

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 2017 Obtained Date: 17 January 2017 Publication Date: 25 January 2017

Table 1 - No Pollutant Limits Apply

		T	T		Pollutant Lim	iits Appiy		1		T
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	10-Jan-17	17-Jan-17	N/A	N/A	N/A	0.7
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
12	Conductivity	μs/cm	Upon	0						
12	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						

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
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
16	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		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			CD7 no	at vot construct	. a d		
18	TOC	mg/L	discharge			3D7 III	ot yet construct	.eu		
	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						
22	TOC	mg/L	Quarterly – Upon	0						
	Oil & Grease	mg/L	discharge	0						
	рН	рН	alsonal Bc	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	11	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	I I a a a	0								
12	Oil & Grease	mg/L	Upon discharge	0								Dam – SD5
	рН	рН	uischarge	0								
	TSS	mg/L	11	0								
13	Oil & Grease	mg/L	Upon discharge	0								Dam – SD2
	рН	рН	uischarge	0								
	TSS mg/L Upon		Llasa									
18	Oil & Grease	mg/L	Upon discharge	SD7 not yet constructed								
	рН	рН	uischarge									



EPL ID	Date	Measured Levels – dB(A)	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A)	Measured Levels – dB(A)	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
		Leq 15min Day		Leq 15min Night	LA1 (1 min) Night						
	Not required					Day, Evening & Night:	Day – 1.5 hrs Evening – 0.5				
N5						35 <u>Night</u>	hrs				
						<u>La1 (1 min):</u> 45	Night – 1 hr				
	Not required					Day, Evening & Night:	Day – 1.5 hrs				
N6						35 <u>Night</u>	Evening – 0.5 hrs				
						<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr				
	Not required					Day, Evening & Night:	Day – 1.5 hrs				
N7						35 <u>Night</u>	Evening – 0.5 hrs				
						<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr				
N8		Monito	oring 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

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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: February 2017
Obtained Date: 20 February 2017
Publication Date: 21 February 2017

Table 1 – No Pollutant Limits Apply

		1	1		Poliutant Lin	псэ дрргу			1	
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	10-Feb-17	20-Feb-17	N/A	N/A	N/A	0.6
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
12	Conductivity	μs/cm	Upon	0						
12	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						

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
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
16	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		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			CD7 no	at vot construct	. a d		
18	TOC	mg/L	discharge			3D7 III	ot yet construct	.eu		
	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						
22	TOC	mg/L	Quarterly – Upon	0						
	Oil & Grease	mg/L	discharge	0						
	рН	рН	alsonal Bc	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	11	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	I I a a a	0								
12	Oil & Grease	mg/L	Upon discharge	0								Dam – SD5
	рН	рН	uischarge	0								
	TSS	mg/L	11	0								
13	Oil & Grease	mg/L	Upon discharge	0								Dam – SD2
	рН	рН	uischarge	0								
	TSS mg/L Upon		Unan									
18	Oil & Grease	mg/L	Upon discharge	SD7 not yet constructed								
	рН	рН	uischarge									



EPL ID	Date	Measured Levels – dB(A)	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A)	Measured Levels – dB(A)	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
		Leq 15min Day		Leq 15min Night	LA1 (1 min) Night						
	Not required					Day, Evening & Night:	Day – 1.5 hrs Evening – 0.5				
N5						35 <u>Night</u>	hrs				
						<u>La1 (1 min):</u> 45	Night – 1 hr				
	Not required					Day, Evening & Night:	Day – 1.5 hrs				
N6						35 <u>Night</u>	Evening – 0.5 hrs				
						<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr				
	Not required					Day, Evening & Night:	Day – 1.5 hrs				
N7						35 <u>Night</u>	Evening – 0.5 hrs				
						<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr				
N8		Monito	oring 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





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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: March 2017 Obtained Date: 3 May 2017 Publication Date: 4 May 2017

Table 1 – No Pollutant Limits Apply

		T	T		Poliutalit Lili			1		I
EPL ID	Pollutant	Units of	Monitoring	No. of Samples	Date	Date	Min	Mean	Median	Max or
	Tollacaric	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-17	22-Mar-17	N/A	N/A	N/A	0.9
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		1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	107
	TOC	mg/L	Quarterly –	1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	15
15	Oil & Grease	mg/L	Upon	1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	<5
	рН	рН	discharge	1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	6.89
	TSS	mg/L		1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	189
16	Conductivity	μs/cm	Quarterly –	1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	78
10	TOC	mg/L	Upon	1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	17



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	discharge	1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	<5
	рН	рН		1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	6.57
	TSS	mg/L		1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	37
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
10	Conductivity	μs/cm	Upon		1				•	•
18	TOC	mg/L	discharge			SD/ no	ot yet construct	ed		
	Conductivity	μs/cm		1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	294
	TOC	mg/L	Quarterly –	1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	15
19	Oil & Grease	mg/L	Upon	1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	<5
	рН	рН	discharge	1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	6.98
	TSS	mg/L		1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	2180
	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		1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	77
	TOC	mg/L	Quarterly –	1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	14
21	Oil & Grease	mg/L	Upon	1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	<5
	рН	рН	discharge	1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	6.79
	TSS	mg/L		1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	626
	Conductivity	μs/cm		1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	55
	TOC	mg/L	Quarterly –	1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	17
22	Oil & Grease	mg/L	Upon	1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	<5
	рН	рН	discharge	1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	6.73
	TSS	mg/L		1	14-Mar-17	21-Mar-17	N/A	N/A	N/A	1210



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	Llasa	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								
13	Oil & Grease	mg/L	Upon discharge	0								Dam – SD2
	рН	рН	uischarge	0								
	TSS	mg/L	I I a a a									
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet cons	tructed			
	рН	рН	uischarge									



EPL ID	Date	Measured Levels – dB(A)	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A)	Measured Levels – dB(A)	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
	27-Mar-17	Leq 15min Day	25	Leq 15min Night	L _{A1 (1 min) Night}	Day, Evening & Night:	Day – 1.5 hrs	Yes	Yes	NM Sources Only	3-May-17
N5	28-Mar-17	20	<20	24	33	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	NM Sources Only	3-May-17
	29-Mar-17	28	NA	NA	NA	<u>LA1 (1 min):</u> 45	Night – 1 hr	No	Yes	NM Sources Only	3-May-17
	27-Mar-17	<20	IA	20	24	Day, Evening <u>& Night:</u>	Day – 1.5 hrs	Yes	Yes	NM Sources Only	3-May-17
N6	28-Mar-17	26	23	26	32	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	NM Sources Only	3-May-17
	29-Mar-17	<30	IA	NA	NA	<u>LA1 (1 min):</u> 45	Night – 1 hr	No	Yes	NM Sources Only	3-May-17
N8		<u>Monito</u>	ring at N8 to com	<u>mence when su</u>	rface activities a	pproach the east	ern end of the sou	thern longwall	panels.		

Note: 'NA' – denotes criteria were not applicable due to meteorological conditions for all measurements at this location during this period. 'IA' – Inaudible.



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: April 2017 Obtained Date: 1 May 2017 Publication Date: 4 May 2017

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	12-Apr-17	1-May-17	N/A	N/A	N/A	0.5
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	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	0						
	Oil & Grease	mg/L	discharge	0						
	рН	рН		0						
	TSS	mg/L	=	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			SD7 no	ot yet construct	tad		
10	TOC	mg/L	discharge			307110		<u> </u>		
	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	Llaca	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Llaca	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Unan									
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet const	tructed			
	pH	рН	discilarge									



EPL ID	Date	Measured Levels –	Measured Levels – dB(A)	Measured Levels –	Measured Levels –	Limit(s)	Measurement Periods	Weather Compliant	Compliant (Yes/No)	Comments	Date Obtained
		dB(A)	Leq 15min Evening	dB(A)	dB(A)			Conditions			
		Leq 15min Day		Leq 15min Night	LA1 (1 min) Night						
	Not						Day – 1.5 hrs				
	required					Day, Evening					
						<u>& Night:</u>	Evening – 0.5				
N5						35	hrs				
						<u>Night</u>					
						<u>La1 (1 min):</u>	Night – 1 hr				
						45					
	Not					Day, Evening	Day – 1.5 hrs				
	required					& Night:	,				
						35	Evening – 0.5				
N6						<u>Night</u>	hrs				
						L _{A1 (1 min)} :					
						45	Night – 1 hr				
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: May 2017 Obtained Date: 22 May 2017 Publication Date: 25 May 2017

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	12-May-17	22-May-17	N/A	N/A	N/A	1.2
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						
	тос	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	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	0						
<u> </u>	Oil & Grease	mg/L	discharge	0						
	рН	рН]	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
Ī	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
Ī	рН	pН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon			SD7 n/	ot yet construc	tad		
10	TOC	mg/L	discharge			307 110	ot yet construc	teu		
	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						
Ī	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
Ī	рН	pН	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						
ļ	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	Llnon	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Llman	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Unan									
18	Oil & Grease	mg/L	Upon				SD7 no	t yet const	tructed			
	pH	рН	discharge									



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 _{A1} (1 min) Night						
	Not						Day – 1.5 hrs				
	required					Day, Evening					
	- 1					<u>& Night:</u>	Evening – 0.5				
N5						35	hrs				
143						<u>Night</u>					
						L _{A1} (1 min):	Night – 1 hr				
						45					
	Not					Day, Evening	Day – 1.5 hrs				
	required					& Night:	,				
						35	Evening – 0.5				
N6						<u>Night</u>	hrs				
						L _{A1 (1 min)} :					
						45	Night – 1 hr				
N8		Monito	oring 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: 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 2017 Obtained Date: 2 August 2017 Publication Date: 8 August 2017

Table 1 – No Pollutant Limits Apply

		I I i k. a. e. f	B. 0 it i		Poliutant Lini		B 41		0.01:	0.0
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	13-Jun-17	20-Jun-17	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		1	29-Jun-17	7-Jul-17	NA	NA	NA	180
	TOC	mg/L	Quarterly –	1	29-Jun-17	7-Jul-17	NA	NA	NA	20
15	Oil & Grease	mg/L	Upon	1	29-Jun-17	7-Jul-17	NA	NA	NA	<5
	рН	рН	discharge	1	29-Jun-17	7-Jul-17	NA	NA	NA	7.78
	TSS	mg/L		1	29-Jun-17	7-Jul-17	NA	NA	NA	103
16	Conductivity	μs/cm	Quarterly –	1	29-Jun-17	7-Jul-17	NA	NA	NA	70
16	TOC	mg/L	Upon	1	29-Jun-17	7-Jul-17	NA	NA	NA	28



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	discharge	1	29-Jun-17	7-Jul-17	NA	NA	NA	<5
	рН	рН	1	1	29-Jun-17	7-Jul-17	NA	NA	NA	7.14
	TSS	mg/L		1	29-Jun-17	7-Jul-17	NA	NA	NA	40
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L]	0						
10	Conductivity	μs/cm	Upon			CD7 ::-		1	•	•
18	TOC	mg/L	discharge			SD/ no	t yet construct	ea		
	Conductivity	μs/cm		1	29-Jun-17	7-Jul-17	NA	NA	NA	82
	TOC	mg/L	Quarterly –	1	29-Jun-17	7-Jul-17	NA	NA	NA	14
19	Oil & Grease	mg/L	Upon	1	29-Jun-17	7-Jul-17	NA	NA	NA	<5
	рН	рН	discharge	1	29-Jun-17	7-Jul-17	NA	NA	NA	7.23
	TSS	mg/L		1	29-Jun-17	7-Jul-17	NA	NA	NA	222
	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		1	29-Jun-17	7-Jul-17	NA	NA	NA	58
	TOC	mg/L	Quarterly –	1	29-Jun-17	7-Jul-17	NA	NA	NA	10
21	Oil & Grease	mg/L	Upon	1	29-Jun-17	7-Jul-17	NA	NA	NA	<5
	рН	рН	discharge	1	29-Jun-17	7-Jul-17	NA	NA	NA	7.12
	TSS	mg/L		1	29-Jun-17	7-Jul-17	NA	NA	NA	144
	Conductivity	μs/cm		2	12, 29-Jun- 17	7-Jul-17	697	797	797	897
22	тос	mg/L	Quarterly – Upon	2	12, 29-Jun- 17	7-Jul-17	20	24	24	28
	Oil & Grease	mg/L	- discharge	2	12, 29-Jun- 17	7-Jul-17	<5	<5	<5	<5



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		2	12, 29-Jun- 17	7-Jul-17	9.42	9.48	9.48	9.54
	TSS	mg/L		2	12, 29-Jun- 17	7-Jul-17	152	189	189	225

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	Llaca	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	discharge	0						6.5-8.5		
	TSS	mg/L	Unan	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Llaca									
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet const	tructed			
	рН	рН	uiscilaige									



EPL ID	Date	Measured Levels – dB(A) Leq 15min Day	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A) Leg 15min Night	Measured Levels – dB(A) LA1 (1 min) Night	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
	26-Jun-17	IA	IA	<20	20	Day, Evening & Night:	Day – 1.5 hrs	Yes	Yes	NM sources only	2-Aug-17
N5	27-Jun-17	33	<25	37	46	35 <u>Night</u>	Evening – 0.5 hrs	Yes	No	NM sources only	2-Aug-17
	28, 29-Jun- 17	28	<25	IA	IA	<u>La1 (1 min):</u> 45	Night – 1 hr	Yes	Yes	NM sources only	2-Aug-17
	26-Jun-17	<25	31	32	44	Day, Evening <u>& Night:</u>	Day – 1.5 hrs	Yes	Yes	NM sources only	2-Aug-17
N6	27-Jun-17	31	IA	NM	33	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	NM sources only	2-Aug-17
	28, 29-Jun- 17	34	33	38	42	<u>L_{A1 (1 min):}</u> 45	Night – 1 hr	Yes	No	NM sources only	2-Aug-17
N8		<u>Monito</u>	oring at N8 to com	<u>mence when su</u>	rface activities a	pproach the east	ern end of the sou	thern longwall	panels.		

Note: 'NM' – Not Measurable. 'IA' – Inaudible.



Figure 1 – EPL 12789 Monitoring Locations





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 2017 Obtained Date: 26 July 2017 Publication Date: 28 July 2017

Table 1 - No Pollutant Limits Apply

50L ID	Dellesterat	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-Jul-17	26-Jul-17	N/A	N/A	N/A	2.3
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						
	рН	рН	discharge	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	0						
<u> </u>	Oil & Grease	mg/L	discharge	0						
	рН	рН]	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
Ī	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
Ī	рН	pН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon			SD7 n/	ot yet construc	tad		
10	TOC	mg/L	discharge			307 110	ot yet construc	teu		
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon	0						
	Oil & Grease mg/L pH pH	discharge	0							
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
Ī	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
Ī	рН	pН	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						
ļ	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	Llaca	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Llaca	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Unan									
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet const	tructed			
	рН	рН	discilarge									



EPL ID	Date	Measured Levels –	Measured Levels – dB(A)	Measured Levels –	Measured Levels –	Limit(s)	Measurement Periods	Weather Compliant	Compliant (Yes/No)	Comments	Date Obtained
		dB(A)	Leq 15min Evening	dB(A)	dB(A)			Conditions			
		Leq 15min Day		Leq 15min Night	LA1 (1 min) Night						
	Not						Day – 1.5 hrs				
	required					Day, Evening					
						<u>& Night:</u>	Evening – 0.5				
N5						35	hrs				
						<u>Night</u>					
						<u>La1 (1 min):</u>	Night – 1 hr				
						45					
	Not					Day, Evening	Day – 1.5 hrs				
	required					& Night:	,				
						35	Evening – 0.5				
N6						<u>Night</u>	hrs				
						L _{A1 (1 min)} :					
						45	Night – 1 hr				
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.	1	



Figure 1 – EPL 12789 Monitoring Locations





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 2017 Obtained Date: 28 August 2017 Publication Date: 29 August 2017

Table 1 - No Pollutant Limits Apply

501.10	5 11	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-Aug-17	28-Aug-17	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						
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	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	0						
	Oil & Grease	mg/L	discharge	0						
	рН	рН		0						
	TSS	mg/L		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			SD7 no	ot yet construc	tad		
10	TOC	mg/L	discharge			307 110	ot yet construc	teu		
	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	Llaca	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Llaca	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Unan									
18	Oil & Grease	mg/L	Upon discharge	SD7 not yet constructed								
	рН	рН	discilarge									



EPL ID	Date	Measured Levels –	Measured Levels – dB(A)	Measured Levels –	Measured Levels –	Limit(s)	Measurement Periods	Weather Compliant	Compliant (Yes/No)	Comments	Date Obtained
		dB(A)	Leq 15min Evening	dB(A)	dB(A)			Conditions			
		Leq 15min Day		Leq 15min Night	LA1 (1 min) Night						
	Not						Day – 1.5 hrs				
	required					Day, Evening					
						<u>& Night:</u>	Evening – 0.5				
N5						35	hrs				
						<u>Night</u>					
						<u>La1 (1 min):</u>	Night – 1 hr				
						45					
	Not					Day, Evening	Day – 1.5 hrs				
	required					& Night:	,				
						35	Evening – 0.5				
N6						<u>Night</u>	hrs				
						L _{A1 (1 min)} :					
						45	Night – 1 hr				
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





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 2017 Obtained Date: 14 December 2017 Publication Date: 14 December 2017

Table 1 - No Pollutant Limits Apply

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	15-Sep-17	27-Sep-17	N/A	N/A	N/A	1.2
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	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	0						
	Oil & Grease	mg/L	discharge	0						
	рН	рН	-	0						
	TSS	mg/L	=	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			SD7 n/	ot yet construc	tad		
10	TOC	mg/L	discharge			307 110				
	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						

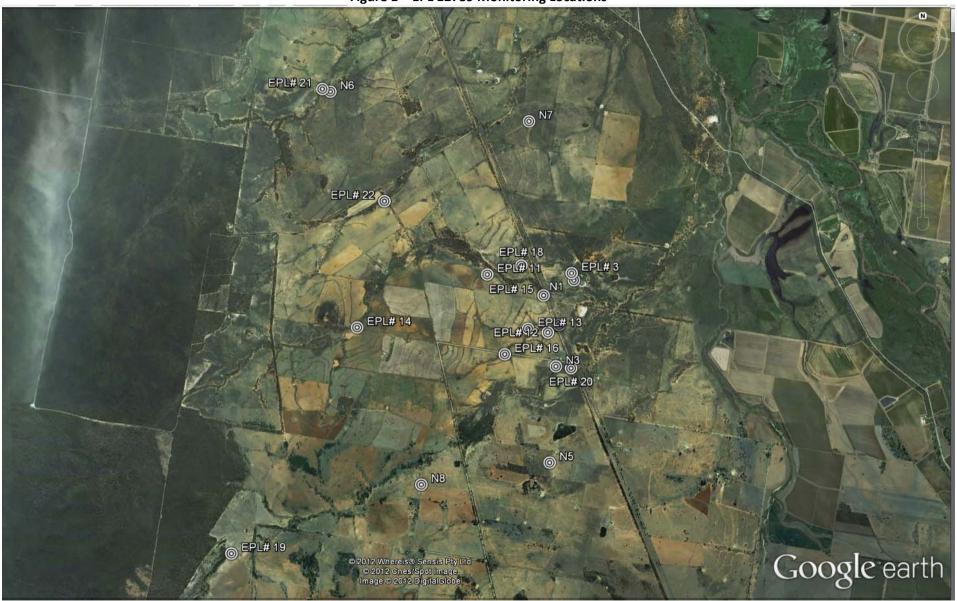
EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	Hann	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	discharge	0						6.5-8.5		
	TSS	mg/L	11	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	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	uiscilaige									



EPL ID	Date	Measured Levels – dB(A)	Measured Levels – dB(A) L _{eq 15min Evening}	Measured Levels – dB(A)	Measured Levels – dB(A)	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
	5-Sep-17	L _{eq 15min Day}	<25	Leq 15min Night	L _{A1 (1 min) Night}	Day, Evening & Night:	Day – 1.5 hrs	No	Yes	NM Sources Only	14-Dec-17
N5	6-Sep-17	NA	NA	NA	NA	35 Night	Evening – 0.5 hrs	No	Yes	NM Sources Only	14-Dec-17
	7-Sep-17	NA	<30	24	27	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No	Yes	NM Sources Only	14-Dec-17
	5-Sep-17	NA	35	NA	NA	Day, Evening <u>& Night:</u>	Day – 1.5 hrs	No	Yes	NM Sources Only	14-Dec-17
N6	6-Sep-17	NA	NA	NA	NA	35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	NM Sources Only	14-Dec-17
	7-Sep-17	30	33	36	45	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	No	NM Sources Only	14-Dec-17
N8		<u>Monito</u>	oring at N8 to com	mence when su	rface activities a	approach the east	ern end of the sou	thern 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 2017 Obtained Date: 26 October 2017 Publication Date: 1 November 2017

Table 1 - No Pollutant Limits Apply

		1	1		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	13-Oct-17	26-Oct-17	N/A	N/A	N/A	2
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	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	0						
	Oil & Grease	mg/L	discharge	0						
	рН	рН]	0						
	TSS	mg/L]	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			SD7 no	ot yet construc	tad		
10	TOC	mg/L	discharge			307 110		<u> </u>		
	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						

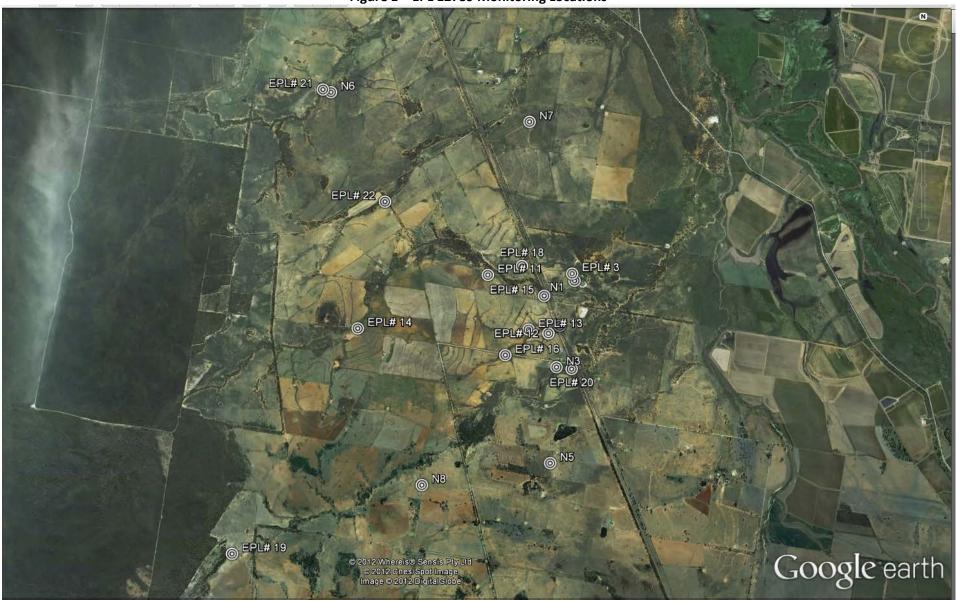
EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	Llnon	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Llaca	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Unan									
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet const	tructed			
	рН	рН	discharge									



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 _{A1} (1 min) Night						
	Not						Day – 1.5 hrs				
	required					Day, Evening					
	-					<u>& Night:</u>	Evening – 0.5				
N5						35	hrs				
						<u>Night</u>					
						L _{A1 (1 min)} :	Night – 1 hr				
						45					
	Not					Day, Evening	Day – 1.5 hrs				
	required					& Night:					
						35	Evening – 0.5				
N6						<u>Night</u>	hrs				
						L _{A1 (1 min)} :					
						45	Night – 1 hr				
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





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 2017 Obtained Date: 27 November 2017 Publication Date: 14 December 2017

Table 1 - No Pollutant Limits Apply

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	13-Nov-17	27-Nov-17	N/A	N/A	N/A	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		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	0						
	Oil & Grease	mg/L	discharge	0						
	рН	рН	-	0						
	TSS	mg/L	=	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			SD7 n/	ot yet construc	tad		
10	TOC	mg/L	discharge			307 110				
	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						

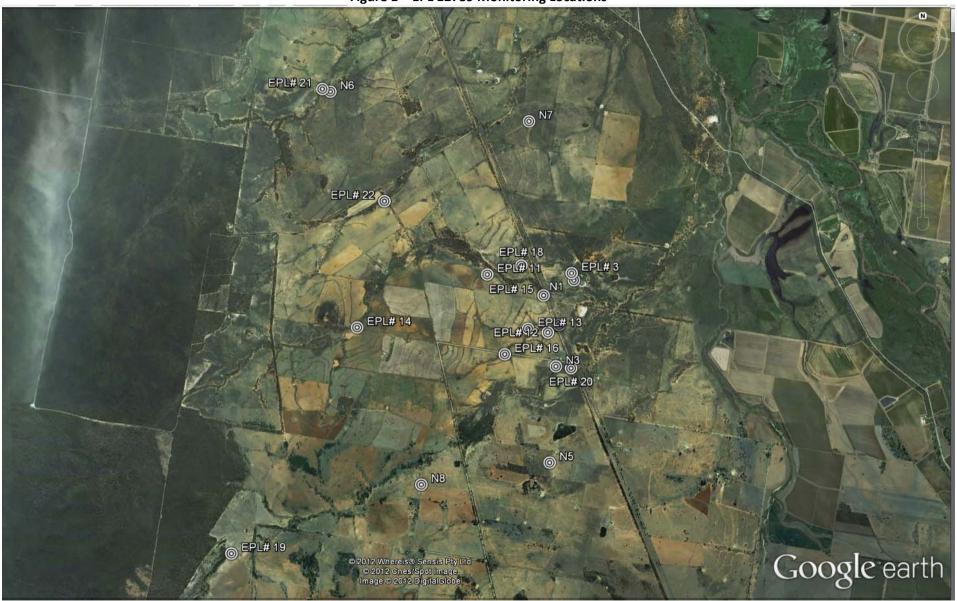
EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	Hann	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	discharge	0						6.5-8.5		
	TSS	mg/L	11	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	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	uiscilaige									



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	L _{A1} (1 min) Night						
	Not					Day Evanina	Day – 1.5 hrs				
	required					Day, Evening					
						<u>& Night:</u>	Evening – 0.5				
N5						35	hrs				
						<u>Night</u>					
						<u>L_{A1 (1 min)}:</u>	Night – 1 hr				
						45					
	Not					Day, Evening	Day – 1.5 hrs				
	required					& Night:	,				
						35	Evening – 0.5				
N6						<u>Night</u>	hrs				
						<u>L_{A1 (1 min)}:</u>					
						45	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	panels.	1	



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 2017 Obtained Date: 2 February 2018 Publication Date: 7 February 2018

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of	Monitoring	No. of Samples	Date	Date	Min	Mean	Median	Max or
	- Onutant	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-Dec-17	21-Dec-17	N/A	N/A	N/A	7.3
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						
	рН	рН	discharge	0						
	TSS	mg/L	1	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	0						
	Oil & Grease	mg/L	discharge	0						
	рН	рН	-	0						
	TSS	mg/L	=	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			SD7 n/	ot yet construc	tad		
10	TOC	mg/L	discharge			307 110				
	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 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	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	uiscilaige									



EPL ID	Date	Measured Levels – dB(A)	Measured Levels – dB(A) L _{eq 15min Evening}	Measured Levels – dB(A)	Measured Levels – dB(A)	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
	18-Dec-17	L _{eq 15min Day}	NA	Leq 15min Night	L _{A1 (1 min) Night}	Day, Evening & Night:	Day – 1.5 hrs	No	Yes	NM Sources Only	2-Feb-18
N5	19-Dec-17	NA	<25	<30	30	35 Night	Evening – 0.5 hrs	No	Yes	NM Sources Only	2-Feb-18
	20-Dec-17	NA	NA	NA	NA	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No	Yes	NM Sources Only	2-Feb-18
	18-Dec-17	NA	IA	NA	NA	Day, Evening <u>& Night:</u>	Day – 1.5 hrs	No	Yes	NM Sources Only	2-Feb-18
N6	19-Dec-17	NA	NA	NA	NA	35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	NM Sources Only	2-Feb-18
	20-Dec-17	NA	NA	NA	NA	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No	Yes	NM Sources Only	2-Feb-18
N8		<u>Monito</u>	oring 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

