

## April 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	Monthly Start of Coldstream Batch Plant	11/04/2019	10:29	566 Coldstream Road, Tucabia	42	45	58		39	48	42	Project related noise 40dB. Monitoring noise levels of batch plant. Report attached
SWC	Monthly Start of Coldstream Batch Plant	11/04/2019	10:47	566 Coldstream Road, Tucabia	42	45	58		38	47	41	Project related noise 40dB. Monitoring noise levels of batch plant. Report attached
BGC	OOHW	15/04/2019	7:00PM	1.5m from fog line, 3 Jubilee Street	44	69.4	86.2	99	66.8	70.4	68.3	Dominant source of noise traffic from Jubilee Street/existing Pacific Highway
BGC	OOHW	16/04/2019	7:00PM	30 Jubilee Street	44	66	99.3	95.6	48.1	68.3	52.9	Dominant source of noise traffic from Jubilee Street/existing Pacific Highway
Pacific Complete	OOHW	8/04/2019	21:06	Lot 23 / DP1195140 34 Fishers Lane, Chatsworth North	39	49.4	77.2		34.1	53.4	37.9	App No. MAR19-024 Monitoring undertaken to verify noise levels from Stage 2: Line Marking & Barrier Placement activities at closest receiver. Note: main noise impact was trucks on highway. No noise impacts were identified from construction activities.
Pacific Complete	OOHW	8/04/2019	21:40	Lot 23 / DP1195140 34 Fishers Lane, Chatsworth North	39	54.8	77.8		41	56.4	45.9	App No. MAR19-024 Monitoring undertaken to verify noise levels from Stage 2: Line Marking & Barrier Placement activities at closest receiver. Note: main noise impact was trucks braking on highway. no noise impacts were identified from construction activities.
Pacific Complete	OOHW	8/04/2019	22:20	Lot 23 / DP1195140 34 Fishers Lane, Chatsworth North	35	52.4	73.4		38.3	55.8	43.2	App No. MAR19-024 Monitoring undertaken to verify noise levels from Stage 2: Line Marking & Barrier Placement activities at closest receiver.
Pacific Complete	OOHW	8/04/2019	23:00	Lot 23 / DP1195140 34 Fishers Lane, Chatsworth North	35	52	82.8		28.3	55.1	41.2	App No. MAR19-024 Monitoring undertaken to verify noise levels from Stage 2: Line Marking & Barrier Placement activities at closest receiver.
Pacific Complete	OOHW	8/04/2019	23:25	Lot 23 / DP1195140 34 Fishers Lane, Chatsworth North	35	55.6	60.3		51.9	57.1	52.8	App No. MAR19-024 Monitoring undertaken to verify noise levels from Stage 2: Line Marking & Barrier Placement activities at closest receiver.
Pacific Complete	OOHW	9/04/2019	19:19	Lot 7000 / DP 1134029 9a Jubilee Street, Townsend	44	59.9	73.2		51	63.7	53.4	App No. APR19-016 Monitoring undertaken to verify noise levels from heavy asphalt patching activities at closest receiver. Note: main noise impacts were from cars passing, B-doubles taking off in line of traffic, insects, B-double engine breaks, trucks passing, local traffic. Jackhammers were audible at 9.30 and 12.26 of monitoring. Works were completed by 22:00pm (i.e. evening time hours)
Pacific Complete	OOHW	9/04/2019	18:38	Lot 60 / DP 802939 9 Old Pacific Highway, Woombah	39	50.8	76.2		41	52.6	43.9	App No. APR19-015 Monitoring undertaken to verify noise levels from Iluka asphalt batching plant operation at closest receiver. Note: no noise impacts were identified from construction activities. Works were completed by 22:00pm (i.e. evening time hours)
Pacific Complete	OOHW	9/04/2019	18:21	Lot 110 / DP 1121323 47 Old Pacific Highway, Woombah	39	58.8	82.7		48.1	61.7	54.1	App No. APR19-015 Monitoring undertaken to verify noise levels from Iluka asphalt batching plant haluauge through construction gate at closest receiver. Note: main noise impacts were from car door opening, telephone ringing and slow moving traffic slowing down to look at monitoring activities. No noise impacts were identified from construction activities. Works were completed by 22:00pm (i.e. evening time hours)
BMD	OOHW - lime stabilisation works 6.5 - compaction and trimming	3/04/2019	18:08	7175 Pacific Highway, Devils Pulpit	46	62.6	74.7		42	67.5	47.1	Representative data obtained from previous noise monitoring undertaken for the same activities undertaken at 6.6. Refer to item 43 - OOH noise monitoring undertaken 06/03/2019. Noise levels were found to be compliant at monitoring location at 7175 Pacific Highway, Devils Pulpit (540m from work area). Nearest sensitive receiver was 1.3km to the work area therefore these works are also considered compliant.
BMD	Monthly	18/04/2019	7:19	7175 Pacific Highway, Devils Pulpit	46	63.6	74.2		43.1	65	50.9	Pacific Highway traffic 54.8-65.3 dB(A) with peaks at 72.8 and 73.1 dB(A). Generator at residence 50.3-51.0 dB(A). Truck movement onsite - 54 dB(A) and excavator tracking onsite - 56 dB(A). Construction noise below NML.
BMD	Monthly	18/04/2019	12:18	6530 Pacific Highway Jackybulbin	46	63.3	74.4		42.7	67.2	51	Pacific Highway traffic dominant noise source. Traffic 50.1-64.6 with peaks at 70.1 and 73.6 dB(A). Background 43.2 dB(A). Truck and dogs onsite inaudible over traffic noise. Other construction activities inaudible from monitoring point. Construction noise below NML.

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	
BMD	Monthly	29/04/2019	9:39	1 Jackybulbin Road, Mororo	46	57.1	81.1		42.2	54.1	45.5	Local traffic on Jackybulbin Road 69.3-70.8 dB(A) with peaks of 75.8 and 80.1 dB(A). Pacific Highway traffic 46.9-50.1 dB(A) with peak of 53.6 dB(A). Construction works were audible at construction gate - truck movements 48.1-48.8 dB(A) and excavator 47.0 dB(A). Birds 45.9-59.3 dB(A). Construction noise below NML.
LendLease	Monthly	15/04/2019	10:49	NMP03 (1202 Wardell Rd)(R242)	46	53.1	62.4	96.7	47.9	55	50	Main contributing source R2B. Boral working on the bridge. Extraneous noise sources: Birds, Traffic on Wardell Rd and wind in trees. Reading was below modelled/approved noise scenario as detailed within the CCNVMP. Winds: SW 2.8m/sec.
LendLease	Monthly	15/04/2019	11:10	NMP04 (1175 Wardell Rd)(R245)	46	58.7	83.3	104.7	37.9	58	41.2	Wardell Rd main contributing source. Extraneous noise sources: Birds, flight overhead, wind in trees. Winds: SW 1.2m/sec.
LendLease	Monthly	15/04/2019	11:48	NMP06 (109 Meridian Drive)	46	52	72.7	94.2	43.5	50.1	45.3	Pac Highway main contributing source. Extraneous noise sources: Birds, Traffic on Meridian Dr. wind in trees. Winds: SW 1.6m/sec.
LendLease	Monthly	17/04/2019	10:35	NMP08	46	63.2	77.5	90.3	50.4	67	55.6	Pac Highway main contributing source with noise levels ranging between 57-77dB. Extraneous noise sources: circardas. Construction works including crane lifts and water cart operation were inaudible.
LendLease	OOHW	29/03/2018	5:46	Jali Quarry	43	40.9	66.6	89.5	31.9	45.7	36.6	R2B not audible during reading (paving operations). Extraneous noise sources: birds, insects, frogs and faint traffic. Reading was below modelled/approved noise scenario as detailed within the CCNVMP
LendLease	OOHW	28/02/2019	6:18	R240 56 Hillside Lane	38	47.8	94.3	70.9	43.1	49.5	46	R2B audible during reading (batch plant operations), however extraneous noise sources were dominant. Extraneous noise sources: birds, insects, traffic on Wardell Road, cows. Reading was below modelled/approved noise scenario as detailed within the CCNVMP. Wind: still
Quickway	Monthly	26/03/2019	11:00	E: 542196, N: 6797642, 106 Thurgates Lane, Wardell, NSW	41	56.7	74.2	76.3	42.6	68.7	53.1	Noise audible, but not obtrusive. Noisy works intermittent rather than constant. All noise mitigation measures in place as per approved EWMS. No complaints received as a result of the works.
AFHJV	Monthly	30/04/2019	14:03	1 Petticoat Lane (R1331)	45	55	68.3		46.1	56.6	50.5	
AFHJV	Monthly	30/04/2019	14:24	8 Martin Road (R1283)	45	55.9	64.7		48	52.9	50.3	
AFHJV	Monthly	30/04/2019	14:46	40 Morpeth Street (R1396)	45	59	67.9		49.8	62.5	54.1	
AFHJV	Monthly	30/04/2019	15:16	35 James Creek Road (R1256)	45	54.7	71.2		45	55.7	47.9	
Georgiou Group	OOHW	8/04/2019	10:05pm	77 Uralba road	51	50.1	69.6	108.4	40.2	49	41	
Georgiou Group	OOHW	9/04/2019	10:20pm	77 Uralba road	51	48.7	65.1	107.6	39.1	48	40	
Georgiou Group	OOHW	10/04/2019	10:10pm	77 Uralba road	51	49.1	65.4	109.4	39.2	48	40	
Georgiou Group	Monthly	29/04/2019	11:10am	83 Smith Drive	62.8	59.4	83.2	119.3	42.3	59	48	
Georgiou Group	Monthly	29/04/2019	11:35am	55 Pimlico road	58.3	56.3	82.8	110.1	32.1	57	45	