

#### **Site Information**

**EPL No:** 12789

**EPA Website Link:** <a href="http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&SYSUID=1&LICID=12789">http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&SYSUID=1&LICID=12789</a>

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 2019
Obtained Date: 1 February 2019
Publication Date: 19 September 2019

Table 1 - No Pollutant Limits Apply

		Units of	Monitoring	No. of Samples	Date	Date	Min	Mean	Median	Max or
EPL ID	Pollutant	Measure	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	11-Jan-19	1-Feb-19	N/A	N/A	N/A	2.9
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
15	TOC	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
16	Conductivity	μs/cm		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		0						
	Oil & Grease	mg/L	Quarterly –	0						
	рН	рН	Upon discharge	0						
	TSS	mg/L	alsonarge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon							
10	TOC	mg/L	discharge							
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	1	0						
	Conductivity	μs/cm	Quarterly –	0						
22	TOC	mg/L	Upon	0						
	Oil & Grease	mg/L	discharge	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
	рН	рН		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	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	l la a a	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	11	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uiscriarge	0						6.5-8.5		
	TSS	mg/L	11									
18	Oil & Grease mg/L	Upon SD7 not yet constructed										
	рН	рН	uiscilarge									



EPL	Date	Measured	Measured	Measured	Measured	Limit(s)	Measurement	Weather	Compliant	Comments	Date
ID		Levels – dB(A)	Levels – dB(A)  Leq 15min Evening	Levels – dB(A)	Levels – dB(A)		Periods	Compliant Conditions	(Yes/No)		Obtained
		Leq 15min Day		Leq 15min Night	L <sub>A1</sub> (1 min) Night						
N5	Not required					Day, Evening  & Night:  35  Night  La1 (1 min):  45	Day – 1.5 hrs  Evening – 0.5  hrs  Night – 1 hr				
N6	Not required					Day, Evening  & Night:  35  Night  La1 (1 min):  45	Day – 1.5 hrs  Evening – 0.5 hrs  Night – 1 hr				
N8		Monito	ring at N8 to com	mence when su	rface activities a	pproach the east	ern end of the sou	thern longwal	l panels.		



Figure 1 – EPL 12789 Monitoring Locations





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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: 11 February 2019
Obtained Date: 26 February 2019
Publication Date: 19 September 2019

#### Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of	Monitoring	No. of Samples	Date	Date	Min	Mean	Median	Max or
LILID	ronutant	Measure	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	11-Feb-19	26-Feb-19	N/A	N/A	N/A	2.0
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
15	TOC	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
16	Conductivity	μs/cm		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		0						
	Oil & Grease	mg/L	Quarterly –	0						
	рН	рН	Upon discharge	0						
	TSS	mg/L	a a a a a a a a a a a a a a a a a a a	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon							
10	TOC	mg/L	discharge							
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	1	0						
	Conductivity	μs/cm	Quarterly –	0						
22	TOC	mg/L	Upon	0						
	Oil & Grease	mg/L	discharge	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
	рН	рН		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	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	l la a a	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	11	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uiscriarge	0						6.5-8.5		
	TSS	mg/L	11									
18	Oil & Grease mg/L	Upon SD7 not yet constructed										
	рН	рН	uiscilarge									



EPL	Date	Measured	Measured	Measured	Measured	Limit(s)	Measurement	Weather	Compliant	Comments	Date
ID		Levels – dB(A)	Levels – dB(A)  Leq 15min Evening	Levels – dB(A)	Levels – dB(A)		Periods	Compliant Conditions	(Yes/No)		Obtained
		Leq 15min Day		Leq 15min Night	L <sub>A1</sub> (1 min) Night						
N5	Not required					Day, Evening  & Night:  35  Night  La1 (1 min):  45	Day – 1.5 hrs  Evening – 0.5  hrs  Night – 1 hr				
N6	Not required					Day, Evening  & Night:  35  Night  La1 (1 min):  45	Day – 1.5 hrs  Evening – 0.5 hrs  Night – 1 hr				
N8		Monito	ring at N8 to com	mence when su	rface activities a	pproach the east	ern end of the sou	thern longwal	l panels.		



Figure 1 – EPL 12789 Monitoring Locations





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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: 14 March 2019 Obtained Date: 08 April 2019

**Publication Date:** 19 September 2019

Table 1 - No Pollutant Limits Apply

EDI ID	Dellutent	Units of	Monitoring	No. of Samples	Date	Date	Min	Mean	Median	Max or
EPL ID	Pollutant	Measure	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	14-Mar-19	22-Mar-19	N/A	N/A	N/A	1.9
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
13	TOC	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
16	Conductivity	μs/cm		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		0						
	Oil & Grease	mg/L	Quarterly –	0						
	рН	рН	Upon discharge	0						
	TSS	mg/L	alsonarge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon							
10	TOC	mg/L	discharge							
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	1	0						
	Conductivity	μs/cm	Quarterly –	0						
22	TOC	mg/L	Upon	0						
	Oil & Grease	mg/L	discharge	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
	рН	рН		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	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	l la a a	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	11	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uiscriarge	0						6.5-8.5		
	TSS	mg/L	11									
18	Oil & Grease	mg/L	Upon discharge	SD7 not yet constructed								
	рН	рН	uiscilarge									



EPL ID	Date	Measured Levels – dB(A) Leq 15min Day	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A) Leq 15min Night	Measured Levels – dB(A)  La1 (1 min) Night	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
	26/03/19	N/M	I/A	I/A	I/A	Day, Evening	Day – 1.5 hrs	Yes	Yes		08/04/19
N5	27/03/19	N/M	30	30	36	<u>&amp; Night:</u> 35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes		08/04/19
	28/03/19	N/M	I/A	I/A	I/A	<u>L<sub>A1 (1 min)</sub>:</u> 45	Night – 1 hr	Yes	Yes		08/04/19
	26/03/19	30	31	31	35	Day, Evening  & Night:	Day – 1.5 hrs	No	Yes		08/04/19
N6	27/03/19	N/M	I/A	25	28	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes		08/04/19
	28/03/19	I/A	N/M	27	28	<u>L<sub>A1 (1 min):</sub></u> 45	Night – 1 hr	Yes	Yes		08/04/19
N8		Monito	oring at N8 to com	mence when su	rface activities a	pproach the east	ern end of the sou	thern longwal	l panels.		



Figure 1 – EPL 12789 Monitoring Locations





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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: 12 April 2019 Obtained Date: 26 April 2019

**Publication Date:** 19 September 2019

### Table 1 - No Pollutant Limits Apply

					Pollutant Lim			1		1
EPL ID	Pollutant	Units of	Monitoring	No. of Samples	Date	Date	Min	Mean	Median	Max or
		Measure	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	12-Apr-19	22-Mar-19	N/A	N/A	N/A	2.1
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
13	TOC	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
16	Conductivity	μs/cm		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		0						
	Oil & Grease	mg/L	Quarterly –	0						
	рН	рН	Upon discharge	0						
	TSS	mg/L	alsonarge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon							
10	TOC	mg/L	discharge							
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	1	0						
	Conductivity	μs/cm	Quarterly –	0						
22	TOC	mg/L	Upon	0						
	Oil & Grease	mg/L	discharge	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
	рН	рН		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	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	l la a a	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	11	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uiscriarge	0						6.5-8.5		
	TSS	mg/L	11									
18	Oil & Grease	mg/L	Upon discharge	SD7 not yet constructed								
	рН	рН	uiscilarge									



EPL	Date	Measured	Measured	Measured	Measured	Limit(s)	Measurement	Weather	Compliant	Comments	Date
ID		Levels – dB(A)	Levels – dB(A)	Levels – dB(A)	Levels – dB(A)		Periods	Compliant Conditions	(Yes/No)		Obtained
			Leq 15min Evening		_			Conditions			
		Leq 15min Day		Leq 15min Night	LA1 (1 min) Night						
	Not						Day – 1.5 hrs				
	Required					Day, Evening					
-						<u>&amp; Night:</u>	Evening – 0.5				
N5						35	hrs				
IND						<u>Night</u>	-				
-						L <sub>A1 (1 min)</sub> :	Night – 1 hr				
						45	1416110 1111				
	Not										
	Required					Day, Evening	Day – 1.5 hrs				
•	· ·					<u>&amp; Night:</u>					
N6						35	Evening – 0.5				
140						<u>Night</u>	hrs				
						L <sub>A1</sub> (1 min):					
						45	Night – 1 hr				
N8		Monito	ring at N8 to com	mence when su	rface activities a	nnroach the east	ern end of the sou	l thern longwall	nanels		



Figure 1 – EPL 12789 Monitoring Locations





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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: 13 May 2019 Obtained Date: 27 May 2019

**Publication Date:** 19 September 2019

**Table 1 – No Pollutant Limits Apply** 

				Table 1 140	Pollutant Lin	its Apply				
EPL ID	Pollutant	Units of	Monitoring	No. of Samples	Date	Date	Min	Mean	Median	Max or
	Tollatant	Measure	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	13-May-19	27-May-19	N/A	N/A	N/A	1.3
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
13	TOC	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
13	рН	рН	discharge	0						
-	TSS	mg/L		0						
16	Conductivity	μs/cm		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		0						
	Oil & Grease	mg/L	Quarterly –	0						
	рН	рН	Upon discharge	0						
	TSS	mg/L	alsonarge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon							
10	TOC	mg/L	discharge							
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	1	0						
	Conductivity	μs/cm	Quarterly –	0						
22	TOC	mg/L	Upon	0						
	Oil & Grease	mg/L	discharge	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
	рН	рН		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	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	l la a a	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	11	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uiscriarge	0						6.5-8.5		
	TSS	mg/L	11									
18	Oil & Grease	mg/L	Upon discharge	SD7 not yet constructed								
	рН	рН	uiscilarge									



EPL	Date	Measured	Measured	Measured	Measured	Limit(s)	Measurement	Weather	Compliant	Comments	Date
ID		Levels –	Levels – dB(A)	Levels –	Levels –		Periods	Compliant	(Yes/No)		Obtained
		dB(A)	Leq 15min Evening	dB(A)	dB(A)			Conditions			
		Leq 15min Day		Leq 15min Night	L <sub>A1</sub> (1 min) Night						
	Not						Day – 1.5 hrs				
	required					Day, Evening					
						& Night:	Evening – 0.5				
N5						35	hrs				
IND						<u>Night</u>					
						LA1 (1 min):	Night – 1 hr				
						45					
	Not										
	required					Day, Evening	Day – 1.5 hrs				
						<u>&amp; Night:</u>					
N6						35	Evening – 0.5				
						<u>Night</u>	hrs				
						LA1 (1 min):					
						45	Night – 1 hr				
N8		Monito	ring at N8 to com	mence when su	rface activities a	pproach the east	ern end of the sou	thern longwall	panels.		



Figure 1 – EPL 12789 Monitoring Locations





#### **Site Information**

**EPL No:** 12789

**EPA Website Link:** <a href="http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&SYSUID=1&LICID=12789">http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&SYSUID=1&LICID=12789</a>

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: 14 June 2019 Obtained Date: 10 July 2019

**Publication Date:** 19 September 2019

Table 1 – No Pollutant Limits Apply

EPL ID	Pollutant	Units of	Monitoring	No. of Samples	Date	Date	Min	Mean	Median	Max or
EPLID	Pollutant	Measure	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	14-Jun-19	07-July-19	N/A	N/A	N/A	1.4
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
15	TOC	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
16	Conductivity	μs/cm		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		0						
	Oil & Grease	mg/L	Quarterly –	0						
	рН	рН	Upon discharge	0						
	TSS	mg/L	a a a a a a a a a a a a a a a a a a a	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon							
10	TOC	mg/L	discharge							
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly – Upon	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	1	0						
	Conductivity	μs/cm	Quarterly –	0						
22	TOC	mg/L	Upon	0						
	Oil & Grease	mg/L	discharge	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
	рН	рН		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	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	l la a a	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	11	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uiscriarge	0						6.5-8.5		
	TSS	mg/L	11									
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet const	tructed			
	рН	рН	uiscilarge									



EPL ID	Date	Measured Levels – dB(A) Leq 15min Day	Measured Levels – dB(A) Leq 15min Evening	Measured Levels — dB(A) Leq 15min Night	Measured Levels – dB(A) LA1 (1 min) Night	Limit(s)	Measurement Periods	Weather Compliant Conditions (Day/Evening/ Night)	Compli ant (Yes/N o)	Comments	Date Obtained
	4/06	N/M	I/A	I/A	I/A	Day, Evening	Day – 1.5 hrs	N/Y/N	Yes		10/07/19
N5	5/06	I/A	I/A	I/A	I/A	<u>&amp; Night:</u> 35 <u>Night</u>	Evening – 0.5 hrs	N/Y/Y	Yes		10/07/19
	6/06	N/M	N/M	I/A	I/A	<u>La1 (1 min):</u> 45	Night – 1 hr	N/Y/Y	Yes		10/07/19
	4/06	42 <sup>1</sup>	31	33	38	Day, Evening  & Night:	Day – 1.5 hrs	N/Y/N	N/A²		10/07/19
N6	5/06	33	31	32	34	35 <u>Night</u>	Evening – 0.5 hrs	Y/Y/Y	Yes		10/07/19
	6/06	34	28	30	34	<u>La1 (1 min):</u> 45	Night – 1 hr	Y/Y/Y	Yes		10/07/19
N8		Monito	oring at N8 to com	mence when su	rface activities a	approach the east	ern end of the sou	thern longwall par	<u>nels.</u>		
	4/06	43¹	31	32	35	Day, Evening & Night:	Day – 1.5 hrs	N/Y/N	N/A²		10/07/19
N9	5/06	30	30	30	35	35 <u>Night</u>	Evening – 0.5 hrs	Y/Y/Y	Yes		10/07/19
	6/06	33	N/M	25	28	<u>La1 (1 min):</u> 45	Night – 1 hr	Y/Y/Y	Yes		10/07/19

N/M = Not Measurable

I/A = Inaudible

Note 1: 2dB modifying factor correction for low frequency noise has been applied in accordance with the NPfI.

Note 2: Measured during non-compliant weather conditions. Wind speed >3m/s throughout measurement period.



Figure 1 – EPL 12789 Monitoring Locations





#### **Site Information**

**EPL No:** 12789

**EPA Website Link:** <a href="http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&SYSUID=1&LICID=12789">http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&SYSUID=1&LICID=12789</a>

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: 16 July 2019 Obtained Date: 29 July 2019

**Publication Date:** 19 September 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/m²/month	Once a month (min. 4 weeks)	1	16-Jul-19	29-July-19	N/A	N/A	N/A	1.5
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
13	TOC	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
16	Conductivity	μs/cm		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		0						
	Oil & Grease	mg/L	Quarterly –	0						
	рН	рН	Upon discharge	0						
	TSS	mg/L	alsonarge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon							
10	TOC	mg/L	discharge							
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly – Upon	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	1	0						
	Conductivity	μs/cm	Quarterly –	0						
22	TOC	mg/L	Upon	0						
	Oil & Grease	mg/L	discharge	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
	рН	рН		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	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	l la a a	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	11	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uiscriarge	0						6.5-8.5		
	TSS	mg/L	11									
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet const	tructed			
	рН	рН	uiscilarge									



EPL ID	Date	Measured Levels – dB(A) Leq 15min Day	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A) Leq 15min Night	Measured Levels – dB(A)  La1 (1 min) Night	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	Not Required					Day, Evening  & Night: 35  Night  LA1 (1 min): 45	Day – 1.5 hrs  Evening – 0.5  hrs  Night – 1 hr				
N6	Not Required					Day, Evening  & Night:  35  Night  LA1 (1 min):  45	Day – 1.5 hrs  Evening – 0.5  hrs  Night – 1 hr				
N8		Monito	oring at N8 to com	mence when su	rface activities a	approach the east	ern end of the sou	thern longwal	l panels.		
N8	Not Required					Day, Evening  & Night:  35  Night	Day – 1.5 hrs  Evening – 0.5 hrs				
						<u>L<sub>A1 (1 min):</sub></u> 45	Night – 1 hr				



Figure 1 – EPL 12789 Monitoring Locations





#### **Site Information**

**EPL No:** 12789

**EPA Website Link:** <a href="http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&SYSUID=1&LICID=12789">http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&SYSUID=1&LICID=12789</a>

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: 15 Aug 2019
Obtained Date: 27 August 2019
Publication Date: 19 September 2019

Table 1 - No Pollutant Limits Apply

			1	Table 1 - NO	Pollutant Lim	iits Appiy				
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/m²/month	Once a month (min. 4 weeks)	1	15-Aug-19	27-Aug-19	N/A	N/A	N/A	2.8
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
13	TOC	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	]	0						
16	Conductivity	μs/cm		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		0						
	Oil & Grease	mg/L	Quarterly –	0						
	рН	рН	Upon discharge	0						
	TSS	mg/L	a a a a a a a a a a a a a a a a a a a	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon							
10	TOC	mg/L	discharge							
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	1	0						
	Conductivity	μs/cm	Quarterly –	0						
22	TOC	mg/L	Upon	0						
	Oil & Grease	mg/L	discharge	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
	рН	рН		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	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	l la a a	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	11	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uiscriarge	0						6.5-8.5		
	TSS	mg/L	11									
18	Oil & Grease	mg/L	Upon discharge	SD7 not yet constructed								
	рН	рН	uiscilarge									



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

EPL ID	Date	Measured Levels – dB(A) Leq 15min Day	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A) Leq 15min Night	Measured Levels – dB(A)  La1 (1 min) Night	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5						Day, Evening  & Night: 35  Night  La1 (1 min): 45	Day – 1.5 hrs  Evening – 0.5  hrs  Night – 1 hr				
N6						Day, Evening  & Night:  35  Night  LA1 (1 min):  45	Day – 1.5 hrs  Evening – 0.5  hrs  Night – 1 hr				
N8		Monito	oring at N8 to com	mence when su	rface activities a	approach the east	ern end of the sou	thern longwal	l panels.		
N9						Day, Evening  & Night:  35  Night  LA1 (1 min):  45	Day – 1.5 hrs  Evening – 0.5  hrs  Night – 1 hr				



Figure 1 – EPL 12789 Monitoring Locations





#### **Site Information**

**EPL No:** 12789

**EPA Website Link:** <a href="http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&SYSUID=1&LICID=12789">http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&SYSUID=1&LICID=12789</a>

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: 16 Sep 2019 Obtained Date: 3 Oct 2019 Publication Date: 17 Oct 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/m²/month	Once a month (min. 4 weeks)	1	16/9/2019	3/10/19	NA	NA	NA	1.8
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
15	TOC	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
16	Conductivity	μs/cm		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		0						
	Oil & Grease	mg/L	Quarterly –	0						
	рН	рН	Upon discharge	0						
	TSS	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon							
10	TOC	mg/L	discharge							
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm	Quarterly –	0						
22	TOC	mg/L	Upon	0						
	Oil & Grease	mg/L	discharge	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
	рН	рН		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	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	Hann	0						50		
11	Oil & Grease	mg/L	Upon	0						10		Dam – SD4
	рН	рН	discharge	0						6.5-8.5		
	TSS	mg/L	11	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	l la a a									
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet cons	tructed			
	рН рН		uiscilarge									



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

EPL ID	Date	Measured Levels – dB(A) Leq 15min Day	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A) Leq 15min Night	Measured Levels – dB(A) La1 (1 min) Night	Limit(s)	Measureme nt Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	03/09/19	I/A	34	33	39	Day, Evening & Night:	Day – 1.5 hrs	Y/Y/Y	Y		03/10/19
	04/09/19	29	28	28	34	35 <u>Night</u> <u>L<sub>A1 (1 min):</sub></u>	Evening – 0.5 hrs	Y/Y/Y	Y		03/10/19
	05/06/19	33	26	30	36	45	Night – 1 hr	Y/Y/Y	Y		03/10/19
N6	03/09/19	31	34	35	41	Day, Evening & Night:	Day – 1.5 hrs	Y/Y/N	Y		03/10/19
	04/09/19	<30	30	32	34	35 <u>Night</u>	Evening – 0.5 hrs	Y/Y/Y	Y		03/10/19
	05/06/19	I/A	26	23	24	L <sub>A1 (1 min)</sub> : 45	Night – 1 hr	N/Y/Y	Y		03/10/19
N8	03/09/19	I/A	24	30	31	Day, Evening & Night: 35	Day – 1.5 hrs	Y/Y/Y	Y		03/10/19
	04/09/19	<25	I/A	25	27	<u>Night</u> L <sub>A1 (1 min)</sub> :	Evening – 0.5 hrs	Y/Y/Y	Y		03/10/19
	05/06/19	I/A	28	30	31	45	Night – 1 hr	Y/Y/Y	Y		03/10/19
N9	03/09/19	35	I/A	32	38	Day, Evening & Night:	Day – 1.5 hrs	Y/Y/N	Y		03/10/19
	04/09/19	39 <sup>1</sup>	25	28	32	35 <u>Night</u> L <sub>A1 (1 min)</sub> :	Evening – 0.5 hrs	Y/N/Y	N		03/10/19
	05/06/19	N/M	I/A	29	33	45	Night – 1 hr	Y/Y/Y	Y		03/10/19







### **Site Information**

**EPL No:** 12789

**EPA Website Link:** <a href="http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&SYSUID=1&LICID=12789">http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&SYSUID=1&LICID=12789</a>

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: 15 Oct 2019 Obtained Date: 28 Oct 2019 Publication Date: 31 Oct 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/m²/month	Once a month (min. 4 weeks)	1	15/10/2019	28/10/19	NA	NA	NA	2.2
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
13	TOC	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
16	Conductivity	μs/cm		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		0						
	Oil & Grease	mg/L	Quarterly –	0						
	рН	рН	Upon discharge	0						
	TSS	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon							
10	TOC	mg/L	discharge							
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	1	0						
	Conductivity	μs/cm	Quarterly –	0						
22	TOC	mg/L	Upon	0						
	Oil & Grease	mg/L	discharge	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
	рН	рН		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	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	l la a a	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	11	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	11									
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet cons	tructed			
	рН	рН	uiscilarge									



# Table 3 – Monitoring (Quarterly Attended Noise – Limits Apply

EPL ID	Date	Measured Levels – dB(A) Leq 15min Day	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A) L <sub>eq 15min Night</sub>	Measured Levels – dB(A) La1 (1 min) Night	Limit(s)	Measureme nt Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	Not required					Day, Evening  & Night:  35  Night  LA1 (1 min):  45	Day – 1.5 hrs  Evening –  0.5 hrs  Night – 1 hr				
N6	Not required					Day, Evening  & Night:  35  Night  LA1 (1 min):  45	Day – 1.5 hrs  Evening – 0.5 hrs  Night – 1 hr				
N8	Not required					Day, Evening  & Night:  35  Night  LA1 (1 min):  45	Day – 1.5 hrs  Evening –  0.5 hrs  Night – 1 hr				
N9	Not required					Day, Evening  & Night:  35  Night  LA1 (1 min):  45	Day – 1.5 hrs  Evening –  0.5 hrs  Night – 1 hr				





### **Site Information**

**EPL No:** 12789

**EPA Website Link:** <a href="http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&SYSUID=1&LICID=12789">http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&SYSUID=1&LICID=12789</a>

Licensee: Narrabri Coal Operations Pty Ltd

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

Sampling Period: 20 Nov 2019 Obtained Date: 07 Jan 2020 Publication Date: 09 Jan 2020

### Table 1 – No Pollutant Limits Apply

		Units of	Monitoring	No. of Samples	Date	Date	Min	Mean	Median	Max or
EPL ID	Pollutant	Measure	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	15/11/2019	25/11/19	NA	NA	NA	4.1
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
15	TOC	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	1	0						
1.5	Conductivity	μs/cm		0						
16	TOC	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
	Oil & Grease	mg/L	Quarterly –	0						
	рН	рН	Upon	0						
	TSS	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon							
10	TOC	mg/L	discharge							
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	]	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	]	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
22	Oil & Grease	mg/L	Upon discharge	0						
	рН	pH	uiscilaige	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						

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
	TSS	mg/L	l la a a	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	discharge	0						6.5-8.5		
	TSS	mg/L	11	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uiscriarge	0						6.5-8.5		
	TSS	mg/L	11									
18	Oil & Grease	mg/L	Upon discharge	SD7 not yet constructed								
	рН	рН	uiscilaige									



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

EPL ID	Date	Measured Levels – dB(A) Leq 15min Day	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A) Leq 15min Night	Measured Levels – dB(A)  LA1 (1 min) Night	Limit(s)	Measureme nt Periods	Weather Compliant Conditions (D/E/N)	Compliant (Yes/No)	Comments	Date Obtained
N5	18/11/19	29	I/A	I/A	I/A	Day, Evening & Night:	Day – 1.5 hrs	Y/Y/Y	Y		7/01/2020
	19/11/19	I/A	I/A	N/M	N/M	35 Night	Evening – 0.5 hrs	Y/Y/Y	Y		7/01/2020
	20/11/19	I/A	I/A	I/A	I/A	L <sub>A1 (1 min)</sub> : 45	Night – 1 hr	Y/Y/Y	Υ		7/01/2020
N6	18/11/19	I/A	24	26	29	Day, Evening & Night:	Day – 1.5 hrs	Y/Y/Y	Y		7/01/2020
	19/11/19	25	29	25	28	35 Night	Evening – 0.5 hrs	Y/Y/N	Υ		7/01/2020
	20/11/19	I/A	<30	N/M	N/M	LA1 (1 min): 45	Night – 1 hr	N/N/Y	Y		7/01/2020
N8	18/11/19	I/A	I/A	I/A	I/A	Day, Evening & Night:	Day – 1.5 hrs	Y/Y/Y	Y		7/01/2020
	19/11/19	N/M	I/A	N/M	N/M	35 <u>Night</u>	Evening – 0.5 hrs	Y/Y/N	Y		7/01/2020
	20/11/19	24	I/A	I/A	I/A	LA1 (1 min): 45	Night – 1 hr	Y/N/Y	Υ		7/01/2020
N9	18/11/19	I/A	N/M	30	38	Day, Evening & Night:	Day – 1.5 hrs	Y/Y/Y	Y		7/01/2020
	19/11/19	25	26	N/M	N/M	35 Night	Evening – 0.5 hrs	Y/Y/Y	Y		7/01/2020
	20/11/19	N/M	N/M	N/M	N/M	L <sub>A1 (1 min)</sub> : 45	Night – 1 hr	N/N/Y	Y		7/01/2020

I/A = Inaudible, N/M = Not Measurable





### **Site Information**

**EPL No:** 12789

**EPA Website Link:** <a href="http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&SYSUID=1&LICID=12789">http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=106922&SYSUID=1&LICID=12789</a>

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

Sampling Period: 16 Dec 2019 Obtained Date: 23 Dec 2019 Publication Date: 09 Jan 2020

### 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/m²/month	Once a month (min. 4 weeks)	1	16/12/2019	23/12/2019	NA	NA	NA	3.1
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
15	TOC	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
15	рН	рН	discharge	0						
	TSS	mg/L		0						
16	Conductivity	μs/cm		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		0						
	Oil & Grease	mg/L	Quarterly –	0						
	рН	рН	Upon discharge	0						
	TSS	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon							
10	TOC	mg/L	discharge							
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	1	0						
	Conductivity	μs/cm	Quarterly –	0						
22	TOC	mg/L	Upon	0						
	Oil & Grease	mg/L	discharge	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
	рН	рН		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	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	l la a a	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	11	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	11									
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet cons	tructed			
	рН	рН	uiscilarge									



# Table 3 – Monitoring (Quarterly Attended Noise – Limits Apply

EPL ID	Date	Measured Levels – dB(A) Leq 15min Day	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A) L <sub>eq 15min Night</sub>	Measured Levels – dB(A) La1 (1 min) Night	Limit(s)	Measureme nt Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	Not required					Day, Evening  & Night:  35  Night  LA1 (1 min):  45	Day – 1.5 hrs  Evening –  0.5 hrs  Night – 1 hr				
N6	Not required					Day, Evening  & Night:  35  Night  LA1 (1 min):  45	Day – 1.5 hrs  Evening – 0.5 hrs  Night – 1 hr				
N8	Not required					Day, Evening  & Night:  35  Night  LA1 (1 min):  45	Day – 1.5 hrs  Evening –  0.5 hrs  Night – 1 hr				
N9	Not required					Day, Evening  & Night:  35  Night  LA1 (1 min):  45	Day – 1.5 hrs  Evening –  0.5 hrs  Night – 1 hr				

