

April 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	
BGC, Portion A S4	Monthly	11/04/2018	13:29:00	32 Jubilee Street, Townsend, 30m from works	44	68.9	82.5	98.5	54	72.7	59.9	Main Activity in the vicinity was cut to fill main Construction Scenario 6. Roller, dozer and moxy operating along the alignment. Dozer, moxy and roller crossing Jubilee Street to go to North/South area of alignment. Constant reversing alarm and squarker from vehicles. Dominant Noise mainly from Highway Traffic along Pacific Highway mainly from Jubilee Street Overpass Bridge. Mainline roadworks in NCA-D are anticipated to exceed NMLs by more than 25dB during daytime and nite time periods as per PC Construction Noise and Vibration Management Plan
BGC, Portion A S4	OOHW	30/04/2018	6:00:00	McIntyres Ln entrance	33	45.9	74.6	74.7	24.0	41.3	30.6	Dominant noise from highway traffic, tree leaves rustling, LV drives past, resident greets noise monitor, noise from refuelling truck inaudible
BGC, Portion A S4	OOHW	30/04/2018	6:31:00	DP11997710 (Maloneys)	33	38.8	61.6	61.6	23.3	40.6	27.9	Dominant noise from highway traffic and employees accessing site. Landowner opens door to home, walks towards shed, starts car, drives off. LV's driving to ancillary facility/compound.
BGC, Portion B S6	OOHW	4/04/2018	18:20:00	6530 Pacific Highway Jackybulbin	42	66.9	80.9			70.5	55.7	Dominant noise source: dominated mostly by traffic noise from the existing Pacific Highway. Local noise sources: Dogs barking 60-65 (dBa) Trucks on Pacific Highway 70-80 (dBa) Insects 57 (dBa). Night works inaudible from monitoring location.
BGC, Portion B S6	Monthly	24/04/2018	11:40:00	6530 Pacific Highway Jackybulbin	42	69.4	92			72.7	53.8	Dominant noise source: dominated mostly by traffic noise from the existing Pacific Highway. Background noise 52.7(dBa) Local noise sources: dogs barking 68.6 (dBa).
BGC, Portion B S6	Monthly	24/04/2018	11:10:00	1 Jackybulbin Road, Mororo	42	59.9	86			59.5	52	Highway and local traffic main influence at 65-84.2 (dBa). Slasher works 47-49(dBa). Reverse alarm 50-51 (dBa).
Golding, Portion B	OOHW	23/04/2018	19:00:00	Lot 29 DP119150	39	62.7	83.7		41.3	66.6	48.1	Noise Monitor away for calibration, other results cannot be retrieved at this time. Noise exceeded predicted NML, likely due to redirection of traffic along Garretts Lane and recent removal of vegetation buffer.
AFS, Portion D	Monthly	6/04/2018	14:28:00	SR3150		44.8	45.3			40	39.2	No driven piling audible to closest NSR, quarry operations and occasional trucks
AFS, Portion D	Monthly	9/04/2018	13:31:00	SN3465		49.7	51.9			50.1	49.9	Pile driving audible, moxys and birds audible
LendLease, Portion D S10-11	Monthly	20/04/2018	9:58:00	NMP01 (10950 Pacific Highway)	41	40.9	62.4	77.4	33.4	41.5	35.3	Pac Highway main contributing source. R2B not audible during reading. Flight overhead at 1430.
LendLease, Portion D S10-11	Monthly	20/04/2018	10:20:00	NMP02 (1184 Pacific Highway)	41	66.8	77.7	97.8	32.9	70.5	47.2	R2B not audible during reading. P Hwy main contributing source. ~300 LVs, 60 trucks.
LendLease, Portion D S10-11	Monthly	20/04/2018	10:55:00	NMP03 (1202 Wardell Rd)	41	61.2	74.8	102.1	46.3	64.7	51.4	R2B main contributing source. ~35 50t truck movements. Grader operating south of Wardell Rd with backhoe, watercart, some light vehicles and truck and dogs operating in area. Flight overhead at 1354. Loud bang was from a rear door close on a truck and dog trailer. Reading was not above the modelled worst case levels.
LendLease, Portion D S10-11	Monthly	20/04/2018	11:15:00	NMP04 (1175 Wardell Rd)	41	60.4	77.4	99	50	62.3	52.7	R2B main contributing source. ~30 50t truck movements. Truck and dogs dumping in area (unseen). Loud bang was from a rear door close on a truck and dog trailer. Flight overhead at 1443. Reading was not above the modelled worst case levels.
LendLease, Portion D S10-11	Monthly	20/04/2018	11:45:00	NMP05 (848 Pimlico Rd)	41	54.8	75.2	90.9	43	55.1	46.8	R2b not audible during reading. Main contributing source was Pac Highway. Some input from crows in area and 7 LVs using Pimlico rd.
LendLease, Portion D S10-11	Monthly	20/04/2018	12:10:00	NMP06 (109 Meridian Drive)	41	44.4	56.7	81.7	35.5	48.2	37.8	R2B main contributing source. 50t trucks the biggest contributor. Some input from Pac Hwy.

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LendLease, Portion D S10-11	Monthly	20/04/2018	12:30:00	NMP07 (3 McAndrews Lane)	41	52.7	73.8	86.2	39.7	51	44.3	Pac Highway main contributing source. R2B only audible during reading when door of trailer closed after dumping.
LendLease, Portion D S10-11	Monthly	20/04/2018	12:50:00	NMP08 (55 Whytes Lane West)	41	47.1	68.8	85.6	41.9	48.2	44.1	Pac Highway main contributing source. R2B only audible during reading when door of trailer closed after dumping.
LendLease, Portion D S10-11	Monthly	20/04/2018	13:30:00	NMP09 (151 Uralba Rd)	41	52.3	72.5	87.6	40.5	51.6	43.3	Piling excavation was the main contributing source from bearing 065 (adjoining project to the north). R2B not audible during reading. 6 LVs using Uralba Rd.
Quickway Portion D S10	Monthly	12/04/2018	11:15:00	106 Thurgates Lane Wardell NSW DP755691 28°56'56.2"S 153°25'58.2"E	60	50.7	56.1	57.3	45.2	52.1	46.7	Lend Lease haul trucks and scrapers passing site, Quickway works - setting up deck steel fixers, grinding and cutting with light vehicles.
AFHJV Portion E	Monthly	16/04/2018	10:58:00	1 Petticoat Lane (R1331)	45	50.8	66.4	80.4	44.1	53	47.3	Below NML 55dB(A) and predicted cumulative LAeq 15min of 69dB(A) for trans floor construction and LAeq 15min of 71dB(A) for headstock construction within CCNVMP. Works occurring during monitoring were deck preparation works at Span 33 (51dB(A) when audible) and concrete pour for headstock 21 (48dB(A) when audible). The dominant noise source was Highway traffic (52dB(A)).
AFHJV Portion E	Monthly	16/04/2018	11:28:00	8 Martin Road (R1283)	45	51.8	63.1	81.4	51.3	53.7	49.7	Below NML 55dB(A) and the predicted cumulative LAeq 15 min of 57dB(A) for headstock construction within CCNVMP. Works occurring during monitoring were a concrete pour for Headstock 21 by use of concrete pump located on the Temporary Jetty (50dB(A)). Dominant noise source included local traffic and Pacific Highway traffic (52 - 54dB(A)).
AFHJV Portion E	Monthly	16/04/2018	11:55:00	40 Morpeth Street (R1396)	45	51.6	62.7	81.2	43.7	53.8	48	Below NML 55dB(A) and the predicted cumulative LAeq 15 min of 55dB(A) for trans floor construction within CCNVMP. The dominant noise source was the Pacific Highway traffic (52-55dB(A)). Construction works occurring during monitoring were deck preparation works at Span 33 (49dB(A) when audible).
AFHJV Portion E	Monthly	16/04/2018	12:24:00	35 James Creek Road (R1256)	45	43	60.9	72.6	36.1	45	40.2	Below NML 55dB(A) and below predicted cumulative LAeq 15min of 51dB(A) for abutment works and LAeq 15min of 57dB(A) for headstock works within CCNVMP. Works occurring during monitoring included rock armouring the southern abutment and removal of headstock platform at Pier 7. SEE Civil were also working on Portion B within southern abutment area and was difficult to differentiate noise contributions between AFHJV and SEE Civil works.
AFHJV Portion E	OOHW	3/04/2018	18:20:00	530 Yamba Road	44	58.6	67.5	88.2	52.8	60.9	55.2	Setup of 700t crane for erection of girder at Span 6 and 7. There were no girder deliveries or lifts during this monitoring period. The dominant noise source was the Pacific Highway (60-64dB(A)) and North Bound on ramp traffic (61-63dB(A)). Crane setup was 53.5 - 54.5dB(A) with little traffic influence and inaudible when traffic present.
AFHJV Portion E	OOHW	5/04/2018	20:52:00	35 James Creek Road	44	49.7	63.5	79.3	44.7	51.6	46.7	Erection of girder at Span 2. Construction was the dominant noise source except when Heavy Vehicles were utilising exhaust breaks on the pacific highway (52-60dB(A)). Erection of girder 45 - 47 dB(A) with little traffic.
AFHJV Portion E	OOHW	12/04/2018	6:24:00	44 Morpeth Street	39	56.2	66.5	85.8	43.8	59	50.1	Preparation works for deck concrete pour at Span 34 including setup of concrete pump. The highway was the dominant noise source (54-60dB(A)) and construction works were inaudible.
AFHJV Portion E	OOHW	17/04/2018	19:21:00	526 Yamba Road	44	54	67.1	83.6	43.8	57.7	46.7	Delivery of Girder across yamba road to Span 9. The Pacific Highway and local traffic along Yamba Road were dominant noise sources (60dB(A)). Delivery of girder by two prime movers was approximately 48dB(A) when audible.

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AFHJV Portion E	OOHW	17/04/2018	19:54:00	526 Yamba Road	44	55	70.9	84.6	44.8	57.7	47.6	Erection of girder at Span 9. Construction works were the dominant noise source. The 750t crane was dominant noise source (55dB(A)) however the pacific highway and local traffic also significant contributions to noise levels (54-60dB(A)).
AFHJV Portion E	OOHW	27/04/2018	6:35:00	50 Morpeth Street	44	56.4	69.8	86	46.4	59.1	50.9	Concrete deck pour at Span 35SB. The highway was the dominant noise source (56-58dB(A)). When there was no pacific highway traffic and works were audible, concrete pump and vibrators were 50-52dB(A).
LendLease, Portion F	Monthly	9/04/2018	7:45:00		42	61.8					38.3	RRB not audible during reading. Traffic main source of noise. Approx. 110 cars, 270 trucks 060. Birds present. Waste pump truck at CPB compound for 1:50
LendLease, Portion F	Monthly	9/04/2018	8:10:00		42	59					42.7	RRB not audible during reading. Traffic main source of noise. Approx. 150 cars, 15 trucks. Birds were constant through reading
LendLease, Portion F	Monthly	9/04/2018	8:55:00		42	66.8					48.6	RRB not audible during reading. Traffic main source of noise. Approx. 165 cars, 20 trucks. Corellas in trees.
Georgiou Portion G	OOHW	16/04/2018	6:15:00	55 Pimlico road	58.3	56.3	82.8	110.1	32.1	57	45	OOHW Works - Monthly / Bridge construction
Georgiou Portion G	OOHW	16/04/2018	6:40:00	83 Smith Drive	62.8	60.1	84.3	118.3	41.3	59	45	OOHW Works - Monthly / Bridge construction
Georgiou Portion G	OOHW	17/04/2018	6:10:00	83 Smith Drive	54.7	52.2	72.6	109	41.6	51	44	OOHW Works - Monthly / Bridge construction
Georgiou Portion G	OOHW	17/04/2018	6:30:00	55 Pimlico road	51	50.2	69.6	107.1	40.1	49	41	OOHW Works - Monthly / Bridge construction
Georgiou Portion G	OOHW	21/04/2018	14:00:00	83 Smith Drive	62.8	59.6	83.2	121.3	42.3	59	48	OOHW Works - Monthly / Earthworks, piling, bridge construction
Georgiou Portion G	OOHW	21/04/2018	14:25:00	55 Pimlico road	58.3	56.4	81.2	117.1	33.2	56	47	OOHW Works - Monthly / Earthworks, piling, bridge construction
Georgiou Portion G	Monthly	20/04/2018	13:00:00	55 Pimlico road	58.3	55.4	68.1	119.2	28.2	57	45	Monthly monitoring
Georgiou Portion G	Monthly	20/04/2018	13:25:00	83 Smith Drive	62.8	59.4	84.2	123.3	39.6	59	46	Monthly monitoring