

August 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	4/08/2018	7:34:00	On the western shoulder of the Old Pacific Highway at Glenugie adjacent to 6707 Old Pacific Highway, Glenugie		57.6	54.7		42.6	52.6	49.2	Dominant noise source being the birds chirping and the traffic on the existing highway (tally 130 vehicles recorded during monitoring period) . No wind. Observed 3 trucks parked south of the residents, engines were off. Member of public drove past really fast on local road.
SWC	Monthly	15/08/2018	9:14	37 Old Six Mile Lane	42	55.8	67.7		43.9	54.5	49.9	Works going on mainline works directly opposite receiver (dominant noise source), Ave road local road works (dominant noise source), Ave road bridge works, Compound & Batch plant and the jail. Resident was home and working about yard (very minor noise impact). Birds were heard chirping.
SWC	Monthly	15/08/2018	11:13	970 Woolli Road	42	47.6	65.8		36.9	42.6	39.9	Works going on Woolli Road local road upgrade which included traffic control directly out the front of receiver under single lane set up (dominant noise source, Woolli Road bridge works and mainline works. Local traffic network using Woolli Road (dominant noise source)
SWC	Monthly	15/08/2018	11:55	165 Somervale Road	42	37.9	55.9		30.8	35.3	33	BMD bridge works at A23 which included crane lifts, power tools and people talking loudly (dominant noise source). Squawkers & beepers heard periodically. Birds chirping (magpies mainly intermittently) (dominant noise source) Resident was home going about business (very minimal noise impact)
SWC	Monthly	15/08/2018	12:32	15 Tallwood Lane	42	44	63.5		36.3	41	38.3	BMD bridge works at A24. Power tools, EWP (with reversing beeper), yelling (dominant noise source). Rollers and grader could be heard working north in cut 21. LV's, road trains, trucks and plant using haul road adjacent to property boundary (intermittent) Birds chirping in background periodically
SWC	Monthly	15/08/2018	13:34	2860 Pacific Highway Tyndale	51	60.7	80.6		40.1	52.6	48.1	Chook's & roosters constantly clucking & crowing (dominant noise source) Highway noise intermittent (dominant noise source) Washing machine on inside house adjacent to noise meter (continuous)
SWC	Monthly	15/08/2018	15:17	2826 Pacific Highway Tyndale	51	55.8	69		44.3	53.9	48.8	Highway traffic fluctuating (tally = 194 vehicles) Birds chirping Site access gate SWC=2 BMD=1 PC=1 SEE CIVIL=6 COATES=1 SEE Civil quarry works heard continuously (47-51dB(A)) No breeze Faintly heard hammers in cut 30 for 10sec
SWC	OOHW	26/08/2018	7:34:00	In proximity to the sensitive receiver on Bostock rd. Curing light vehicle at Bridge A20	42	50.4	65.6		30.9	41.2	36.1	Low Noise recorded. Dominant noise source being the birds. Light vehicle checking curing setup at Bridge A20 was not audible.
BGC	OOHW	3/08/2018	6:11am	McIntyres Lane (CH76800-76900)	33	59.2	86.9	83.2	36.1	55	47.5	Dominant noise is from traffic along McIntyres Lane and existing highway. OOH refuelling works inaudible.
BGC	OOHW	4/08/2018	7:01am	Lot 1 DP1088617 McIntyres Lane	41	58.2	80.9	87.8	37.2	57	41.5	Dominant noise is from traffic along McIntyres Lane and birds. OOH concrete pour works inaudible.
BMD	OOHW	6/08/2018	18:45:00	300m south of A25	32	38.3	45.8		32.5	41.5	37.6	Noise levels very low. Occasional bird call in distance 45dB. Insects constant background noise at 35dB. Construction inaudible
BMD	OOHW	27/08/2018	5:30:00	200m north of A23	29	40.3	48.2		32.1	42.7	40.9	Morning bird calls main influence on record with peaks up to 48dB. Construction inaudible
BHA	OOHW	28/07/2018	6:55:00	Chatsworth Rd, B60	35	55.6	79.7			51.8	43.3	Noisy rock construction on opposite side of river not related to project works
BHA	OOHW	18/08/2018	6:36:00	South Bank Road	44	63.3	89.7			59.3	51.9	Landholder drove by with 2 x Harley Davidsons. Pacific Highway noise audible
BHA	OOHW	18/08/2018	6:44:00	Ryan's Lane	44	50.3	61.6			52.8	48.2	Landholder ploughing his paddock adjacent to monitoring position
SEE CIVIL	Monthly	17/08/2018	12:42:00	132 Farlow's Lane, Maclean	45	56.4	72.1		47.1	59.1		Main noise sources were highway noise and construction activities (Cut/fill works) located approximately 165m to the southeast
BMD	OOHW	31/07/2018	20:50:00	Chainage: 104000 (OOH monitoring for the barrier installation in 6.4)	34	68.9	85.3		54.6	73.2	57.8	Dominant noise source: Trucks on the Pacific Highway 60-74 (dBa). Reversing of crane 61-62 dB(A). Daymakers and crane in lull of Pacific Highway traffic 55-57 dB(A). Construction audible in lull of traffic only 57dB(A) to be used for extrapolation. Extrapolated noise = 36.9 dB(A) which is below the night time NML of 39 dB(A).

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BMD	Monthly	28/08/2018	12:02:00	6530 Pacific Highway Jackybulbin	42	62.6	73.8		45.9	67	54.5	Dominant noise source: Traffic on the existing Pacific Highway 58.6 dB(A) with peaks of 70.8 dB(A). Dogs from residence barking for the first 6 minutes 60.4 dB(A) with peaks of 62.4 dB(A). Works adjacent to residence 52 dB(A) with peaks of 57 dB(A). NML = 52dB(A) - works considered compliant.
BMD	Monthly	28/08/2018	11:34:00	1 Jackybulbin Road, Mororo	42	56.8	83.1		38.8	52.2	42.8	Pacific Highway and local traffic main influence at 54.0 dB(A) with peaks of 81.2 dB(A). Rooster crowing 48.2 dB(A) with peaks of 50.8 dB(A). BMD works 52.1 dB(A) at Gate 102.7. NML = 52 dB(A) - works considered compliant.
CPB	OOHW	11/08/2018	7:05:00	Trustums Hill Rd, west of CH129150	42	61.4	78.3		47.2	64.5	52	Work activity inaudible at location, predominant noise source Pacific Highway and birds (lorikeets). Distance from source south 455m. SR distance from source south 495m. Pacific Highway on north east side of monitoring location and SR at distance of 75m. Noise levels prior to commencement of work were higher than targeted monitoring.
CPB	OOHW	11/08/2018	6:46:00	Trustums Hill Rd, west of CH129150	42	62.7	75.8		44.4	69.5	54.5	Noise levels prior to commencement of work
LendLease	OOHW	31/07/2018	19:08:00	R130	41	55.2	82.2	98.6	40.1	57.3	42.5	Main contributing source was the Pacific Highway. 2 cars used Pimlico Rd during the reading. R2B was only audible from LED lighting plant set up at intersection. Some input from dogs barking and nearby cane farming activities. Clear night with mild temperatures.
LendLease	Monthly	3/08/2018	10:58:00	NMP09 (151 Uralba Rd)	41	52	77.6	91.7	40.5	49.2	43.5	R2B not audible during reading. Pacific and Bruxner Highways were main contributing sources. Other extraneous noise sources: Flight overhead at 3:45 minutes, birds and wind in sugar cane immediately adjacent to monitoring location.
LendLease	Monthly	3/08/2018	11:33:00	NMP08 (55 Whytes Lane West)	41	44.4	66.4	92.7	37.1	46.6	40.1	Wind: Gusts up to 2.7m/s. Pac Hwy main contributing source. R2B only audible with infrequent reverse quackers. One instant noise of rear trailer door slamming. Other extraneous noise sources: Flight overhead at 7:30 minutes and wind in sugar cane immediately adjacent to monitoring location.
LendLease	Monthly	3/08/2018	11:58:00	NMP07 (3 McAndrews Lane)	41	48.1	63.1	83.4	40.3	50.2	44.3	Wind: Gusts up to 2.1 m/s. Pac Hwy main contributing source. Some input from LVs going over cattle grid exiting gates of Whytes Office compound.
LendLease	Monthly	3/08/2018	12:30:00	NMP06 (109 Meridian Drive)	41	47.2	67.2	80.3	37.3	48.1	41.1	Wind: Gusts up to 2.3m/s. Pac Hwy main contributing source. R2B only audible with 1 reversing quacker and an excavator bucket noise to the south. Other extraneous noise sources: Birds and 1 car using local road.
LendLease	Monthly	3/08/2018	12:50:00	NMP05 (848 Pimlico Rd)	41	51.4	74.4	88.1	38.1	48.5	41.4	Wind: N gusts up to 1.5m/s. Pac Hwy main contributing source. R2B not audible during reading. 8 cars used Pimlico Rd during reading.
LendLease	Monthly	3/08/2018	13:30:00	NMP04 (1175 Wardell Rd)	41	56.4	71.2	95.3	46.1	59.1	49.1	Wind: N with 2m/s gusts. R2B main contributing source. Operations observed: 50t truck movements, Watercarts, Truck and dogs, LV's, Bobcat, Excavator. Other extraneous noise sources: dog barking, birds, use of a chainsaw at distant property. Reading was below modelled/approved noise scenario as detailed within the CCNVMP.
LendLease	Monthly	3/08/2018	13:50:00	NMP03 (1202 Wardell Rd)	41	54.8	69.3	89.6	41.7	57.4	43.9	Wind: N with 2.3m/s gusts. R2B main contributing source. Dozer operating Nth of Wardell rd with track noise was the main source. 6 cars used Wardell Rd during the reading. Reading was below modelled/approved noise scenario as detailed within the CCNVMP.
LendLease	Monthly	3/08/2018	14:20:00	NMP02 (1184 Pacific Highway)	41	50.1	61.9	104.7	45.5	51.7	47.4	Wind: N with gusts up to 4m/s. R2B not audible during reading.
LendLease	Monthly	3/08/2018	14:45:00	NMP01 (10950 Pacific Highway)	41	66.9	78.2	96.4	49.3	69.8	59.7	Wind: N with gusts up to 3.5m/s. R2B not audible. Pac Hwy main source with 32 trucks and 187 LVs using hwy during reading.
LendLease	OOHW	8/08/2018	6:50:00	302 Lumley's Lane	38	43.2	60.4	74.8	36.4	45.9	38.8	OOHW D189 Concrete Pour setup. Main contributing noise source: Dog constantly barking (every 2 seconds), Rooster crowing. R2B inaudible over extraneous noise sources
LendLease	OOHW	9/08/2018	6:42:00	1129 Wardell Road	38	47.8	60.6	89.4	37.4	51.3	40.3	OOHW D187 Concrete Pour setup. Main contribution noise source: Traffic on Wardell Road, birds in trees, leaves rustling. R2B inaudible over extraneous noise sources
Quickway	Monthly	14/08/2018	13:10:00	X: 541132, Y: 6795547, 103 Montis Road Wardell.	41	44.9	54.9	56.7	38.1	43.5	41.1	Construction Noise not audible. D04 Girder Lifts.
Quickway	Monthly	21/08/2018	15:16:00	X: 543048, Y: 6800012, 302 Lumleys Lane	41	47.21	74.5	75.9	38.8	45.7	42.4	Peak noise caused by passing car. D55/D56 Backfill.
Quickway	OOHW	26/08/2018	16:45:00	X: 541132, Y: 6795547, 103 Montis Road Wardell.	38	39.2	60.6	68.8	28.6	37.6	31.8	Peak noise caused by bird call. Noise source not audible.
LendLease	OOHW	28/07/2018	7:14:00	556 Back Channel Road (R5)	45	53.1	70	96.3	47.4	54.8	49.6	OOH Predicted noise level was 54 dBA based on noise modelling. RRB audible during reading with the positioning of the tremmie line peaking at 52 dBA and the positioning of the platform peaking at 56 dBA. Traffic on the Pacific Highway was audible with trucks peaking between 56-59 dBA and cars peaking between 54-56 dBA. The dominant noise was traffic on the Pacific Highway.
LendLease	Monthly	28/08/2018	7:23:00	NMP01 (9810 P Hwy, Broadwater)	45	67.7	80.4	101	46.1	71.9	50.7	RRB not audible during reading. Traffic main source of noise. Approx. 120 cars, 35 trucks, Birds
LendLease	Monthly	28/08/2018	7:46:00	NMP03 (85 E Head Rd, Broadwater)	45	59.9	75	89.9	48.4	64	50.3	RRB not audible during reading. Traffic main source of noise. Approx. 72 cars. Birds were constant through reading.

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LendLease	Monthly	28/08/2018	8:09:00	NMP02 (2-4 P Hwy, Broadwater)	45	63.7	80.7	100.2	47.6	67	54.7	RBB not audible during reading. Birds were main source of noise and were constant through reading. Approx. 118 cars, 32 trucks.
AFHJV	Monthly	23/08/2018	7:31:00	1 Petticoat Lane (R1331)	45	55.8	64.3	-	49.6	56.8	50.7	
AFHJV	Monthly	23/08/2018	8:08:00	8 Martin Road (R1283)	45	54.5	63.8	-	50.8	57.2	53.1	
AFHJV	Monthly	23/08/2018	8:42:00	40 Morpeth Street (R1396)	45	55.4	69.8	-	46.4	59.2	53.1	
AFHJV	Monthly	23/08/2018	9:06:00	35 James Creek Road (R1256)	45	55	69.8	-	46.4	53.6	47.5	
Georgiou	Monthly	23/08/2018	10:28:00	83 Smith Drive	62.8	61.8	83	122.9	40.9	62	46	Monthly monitoring
Georgiou	Monthly	23/08/2018	10:53:00	55 Pimlico Road	58.3	57.2	77.9	119.2	39.5	57	44	Monthly monitoring
Georgiou	OOHW	25/08/2018	14:15:00	83 Smith Drive	62.8	59.4	83.2	119.3	42.3	59	48	OOHW Works - Monthly
Georgiou	OOHW	25/08/2018	14:45:00	55 Pimlico Road	58.3	56.8	79.2	112.4	34.2	56	44	OOHW Works - Monthly