

March 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	
Seymour Whyte	Start of batch	12/03/2019	16:17	ID 755 -566 Coldstream Road, Tyndale	42	45	57		37	47	40	Project related noise 35dB. Monitoring noise levels of batch plant. Report attached
Seymour Whyte	OOHW	12/03/2019	19:01	ID 701- 970 Woolli Road, Pillar Valley	37	45	56		29	50	33	OOHW noise monitoring. Project related noise 34dB. Report attached
Seymour Whyte	Start of Paving	20/03/2019	11:46	ID 828- 2963 Pacific Highway, Tyndale	51	64.4	75.7		41.5	60.6	49.6	Start of paving in Section 4. Dominant noise source was the traffic on the existing Pacific Highway
Golding	OOHW (FEB-19-001)	14/03/2019	2:00	9 Garrett's Lane	35	47	73.7		27.6	49.7	29.7	General highway traffic intermittently.
Golding	OOHW (MAR19-015)	20/03/2019	0643-0658	Lot 31/ DP 1136907	40	61.4	92	108.2	40	52.4	46.5	2 X CAR HORNS DURING MONITORING
SEE Civil	OOHW	24/03/2019	10:23		41	39.7	60.4		32.9	41.1	34.8	Birds and light traffic noise audible throughout monitoring event. Construction works inaudible. L _{Eq} 15 level lower than RBL
BMD Constructions	Monthly	27/02/2019	10:42	7175 Pacific Highway, Devils Pulpit	46	63.5	77.1		42.9	67.8	53.6	Pacific Highway traffic 67.7-70.9 dB(A) with peaks at 76.0 dB(A). Construction works were audible during lulls in traffic - refuelling 57.4 dB(A), body trucks 65.9 dB(A), grader 66.5 dB(A), water cart 63.3 dB(A). Background 44.6 dB(A). Construction noise over the NML, discuss further consultation with impacted resident with Community Relations Team.
BMD Constructions	Monthly	27/02/2019	11:08	6530 Pacific Highway Jackybulbin	46	64.1	86.3		46.7	68.2	53.9	Pacific Highway traffic dominant noise source. Traffic 57.4-71.2. with peaks at 73.2 dB(A). Construction works were audible during lulls in traffic - excavator operation 53.9-58.0 dB(A), tipper peaks of 79.4 and 80.7 dB(A), bobcat 56.8 dB(A), general vehicle and plant movements onsite 57.2 dB(A). Background noise level could not be determined due to consistent construction works or Pacific Highway traffic. Construction noise is generally consistent and compliant with the NML.
BMD Constructions	Monthly	27/02/2019	11:31	1 Jackybulbin Road, Mororo	46	59.3	81		44	55.7	48.1	Local traffic on Jackybulbin Road 66.9-76.8 dB(A) with peaks of 80.4 dB(A). Pacific Highway traffic 51.5-53.6 dB(A). Construction works were audible -- excavator 48.1-55.0 dB(A), watercart 51.1-52.4 dB(A), general vehicle and plant movements at gate 50.9-52.4 dB(A). Background - 46.3 dB(A). Construction noise below NML.
BMD Constructions	OOHW lime stabilisation works	6/03/2019	18:08	7175 Pacific Highway, Devils Pulpit	46	62.6	74.7		42	67.5	47.1	Wind and Pacific Highway traffic main influence on record. Traffic up to 72.7 dB(A) with peaks at 73.2 dB(A). Truck movements onsite 55.0-62.1 dB(A). Lime stabilisation works inaudible from monitoring point. Extrapolated data indicates 41.4 dB(A) - works compliant.
BMD Constructions	OOHW placement and compaction HBB 6.4	7/03/2019	18:39	6530 Pacific Highway Jackybulbin	46	66.1	78.6		52.1	70.3	57	Pacific Highway traffic main influence on record. Traffic 62.5-70.2 with peaks of 77.6 dB(A). Roller operating onsite 60.6-62.8 dB(A). Lighting tower during lulls in traffic 56.0 dB(A). Extrapolated data indicates 49 dB(A) - works compliant with evening NML.
BMD Constructions	Monthly	19/03/2019	10:34	7175 Pacific Highway, Devils Pulpit	46	63.6	81.8		42.5	68.2	50.4	Pacific Highway traffic 59.7-65.8 dB(A) with peaks at 72.6 and 80.4 dB(A). Truck movement was audible during lulls in traffic - trucks onsite 65.1-68.2 dB(A), Background 48.8 dB(A). Construction noise exceeding NML for site, discuss options for consultation with Community Relations Team.
BMD Constructions	Monthly	19/03/2019	11:40	6530 Pacific Highway Jackybulbin	46	63.5	74.8		40.2	69	46.7	Pacific Highway traffic dominant noise source. Traffic 53.0-68.0. with peaks at 73.0 dB(A). Truck movement was audible during lulls in traffic - truck onsite 57.2 dB(A). Background 42.2 dB(A). Construction noise <2 dB(A) above NML.
BMD Constructions	Monthly	19/03/2019	11:09	1 Jackybulbin Road, Mororo	46	48.6	72.7		34.4	48.6	41.4	Local traffic on Jackybulbin Road peak of 72.7 dB(A). Pacific Highway traffic 45.1-58.4 dB(A). Construction works were audible at construction gate - truck movements 43.1-47.1 dB(A) and squawker 42.0-46.0 dB(A). Birds and chickens 37.8-58.4 dB(A). Lull in traffic - 37.2 dB(A). Construction noise below NML.
LendLease	OOHW	27/02/2019	18:04	R160 226 Lumleys Lane	46	49.8	71.5	102.2	35.6	53.3	41.2	R2B audible during reading (concrete cutting operations) Extraneous noise sources: birds, insects, wind in trees, distant traffic, local residents talking and reversing cars Reading was below modelled/approved noise scenario (59 dBA) as detailed within the CCNVMP. Wind: NE @ 2m/sec.

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LendLease	OOHW	28/02/2019	6:18	R240 56 Hillside Lane	38	60.6	84.6	109.3	42.6	50.7	45.2	R2B audible during reading (batch plant operations), however extraneous noise sources were dominant. Extraneous noise sources: birds, insects, traffic on Wardell Road, local resident motor bike (Peaking at 83 dBA). Reading was below modelled/approved noise scenario as detailed within the CCNVMP. Wind: Still
Quickway	Monthly	8/03/2018	13:30	E: 543070, N: 6800012, 302 Lumleys Lane, Wardell, NSW	41	58	85.6	86.9	37.1	54	43.2	Noise dominated by natural background noise. Peak noise caused by passing vehicle. Laf90 of 43.2dBA demonstrates that 90% of the sampling period was below the RBL for the catchment. Hydrodemolition noise source barely audible from the residence, but not obtrusive.
AFHJV	Monthly	26/03/2019	14:43	1 Petticoat Lane (R1331)	45	55.1	68.5		46.2	56.5	50.9	
AFHJV	Monthly	26/03/2019	14:25	8 Martin Road (R1283)	45	55.8	65		48.2	52.8	50.6	
AFHJV	Monthly	26/03/2019	10:55	40 Morpeth Street (R1396)	45	59.1	69.7		50	62.3	54.6	
AFHJV	Monthly	26/03/2019	13:59 PM	35 James Creek Road (R1256)	45	54.5	73		45.3	56.2	48.6	
Georgiou Group	Monthly	19/03/2019	11:15am	83 Smith Drive	62.8	59.6	83.2	121.3	42.3	59	48	
Georgiou Group	Monthly	19/03/2019	11:40am	55 Pimlico Road	58.3	56.4	81.2	117.1	33.2	56	47	
Georgiou Group	OOHW / Monthly	23/03/2019	1:50pm	83 Smith Drive	62.8	60.4	84.1	119.4	41.3	59	47	
Georgiou Group	OOHW / Monthly	23/03/2019	2:15pm	55 Pimlico road	58.3	56.2	82.1	115.4	34.8	55	44	