

21 November 2018

Borg Manufacturing Pty Ltd
124 Lowes Mount Road
Oberon 2787 NSW
Attention: Victor Bendevski

Dear Victor,

Regarding: Additional attended monitoring Quarter 4 2018 – Clover Lane

1 INTRODUCTION

This letter provides data from additional attended monitoring undertaken during Quarter 4 2018 at Clover Lane.

Monitoring methodology, criteria and other relevant information relating to this monitoring can be found in 18389_R01.pdf.

2 RESULTS

2.1 Attended Noise Monitoring

Total noise levels measured are provided in Table 2.1.

Table 2.1: MEASURED NOISE LEVELS – QUARTER 4 2018¹

Location	Start Date and Time	L _{Amax} dB	L _{A1} dB	L _{A10} dB	L _{A50} dB	L _{Aeq} dB	L _{A90} dB	L _{Amin} dB
Clover Lane	14/11/2018 11:03	65	55	51	48	49	46	40

Notes: 1. Levels in this table are not necessarily the result of activity at Borg.

Table 2.2 compares measured L_{Aeq,15minute} levels from Borg with the Consent and ONMP noise criteria.

Table 2.2: LAeq,15minute GENERATED BY BORG AGAINST CRITERIA – QUARTER 4 2018

Location	Start Date and Time	Wind Speed m/s ¹	Stability Class ¹	VTG °C per 100m ¹	Criterion dB	Criterion Applies? ^{2,3}	Borg LAeq,15min dB ⁴	Exceedance ^{5,6}
Clover Lane	14/11/2018 11:03	2.0	B	-1.8	55	Yes	IA	Nil

Notes:

1. Atmospheric data is sourced from Borg weather station in Oberon;
2. In accordance with EPL and PA, the noise criteria are to apply under all meteorological conditions except the following:
 - Wind speeds greater than 3 m/s at 10 metres above ground level; or
 - Stability class F temperature inversion conditions, and wind speeds greater than 2 m/s at 10 metres above ground level; or
 - Stability class G temperature inversion conditions.
3. Criterion may or may not apply due to rounding of meteorological data values;
4. Estimated or measured LAeq,15minute attributed to the Borg;
5. Bold results in red indicate exceedance of criteria (if applicable); and
6. NA in exceedance column means atmospheric conditions outside conditions specified in development consent and so criterion is not applicable.

2.2 Modifying Factors

Measured Borg only levels were assessed for the applicability of modifying factors in accordance with the EPA's NPfI.

There were no intermittent or tonal noise sources, as defined in the NPfI, audible from site during the survey. Measured Borg only levels were assessed for the applicability of low-frequency modifying factors in accordance with the EPA's NPfI. None of the measurements attracted penalties, therefore no further assessment was undertaken.

2.3 Atmospheric Conditions

Atmospheric condition data measured by the operator at each location using a Kestrel hand-held weather meter is shown in Table 2.3. Atmospheric condition data is routinely recorded during each measurement to show conditions during the monitoring period. The wind speed, direction and temperature were measured at 1.8 metres.

Table 2.3: MEASURED ATMOSPHERIC CONDITIONS – QUARTER 4 2018¹

Location	Start Date and Time	Temperature (degrees)	Wind Speed (m/s)	Wind Direction	Cloud Cover (1/8s)
Clover Lane	14/11/2018 11:03	22	0.0	-	8

Notes:

1. "-" indicates calm conditions at 1.8 metres.

3 SUMMARY

Borg operations complied with the relevant criteria during the Quarter 4, 2018 survey at Clover Lane.

We trust this is per your requirements. Please contact us if you require anything further.



Prepared: Amanda Borserio
Consultant



QA review: Robert Kirwan
Consultant