

NARRABRI MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12789

EPA Website Link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&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: January 2018

Obtained Date: 31 January 2018

Publication Date: 2 February 2018

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 ² /month	Once a month (min. 4 weeks)	1	15-Jan-18	31-Jan-18	N/A	N/A	N/A	0.6
11	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						
16	Conductivity	µs/cm	Quarterly –	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
	TOC	mg/L	Upon discharge	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		
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) <i>L_{eq} 15min Day</i>	Measured Levels – dB(A) <i>L_{eq} 15min Evening</i>	Measured Levels – dB(A) <i>L_{eq} 15min Night</i>	Measured Levels – dB(A) <i>L_{A1} (1 min) Night</i>	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	Not required					<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs				
							Evening – 0.5 hrs				
								Night – 1 hr			
N6	Not required					<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs				
							Evening – 0.5 hrs				
								Night – 1 hr			
N8	Monitoring at N8 to commence when surface activities approach the eastern end of the southern longwall panels.										

Figure 1 – EPL 12789 Monitoring Locations



NARRABRI MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12789

EPA Website Link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&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: February 2018

Obtained Date: 5 March 2018

Publication Date: 5 March 2018

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 ² /month	Once a month (min. 4 weeks)	1	15-Feb-18	5-Mar-18	N/A	N/A	N/A	2.8
11	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						
16	Conductivity	µs/cm	Quarterly –	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
	TOC	mg/L	Upon discharge	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		
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) <small>L_{eq} 15min Day</small>	Measured Levels – dB(A) <small>L_{eq} 15min Evening</small>	Measured Levels – dB(A) <small>L_{eq} 15min Night</small>	Measured Levels – dB(A) <small>L_{A1} (1 min) Night</small>	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	Not required					<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs				
							Evening – 0.5 hrs				
								Night – 1 hr			
N6	Not required					<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs				
							Evening – 0.5 hrs				
								Night – 1 hr			
N8	Monitoring at N8 to commence when surface activities approach the eastern end of the southern longwall panels.										

Figure 1 – EPL 12789 Monitoring Locations



NARRABRI MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12789

EPA Website Link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&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 2018

Obtained Date: 17 April 2018

Publication Date: 17 April 2018

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 ² /month	Once a month (min. 4 weeks)	1	15-Mar-18	4-Apr-18	N/A	N/A	N/A	2.9
11	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						
16	Conductivity	µs/cm	Quarterly –	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
	TOC	mg/L	Upon discharge	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		
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) <small>L_{eq} 15min Day</small>	Measured Levels – dB(A) <small>L_{eq} 15min Evening</small>	Measured Levels – dB(A) <small>L_{eq} 15min Night</small>	Measured Levels – dB(A) <small>L_{A1} (1 min) Night</small>	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	12-Mar-18	<25	IA	NA	NA	<u>Day, Evening & Night:</u> 35 <u>Night</u> <small>L_{A1} (1 min):</small> 45	Day – 1.5 hrs	No	Yes	NM Sources Only	17-Apr-18
	13-Mar-18	<30	<30	NM	NM		Evening – 0.5 hrs	Yes	Yes	NM Sources Only	17-Apr-18
	14-Mar-18	IA	<20	<20	<20		Night – 1 hr	Yes	Yes	NM Sources Only	17-Apr-18
N6	12-Mar-18	IA	<30	<30	34	<u>Day, Evening & Night:</u> 35 <u>Night</u> <small>L_{A1} (1 min):</small> 45	Day – 1.5 hrs	Yes	Yes	NM Sources Only	17-Apr-18
	13-Mar-18	IA	IA	<30	36		Evening – 0.5 hrs	Yes	Yes	NM Sources Only	17-Apr-18
	14-Mar-18	IA	NM	IA	IA		Night – 1 hr	Yes	Yes	NM Sources Only	17-Apr-18
N8	Monitoring at N8 to commence when surface activities approach the eastern end of the southern longwall panels.										

Figure 1 – EPL 12789 Monitoring Locations



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Site Information

EPL No: 12789

EPA Website Link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&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: April 2018

Obtained Date: 19 April 2018

Publication Date: 19 April 2018

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 ² /month	Once a month (min. 4 weeks)	1	13-Apr-18	19-Apr-18	N/A	N/A	N/A	0.9
11	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						
16	Conductivity	µs/cm	Quarterly –	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
	TOC	mg/L	Upon discharge	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		
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) <i>L_{eq} 15min Day</i>	Measured Levels – dB(A) <i>L_{eq} 15min Evening</i>	Measured Levels – dB(A) <i>L_{eq} 15min Night</i>	Measured Levels – dB(A) <i>L_{A1} (1 min) Night</i>	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	Not required					<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs				
							Evening – 0.5 hrs				
								Night – 1 hr			
N6	Not required					<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs				
							Evening – 0.5 hrs				
								Night – 1 hr			
N8	Monitoring at N8 to commence when surface activities approach the eastern end of the southern longwall panels.										

Figure 1 – EPL 12789 Monitoring Locations



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EPL No: 12789

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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: May 2018

Obtained Date: 29 May 2018

Publication Date: 30 May 2018

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 ² /month	Once a month (min. 4 weeks)	1	14-May-18	29-May-18	N/A	N/A	N/A	3.0
11	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						
16	Conductivity	µs/cm	Quarterly –	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
	TOC	mg/L	Upon discharge	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		
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) <small>L_{eq} 15min Day</small>	Measured Levels – dB(A) <small>L_{eq} 15min Evening</small>	Measured Levels – dB(A) <small>L_{eq} 15min Night</small>	Measured Levels – dB(A) <small>L_{A1} (1 min) Night</small>	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	Not required					<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs				
							Evening – 0.5 hrs				
								Night – 1 hr			
N6	Not required					<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs				
							Evening – 0.5 hrs				
								Night – 1 hr			
N8	Monitoring at N8 to commence when surface activities approach the eastern end of the southern longwall panels.										

Figure 1 – EPL 12789 Monitoring Locations



NARRABRI MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12789

EPA Website Link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&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 2018

Obtained Date: 21 August 2018

Publication Date: 3 September 2018

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 ² /month	Once a month (min. 4 weeks)	1	13-Jun-18	4-Jul-18	N/A	N/A	N/A	4.6
11	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						
16	Conductivity	µs/cm	Quarterly –	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
	TOC	mg/L	Upon discharge	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		
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) <small>L_{eq} 15min Day</small>	Measured Levels – dB(A) <small>L_{eq} 15min Evening</small>	Measured Levels – dB(A) <small>L_{eq} 15min Night</small>	Measured Levels – dB(A) <small>L_{A1} (1 min) Night</small>	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	19-Jun-18	20	<20	NM	NM	<u>Day, Evening & Night:</u> 35 <u>Night</u> <small>L_{A1} (1 min):</small> 45	Day – 1.5 hrs	No	Yes	NM Sources Only	21-Aug-18
	20-Jun-18	NM	IA	IA	IA		Evening – 0.5 hrs	No	Yes	NM Sources Only	21-Aug-18
	21-Jun-18	23	34	IA	IA		Night – 1 hr	Yes	Yes	NM Sources Only	21-Aug-18
N6	19-Jun-18	<25	31	33	43	<u>Day, Evening & Night:</u> 35 <u>Night</u> <small>L_{A1} (1 min):</small> 45	Day – 1.5 hrs	No	Yes	NM Sources Only	21-Aug-18
	20-Jun-18	33	28	30	41		Evening – 0.5 hrs	No	Yes	NM Sources Only	21-Aug-18
	21-Jun-18	27	33	28	41		Night – 1 hr	Yes	Yes	NM Sources Only	21-Aug-18
N8	Monitoring at N8 to commence when surface activities approach the eastern end of the southern longwall panels.										

Figure 1 – EPL 12789 Monitoring Locations





NARRABRI MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12789

EPA Website Link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&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: July 2018

Obtained Date: 27 July 2018

Publication Date: 1 August 2018

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 ² /month	Once a month (min. 4 weeks)	1	13-Jul-18	27-Jul-18	N/A	N/A	N/A	2.7
11	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						
16	Conductivity	µs/cm	Quarterly –	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
	TOC	mg/L	Upon discharge	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		
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) <small>L_{eq} 15min Day</small>	Measured Levels – dB(A) <small>L_{eq} 15min Evening</small>	Measured Levels – dB(A) <small>L_{eq} 15min Night</small>	Measured Levels – dB(A) <small>L_{A1} (1 min) Night</small>	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	Not required					<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs				
							Evening – 0.5 hrs				
								Night – 1 hr			
N6	Not required					<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs				
							Evening – 0.5 hrs				
								Night – 1 hr			
N8	Monitoring at N8 to commence when surface activities approach the eastern end of the southern longwall panels.										

Figure 1 – EPL 12789 Monitoring Locations



NARRABRI MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12789

EPA Website Link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&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: August 2018

Obtained Date: 27 August 2018

Publication Date: 3 September 2018

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 ² /month	Once a month (min. 4 weeks)	1	10-Aug-18	27-Aug-18	N/A	N/A	N/A	3.3
11	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						
16	Conductivity	µs/cm	Quarterly –	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
	TOC	mg/L	Upon discharge	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		
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) <small>L_{eq} 15min Day</small>	Measured Levels – dB(A) <small>L_{eq} 15min Evening</small>	Measured Levels – dB(A) <small>L_{eq} 15min Night</small>	Measured Levels – dB(A) <small>L_{A1} (1 min) Night</small>	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained	
N5	Not required					<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs					
							Evening – 0.5 hrs					
								Night – 1 hr				
N6	Not required					<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs					
								Evening – 0.5 hrs				
								Night – 1 hr				
N8	Monitoring at N8 to commence when surface activities approach the eastern end of the southern longwall panels.											

Figure 1 – EPL 12789 Monitoring Locations





NARRABRI MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12789

EPA Website Link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&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: September 2018

Obtained Date: 17 October 2018

Publication Date: 24 October 2018

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 ² /month	Once a month (min. 4 weeks)	1	10-Sep-18	19-Sep-18	N/A	N/A	N/A	3.2
11	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						
16	Conductivity	µs/cm	Quarterly –	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
	TOC	mg/L	Upon discharge	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		
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) <small>L_{eq} 15min Day</small>	Measured Levels – dB(A) <small>L_{eq} 15min Evening</small>	Measured Levels – dB(A) <small>L_{eq} 15min Night</small>	Measured Levels – dB(A) <small>L_{A1} (1 min) Night</small>	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	18-Sep-18	NM	34	32	42	<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs	No	Yes	NM Sources Only	17-Oct-18
	19-Sep-18	NM	IA	IA	IA		Evening – 0.5 hrs	No	Yes	NM Sources Only	17-Oct-18
	20-Sep-18	27	IA	IA	IA		Night – 1 hr	No	Yes	NM Sources Only	17-Oct-18
N6	18-Sep-18	NM	IA	IA	IA	<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs	No	Yes	NM Sources Only	17-Oct-18
	19-Sep-18	NM	33	35	43		Evening – 0.5 hrs	No	Yes	NM Sources Only	17-Oct-18
	20-Sep-18	30	31	33	39		Night – 1 hr	No	Yes	NM Sources Only	17-Oct-18
N8	Monitoring at N8 to commence when surface activities approach the eastern end of the southern longwall panels.										

Figure 1 – EPL 12789 Monitoring Locations



NARRABRI MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12789

EPA Website Link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&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: October 2018

Obtained Date: 23 October 2018

Publication Date: 25 October 2018

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 ² /month	Once a month (min. 4 weeks)	1	10-Oct-18	23-Oct-18	N/A	N/A	N/A	0.5
11	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						
16	Conductivity	µs/cm	Quarterly –	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
	TOC	mg/L	Upon discharge	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		
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) <small>L_{eq} 15min Day</small>	Measured Levels – dB(A) <small>L_{eq} 15min Evening</small>	Measured Levels – dB(A) <small>L_{eq} 15min Night</small>	Measured Levels – dB(A) <small>L_{A1} (1 min) Night</small>	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained	
N5	Not required					<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs					
							Evening – 0.5 hrs					
								Night – 1 hr				
N6	Not required					<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs					
								Evening – 0.5 hrs				
								Night – 1 hr				
N8	Monitoring at N8 to commence when surface activities approach the eastern end of the southern longwall panels.											

Figure 1 – EPL 12789 Monitoring Locations



NARRABRI MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12789

EPA Website Link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&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: November 2018

Obtained Date: 21 December 2018

Publication Date: 21 December 2018

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 ² /month	Once a month (min. 4 weeks)	1	9-Nov-18	3-Dec-18	N/A	N/A	N/A	3.8
11	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						
16	Conductivity	µs/cm	Quarterly –	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
	TOC	mg/L	Upon discharge	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		
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) <small>L_{eq} 15min Day</small>	Measured Levels – dB(A) <small>L_{eq} 15min Evening</small>	Measured Levels – dB(A) <small>L_{eq} 15min Night</small>	Measured Levels – dB(A) <small>L_{A1} (1 min) Night</small>	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	26-Nov-18	30	29	29	38	<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs	No	Yes	NM Sources Only	21-Dec-18
	27-Nov-18	IA	27	29	33		Evening – 0.5 hrs	No	Yes	NM Sources Only	21-Dec-18
	28-Nov-18	NM	27	28	38		Night – 1 hr	No	Yes	NM Sources Only	21-Dec-18
N6	26-Nov-18	35	NM	35	38	<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs	No	Yes	NM Sources Only	21-Dec-18
	27-Nov-18	NM	IA	NM	NM		Evening – 0.5 hrs	No	Yes	NM Sources Only	21-Dec-18
	28-Nov-18	<25	NM	35	43		Night – 1 hr	No	Yes	NM Sources Only	21-Dec-18
N8	Monitoring at N8 to commence when surface activities approach the eastern end of the southern longwall panels.										

Figure 1 – EPL 12789 Monitoring Locations





NARRABRI MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 12789

EPA Website Link: <http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&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: December 2018

Obtained Date: 7 January 2019

Publication Date: 8 January 2019

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 ² /month	Once a month (min. 4 weeks)	1	10-Dec-18	7-Jan-19	N/A	N/A	N/A	2.2
11	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						
16	Conductivity	µs/cm	Quarterly –	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
	TOC	mg/L	Upon discharge	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		
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) <i>L_{eq} 15min Day</i>	Measured Levels – dB(A) <i>L_{eq} 15min Evening</i>	Measured Levels – dB(A) <i>L_{eq} 15min Night</i>	Measured Levels – dB(A) <i>L_{A1} (1 min) Night</i>	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	Not required					<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs				
							Evening – 0.5 hrs				
								Night – 1 hr			
N6	Not required					<u>Day, Evening & Night:</u> 35 <u>Night</u> <u>L_{A1} (1 min):</u> 45	Day – 1.5 hrs				
							Evening – 0.5 hrs				
								Night – 1 hr			
N8	Monitoring at N8 to commence when surface activities approach the eastern end of the southern longwall panels.										

Figure 1 – EPL 12789 Monitoring Locations

