

January 2019 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	23/01/2019	18:15	Receptor ID 684	39	42.6	55		28.7	35	32.4	Pacific Highway dominant noise (55db)
BGC	OOHW	25/01/2019	6:07AM	5 Jubilee St, 300m from works	39	64.4	80.3	94	46.9	68.8	52.3	Dominant source of noise is existing highway and Jubilee St traffic. Site activities not audible from sensitive receiver location.
BHA JV	OOHW	17/01/2019	0:00	Serpentine Chann50 Serpentine Channel South Bank Road (Lot 1/ DP 370487)el Rd	35	38.4	41.7	69.5	34.9	40.3	36.3	Highway traffic, cane trucks driving past and bird noises were the loudest sounds heard during the auditory assessment. BHA conducting a concrete pour >600m away was not audible.
BMD	Monthly	19/12/2018	10:28	1 Jackybulbin Road, Mororo	46	59.5	87.6		43	54.9	47.6	Local traffic 74.8 dB(A) with peaks at 85.8 dB(A). Dog barking 56dB(A). Pacific Highway traffic 48.4dB(A) with peaks at 55.2dB(A). Trucks entering site gate 52.2dB(A) with peaks at 54.2dB(A). Only construction noise audible from construction gate traffic.NML = 56 dB(A)
BMD	Monthly	19/12/2018	11:02	6530 Pacific Highway Jackybulbin	46	65	77.3		43.7	68.7	54.9	Pacific Highway traffic main influence on record. Traffic up to 67.7dB(A) with peaks at 75dB(A). Dogs barking throughout the whole recording 65.9dB(A) with peaks at 68.3dB(A). Refuelling 50.3dB(A). Background noise 45.8 dB(A). NML = 56 dB(A)
BMD	OOHW joint cleaning and sealing	13/01/2019	15:28	1 Jackybulbin Road, Mororo	46	52.8	64.2		40.1	62.1	45.6	Dominant noise source: traffic on the Pacific Highway and local traffic on Jackybulbin Road 63.0 dB(A) with peaks of 64.2 dB(A). Background noise 38.9 dB(A). Construction inaudible from monitoring point. NML = 56dB(A)
BMD	OOHW Surveying works	20/01/2019	11:00	Project boundary near sensitive receiver - E	46	55.2	66		42.6	60	46.3	Dominant noise source: Traffic on the Pacific Highway 60 dB(A) with peaks of 63 dB(A) Compression brakes from trucks on the Pacific Highway 64dB (A). Surveying inaudible from monitoring point. NML = 56 dB(A)
BMD	Monthly	29/01/2019	7:47	1 Jackybulbin Road, Mororo	46	59.9	80.7		44.5	59.1	48.5	Local traffic on Jackybulbin Road 68.-8-78.6dB(A) with peaks of 79.4dB(A). Pacific Highway traffic 55.1-58.0 dB(A). Excavator, watercart and construction gate traffic 48.3-54.2dB(A). Background 45.6dB(A). NML = 56 dB(A)
BMD	Monthly	29/01/2019	10:46	6530 Pacific Highway Jackybulbin	46	61.7	75.3		45.6	65.2	51.3	Pacific Highway traffic dominant noise source. Traffic up 61.3-70.7dB(A) with peaks at 73.8dB(A). Construction works were audible during lulls in traffic - excavator operation 50.0-55.2dB(A), body truck onsite 57.2-60.2dB(A) and truck and dog onsite 53.7dB(A). Background noise 48.5 dB(A). NML = 56 dB(A)
Golding	OOHW	5/02/2019	20:53	Lot 80, DP1193425	40	48	80.3		38.2	47.8	41.9	JAN19-004: Notable noises from air compressor intermittently throughout works, heavy vehicles on highway and milling machine
SEE Civil	OOHW	22/01/2019	18:00	9 Old Pacific Highway - (close receiver located - Lot 60 on DP802939)	42	59.9	71.1		36.4	64.4	44.7	Main noise source was traffic noise from the existing and old Pacific highway located directly to the west. Exceedance of NML by 12.9dB is not considered to be attributable to construction, as works were not audible above highway noise at any time during the monitoring event.
SEE Civil	OOHW	23/01/2019	18:05	9 - 15 Schwonberg Street, Townend	44	59.1	64.8		46.3	63.1	50.1	Main noise sources were traffic noise from the highway to the west and OOHW construction works (audibles only when traffic from Pacific High subsided). Exceedance of NML by 10.1dB in not considered to be only partly attributable to construction as noise from work was only audible when highway traffic subsided substantially
CPB	OOHW	16/01/2019	0:00	Swann Bay Road New Italy	(From NVMP) 42 (Recorded RBL 54)	66	74.1	86.9	46.9	54.2	54	Monitoring location 150m from nearest resident due to access restrictions. Predominant noise source, insects and vehicles from adjacent parking area at New Italy.
LendLease	Monthly	9/01/2019	12:03	NMP01 (10950 Pacific Highway)	41	41.8	65.6	89.3	36.8	43.1	38.6	Main contributing noise source: Ocean waves, birds, cicadas No R2B construction activities audible
LendLease	Monthly	9/01/2019	12:29	NMP02 (1184 Pacific Highway)	41	42.8	57.6	79.5	34.4	44.8	38.5	Main contributing noise source: Traffic from Pacific Highway, cicadas, birds No R2B construction activities audible
LendLease	Monthly	9/01/2019	8:57	NMP03 (1202 Wardell Rd)(R242)	41	59.8	59.8	89.1	52.8	61.3	55.4	Main contributing noise source: R2B Activities - Paver, Grader on D06, LV's, Tipper, Watercart & Streetsweeper Extraneous noise sources: Cicadas, Birds, Traffic Reading was below modelled/approved noise scenario as detailed within the CCNVMP.
LendLease	Monthly	9/01/2019	8:31	NMP04 (1175 Wardell Rd)(R245)	41	62.5	62.5	82.7	50.5	66.1	52.4	Main contributing noise source: R2B Activities - Paving operations Extraneous noise sources: Birds, Traffic Reading was below modelled/approved noise scenario as detailed within the CCNVMP
LendLease	Monthly	10/01/2019	10:05	NMP05 (848 Pimlico Rd)	41	55.9	81.5	99	44.1	51.6	46	Main contributing noise source: Traffic from highway and local road (12 cars) No R2B construction activities audible
LendLease	Monthly	10/01/2019	10:30	NMP06 (109 Meridian Drive)	41	55.7	78.3	93.7	42.4	56.6	47.6	Main contributing noise source: Traffic from Pacific Highway No R2B construction activities audible
LendLease	Monthly	10/01/2019	10:55	NMP07 (3 McAndrews Lane)	41	53.3	79	96.1	43.2	53	46.4	Main contributing noise source: Traffic No R2B construction activities audible

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LendLease	Monthly	10/01/2019	11:21	NMP08 (55 Whytes Lane West)	41	48.2	58.4	83.5	41	50.5	43.9	Main contributing noise source: Agricultural activities, Birds & Traffic No R2B construction activities audible
LendLease	Monthly	10/01/2019	12:11	NMP09 (151 Uralba Rd)	41	68.7	79.4	92.8	53.7	73.1	59.3	Main contributing noise source: Traffic from Pacific/Brunxner, cicadas No R2B construction activities audible
LendLease	OOHW	8/01/2019	18:27	R239 (10 Hillside Lane)	41	48.4	68	80.8	38.6	51.6	41.8	R2B audible during reading (concrete cutting operations) Extraneous noise sources: birds, wind in trees, distant traffic Reading was below modelled/approved noise scenario as detailed within the CCNVMP
LendLease	OOHW	9/01/2019	6:26	R240 (560 Hillside Lane)	38	44.8	57.7	82.7	40	46.8	42.3	R2B audible during reading (batch plant operations) Extraneous noise sources: birds, wind in trees, distant traffic Reading was below modelled/approved noise scenario as detailed within the CCNVMP
LendLease	OOHW	24/01/2019	6:33	R164 (302 Lumleys Lane, Wardell)	38	49.8	60.1	78.9	43.1	51	47	R2B not audible during reading (concrete hand pour D56). Extraneous noise sources: Roosters at sensitive receivers property, dog barking, traffic from Wardell Rd, local resident using Lumleys lane.
Quickway	OOHW D10 SB Deck Pour	18/01/2019	6.30am	X: 546307, Y: 6800873, 16 Coolgardie Road, Wardell (At Boundary)	38	60.2	82.3	89.8	54.7	61.8	56.9	First Deck Pour at D10. No access was provided to nearest residence as gate was unexpectedly locked. Exceedance was due to monitoring being undertaken in close proximity to deck pour construction activities at property boundary only, rather than within 30m of the resident's house (House was ~100m away - See image) Noise was dominated by construction activities. No noise complaints were received. Upon enquiry by Quickway, the resident stated they had no issues with the noise from the works. Note: Due to inadequate access during first pour, additional representative monitoring was undertaken within 30m of property for the same activity during the second deck pour on 31/01/19 at this location to provide more accurate data. See below.
Quickway	OOHW D10 NB Deck Pour	31/01/2019	6.30am	X: 546233, Y: 6800927, 16 Coolgardie Road, Wardell (At House)	38	53.4	66.2	83	46.3	55.3	50.4	Second Deck Pour at D10. Representative monitoring undertaken during second deck pour at D10 on 31/01/19 to provide more accurate noise levels at the residence. This additional monitoring demonstrated noise levels not exceeding those predicted in initial noise modelling in the approved OOHW application for the works. (Predicted LAeq = 56dB, Actual LAeq = 53.4dB). Noise levels at residence were significantly less than that measured previously at the boundary, as expected. Noise levels dominated by natural background noise and passing highway traffic. Construction noise was audible, but not obtrusive. These construction activities undertaken during this period were analogous with those during the first deck pour and consistent with predicted levels. No complaints were received.
Quickway	OOHW D10 SB Deck Curing	18/01/2019	6.01pm	X: 546316, Y: 680070, 16 Coolgardie Road, Wardell	38	54.3	69.7	81.6	47.9	56.5	50.3	No access provided to property as gate was locked. Monitoring undertaken at property boundary only. Generator inaudible from monitoring point, therefore also inaudible from residence. Noise dominated by natural background noise and passing highway traffic. No noise complaints were received.
AFHJV	Monthly	31/01/2019	16:22	1 Petticoat Lane (R1331)	45	55.3	68.5		47	57.5	51.4	
AFHJV	Monthly	31/01/2019	16:02	8 Martin Road (R1283)	45	55.5	64.6		48.6	58	51.6	
AFHJV	Monthly	31/01/2019	15:19	40 Morpeth Street (R1396)	45	59.3	69.5		50.3	62.2	54.9	
AFHJV	Monthly	31/01/2019	10:12	35 James Creek Road (R1256)	45	54.8	75.3		46.3	56.6	49.8	
Georgiou Group	OOHW Monthly	19/01/2019	2:15pm	OOHW Monthly	62.8	61.2	71.6	118.3	42.8	60	45	
Georgiou Group	OOHW Monthly	19/01/2019	2:45pm	OOHW Monthly	58.3	56.9	79.4	112.3	39.6	55	41	
Georgiou Group	OOHW	21/01/2019	10:30pm	OOHW	54.7	51.1	75.6	111.2	41.3	51	43	
Georgiou Group	OOHW	21/01/2019	11:00pm	OOHW	51	48.7	66.1	106.3	39.2	48	40	
Georgiou Group	Monthly	22/01/2019	1:05pm	Monthly monitoring	58.3	55.4	68.1	119.2	28.2	57	45	
Georgiou Group	Monthly	22/01/2019	1:30pm	Monthly monitoring	62.8	59.4	84.2	123.3	39.6	59	46	
Georgiou Group	OOHW	25/01/2019	5:30am	OOHW	54.7	52.2	72.6	109	41.6	51	44	
Georgiou Group	OOHW	25/01/2019	5:55am	OOHW	51	50.2	69.6	107.1	40.1	49	41	