

## NARRABRI MINE – MONTHLY MONITORING SUMMARY

### Site Information

**EPL No:** 12789

**EPA Website Link:** <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=34050&SYSUID=1&LICID=12789>

**Licensee:** Narrabri Coal Operations Pty Ltd

**Licensee Address:** Narrabri Mine, 10 Kurrajong Creek Road, BAAN BAA NSW 2390

**EPL Monitoring Points:** See Figure 1 below

**Sampling Period:** June 2014

**Publication Date:** 6<sup>th</sup> July 2014

**Table 1 – No Pollutant Limits Apply**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
ND3	Deposited Matter	g/m <sup>2</sup> /month	Once a month (min. 4 weeks)	1	13-Jun-14	25-Jun-14	N/A	N/A	N/A	0.2
11	Conductivity	µs/cm	Upon discharge	0						
	TOC	mg/L		0						
12	Conductivity	µs/cm	Upon discharge	0						
	TOC	mg/L		0						
13	Conductivity	µs/cm	Upon discharge	0						
	TOC	mg/L		0						
14	Conductivity	µs/cm	Quarterly – Upon discharge	0						
	TOC	mg/L		0						
	Oil & Grease	mg/L		0						
	pH	pH		0						
	TSS	mg/L		0						
15	Conductivity	µs/cm	Quarterly – Upon discharge	0						
	TOC	mg/L		0						
	Oil & Grease	mg/L		0						
	pH	pH		0						
	TSS	mg/L		0						

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
16	Conductivity	µs/cm	Quarterly – Upon discharge	0						
	TOC	mg/L		0						
	Oil & Grease	mg/L		0						
	pH	pH		0						
	TSS	mg/L		0						
17	Conductivity	µs/cm	Quarterly – Upon discharge	0						
	TOC	mg/L		0						
	Oil & Grease	mg/L		0						
	pH	pH		0						
	TSS	mg/L		0						
18	Conductivity	µs/cm	Upon discharge	SD7 not yet constructed						
	TOC	mg/L								
19	Conductivity	µs/cm	Quarterly – Upon discharge	0						
	TOC	mg/L		0						
	Oil & Grease	mg/L		0						
	pH	pH		0						
	TSS	mg/L		0						
20	Conductivity	µs/cm	Quarterly – Upon discharge	0						
	TOC	mg/L		0						
	Oil & Grease	mg/L		0						
	pH	pH		0						
	TSS	mg/L		0						
21	Conductivity	µs/cm	Quarterly – Upon discharge	0						
	TOC	mg/L		0						
	Oil & Grease	mg/L		0						
	pH	pH		0						
	TSS	mg/L		0						
22	Conductivity	µs/cm	Quarterly – Upon discharge	0						
	TOC	mg/L		0						
	Oil & Grease	mg/L		0						
	pH	pH		0						
	TSS	mg/L		0						

**Table 2 - Pollutant Limits Apply (Water)**

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
11	TSS	mg/L	Upon discharge	0						50		Dam – SD4
	Oil & Grease	mg/L		0						10		
	pH	pH		0						6.5-8.5		
12	TSS	mg/L	Upon discharge	0						50		Dam – SD5
	Oil & Grease	mg/L		0						10		
	pH	pH		0						6.5-8.5		
13	TSS	mg/L	Upon discharge	0						50		Dam – SD2
	Oil & Grease	mg/L		0						10		
	pH	pH		0						6.5-8.5		
18	TSS	mg/L	Upon discharge	SD7 not yet constructed								
	Oil & Grease	mg/L										
	pH	pH										

**Table 3 – Monitoring (Quarterly Attended Noise – Limits Apply)**

EPL ID	Date	Measured Levels – dB(A) $L_{eq\ 15min\ Day}$	Measured Levels – dB(A) $L_{eq\ 15min\ Evening}$	Measured Levels – dB(A) $L_{eq\ 15min\ Night}$	Measured Levels – dB(A) $L_{A1\ (1\ min)\ Night}$	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments
N1	2-Jun-14	-	35	31	39	<u>Day, Evening &amp; Night:</u> 35 <u>Night</u> <u><math>L_{A1\ (1\ min):}</math></u> 45	Day – 1.5 hrs	Yes	Yes	Results are NM sources.
	3-Jun-14	26	35	31	37		Evening – 0.5 hrs	Yes	Yes	Results are NM sources.
	4-Jun-14	34	Inaudible	27	35		Night – 1 hr	No	Yes	Results are NM sources.
	5-Jun-14	30	-	-	-		Yes	Yes	Results are NM sources.	
N3	2-Jun-14	-	34	32	40	<u>Day, Evening &amp; Night:</u> 35 <u>Night</u>	Day – 1.5 hrs	Yes	Yes	Results are NM sources.
	3-Jun-14	28	29	Inaudible	N/A		Evening – 0.5 hrs	Yes	Yes	Results are NM sources.

EPL ID	Date	Measured Levels – dB(A) <i>L<sub>eq</sub> 15min Day</i>	Measured Levels – dB(A) <i>L<sub>eq</sub> 15min Evening</i>	Measured Levels – dB(A) <i>L<sub>eq</sub> 15min Night</i>	Measured Levels – dB(A) <i>L<sub>A1</sub> (1 min) Night</i>	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments
	4-Jun-14	Inaudible	20	30	39	<i>L<sub>A1</sub> (1 min):</i> 45	Night – 1 hr	Yes	Yes	Results are NM sources.
	5-Jun-14	30	-	-	-			Yes	Yes	Results are NM sources.
N5	2-Jun-14	-	23	32	36	<u>Day, Evening &amp; Night:</u> 35 <u>Night</u> <i>L<sub>A1</sub> (1 min):</i> 45	Day – 1.5 hrs	Yes	Yes	Results are NM sources.
	3-Jun-14	25	Inaudible	Inaudible	N/A		Evening – 0.5 hrs	Yes	Yes	Results are NM sources.
	4-Jun-14	Barely audible	Inaudible	24	28		Night – 1 hr	Yes	Yes	Results are NM sources.
	5-Jun-14	30	-	-	-		Yes	Yes	Results are NM sources.	
N6	2-Jun-14	-	-	-	N/A	<u>Day, Evening &amp; Night:</u> 35 <u>Night</u> <i>L<sub>A1</sub> (1 min):</i> 45	Day – 1.5 hrs	Yes	Yes	Results are NM sources. Monitoring undertaken at mine boundary so levels calculated for residence.
	3-Jun-14	29	20	21	N/A		Evening – 0.5 hrs	Yes	Yes	
	4-Jun-14	16	16	19	N/A		Night – 1 hr	No	Yes	
	5-Jun-14	12	-	-	-		Yes	Yes		
N7	2-Jun-14	-	32	24	30	<u>Day, Evening &amp; Night:</u> 35 <u>Night</u> <i>L<sub>A1</sub> (1 min):</i> 45	Day – 1.5 hrs	Yes	Yes	Results are NM sources.
	3-Jun-14	Inaudible	33	33	39		Evening – 0.5 hrs	Yes	Yes	Results are NM sources.
	4-Jun-14	28	Inaudible	28	36		Night – 1 hr	No	Yes	Results are NM sources.
	5-Jun-14	29	-	-	-		Yes	Yes	Results are NM sources.	
N8	Monitoring at N8 to commence when surface activities approach the eastern end of the southern longwall panels.									

Figure 1 – EPL 12789 Monitoring Locations

