



Project No: 04080

ATTENDED NOISE MONITORING – SEPTEMBER 2015

Boggabri Coal Mine

Boggabri, NSW

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EXECUTIVE SUMMARY

Attended noise monitoring has been carried out for the Boggabri Coal Mine (BCM) between the 7th and 10th of September, 2015. Monitoring was carried out in accordance with requirements of Environment Protection Licence (EPL 12407) and other relevant Australian Standards and guidelines.

The mine was in full operation during the entire survey period.

Noise levels were higher than the site-specific operational noise criterion at the Goonbri receiver location on two occasions. This property is now mine owned and, therefore, the noise criteria do not apply.

Data from those times where BCM operations were audible were analysed using Bruel & Kjaer “*Evaluator*” software. This analysis showed the noise did not contain any tonal, impulsive or low frequency components as per definitions of “modifying factor corrections” in the NSW Industrial Noise Policy.

The sleep disturbance criterion was not exceeded at any location during any of the night time monitoring periods.

1.0 INTRODUCTION

This report presents the results of attended noise compliance monitoring and measurements conducted for the Boggabri Coal Mine (BCM) in the period between the 7th and 10th of September, 2015. Monitoring was carried out in accordance with requirements of Environment Protection Licence (EPL 12407) and other relevant Australian Standards and guidelines.

1.1 Noise Monitoring Locations

Section L6 of EPL 12407 contains a table detailing a list of residences and corresponding EPA identification numbers (spellings are as per the EPL). The residences are listed below:

N1	Goonbri
N2	Sylvania
N3	Picton ¹
N4	Barbers Lagoon
N5	Glenhope
N6	Roma
N7	Arlington
N8	Roma 2 ²

1. See text regarding Picton monitoring location.
2. There are two properties named Roma in relative close proximity. Monitoring is carried out at both properties with the easternmost of these referred to as Roma 2 to avoid confusion (see Figure 1).

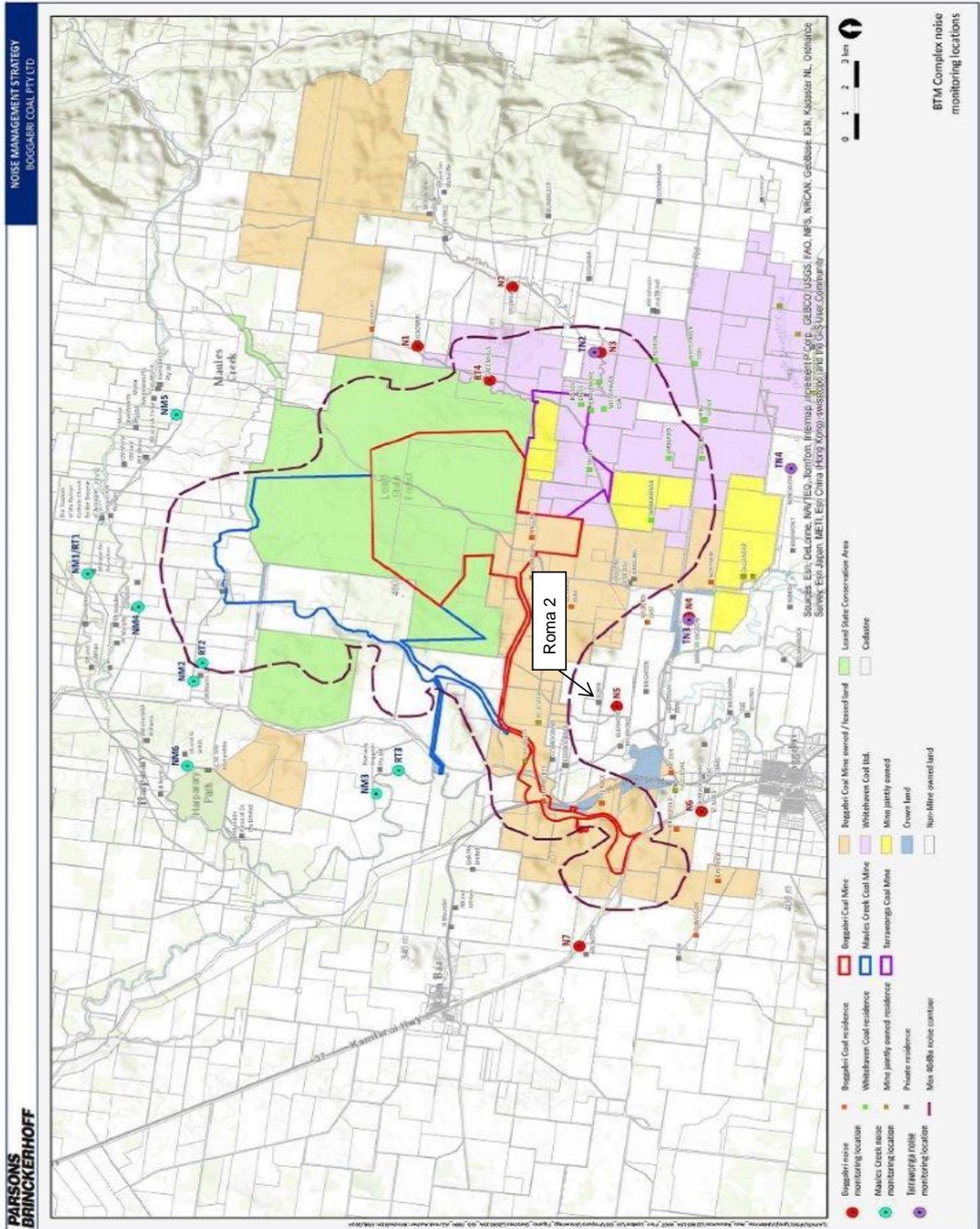
These monitoring locations are illustrated in **Figure 1**.

1.2 Monitoring Frequency and Duration

Section M8.1 of EPL 12407 (variation to licence dated July 2011) indicates that the attended noise monitoring must be conducted;

- a) at each of the locations detailed above (except that identified as N12, which is all other residences);
- b) quarterly in a reporting period;
- c) during each day, evening and night period for a minimum of:
 - 1.5 hours during the day;
 - 30 minutes during the evening; and
 - 1 hour during the night.
- d) occur for three consecutive operating days.

Figure 1
Noise Monitoring Locations



2.0 CRITERIA AND CONDITIONS

2.1 Noise Assessment Criteria

Condition L3.1 of EPL 12407 states that the noise criterion at all privately owned residences is **35 dB(A) Leq (15 min)** (operational noise criterion) for each of the day, evening and night time periods, with “day” defined as 7am to 6pm Monday to Saturday and 8am to 6pm Sundays and Public Holidays, “evening” being 6pm to 10pm and “night” being all other times.

In addition to the above the noise level at night must not exceed **45 dB(A) L1 (1 min)** (sleep disturbance criterion) at any residence.

Condition L 3.2 of EPL 12407 indicates that the above criteria do not apply at residences that are either subject to an agreement or are subject to acquisition or noise mitigation on request (as listed in a table in condition L3.3). These conditions and residences are shown in the extract from the EPL as **Appendix B** to this report.

In relation to the current noise monitoring programme the following residence is included in the table (as condition L3.3 in EPL 12407);

N1 Goonbri (nos. 67 and 68 in EPL)

It is noted that this property is now mine owned.

2.2 Monitoring Location Definition

EPL 12407 states that to determine compliance with the Leq (15 min) operational noise criteria the noise measurement equipment must be located:

- Approximately on the property boundary, where any dwelling is situated 30m or less from the property boundary closest to the premises; or
- Within 30m of a dwelling façade, but not closer than 3m, where any dwelling on the property is situated more than 30m from the property boundary closest to the premises; or, where applicable
- Within 50m of the boundary of a National Park or Nature Reserve.

2.3 Applicable Meteorological Conditions

The noise limits apply under all meteorological conditions except for the following;

1. Wind speeds greater than 3m/s at 10m above ground level.

2.4 Other Conditions

To determine compliance with the Leq (15 min) operational noise criteria the modification factors detailed in Section 4 of the NSW industrial Noise policy must be applied, as appropriate, to the measured noise levels.

To determine compliance with the L1 (1 min) sleep disturbance noise criterion the noise measurement equipment must be located within 1m of a dwelling façade.

3.0 NOISE MONITORING PROCEDURE

3.1 Monitoring Equipment

Attended noise monitoring was conducted with Brüel & Kjær Type 2250 Precision Sound Analysers. These instruments have Type 1 characteristics as defined in AS1259-1982 “Sound Level Meters” and have current NATA calibration. Field calibration is carried out at the start and end of each monitoring period.

A-weighted noise levels were measured over the appropriate monitoring periods (90 minutes/day, 30 minutes/evening and 60 minutes/night) with data acquired at 1 or 2 second statistical intervals and the meter set to “fast” response. Each 1 or 2 second measurement is accompanied by a third-octave band spectrum from 20 - 20k Hz which is required for analysing INP ‘modifying factors’. Time based field notes allow for determination of the relative contributions to the overall noise level of all significant noise sources.

3.2 Measurement Analysis

The operational noise criteria for compliance with Section L 6.1 of EPL 12407 are based on a 15 minute Leq noise level. The procedures detailed in Section M 8.1 of EPL 12407 require noise monitoring for significantly longer periods than that of the compliance criteria. To determine compliance with the EPL conditions the worst case 15 minute period, in relation to mine noise, was extracted from each measurement and compared to the criteria in Section L 6.1.

This worst case 15 minute Leq noise level for each monitoring period is shown in the tables below. The “time” shown in the tables of results represents the starting time of each full monitoring period.

Where the noise from BCM was audible Bruel & Kjaer “*Evaluator*” analysis software was used to quantify the contributions of the mine and other significant noise sources to the overall. Mine noise from BCM is shown in the tables in bold type.

Due to the close proximity, relative to some receivers, of BCM and the nearby Tarrawonga Coal Mine (TCM), it is sometimes not always possible to determine the partial contributions of emissions from each mine to the overall measured noise level. Where this is the case the total measured mine noise is shown in the tables as “mine”. An estimate of the relative contributions of each mine has been made based on the field observations and data analysis.

When no mine noise was audible at a monitoring location, a representative 15 minute noise measurement was made with observations carried out for the remainder of the applicable time period. In these instances, the measured noise level for the representative 15 minute period is that shown in the tables below.

To avoid undue influence of noise from local traffic on roads adjacent to some measurement locations, where practical, this noise has been excluded from the measurements prior to further analysis.

3.3 Meteorological Data

Wind speed and direction data used in this report were taken from the mine operated meteorological station located approximately 2km to the south-west of the BCM open cut. Temperature inversion strength was interpreted from data from the BCM met tower, located near the administration area, which has temperature

sensors at 2m and 52m above ground level. The data was extrapolated to 100m. The reported meteorological data is specific to the worst case 15 minute noise measurement as described above.

3.4 Special Conditions

Before the noise surveys, Spectrum Acoustics personnel were briefed on the current location(s) of activities.

The compliance measurement locations are different for each of the operational and sleep disturbance noise. That is, the sleep disturbance criterion is typically applicable at 1m from the façade of a bedroom window.

To avoid undue disturbance to residents the L1 (1 min) noise level from the operational measurements are used to show general compliance with the sleep disturbance criterion. That is, as the distance between the noise source and the operational noise monitoring location is significantly greater than the distance between the operational noise monitoring location and the sleep disturbance monitoring location (i.e. 1m from the facade of the house) there will be little variation in L1 (1 min) levels between the two monitoring locations.

It must be noted, however, that the sleep disturbance criterion is to be measured near a bedroom window. As the internal layout of each residence is not known, to consider a worst case, this is assumed to be facing the operational noise monitoring location.

For access reasons the monitoring at the Picton location (N3) is undertaken at the boundary of the Matong and Coomalgah properties as shown on Figure 1. A review of the noise contours for the operation of BCM shows a -5 dB(A) correction factor between the monitoring location and the residence. In the table of results this factor has been taken into account when presenting the BCM noise level at the receiver.

Although not a compliance measurement location monitoring was also undertaken at the Roma 2 property with results of monitoring included in the tables.

4.0 RESULTS AND DISCUSSION

4.1 Measured Noise Levels

Measured noise levels for each monitoring location and each day are summarised in **Tables 1 - 9**.

The total measured mine noise level is shown in the tables. Where it is not possible to accurately measure the relative contribution of BCM to the overall level an estimate of the contribution has been made based on data analysis and field observations. The noise contribution from BCM, as shown in the tables, is BCM's component of the overall level and is not additional to the overall mine noise.

The total noise level is that measured at the location whereas the level shown for mining noise in the identified noise sources has been corrected by -5 dB(A).

The total measured noise level at the Picton monitoring location (including all mine noise) is shown in the tables. The noise level shown for BCM has been adjusted by -5 dB(A) as per the earlier discussion.

Table 1
BCM Operational Noise Monitoring Results – 7 September 2015 (evening)

Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temperature Inversion °C/100m	Identified Noise Sources
Goonbri	6:27 pm	45	2.4/314	+4.0	Frogs (45), mine noise (32) BCM est. (32)
Sylvania	7:12 pm	29	0.8/312	+4.6	Mine noise (28) BCM est. (28) , frogs (24)
Picton	7:49 pm	31	1.0/1	+7.0	Mine noise (25) BCM est. (22) , frogs (25)
Barbers Lagoon	8:32 pm	36	2.5/220	+2.0	Frogs (36), traffic (22), BCM (<20)
Glenhope	7:43 pm	27	1.0/1	+7.0	Traffic (24), frogs (24), BCM (<20)
Roma	8:27 pm	37	2.5/220	+2.0	Wind (34), traffic (34), BCM (<20)
Arlington	9:16 pm	29	0.8/1	+4.8	Frogs & insects (29), BCM (<20)
Roma 2	7:02 pm	34	1.5/274	+4.0	Frogs (33), traffic (27), BCM (<20)

Table 2
BCM Operational Noise Monitoring Results – 7/8 September 2015 (night)

Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Temperature Inversion °C/100m	Identified Noise Sources
Goonbri	10:02 pm	37	0.7/180	+2.8	Frogs (37), mine noise (26) BCM est. (26)
Sylvania	12:19 am	30	1.0/173	+4.4	Frogs (27), mine noise (27) BCM est. (26)
Picton	11:13 pm	25	1.6/220	+2.4	Frogs (21), mine noise (<20) BCM est. (<20)
Barbers Lagoon	2:44 am	24	0.6/118	+6.6	Frogs (24), BCM (<20)
Glenhope	11:17 pm	26	1.0/184	+3.2	Sheep (24), traffic (21), BCM (<20)
Roma	12:27 am	27	0.6/291	+6.0	Traffic (26), frogs (21), BCM (<20)
Arlington	1:43 am	25	Calm	+6.2	Frogs & insects (25), BCM (<20)
Roma 2	10:05 pm	30	0.7/5	+4.4	Frogs (28), traffic (25), BCM (<20)

Table 3
BCM Operational Noise Monitoring Results – 8 September 2015 (day)

Location	Time	Total dB(A), Leq (15 min)	Wind speed/ direction	Identified Noise Sources
Goonbri	12:50 pm	41	3.1/230	Birds (38), wind (37), mine noise (25) BCM est. (25)
Sylvania	9:32 am	40	3.2/196	Birds (39), wind (31), traffic (28), BCM (<20)
Picton	11:10 am	32	2.0/242	Birds (29), mine noise (23) BCM est. (21)
Barbers Lagoon	2:36 pm	35	2.9/208	Tractor (33), birds (29), traffic (26), BCM (<20)
Glenhope	12:01 pm	37	1.8/240	Birds (36), wind (29), traffic (24), BCM (<20)
Roma	2:32 pm	42	2.9/207	Birds (41), traffic (33), wind (29), BCM (<20)
Arlington	8:31 am	35	2.4/207	Wind (34), birds (29), BCM (<20)
Roma 2	10:21 am	39	3.1/221	Birds (38), wind (28), traffic (26), BCM (<20)

Table 4
BCM Operational Noise Monitoring Results – 8 September 2015 (evening)

Location	Time	Total dB(A), Leq (15 min)	Wind speed/direction	Temperature Inversion °C/100m	Identified Noise Sources
Goonbri	8:25 pm	40	0.6/307	+3.0	Mine noise (40) BCM est. (40) , frogs (20)
Sylvania	7:04 pm	30	1.9/232	+2.0	Frogs (28), mine noise (26) BCM est. (26)
Picton	7:42 pm	34	0.8/287	+2.8	Mine noise (29) BCM est. (23)
Barbers Lagoon	8:36 pm	25	0.7/284	+1.8	Traffic (22), frogs (22), BCM (<20)
Glenhope	7:13 pm	30	1.4/242	+1.8	Traffic (28), wind (25), BCM (<20)
Roma	9:19 pm	34	0.8/21	+5.4	Traffic (34), frogs (22), BCM (<20)
Arlington	6:25 pm	27	2.5/214	+2.0	Frogs (27), BCM (<20)
Roma 2	7:54 pm	33	0.8/283	+3.0	Frogs (32), traffic (27), BCM (<20)

Table 5
BCM Operational Noise Monitoring Results – 8/9 September 2015 (night)

Location	Time	Total dB(A), Leq (15 min)	Wind speed/direction	Temperature Inversion °C/100m	Identified Noise Sources
Goonbri	1:42 am	35	1.2/213	+7.4	Mine noise (35) BCM est. (35) , insects (24)
Sylvania	11:20 pm	32	0.8/355	+5.0	Frogs & insects (30), mine noise (28) BCM est. (28)
Picton	12:30 am	34	0.8/299	+5.6	Mine noise (29) BCM est. (<20)
Barbers Lagoon	12:21 am	25	0.9/294	+4.8	Frogs (22), mine noise (22) BCM est. (22)
Glenhope	10:00 pm	36	0.6/351	+4.6	Sheep (36), traffic (23), BCM (<20)
Roma	1:33 am	27	1.2/213	+7.4	Traffic (27), BCM (<20)
Arlington	2:49 am	22	2.0/227	+4.2	Frogs (22), BCM (<20)
Roma 2	11:09 pm	24	0.8/353	+5.4	Frogs (24), BCM (<20)

Table 6
BCM Operational Noise Monitoring Results – 9 September 2015 (day)

Location	Time	Total dB(A), Leq (15 min)	Wind speed/direction	Identified Noise Sources
Goonbri	8:44 am	38	2.7/223	Birds (38), mine noise (25) BCM est. (25)
Sylvania	10:28 am	46	1.8/202	Birds (46), BCM (<20)
Picton	12:05 pm	33	2.8/232	Mine noise (26) BCM est. (<20) , birds (28)
Barbers Lagoon	8:33 am	36	2.3/215	Birds (36), tractor (23), BCM (<20)
Glenhope	12:07 pm	39	2.5/220	Birds (38), wind (32), BCM (<20)
Roma	1:50 pm	35	1.9/318	Birds (33), traffic (29), rail line works (26), BCM (<20)
Arlington	3:38 pm	40	1.1/276	Birds (40), BCM (<20)
Roma 2	10:21 am	39	2.1/213	Birds (39), traffic (26), BCM (<20)

Table 7
BCM Operational Noise Monitoring Results – 9 September 2015 (evening)

Location	Time	Total dB(A), Leq (15 min)	Wind speed/direction	Temperature Inversion °C/100m	Identified Noise Sources
Goonbri	7:00 pm	36	2.2/227	+1.0	Mine noise (35) BCM (35) , frogs (30)
Sylvania	7:43 pm	27	0.5/308	+2.8	Mine noise (24) BCM est. (24) , frogs (24)
Picton	8:18 pm	35	0.7/278	+2.6	Mine noise (30) BCM est. (<25)
Barbers Lagoon	8:34 pm	25	1.0/251	+3.0	Traffic (22), frogs (22), BCM (<20)
Glenhope	7:10 pm	33	0.7/280	+1.8	Traffic (32), frogs (27), BCM (<20)
Roma	9:16 pm	29	0.9/20	+5.0	Traffic (28), frogs (22), BCM (<20)
Arlington	6:20 pm	31	1.4/211	+2.8	Frogs (31), BCM (<20)
Roma 2	7:51 pm	26	0.7/282	+3.4	Traffic (25), frogs (20), BCM (<20)

Table 8
BCM Operational Noise Monitoring Results – 9/10 September 2015 (night)

Location	Time	Total dB(A), Leq (15 min)	Wind speed/direction	Temperature Inversion °C/100m	Identified Noise Sources
Goonbri	10:00 pm	36	1.1/27	+6.2	Mine noise (36) BCM est. (36) , frogs (24)
Sylvania	11:12 pm	24	1.5/354	+8.4	Mine noise (24) BCM est. (24)
Picton	12:21 am	28	0.8/352	+6.8	Mine noise (23) BCM est. (<20)
Barbers Lagoon	12:22 am	24	0.8/352	+6.8	Frogs (21), mine noise (21) BCM est. (<20)
Glenhope	10:00 pm	30	1.1/27	+6.2	Traffic (28), sheep (26), BCM (<20)
Roma	1:32 am	26	0.6/11	+8.0	Traffic (26), BCM (<20)
Arlington	2:51 am	27	0.7/336	+5.8	Frogs (27), BCM (<20)
Roma 2	11:08 pm	23	1.0/343	+7.2	Traffic (23), BCM (<20)

Table 9
BCM Operational Noise Monitoring Results – 10 September 2015 (day)

Location	Time	Total dB(A), Leq (15 min)	Wind speed/direction	Identified Noise Sources
Goonbri	1:12 pm	38	2.6/215	Birds (37), wind (29), mine noise (25) BCM est. (25)
Sylvania	9:46 am	39	1.5/185	Birds (39), BCM (<20)
Picton	11:27 am	29	1.7/192	Birds (28), mine noise (<20) BCM est. (<20)
Barbers Lagoon	10:23 am	36	1.8/184	Birds (34), traffic (30), mine noise (29), BCM est. (<20)
Glenhope	1:43 pm	36	2.4/187	Birds (36), mine noise (22) BCM est. (<20)
Roma	3:23 pm	41	3.0/202	Birds (38), rail line works (37), traffic (28), BCM (<20)
Arlington	8:33 am	43	1.3/184	Birds (43), BCM (<20)
Roma 2	12:04 pm	28	2.3/186	Birds (26), mine noise (23) BCM est. (23)

4.2 Discussion of Results

The results shown in **Tables 1 - 9** indicate that, under the operational and atmospheric conditions at the time, noise emissions from BCM were higher than the site specific operational noise criterion of 35 dB(A) Leq (15 min) on two occasions, at Goonbri during the evening of September 8 and the night of September 9.

The Goonbri property is now owned by BCM and, therefore, the noise limit of 35 dB(A) does not apply at this receiver.

4.2.1 Audible Mining Noise Sources

Where the noise from BCM was audible it was from truck revs, dozer tracks and general mine hum.

4.2.2 Modifying Factor Corrections

Data from those times where BCM operations were audible were analysed using the “*Evaluator*” software. This analysis showed the noise did not contain any tonal, impulsive or low frequency components as per definitions of “modifying factor corrections” in the NSW Industrial Noise Policy.

4.2.3 Sleep Disturbance

Measured L1 (1 min) noise levels for each night time monitoring period are summarised in **Tables 10- 12**. At the Goonbri, Sylvania, Picton, Barbers Lagoon, Glenhope and Roma 2 monitoring locations, the L1 (1 min) measurement is from all mine noise. At these locations it is not usually possible to accurately discriminate between BCM and TCM for maximum noise events. At the other locations only the L1 (1 min) noise level of emissions from BCM are shown. As per the discussion for operational noise the L1 (1 min) level shown has been corrected by -5 dB(A).

Table 10 BCM Sleep Disturbance Monitoring Results – 7/8 September 2015 (night)				
Location	Time	dB(A),L1 (1 min)	Wind speed/direction	Temp Grad(°C/100m)
Goonbri	10:02 pm	30	0.7/180	+2.8
Sylvania	12:19 am	31	1.0/173	+4.4
Picton	11:13 pm	28	1.6/220	+2.4
Barbers Lagoon	2:44 am	<20	0.6/118	+6.6
Glenhope	11:17 pm	<20	1.0/184	+3.2
Roma	12:27 am	<20	0.6/291	+6.0
Arlington	1:43 am	<20	Calm	+6.2
Roma 2	10:05 pm	<20	0.7/5	+4.4

Table 11 BCM Sleep Disturbance Monitoring Results – 8/9 September 2015 (night)				
Location	Time	dB(A),L1 (1 min)	Wind speed/direction	Temp Grad(°C/100m)
Goonbri	1:42 am	42	1.2/213	+7.4
Sylvania	11:20 pm	32	0.8/355	+5.0
Picton	12:30 am	39	0.8/299	+5.6
Barbers Lagoon	12:21 am	25	0.9/294	+4.8
Glenhope	10:00 pm	<20	0.6/351	+4.6
Roma	1:33 am	<20	1.2/213	+7.4
Arlington	2:49 am	<20	2.0/227	+4.2
Roma 2	11:09 pm	<20	0.8/353	+5.4

Table 12 BCM Sleep Disturbance Monitoring Results – 9/10 September 2015 (night)				
Location	Time	dB(A),L1 (1 min)	Wind speed/direction	Temp Grad(°C/100m)
Goonbri	10:00 pm	41	1.1/27	+6.2
Sylvania	11:12 pm	27	1.5/354	+8.4
Picton	12:21 am	34	0.8/352	+6.8
Barbers Lagoon	12:22 am	23	0.8/352	+6.8
Glenhope	10:00 pm	<20	1.1/27	+6.2
Roma	1:32 am	<20	0.6/11	+8.0
Arlington	2:51 am	<20	0.7/336	+5.8
Roma 2	11:08 pm	<20	1.0/343	+7.2

The results in Tables 10 to 12 show that, under the operating and meteorological conditions at the times, the maximum L1 (1 min) noise emission from BCM did not exceed the sleep disturbance criterion at any monitoring location on any night.

4.2.4 Noise Controls

Annual sound power level testing is undertaken by BCM to ensure sound emissions from the mine are in accordance with those modelled.

The results of the current monitoring show that there are no unpredicted exceedances of the noise criteria and that therefore noise controls and mining operational conditions are proving effective. Specific noise mitigation and management actions were therefore not required during the reporting period.

APPENDIX A

DESCRIPTION OF ACOUSTICAL TERMS

Table A1
Definition of acoustical terms

Term	Description
dB(A)	The quantitative measure of sound heard by the human ear, measured by the A- Scale Weighting Network of a sound level meter expressed in decibels (dB).
SPL	Sound Pressure Level. The incremental variation of sound pressure above and below atmospheric pressure and expressed in decibels. The human ear responds to pressure fluctuations, resulting in sound being heard.
STL	Sound Transmission Loss. The ability of a partition to attenuate sound, in dB.
Lw	Sound Power Level radiated by a noise source per unit time re 1pW.
Leq	Equivalent Continuous Noise Level - taking into account the fluctuations of noise over time. The time-varying level is computed to give an equivalent dB(A) level that is equal to the energy content and time period.
L1	Average Peak Noise Level - the level exceeded for 1% of the monitoring period.
L90	“Background” Noise Level - the level exceeded for 90% of the monitoring period.

APPENDIX B

EXTRACT FROM EPL 12407

L3 Noise limits

L3.1 Noise generated at the premises must not exceed the noise limits in the table below.

Locality and Location	Day- LAeq(15 minute)	Evening- LAeq(15 minute)	Night- LAeq(15 minute)	Night- LA1(1 minute)
All privately owned residences	35 dB(A)	35 dB(A)	35 dB(A)	45 dB(A)

L3.2 The noise limits identified in the above table do not apply at privately owned residences that are:
 a) identified as residences subject to acquisition or noise mitigation on request within the Project Approval Conditions (09_0182); or
 b) subject to a private agreement, relating to the noise levels, between the licensee and the land owner.

L3.3 For the purpose of condition L3.2(a) above, those properties identified as residences subject to acquisition or noise mitigation on request within the Project Approval Conditions (PA 10_0138) are:

Property No.	Lot/ DP
54	Lot 121/ DP 754926
52	Lot 2/ DP 716002
67	Lot 2/ DP 754927
68	Lot 3/ DP 754927
23	Lot 1/ DP 754926
27	Lot 41/ DP 754926
48	Lot 22/ DP 618032
86	Lot 2/ DP 1131282
43	Lot 1/ DP 509312
44	Lot 11/ DP 775513
32	Lot 1/ DP 1099042
33	Lot 1/ DP 1092050
79	Lot 132/ DP 754926
90	Lot 143/ DP 754926