that the generator was <=32.4dB at the monitoring point. Note: Residents were present during monitoring and advised they could not hear the generator.
Quickway	OOHW	21/11/2018	6:05:00	X: 545639, Y: 6799637, 153 Kays Road, Wardell. Deck pour.	38	44.6	53.7	54.9	34.5	41.1	47.3	OOHW Noise monitoring undertaken during representative period as agreed with PC. OOHW noise source not audible from nearest sensitive receiver. Noise dominated by natural background noise. (Noise source >800m away)

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Quickway	OOHW	22/11/2018	18:01:00	X: 545639, Y: 6799637. 153 Kays Road, Wardell. Deck curing	38	48.2	76.6	77.8	38.5	48.5	40.3	OOHW Noise monitoring undertaken during representative period. Noise source not audible from nearest sensitive receiver. Noise dominated by natural background noise (Breeze/birds.) Lafmin = 38.4. This was the minimum noise level recorded throughout the monitoring period. With the generator running 100% of the monitoring period, it can be inferred that the generator was <=38.5dB at the monitoring point. Note: Resident was present during monitoring and advised he could not hear the generator.
AFHJV	Monthly	30/11/2018	9:57:00	1 Petticoat Lane (R1331)	45	52.3	66.3	-	43.9	55	47.6	
AFHJV	Monthly	30/11/2018	9:38:00	8 Martin Road (R1283)	45	52.4	70.3	-	44.4	54.5	48.9	
AFHJV	Monthly	30/11/2018	9:20:00	40 Morpeth Street (R1396)	45	50.6	62.9	-	42.6	53.2	46.5	
AFHJV	Monthly	30/11/2018	8:58:00	35 James Creek Road (R1256)	45	51.8	70.2	-	43.5	52.4	46.7	
AFHJV	OOHW	21/11/2018	5:02:00	526 Yamba Road (R1270)	39	60.2	75.9	-	44.0	-	-	Expansion Joint Peir 10
AFHJV	OOHW	16/11/2018	6:19:00	56 Morpeth St (R1403)	39	57.9	73.9	-	45.8	-	-	Expansion Joint Abutment B
AFHJV	OOHW	2/11/2018	5:44:00	25 James Creek Rd (R1256)	39	55.5	76.3	-	45.5	53.5	48.5	Expansion Joint Abutment A
LendLease	OOHW	15/11/2018	20:35:00	Gate 145	41	63.9	92.7	113.6	51.1	65.6	53.6	RRB construction activities were audible during the reading when there was little to no background noise. Background noise consisted of crickets and other insects peaking between 53-54 dbA, a CPB site and traffic on the Pacific Highway peaking at 60-63 dbA. Traffic on the Pacific Highway consisted of: 63 cars peaking at 58-60 dbA and 43 trucks peaking at 63-66 dbA. Traffic was the dominant noise source. Construction was not the dominant noise source.
Georgiou	OOHW	29/10/2018	10:05pm	83 Smith Drive	54.7	51.1	75.6	111.2	41.3	51	43	
Georgiou	OOHW	29/10/2018	10:25pm	55 Pimlico road	51	48.7	66.1	106.3	39.2	48	40	
Georgiou	Monthly	21/11/2018	11:15am	83 Smith Drive	62.8	60.3	86.4	116.4	46.2	58.2	48	
Georgiou	Monthly	21/11/2018	11:40am	55 Pimlico road	58.3	57.6	79.4	104.8	43.9	54.9	45	
Georgiou	OOHW / Monthly	22/11/2018	6:15am	83 Smith Drive	54.7	51.3	77.6	111.2	43.9	52	44	
Georgiou	OOHW / Monthly	22/11/2018	6:35am	55 Pimlico road	51	49.8	72.6	101.6	40.2	49	41	
Georgiou	OOHW / Monthly	24/11/2018	2:15pm	83 Smith Drive	62.8	61.4	82.6	117.6	42.9	60	45	
Georgiou	OOHW / Monthly	24/11/2018	2:45pm	55 Pimlico Road	58.3	57.1	79.5	112.4	39.4	55	41	