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Noise Monitoring

Boral Cement Wauchope – POELA Act 2011 Monitoring Data

Environment Protection Licence No. 1503

Background

Noise monitoring is undertaken at Wauchope Cement in accordance with Condition M4 of the Wauchope Cement Environment Protection Licence (EPL) No. 1503 which states:

M4 Noise monitoring

M4.1 To assess compliance with the noise limits specified within this licence, the licensee must undertake operator attended noise monitoring at each specified noise monitoring point in accordance with the table below.

POINT 2

Assessment period	Minimum frequency in a reporting period	Minimum duration within assessment period	Minimum number of assessment period
Day	Yearly	15 minutes	1 operation day

M4.2 Noise monitoring must occur corresponding to a period of normal operations that involves the loading and dispatch of at least one truck concurrent with a rail delivery.

Noise monitoring is undertaken to demonstrate the sites compliance to the Noise limits specified in the EPL which are specified in Condition L4 of the Wauchope Cement EPL 1503 which states:

L3 Noise limits

L3.1 Noise generated at the premises that is measured at each noise monitoring point established under this licence must not exceed the noise levels specified in Column 4 of the table below for that point during the corresponding time periods specified in Column 1 when measured using the corresponding measurement parameters listed in Column 2.

POINT 2

Time period	Measurement parameter	Measurement frequency	Noise level dB(A)
Day	Day-LAeq (15 minute)	Yearly	55



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- L3.2 For the purposes of the above condition Day is defined as the period from 7am to 5pm Monday to Friday and 7am to 3pm Saturdays.
- L3.3 The noise limits set out in the condition above apply under all meteorological conditions except for the following:
- a) wind speeds greater than 3 metres/second at 10 metres above ground level; or
 - b) stability category F temperature inversion conditions and wind speeds greater than 2 metres/second at 10 metres above ground level; or
 - c) Stability category G temperature inversion conditions.
- L3.4 To determine compliance:
- a) with the Leq(15 minute) noise limits in the table above, the noise measurement equipment must be located:
 - approximately on the property boundary, where any dwelling is situated 30 metres or less from the property boundary closest to the premises;
 - or within 30 metres of a dwelling façade, but not closer than 3m, where any dwelling on the property is situated more than 30 metres from the property boundary closest to the premises; or, where applicable
 - within approximately 50 metres of the boundary of a National Park or a Nature Reserve.
 - b) with the noise limits in this Noise Limits condition, the noise measurement equipment must be located:
 - at the most affected point at a location where there is no dwelling at the location; or
 - at the most affected point within an area at a location prescribed by this Noise Limits condition.
- L3.5 A non-compliance of the noise limits table will still occur where noise generated from the premises in excess of the appropriate limit is measured:
- 1. at a location other than an area prescribed in the table; and/or
 - 2. at a point other than the most affected point at a location.
- L3.6 For the purposes of determining the noise generated at the premises the modification factors in Fact Sheet C of the EPA's Noise Policy for Industry must be applied, as appropriate, to the noise levels measured by the noise monitoring equipment.

Noise Monitoring Results

2024 Noise Assessment

Muller Acoustic Consulting Pty Ltd (MAC) has completed a Noise Monitoring Assessment (NMA) on behalf of Boral Cement Limited at Boral Cement Wauchope, Wauchope, NSW. The assessment was completed to determine the depot compliance with relevant criteria outlined in the site's Environmental Protection Licence at relevant surrounding residential receivers for the annual return for the 2024 EPL period.

Attended noise measurements were undertaken on Wednesday 16 October 2024 at one EPL monitoring locations and two alternate monitoring locations with depot noise contributions compared against the relevant criteria. The assessment has identified that noise emissions generated by Boral Cement Wauchope complied with relevant noise criteria specified in the Environmental Protection Licence at all assessed residential receivers.



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2023 Noise Assessment

The 2023 Noise Monitoring Report by Muller Acoustic Consulting was finalised on 10 November 2023. Attended noise measurements were undertaken on Wednesday 1 November 2023 at the one EPL location and two alternative locations with depot noise contributions compared against the relevant criteria. The assessment identified that noise emissions generated by the Boral Cement Wauchope site complied with the relevant noise criteria in the EPL at all assessed residential receivers.

2022 Noise Assessment

The 2022 Noise Monitoring Report by Muller Acoustic Consulting was finalised on 31 October 2022. Attended noise measurements were undertaken on Wednesday 19 October 2022 at the one EPL location and two alternative locations with depot noise contributions compared against the relevant criteria. The assessment identified that noise emissions generated by the Boral Cement Wauchope site complied with the relevant noise criteria in the EPL at all assessed residential receivers.

2021 Noise Assessment

The second Annual Noise Monitoring Report by Muller Acoustic Consulting was finalised on 29 November 2021. Attended noise measurements were undertaken on Wednesday 17 November 2021 at the one EPL location and two alternative locations with depot noise contributions compared against the relevant criteria. The assessment identified that noise emissions generated by the Boral Cement Wauchope site complied with the relevant noise criteria in the EPL at all assessed residential receivers.

2020 Noise Assessment

The first Annual Noise Monitoring Report by Muller Acoustic Consulting was finalised on 5 November 2020. Attended noise measurements were undertaken on Wednesday 30 September 2020 at the one EPL location and two alternative locations with depot noise contributions compared against the relevant criteria. The assessment identified that noise emissions generated by the Boral Cement Wauchope site complied with the relevant noise criteria in the EPL at all assessed residential receivers.

Copies of any of the Noise Monitoring Assessment Reports prepared by Muller Acoustic Consulting are available on request

REPORT ENDS