

Site Information

EPL No: 12789

EPA Website Link: http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31486&SYSUID=1&LICID=12789

Licensee: Narrabri Coal Operations Pty Ltd

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

EPL Monitoring Points: See Figure 1 below

Sampling Period: April 2012

Publication Date: 21st June 2012. Updated 9th July 2012 to exclude real time continuous monitoring data, as per EPA advice. Real time monitoring is

used for ambient monitoring purposes rather than compliance monitoring.

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	18 April 2012	27 April 2012	N/A	N/A	N/A	2.0
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
12	Conductivity	μs/cm	Upon	0						
12	TOC	mg/L	discharge	0						
12	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	pН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
	рН	pН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm	Quarterly –	0						
16	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	pН		0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	pН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon			CD7 not v	(at constructs	d		
18	TOC	mg/L	discharge			אר אסון אסנ	yet constructe	u		
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	pН	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	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						



Table 2 - Pollutant Limits Apply (Water)

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

EPL ID	Date	Measured Levels –	Measured Levels – dB(A)	Measured Levels –	Measured Levels –	Limit(s)	Measurement Periods	Weather	Compliant (Yes/No)	Comments
		dB(A)	L _{eq 15min Evening}	dB(A)	dB(A)					
		L _{eq 15min Day}		L _{eq 15min Night}	L _{A1 (1 min) Night}					
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
N1						35	Evening – 0.5			
INT						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
N3	Required					& Night:				
143						35	Evening – 0.5			
						<u>Night</u>	hrs			



EPL	Date	Measured	Measured	Measured	Measured	Limit(s)	Measurement	Weather	Compliant	Comments
ID		Levels –	Levels – dB(A)	Levels –	Levels –		Periods		(Yes/No)	
		dB(A)	L _{eq 15min Evening}	dB(A)	dB(A)					
		Leq 15min Day		L _{eq 15min Night}	L _{A1 (1 min) Night}					
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
N5						35	Evening – 0.5			
INO						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
NC						35	Evening – 0.5			
N6						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
						35	Evening – 0.5			
N7						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
N8		Monito	oring at N8 to com	mence when su	ırface activities a	pproach the east	ern end of the sou	thern longwa	II panels.	



Figure 1 – EPL 12789 Monitoring Locations





Site Information

EPL No: 12789

EPA Website Link: http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31486&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: May 2012

Publication Date: 21st June 2012. Updated 9th July 2012 to exclude real time continuous monitoring data, as per EPA advice. Real time monitoring is

used for ambient monitoring purposes rather than compliance monitoring.

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	Total Insoluble Matter	g/m²/month	Once a month (min. 4 weeks)	1	17 May 2012	24 May 2012	N/A	N/A	N/A	1.5
11	Conductivity	μs/cm	l la ca diodecas	0						
11	TOC	mg/L	Upon discharge	0						
12	Conductivity	μs/cm	Unan disabarga	0						
12	TOC	mg/L	Upon discharge	0						
13	Conductivity	μs/cm	Unon discharge	0						
15	TOC	mg/L	Upon discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Overstanti Linea	0						
14	Oil & Grease	mg/L	Quarterly – Upon discharge	0						
	рН	рН	uischarge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Ouartarly Unan	0						
15	Oil & Grease	mg/L	Quarterly – Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
16	Conductivity	μs/cm	Quarterly – Upon	0				_		
10	TOC	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
	Oil & Grease	mg/L		0						
	рН	рН		0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Oversteen by Hear	0						
17	Oil & Grease	mg/L	Quarterly – Upon discharge	0						
	рН	рН	uischarge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Unan disaharga			CD7 not	est construe	at a d		
10	TOC	mg/L	Upon discharge			אר אסון אסנ	et construc	iteu		
	Conductivity	μs/cm		0						
	TOC	mg/L	Oversteen version and	0						
19	Oil & Grease	mg/L	Quarterly – Upon discharge	0						
	рН	рН		0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Ouartarly Ilaan	0						
20	Oil & Grease	mg/L	Quarterly – Upon discharge	0						
	рН	рН	uischarge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Ouartarly Ilaan	0						
21	Oil & Grease	mg/L	Quarterly – Upon discharge	0						
	рН	рН	uischarge	0						
	TSS	mg/L	Quarterly – Upon discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L		0						
22	Oil & Grease	mg/L		0						
	рН	рН		0						
	TSS	mg/L		0						



Table 2 - Pollutant Limits Apply (Water)

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

EPL ID	Date	Measured Levels –	Measured Levels – dB(A)	Measured Levels –	Measured Levels –	Limit(s)	Measurement Periods	Weather	Compliant (Yes/No)	Comments
		dB(A)	L _{eq 15min Evening}	dB(A)	dB(A)					
		L _{eq 15min Day}		L _{eq 15min Night}	L _{A1 (1 min) Night}					
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
N1						35	Evening – 0.5			
INT						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
N3	Required					& Night:				
143						35	Evening – 0.5			
						<u>Night</u>	hrs			



EPL ID	Date	Measured Levels –	Measured Levels – dB(A)	Measured Levels –	Measured Levels –	Limit(s)	Measurement Periods	Weather	Compliant (Yes/No)	Comments
		dB(A)	Leq 15min Evening	dB(A)	dB(A)					
		L _{eq 15min Day}		L _{eq 15min Night}	L _{A1 (1 min) Night}					
						<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					<u>& Night:</u>				
N5						35	Evening – 0.5			
IND						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					<u>& Night:</u>				
N6						35	Evening – 0.5			
						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:	Day 1.5 1115			
	qucu					35	Evening – 0.5			
N7						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>	Ni-ba a l			
						45	Night – 1 hr	<u> </u>		
N8		<u>Monito</u>	oring at N8 to com	<u>mence when su</u>	rtace activities a	approach the east	ern end of the sou	thern longwa	<u>ıll panels.</u>	



Figure 1 – EPL 12789 Monitoring Locations





Site Information

EPL No: 12789

EPA Website Link: http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31486&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 2012 Publication Date: 9th July 2012

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	18 June 2012	29 June 2012	N/A	N/A	N/A	2.0
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
12	Conductivity	μs/cm	Upon	0						
12	TOC	mg/L	discharge	0						
12	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	4-Jun-12	14-Jun-12	N/A	N/A	N/A	1270
	TOC	mg/L	Quarterly –	1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	10
15	Oil & Grease	mg/L	Upon	1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	<5
	рН	рН	discharge	1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	7.90
	TSS	mg/L		1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	8
16	Conductivity	μs/cm	Quarterly –	1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	82



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	1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	23
	Oil & Grease	mg/L	discharge	1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	<5
	рН	рН		1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	7.27
	TSS	mg/L		1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	20
	Conductivity	μs/cm		1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	136
	TOC	mg/L	Quarterly –	1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	17
17	Oil & Grease	mg/L	Upon	1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	<5
	рН	рН	discharge	1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	6.72
	TSS	mg/L		1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	108
18	Conductivity	μs/cm	Upon			SD7 not v	ot constructor	4		
10	TOC	mg/L	discharge			3D7 HOL y	et constructed	J		
	Conductivity	μs/cm		1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	218
	TOC	mg/L	Quarterly –	1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	13
19	Oil & Grease	mg/L	Upon	1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	<5
	рН	рН	discharge	1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	7.82
	TSS	mg/L		1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	52
	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	4-Jun-12	14-Jun-12	N/A	N/A	N/A	95
	TOC	mg/L	Quarterly –	1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	13
21	Oil & Grease	mg/L	Upon	1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	<5
	рН	рН	discharge	1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	7.18
	TSS	mg/L		1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	48
	Conductivity	μs/cm		1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	97
	TOC	mg/L	Quarterly –	1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	16
22	Oil & Grease	mg/L	Upon	1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	<5
	рН	рН	discharge	1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	7.51
	TSS	mg/L		1	4-Jun-12	14-Jun-12	N/A	N/A	N/A	96



Table 2 - Pollutant Limits Apply (Water)

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

EPL ID	Date	Measured Levels – dB(A) L _{eq 15min Day}	Measured Levels – dB(A) L _{eq 15min Evening}	Measured Levels – dB(A) L _{eq 15min Night}	Measured Levels – dB(A) L _{A1 (1 min) Night}	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments
	20-Jun-12	31	35	33	37.6	Day, Evening & Night:	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N1	21-Jun-12	Inaudible	31	31	37.5	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	22-Jun-12	32	29	35	43.2	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources
	20-Jun-12	30	33	40	43.8	Day, Evening & Night:	Day – 1.5 hrs	No – inversion	Yes	Results are NM sources
N3	21-Jun-12	Inaudible	33	<30	32.6	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	22-Jun-12	Inaudible	31	30	36.5	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources



EPL ID	Date	Measured Levels – dB(A) L _{eq 15min Day}	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A) L _{eq 15min Night}	Measured Levels – dB(A) L _{A1 (1 min) Night}	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments
	20-Jun-12	Inaudible	Inaudible	32	38.2	Day, Evening & Night:	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N5	21-Jun-12	Inaudible	28	31	36.2	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	22-Jun-12	Inaudible	27	27	30.0	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources
	20-Jun-12	<20	26	32	42.1	Day, Evening & Night:	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N6	21-Jun-12	Inaudible	Inaudible	Inaudible	n/a	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	22-Jun-12	Inaudible	33	29	37.4	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources
	20-Jun-12	Inaudible	21	<25	29.8	Day, Evening & Night:	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N7	21-Jun-12	Inaudible	Inaudible	Inaudible	n/a	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	22-Jun-12	Inaudible	30	35	42.5	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources
N8		Monito	ring at N8 to com	mence when su	rface activities a	approach 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: July 2012

Publication Date: 2nd August 2012

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	18-Jul-2012	25-Jul-2012	N/A	N/A	N/A	0.8
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
12	Conductivity	μs/cm	Upon	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	98
12	TOC	mg/L	discharge	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	16
13	Conductivity	μs/cm	Upon	1	13-Jul-2012	23-Jul-2012	N/A	N/A	N/A	205
13	TOC	mg/L	discharge	1	13-Jul-2012	23-Jul-2012	N/A	N/A	N/A	14
	Conductivity	μs/cm		1	13-Jul-2012	23-Jul-2012	N/A	N/A	N/A	221
	TOC	mg/L	Quarterly –	1	13-Jul-2012	23-Jul-2012	N/A	N/A	N/A	21
14	Oil & Grease	mg/L	Upon	1	13-Jul-2012	23-Jul-2012	N/A	N/A	N/A	<5
	рН	рН	discharge	1	13-Jul-2012	23-Jul-2012	N/A	N/A	N/A	7.52
	TSS	mg/L		1	13-Jul-2012	23-Jul-2012	N/A	N/A	N/A	133
	Conductivity	μs/cm		1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	230
	TOC	mg/L	Quarterly –	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	14
15	Oil & Grease	mg/L	Upon	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	<5
	рН	рН	discharge	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	7.65
	TSS	mg/L		1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	88



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		1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	50
	TOC	mg/L	Quarterly –	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	15
16	Oil & Grease	mg/L	Upon	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	<5
	рН	рН	discharge	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	6.86
	TSS	mg/L		1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	32
	Conductivity	μs/cm		1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	85
	TOC	mg/L	Quarterly –	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	20
17	Oil & Grease	mg/L	Upon	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	<5
	рН	рН	discharge	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	7.12
	TSS	mg/L		1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	108
18	Conductivity	μs/cm	Upon			SD7 not v	et constructe	4		
10	TOC	mg/L	discharge			3D7 HOLY	et constructed	u		
	Conductivity	μs/cm		1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	62
	TOC	mg/L	Quarterly –	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	13
19	Oil & Grease	mg/L	Upon	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	<5
	рН	pН	discharge	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	7.11
	TSS	mg/L		1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	229
	Conductivity	μs/cm		0			N/A	N/A	N/A	
	TOC	mg/L	Quarterly –	0			N/A	N/A	N/A	
20	Oil & Grease	mg/L	Upon	0			N/A	N/A	N/A	
	рН	рН	discharge	0			N/A	N/A	N/A	
	TSS	mg/L		0			N/A	N/A	N/A	
	Conductivity	μs/cm		1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	47
	TOC	mg/L	Quarterly –	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	8
21	Oil & Grease	mg/L	Upon	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	<5
	рН	рН	discharge	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	7.00
	TSS	mg/L		1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	142
	Conductivity	μs/cm		1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	71
	TOC	mg/L	Quarterly –	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	10
22	Oil & Grease	mg/L	Upon	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	<5
	рН	рН	discharge	1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	7.43
	TSS	mg/L		1	12-Jul-2012	23-Jul-2012	N/A	N/A	N/A	53



Table 2 - Pollutant Limits Apply (Water)

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Max or Only Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	Unan	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L		1	12-Jul-2012	23-Jul-2012	N/A	N/A	122	50	No	Dam – SD5. TSS not
12	Oil & Grease	mg/L	Upon discharge	1	12-Jul-2012	23-Jul-2012	N/A	N/A	<5	10	No	exceeded as received >38.4mm of
	рН	рН		1	12-Jul-2012	23-Jul-2012	N/A	N/A	7.33	6.5-8.5	No	rain prior to discharge
	TSS	mg/L		1	13-Jul-2012	23-Jul-2012	N/A	N/A	20	50	No	
13	Oil & Grease	mg/L	Upon discharge	1	13-Jul-2012	23-Jul-2012	N/A	N/A	<5	10	No	Dam – SD2
	рН	рН	uiscriarge	1	13-Jul-2012	23-Jul-2012	N/A	N/A	7.83	6.5-8.5	No	
	TSS	mg/L	Llasa									
18	Oil & Grease	mg/L	Upon discharge	SD/ not vet constructed								
	рН	рН										

EPL	Date	Measured	Measured	Measured	Measured	Limit(s)	Measurement	Weather	Compliant	Comments
ID		Levels –	Levels – dB(A)	Levels –	Levels –		Periods		(Yes/No)	
		dB(A)	L _{eq 15min Evening}	dB(A)	dB(A)					
		L _{eq 15min Day}		L _{eq 15min Night}	L _{A1 (1 min) Night}					
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
N1						35	Evening – 0.5			
INT						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			

EPL ID	Date	Measured Levels –	Measured Levels – dB(A)	Measured Levels –	Measured Levels –	Limit(s)	Measurement Periods	Weather	Compliant (Yes/No)	Comments
		dB(A)	L _{eq 15min Evening}	dB(A)	dB(A)					
		Leq 15min Day		Leq 15min Night	L _{A1 (1 min) Night}					
	Not					Day, Evening	Day – 1.5 hrs			
	Required					<u>& Night:</u>				
N3						35	Evening – 0.5			
						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
NIE						35	Evening – 0.5			
N5						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	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			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
	•					35	Evening – 0.5			
N7						<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 longwa	II panels.	l .



Figure 1 – EPL 12789 Monitoring Locations





Site Information

EPL No: 12789

EPA Website Link: http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31557&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 2012 Publication Date: 5th September 2012

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	17 August 2012	27 August 2012	N/A	N/A	N/A	0.5
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
12	Conductivity	μs/cm	Upon	0						
12	TOC	mg/L	discharge	0						
12	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	pН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	pН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon			CD7 mat.		J		
18	TOC	mg/L	discharge			SD/ not y	et constructed	1		
	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	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						



Table 2 - Pollutant Limits Apply (Water)

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

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 (Yes/No)	Comments
		L _{eq 15min Day}	ed 19	L _{eq 15min Night}	L _{A1 (1 min) Night}					
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
N1						35	Evening – 0.5			
INT						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
N3						35	Evening – 0.5			
IVS						<u>Night</u>	hrs			
	·					<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			

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 (Yes/No)	Comments
		Leq 15min Day		Leq 15min Night	L _{A1 (1 min) Night}		5 451			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:	F . 0.F			
N5						35	Evening – 0.5			
						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					<u>& Night:</u>				
N6						35	Evening – 0.5			
INO						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
						35	Evening – 0.5			
N7						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
N8		Monito	ring at N8 to com	mence when su	rface activities a	approach the east	ern end of the sou	thern longwa	Il panels.	



Figure 1 – EPL 12789 Monitoring Locations





Site Information

EPL No: 12789

EPA Website Link: http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31557&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 2012 **Publication Date:** 18th October 2012

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	18/09/2012	2/10/2012	N/A	N/A	N/A	1.3
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
12	Conductivity	μs/cm	Upon	0						
12	TOC	mg/L	discharge	0						
12	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	pН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	pН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon			CD7 mat.		J		
18	TOC	mg/L	discharge			SD/ not y	et constructed	1		
	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	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						



Table 2 - Pollutant Limits Apply (Water)

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	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	Llman	0						50		
12	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD5
	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	l la a sa									
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet const	ructed			
	рН	рН	uiscilaige									

EPL ID	Date	Measured Levels – dB(A) L _{eq 15min Day}	Measured Levels – dB(A) L _{eq 15min Evening}	Measured Levels – dB(A) L _{eq 15min Night}	Measured Levels – dB(A) LA1 (1 min) Night	Limit(s)	Measurement Periods	Weather	Compliant (Yes/No)	Comments
	25-Sep-12	Inaudible	23	31	37	Day, Evening & Night:	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N1	26-Sep-12	Inaudible	Inaudible	34	41	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	27-Sep-12	Inaudible	Inaudible	Inaudible	n/a	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources
	25-Sep-12	29	Inaudible	Inaudible	n/a	Day, Evening & Night:	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N3	26-Sep-12	28	25	26	40	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	27-Sep-12	24	29	33	41	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources



EPL ID	Date	Measured Levels – dB(A) L _{eq 15min Day}	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A) L _{eq 15min Night}	Measured Levels – dB(A) L _{A1 (1 min) Night}	Limit(s)	Measurement Periods	Weather	Compliant (Yes/No)	Comments
	25-Sep-12	Inaudible	Inaudible	Inaudible	n/a	Day, Evening & Night:	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N5	26-Sep-12	Inaudible	33	29	36	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	27-Sep-12	33	28	33	41	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources
	25-Sep-12	24	28	28	29	Day, Evening & Night:	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N6	26-Sep-12	27	29	31	35	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	27-Sep-12	Inaudible	Inaudible	25	30	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources
	25-Sep-12	Inaudible	29	31	39	Day, Evening & Night:	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N7	26-Sep-12	Inaudible	30	28	35	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	27-Sep-12	Inaudible	Inaudible	Inaudible	n/a	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources
N8		<u>Monito</u>	oring at N8 to com	mence when su	rface activities a	approach the east	ern end of the sou	thern longwa	II panels.	



Figure 1 – EPL 12789 Monitoring Locations





Site Information

EPL No: 12789

EPA Website Link: http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31557&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 2012

Publication Date: 20th November 2011

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	18-Oct-12	26-Oct-12	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						
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						

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	pН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	pН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon			CD7 mat.		J		
18	TOC	mg/L	discharge			SD/ not y	et constructed	1		
	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	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						



Table 2 - Pollutant Limits Apply (Water)

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	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	Llman	0						50		
12	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD5
	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	Unan									
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet const	tructed			
	рН	рН	discilarge									

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 (Yes/No)	Comments
		L _{eq 15min Day}	ed 19	L _{eq 15min Night}	L _{A1 (1 min) Night}					
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
N1						35	Evening – 0.5			
INT						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
N3						35	Evening – 0.5			
IVS						<u>Night</u>	hrs			
	·					<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			

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 (Yes/No)	Comments
		Leq 15min Day		Leq 15min Night	L _{A1 (1 min) Night}		5 451			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:	- · 0-			
N5						35	Evening – 0.5			
						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					<u>& Night:</u>				
N6						35	Evening – 0.5			
INO						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
						35	Evening – 0.5			
N7						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
N8		Monito	ring at N8 to com	mence when su	rface activities a	approach the east	ern end of the sou	thern longwa	Il panels.	



Figure 1 – EPL 12789 Monitoring Locations





Site Information

EPL No: 12789

EPA Website Link: http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31557&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 2012 Publication Date: 3rd December 2012

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	19-Nov-12	27-Nov-12	N/A	N/A	N/A	0.4
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						
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						

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 mat.		J		
18	TOC	mg/L	discharge			SD/ not y	et constructed	1		
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon discharge	0						
	рН	рН		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 – Upon discharge	0						
22	Oil & Grease	mg/L		0						
	рН	рН		0						
	TSS	mg/L		0						



Table 2 - Pollutant Limits Apply (Water)

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

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 (Yes/No)	Comments
		L _{eq 15min Day}	ed 19	L _{eq 15min Night}	L _{A1 (1 min) Night}					
	Not					Day, Evening	Day – 1.5 hrs			
	Required					<u>& Night:</u>				
N1						35	Evening – 0.5			
INT						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					<u>& Night:</u>				
N3						35	Evening – 0.5			
IVS						<u>Night</u>	hrs			
	·					<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			

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 (Yes/No)	Comments
		Leq 15min Day		Leq 15min Night	L _{A1 (1 min) Night}		5 451			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:	- · 0-			
N5						35	Evening – 0.5			
						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					<u>& Night:</u>				
N6						35	Evening – 0.5			
INO						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
						35	Evening – 0.5			
N7						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
N8		Monito	ring at N8 to com	mence when su	rface activities a	approach the east	ern end of the sou	thern longwa	Il panels.	



Figure 1 – EPL 12789 Monitoring Locations





Site Information

EPL No: 12789

EPA Website Link: http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31557&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 2012 **Publication Date:** 17th January 2012

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	19-Dec-12	2-Jan-13	N/A	N/A	N/A	0.3
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
12	Conductivity	μs/cm	Upon	0						
12	TOC	mg/L	discharge	0						
12	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 discharge	0						
	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	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 mat v		٠		
18	TOC	mg/L	discharge			SD7 not y	et constructed	u		
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly – Upon discharge	0						
19	Oil & Grease	mg/L		0						
	рН	рН		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 – Upon discharge	0						
22	Oil & Grease	mg/L		0						
	рН	рН		0						
	TSS	mg/L		0						



Table 2 - Pollutant Limits Apply (Water)

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

EPL ID	Date	Measured Levels – dB(A) L _{eq 15min Day}	Measured Levels – dB(A) L _{eq 15min Evening}	Measured Levels – dB(A) L _{eq 15min Night}	Measured Levels – dB(A) LA1 (1 min) Night	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments
	18-Dec-12	22	33	28	38	Day, Evening & Night:	Day – 1.5 hrs	Yes	Yes	Results are NM* sources
N1	19-Dec-12	Inaudible	32	Inaudible	n/a	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	20-Dec-12	Inaudible	29	25	35	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources
	18-Dec-12	Inaudible	32	27	35	Day, Evening & Night:	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N3	19-Dec-12	Inaudible	20	Inaudible	n/a	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	20-Dec-12	Inaudible	35	36	43	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No – wind speed	Yes	Results are NM sources

EPL ID	Date	Measured Levels – dB(A) L _{eq 15min Day}	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A) L _{eq 15min Night}	Measured Levels – dB(A) L _{A1 (1 min) Night}	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments
	18-Dec-12	Inaudible	15	Inaudible	n/a	Day, Evening & Night:	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N5	19-Dec-12	Inaudible	28	31	38	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	20-Dec-12	Inaudible	32	35	48	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No – wind speed	Yes	Results are NM sources
	18-Dec-12	32	29	33	38	Day, Evening & Night:	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N6	19-Dec-12	Inaudible	20	27	30	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	20-Dec-12	Inaudible	Inaudible	Inaudible	n/a	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources
	18-Dec-12	Inaudible	28	32	39	Day, Evening & Night:	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N7	19-Dec-12	Inaudible	Inaudible	Inaudible	n/a	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	20-Dec-12	Inaudible	Inaudible	Inaudible	n/a	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources
N8		Monito	oring at N8 to com	nmence when su	urface activities	approach the eas	tern end of the sou	ithern longwal	l panels.	

^{*} NM = Narrabri Mine



Figure 1 – EPL 12789 Monitoring Locations





NARRABRI MINE – MONTHLY MONITORING SUMMARY CORRECTION LOG

Site Information

EPL No: 12789

EPA Website Link: http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=31557&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

Sample Point/s	Sample Date	Original Data	Corrected Data	Date Corrected	Date Originally Published	Reason
						No corrections to date



NARRABRI MINE – MONTHLY MONITORING SUMMARY CORRECTION LOG

Figure 1 – EPL 12789 Monitoring Locations

