

**NARRABRI MINE – MONTHLY MONITORING SUMMARY**

**Site Information**

**EPL No:** 12789

**EPA Website Link:** <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=40629&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:** March 2015

**Publication Date:** 10<sup>th</sup> April 2015

**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	16-Mar-15	24-Mar-15	N/A	N/A	N/A	0.5
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						

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
	TSS	mg/L		0						
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						



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
	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	17-Mar-15	27	25	28	35	<u>Day, Evening &amp; Night:</u> 35 <u>Night</u> <u><math>L_{A1\ (1\ min):}</math></u> 45	Day – 1.5 hrs	No	Yes	Results are NM sources
	18-Mar-15	Inaudible	29	33	37		Evening – 0.5 hrs	No	Yes	Results are NM sources
	19-Mar-15	26	35	35	39		Night – 1 hr	No	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
N5	17-Mar-15	25	27	23	28	<u>Day, Evening &amp; Night:</u> 35 <u>Night</u> <u>L<sub>A1</sub> (1 min):</u> 45	Day – 1.5 hrs	No	Yes	Results are NM sources
	18-Mar-15	33	Faintly Audible	27	31		Evening – 0.5 hrs	No	Yes	Results are NM sources
	19-Mar-15	24	25	25	28		Night – 1 hr	No	Yes	Results are NM sources
N6	17-Mar-15	<20	<20	<20	23	<u>Day, Evening &amp; Night:</u> 35 <u>Night</u> <u>L<sub>A1</sub> (1 min):</u> 45	Day – 1.5 hrs	No	Yes	Results are NM sources. Monitoring undertaken at mine boundary so levels calculated for residence
	18-Mar-15	<20	23	22	24		Evening – 0.5 hrs	No	Yes	
	19-Mar-15	<20	23	22	24		Night – 1 hr	No	Yes	
N7	17-Mar-15	Inaudible	Inaudible	Inaudible	NA	<u>Day, Evening &amp; Night:</u> 35 <u>Night</u> <u>L<sub>A1</sub> (1 min):</u> 45	Day – 1.5 hrs	No	Yes	Results are NM sources
	18-Mar-15	Inaudible	Inaudible	Inaudible	NA		Evening – 0.5 hrs	No	Yes	Results are NM sources
	19-Mar-15	34	Inaudible	32	37		Night – 1 hr	No	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

