

## June 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	
SEE Civil	OOHW	20/06/2019	18:14 - 18:29	132 Farlow's Lane, Maclean	44	49	71.2	58.1	47.8	43.7	40.8	Construction works only audible when traffic noise subsided. Noise from traffic on existing highway clearly audible for majority of monitoring period. One (1) LV passed close by monitor.
SEE Civil	OOHW	21/06/2019	18:14 - 18:29	James Creek Lane - Lot 31 on DP1136907	44	56.9	74.1	43.7	60.1	54.8	49.1	Construction works only audible when traffic noise subsided. Noise from traffic on existing highway clearly audible for majority of monitoring period. One (1) LV passed close by monitor.
BMD	OOHW completion of cement stabilisation works 6.5	1/06/2019	6:30	7175 Pacific Highway, Devils Pulpit	42	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 (Lot 15 DP1196340) was 1.1km to the work area therefore these works are also considered compliant.
BMD	OOHW pavement sawcutting	5/06/2019	18:10	6530 Pacific Highway	42	62.8	79.7		35.5	66.5	45	Highway traffic main influence on record; trucks up to 78dB(A) cars peaking at 55dB(A). 45dB(A) recorded when no vehicle in immediate vicinity. Construction inaudible. Construction works below NML and therefore compliant.
BMD	OOHW pre-switch works 6.1	18/06/2019	18:37	79 Mororo Road	42	44.9	71		33.6	44.9	37.4	1 x Local traffic vehicle 70dB(A). Construction inaudible. Construction works below NML and therefore compliant.
BMD	Monthly	21/06/2019	14:00	1 Jackybulbin Road, Mororo	42	65.4	90		45.4	64.4	49.4	Local traffic on Jackybulbin Road dominant noise source (67.8-79.5 dB(A)) with peak of 85.6 dB(A). Pacific Highway traffic 49.3-60.2 dB(A). Truck at bus turnaround (north) 48.0-50.0 dB(A). Other construction activities inaudible at monitoring point. Construction noise below NML and therefore compliant.
BMD	Monthly	21/06/2019	15:00	7175 Pacific Highway	42	64.2	76.8		44.8	68.3	53.4	Pacific Highway traffic dominant noise source 50.8-67.0 with peaks of 73.9 and 76.0 dB(A). Construction noise inaudible from monitoring point. Construction noise below NML and therefore compliant.
BMD	Monthly	21/05/2019	15:53	1 Jackybulbin Road, Mororo	42	60.2	81		43	58.8	48.6	Local traffic on Jackybulbin Road 70.3-80.4 dB(A). Pacific Highway traffic 51.7-58.6 dB(A) with peaks of 61.4 and 62.1 dB(A). Truck and water cart at construction gate 51.3-52.4 dB(A). Rooster 50.4-60.0 dB(A). Other construction activities inaudible at monitoring point. Construction noise below NML.
BMD	Monthly	23/05/2019	11:56	6530 Pacific Highway Jackybulbin	42	59.4	77.4		41.6	62.5	48.2	Pacific Highway traffic dominant noise source 45.3-61.4 dB(A) with peaks of 75.1 and 76.5. Light vehicle onsite - 50.1 dB(A). Other construction activities inaudible. Construction noise below NML.
Pacific Complete	OOHW	3/06/2019	18:59	Lot 60 / DP 802939 9 Old Pacific Highway, Woombah	39	61.2	87.1		39.9	56.4	44.5	App No. APR19-015 Monitoring undertaken to verify noise levels from Iluka Asphalt Batch Plant operations at closest receiver during evening hours. Note: main noise impact was trucks on highway. No noise impacts were identified from construction activities.
Pacific Complete	OOHW	3/06/2019	19:21	Lot 110 / DP 1121323 10 Old Pacific Highway, Woombah	39	58.9	73.8		36.9	63	44.8	App No. APR19-015 Monitoring undertaken to verify noise levels from Iluka Asphalt Batching & Hauling operations at closest receiver during evening hours. Note: main noise impact was trucks on highway. No noise impacts were identified from construction activities.
Pacific Complete	OOHW	3/06/2019	23:25	Lot 60 / DP 802939 9 Old Pacific Highway, Woombah	39	48.1	72.8		39.1	50.8	42	App No. APR19-015 Monitoring undertaken to verify noise levels from Iluka Asphalt Batch Plant operations at closest receiver during night-time hours. Note: main noise impact was trucks on highway. No noise impacts were identified from construction activities.
Pacific Complete	OOHW	3/06/2019	23:51	Lot 110 / DP 1121323 10 Old Pacific Highway, Woombah	39	56.7	70.5		38.9	61.2	42.9	App No. APR19-015 Monitoring undertaken to verify noise levels from Iluka Asphalt Batching & Hauling operations at closest receiver during night-time hours. Note: main noise impact was trucks on highway. No noise impacts were identified from construction activities.
LendLease	OOHW	30/05/2019	18:20	NMP06 (109 Meridian Drive)	42	45.8	64.4	80.8	37.6	47.6	40.5	Pac Highway main contributing source. Extraneous noise sources: Birds, Traffic on Coolgardie Rd. R2B only audible on one occasion from a reversing quacker at Coolgardie Interchange. Winds: Still
LendLease	Monthly	19/06/2019	9:24	NMP08 (55 Whytes Lane West)	41	55.7	71.4	95	47.9	57	52.3	R2B not audible. Main source Pac Highway. Two cars on Whytes lane, frogs.
LendLease	Monthly	19/06/2019	9:47	NMP06 (109 Meridian Drive)	41	46	69.2	83	39.5	45.4	41.5	Pac Highway main contributing source. Extraneous noise sources: Birds, 2 cars passed on Meridian Dr. Winds: SW 1.2m/sec.
LendLease	Monthly	19/06/2019	12:25	NMP04 (1175 Wardell Rd)(R245)	41	58	77.5	92.8	43.3	56.5	46.1	Wardell Rd main contributing source. Extraneous noise sources: Birds, flight overhead, wind in trees. Winds: W 1.5m/sec.
LendLease	Monthly	19/06/2019	13:00	NMP03 (1202 Wardell Rd)(R242)	41	59.3	73.1	98	51.8	62.3	54.3	Main contributing source R2B. Sweeper cart, high pressure water cleaning of pavement and some LV movements. Extraneous noise sources: Birds, Traffic on Wardell Rd. Reading was below modelled/approved noise scenario as detailed within the CCNVMP. Winds: W 1.6m/sec.
LendLease	OOHW	20/06/2019	18:20	NMP04 (1175 Wardell Rd)(R245)	42	48.5	65.5	86.8	32.4	49.7	41.2	R2B audible during reading (batch plant operations), however extraneous noise sources were dominant. Extraneous noise sources: birds, insects, traffic on Wardell Road. Reading was below modelled/approved noise scenario as detailed within the CCNVMP

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	
Georgiou	OOHW	10/06/2019	22:05	83 Smith Drive	54.7	53.1	77.1	103.4	40.9	51	42	
Georgiou	OOHW	11/06/2019	22:10	83 Smith Drive	54.7	52.3	75.6	111.2	41.3	51	42	
Georgiou	OOHW	12/06/2019	22:05	83 Smith Drive	54.7	52.8	81.2	111.7	43.7	52	44	
Georgiou	OOHW	13/06/2019	22:10	83 Smith Drive	54.7	51.9	73.4	104.6	41.1	51	42	
Georgiou	OOHW	17/06/2019	22:25	83 Smith Drive	54.7	51.8	75.6	111.2	41.4	51	43	
Georgiou	OOHW	18/06/2019	22:10	83 Smith Drive	54.7	52.5	81.4	119.3	40.6	52	41	
Georgiou	OOHW	19/06/2019	22:20	83 Smith Drive	54.7	51.2	77.6	111.2	41.3	51	43	
Georgiou	OOHW Works - Monthly	22/06/2019	15:15	83 Smith Drive	62.8	61.2	43.9	119.3	44.2	57	46	
Georgiou	OOHW Works - Monthly	22/06/2019	14:45	55 Pimlico Road	58.3	56.4	81.4	118.3	41.6	55	44	
Georgiou	Monthly	24/06/2019	11:55	87 Smith drive	62.8	57.4	79.4	114.3	42.1	51	42	
Georgiou	Monthly	24/06/2019	12:30	55 Pimlico road	58.3	51.4	67.2	111.4	40.9	49	41	