

Benedict Industries Pty Limited

Sandy Point - 14309 Heathcote Road, Menai NSW 2172

EPA Licence No: 1924

Noise Monitoring Requirements:

Noise monitoring is to be performed on a quarterly basis during operating hours for a duration of 15 minutes in both the Morning-Shoulder and Evening periods at each of the nominated monitoring points listed below.

Location of Monitoring Points:

- EPA Identification No.:**
- 3 - Residential receiver to the North-west of the site in Sandy Point community.
 - 4 - Residential receiver to the North of the site in Picnic Point community.
 - 5 - Residential receiver to the East of the site in Alfords Point community.

Summary of Results:

Date	EPA Identification No	Period	Site Noise Level Construction		EPL Limits, dB		Compliance (Y/N)
			L _{Aeq}	L _{Amax}	L _{Aeq}	L _{Amax}	
24/03/2021	3	Morning-Shoulder	I/A	I/A	37 (Morning-Shoulder)	45 (Morning-Shoulder)	Y
		Evening	I/A	I/A	35 (Evening)	N/A (Evening)	
	4	Morning-Shoulder	I/A	I/A	35 (Morning-Shoulder)	45 (Morning-Shoulder)	
		Evening ^	I/A	I/A	35 (Evening)	N/A (Evening)	
	5	Morning-Shoulder	I/A	I/A	37 (Morning-Shoulder)	45 (Morning-Shoulder)	
		Evening ^	30	33	35 (Evening)	N/A (Evening)	

Notes:

I/A Inaudible

^ Noise limits did not apply for these periods due to presence of either winds greater than 3m/s at 10m AGL or presence of G Class temperature inversion conditions.

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			L _{Aeq}	L _{Amax}	L _{Aeq}	L _{Amax}	
23-24/06/2021	3	Morning-Shoulder	I/A (≤35)*	I/A (≤35)*	37 (Morning-Shoulder)	45 (Morning-Shoulder)	Y
		Evening	I/A (≤33)**	I/A (≤33)**	35 (Evening)	N/A (Evening)	
	4	Morning-Shoulder	I/A (≤35)*	I/A (≤35)*	35 (Morning-Shoulder)	45 (Morning-Shoulder)	
		Evening	I/A (≤34)**	I/A (≤34)**	35 (Evening)	N/A (Evening)	
	5	Morning-Shoulder	33	34	37 (Morning-Shoulder)	45 (Morning-Shoulder)	
		Evening	I/A (≤31)**	I/A (≤31)**	35 (Evening)	N/A (Evening)	

Notes:

I/A Inaudible

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Where noise from the quarry was inaudible, quarry noise contribution has been estimated to be equal to or less than 10 dB below the background noise level (LA90) measured during the traffic lulls. This is considered a conservative estimate of quarry contributions.

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Date	EPA Identification No	Period	Site Noise Level Construction		EPL Limits, dB		Compliance (Y/N)
			L _{Aeq}	L _{Amax}	L _{Aeq}	L _{Amax}	
1/09/2021	3	Morning-Shoulder	36	41	37 (Morning-Shoulder)	45 (Morning-Shoulder)	Y
		Evening	N/A	N/A	35 (Evening)	N/A (Evening)	
	4	Morning-Shoulder	38	43	35 (Morning-Shoulder)	45 (Morning-Shoulder)	N*
		Evening	N/A	N/A	35 (Evening)	N/A (Evening)	
	5	Morning-Shoulder	I/A	I/A	37 (Morning-Shoulder)	45 (Morning-Shoulder)	Y
		Evening	N/A	N/A	35 (Evening)	N/A (Evening)	

Notes:

I/A Inaudible

N/A Quarry not in operation

- * Operations were audible during the morning shoulder measurement at location 4, including a hum from machinery and occasional “bangs” and “clangs” *likely* to have been caused by quarry operations. The estimated quarry LAeq15min noise contribution exceeded the relevant EPL LAeq, 15min limit by 3 dB. An exceedance of 3 dB is considered to be marginal by the EPA as defined in Table 4.1 of the NPfI (EPA 2017).

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Date	EPA Identification No	Period	Site Noise Level Construction		EPL Limits, dB		Compliance (Y/N)
			L _{Aeq}	L _{Amax}	L _{Aeq}	L _{Amax}	
18/11/2021	3	Morning-Shoulder	I/A	I/A	37 (Morning-Shoulder)	45 (Morning-Shoulder)	Y
		Evening	N/A	N/A	35 (Evening)	N/A (Evening)	
	4	Morning-Shoulder	I/A	I/A	35 (Morning-Shoulder)	45 (Morning-Shoulder)	
		Evening	N/A	N/A	35 (Evening)	N/A (Evening)	
	5	Morning-Shoulder	I/A	I/A	37 (Morning-Shoulder)	45 (Morning-Shoulder)	
		Evening	N/A	N/A	35 (Evening)	N/A (Evening)	

Notes:**I/A** Inaudible**N/A** Quarry not in operation