

NOISE REPORT ISSUES

2 WORROBIL ST UNITS

Table 2-1 Nearest noise-sensitive receivers

Receiver ID	Receiver Type	Address
R01	Single storey residential	14A Bangaroo St, North Balgowlah
R02	Double storey residential	14B Bangaroo St, North Balgowlah
R03	Three storey apartment building	2 Worrobil St, North Balgowlah
R04	Double storey residential	18 Bangaroo St, North Balgowlah
R05	Double storey residential	23 Bangaroo St, North Balgowlah

ACTUALLY 4 FROM FROM THEIR YARD

Table 4-5 Operational Scenario 2 – Eight children outside

ID	Address	Noise Prediction $L_{Aeq,15min}$	Noise Criteria	Compliance
R01	14A Bangaroo St, North Balgowlah	38	44	Compliant
	14A Bangaroo St, North Balgowlah – Front yard	32	46	Compliant
R02	14B Bangaroo St – Ground Floor	44	44	Compliant
	14B Bangaroo St – First Floor	49	49	Compliant
R03	2 Worrobil St – Ground Floor	40	44	Compliant
	2 Worrobil St – Upper Floor	48	49	Compliant
	18 Bangaroo St – Ground Floor	43	44	Compliant
R04	18 Bangaroo St – First Floor	49	49	Compliant
	18 Bangaroo St – Front yard	43	46	Compliant
R05	23 Bangaroo St, North Balgowlah	27	46	Compliant

WHERE IS 3RD STORY DATA.. OR 4TH

Extracts from amended acoustics report

REPORT FAILS TO TAKE INTO CONSIDERATION OUR BUILDING. IT'S ACTUALLY A FOUR STORY BUILDING FROM THEIR PROPOSED OUTDOOR PLAY AREA.....

POWER LEVEL MEASUREMENTS

4.2.3 Sound Power Level of Children Playing

WHY NOT AAC'S

Based on Wilkinson Murray's Sound Power Level measurement of previous child care noise assessment, a typical Sound Power Levels (L_w) of children playing is established. Resulting Sound Power Levels for children between 3 – 5 years old are shown in Table 4-3. The noise measurement is consistent with the children Sound Power Level range outlined in Section 6 of the AAC's Guideline for Child Care Centre Acoustic Assessment, October 2020.

Table 4-3 Children playing sound power level

Age Group	Number of Children in Group		
	10	20	30
3 – 5 years old	86	90	94

← SHOULD BE 87

Extracts from amended acoustics report

4.1 Children – Outdoor Play

The sound levels of children playing in the indoor and particularly, the outdoor areas vary widely depending on many factors such as the:-

- number of children vocal at any one time;
- activity that the children are engaged in;
- type of voice (from shout to whisper);
- age of the children;
- directionality of voice;
- distance between the children and the receiver point for outdoor and indoor areas;
- height of the child (i.e. whether standing or seated) for outdoor areas; and
- reverberation ('echo') in the room for indoor or semi-enclosed areas.

Children under 1 year of age are generally not walking or talking, although, they do cry and make sound. Nevertheless, they do not significantly contribute to 15 minute averaged noise levels in outdoor areas.

For older children, there are marginal differences in groups of children from 2 to 3 years of age and those from 3 to 5 years of age.

Table 1 provides recommended sound power levels for lots of 10 children, within the different age groupings, along with a recommended source height.

Table 1 – Effective Sound Power Levels ($L_{Aeq, 15min}$) for Groups of 10 Children Playing

Number and Age of Children	dB(A)	Sound Power Levels [dB] at Octave Band Centre Frequencies [Hz]							
		63	125	250	500	1k	2k	4k	8k
10 Children - 0 to 2 years	78	54	60	66	72	74	71	67	64
10 Children - 2 to 3 years	85	61	67	73	79	81	78	74	70
10 Children - 3 to 5 years	87	64	70	75	81	83	80	76	72

AAC'S

Notes:

- 1 If applicable, an adjustment to the above sound power levels of -6 dB could be applied in each age group for children involved in passive play.
- 2 For simplicity, based upon a review of World Health Organization (WHO) data, a single recommended source height of 1metre is suggested as the source heights.

Extract from AAC's Childcare guideline

APART FROM MISSING TWO WHOLE LEVELS OF OUR BUILDING. THEY HAVE USED THEIR OWN POWER LEVEL MEASUREMENTS TO GET NUMBERS ON THE PERMITTED LIMIT. THERE IS A OFFICIAL GUIDELINE WHICH SHOULD BE USED....

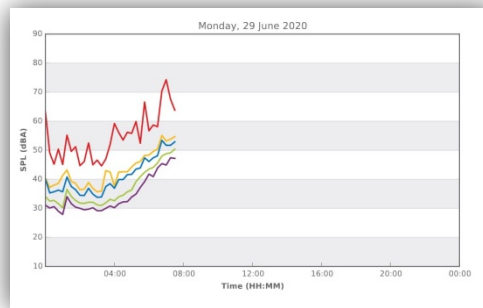
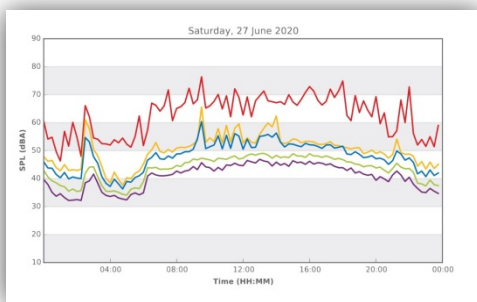
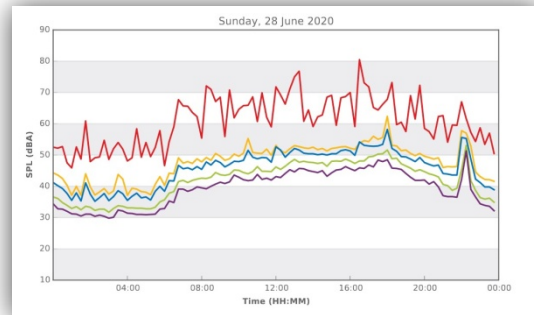
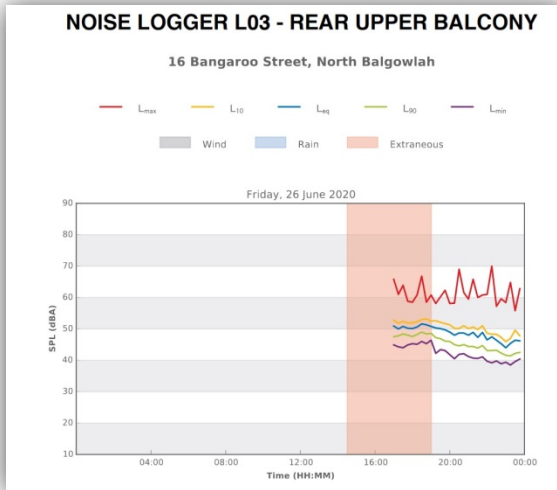
NOISE LOGGERS

3 EXISTING AMBIENT NOISE LEVELS

3.1 Background Noise Levels

Long-term unattended noise monitoring was conducted between 15 – 24 June 2020, using two ARL 316 and a NGARA noise logger. The noise monitoring equipment were set to A-weighted, fast response, continuously monitoring over 15-minute sampling periods.

~~Technical issues from the rear balcony noise logger (L03) occurred during monitoring on site. Monitoring was undertaken again between the 26 and 29 June 2020 on the ground floor of the backyard and the upper level balcony of the residential property. The equipment calibration was checked before and after the survey and no significant drift was noted.~~



Extracts from amended acoustics report

THE MOST IMPORTANT LOGGER COLLECTED NO ACUTAL LOGGER DATA DURING THE 8:30 AM TO 4PM MONDAY TO FRIDAY OPERATION HOURS