

Site Information

EPL No: 12789

EPA Website Link: http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=33125&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 2014

Publication Date: 4th February 2014

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	13-Jan-14	28-Jan-14	Dust gau	ge funnel bro	oken, no resu	lt reported
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		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						



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) L _{eq 15min Evening}	Measured Levels – dB(A)	Measured Levels – dB(A)	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments
		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			
	Required					& Night:				
N3						35	Evening – 0.5			
INS						<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) Leq 15min Evening	Measured Levels – dB(A)	Measured Levels – dB(A)	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments
		L _{eq 15min Day}	-eq 13mm Evening	L _{eq 15min Night}	L _{A1 (1 min) Night}					
	Not			-		Day, Evening	Day – 1.5 hrs			
	Required					<u>& Night:</u>				
N5						35	Evening – 0.5			
143						<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					<u>& Night:</u>				
N7						35	Evening – 0.5			
147						<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 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 2014 Publication Date: 10th March 2014

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	12-Feb-14	19-Feb-14	N/A	N/A	N/A	1.0
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		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		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						



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	discharge	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	discharge	0						6.5-8.5		
	TSS	mg/L	Llman				•					_
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) L _{eq 15min Evening}	Measured Levels – dB(A)	Measured Levels – dB(A)	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments
		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			
	Required					& Night:				
N3						35	Evening – 0.5			
INS						<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	Compliant (Yes/No)	Comments
		dB(A)	L _{eq 15min Evening}	dB(A)	dB(A)			Conditions		
		L _{eq 15min Day}		L _{eq 15min Night}	L _{A1 (1 min) Night}					
	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			
110						<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>				
N7						35	Evening – 0.5			
						<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 longwal	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=33517&SYSUID=1&LICID=12789

Licensee: Narrabri Coal Operations Pty Ltd

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

EPL Monitoring Points: See Figure 1 below

Sampling Period: March 2014 Publication Date: 10th April 2014

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
ND3	Deposited Matter	g/m ² /month	Once a month (min. 4 weeks)	1	13-Mar-14	24-Mar-14	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	1	28-Mar-14	8-Apr-14	N/A	N/A	N/A	72
12	TOC	mg/L	discharge	1	28-Mar-14	8-Apr-14	N/A	N/A	N/A	10
13	Conductivity	μs/cm	Upon	1	28-Mar-14	8-Apr-14	N/A	N/A	N/A	103
15	TOC	mg/L	discharge	1	28-Mar-14	8-Apr-14	N/A	N/A	N/A	12
	Conductivity	μs/cm		1	27-Mar-14	4-Apr-14	N/A	N/A	N/A	113
	TOC	mg/L	Quarterly –	1	27-Mar-14	4-Apr-14	N/A	N/A	N/A	16
14	Oil & Grease	mg/L	Upon	1	27-Mar-14	4-Apr-14	N/A	N/A	N/A	<5
	рН	рН	discharge	1	27-Mar-14	4-Apr-14	N/A	N/A	N/A	7.53
	TSS	mg/L		1	27-Mar-14	4-Apr-14	N/A	N/A	N/A	14
	Conductivity	μs/cm	Quarterly –	4	21,25,26,27- Mar-14	4-Apr-14	98	184	177	286
15	тос	mg/L	Upon discharge	4	21,25,26,27- Mar-14	4-Apr-14	10	18	16	31
	Oil & Grease	mg/L		4	21,25,26,27-	4-Apr-14	<5	N/A	N/A	<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
					Mar-14					
	рН	рН		4	21,25,26,27- Mar-14	4-Apr-14	7.13	7.44	7.40	7.85
	TSS	mg/L		4	21,25,26,27- Mar-14	4-Apr-14	<5	57	61	100
	Conductivity	μs/cm		2	25,27-Mar- 14	4-Apr-14	65	68	68	70
	тос	mg/L	Out of the state of	2	25,27-Mar- 14	4-Apr-14	10	11	11	12
16	Oil & Grease	mg/L	Quarterly – Upon discharge	2	25,27-Mar- 14	4-Apr-14	<5	N/A	N/A	<5
	рН	рН	uischarge	2	25,27-Mar- 14	4-Apr-14	6.65	6.96	6.96	7.27
	TSS	mg/L		2	25,27-Mar- 14	4-Apr-14	8	22	22	35
	Conductivity	μs/cm		2	25,27-Mar- 14	4-Apr-14	72	76	76	79
	тос	mg/L		2	25,27-Mar- 14	4-Apr-14	13	14	14	14
17	Oil & Grease	mg/L	Quarterly – Upon discharge	2	25,27-Mar- 14	4-Apr-14	<5	N/A	N/A	<5
	рН	рН	uischarge	2	25,27-Mar- 14	4-Apr-14	6.46	6.83	6.83	7.19
	TSS	mg/L		2	25,27-Mar- 14	4-Apr-14	22	55	55	88
18	Conductivity	μs/cm	Upon			SD7 not v	et constructe	4		
10	TOC	mg/L	discharge			3D7 HUL Y	et constructed	u 		
	Conductivity	μs/cm		2	25,27-Mar- 14	4-Apr-14	90	143	143	195
19	тос	mg/L	Quarterly – Upon	2	25,27-Mar- 14	4-Apr-14	6	7	7	8
	Oil & Grease	mg/L	discharge	2	25,27-Mar- 14	4-Apr-14	<5	N/A	N/A	<5
	рН	рН]	2	25,27-Mar-	4-Apr-14	7.25	7.33	7.33	7.41



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
					14					
	TSS	mg/L		2	25,27-Mar- 14	4-Apr-14	92	298	298	503
	Conductivity	μs/cm		1	27-Mar-14	4-Apr-14	N/A	N/A	N/A	130
	TOC	mg/L	Quarterly –	1	27-Mar-14	4-Apr-14	N/A	N/A	N/A	8
20	Oil & Grease	mg/L	Upon	1	27-Mar-14	4-Apr-14	N/A	N/A	N/A	<5
	рН	рН	discharge	1	27-Mar-14	4-Apr-14	N/A	N/A	N/A	7.38
	TSS	mg/L		1	27-Mar-14	4-Apr-14	N/A	N/A	N/A	58
	Conductivity	μs/cm		4	21,25,26,27- Mar-14	4-Apr-14	16	57	65	82
	тос	mg/L	Quarterly – Upon	4	21,25,26,27- Mar-14	4-Apr-14	5	10	11	14
21	Oil & Grease	mg/L		4	21,25,26,27- Mar-14	4-Apr-14	<5	N/A	N/A	<5
	рН	рН	uischarge	4	21,25,26,27- Mar-14	4-Apr-14	6.58	6.93	6.95	7.23
	TSS	mg/L		4	21,25,26,27- Mar-14	4-Apr-14	39	117	63	302
	Conductivity	μs/cm		4	21,25,26,27- Mar-14	4-Apr-14	78	97	93	122
	тос	mg/L	Out of the other	4	21,25,26,27- Mar-14	4-Apr-14	6	11	11	15
22	Oil & Grease	mg/L	Quarterly – Upon discharge	4	21,25,26,27- Mar-14	4-Apr-14	<5	N/A	N/A	<5
	рН		4	21,25,26,27- Mar-14	4-Apr-14	7.02	7.22	7.23	7.41	
	TSS	mg/L		4	21,25,26,27- Mar-14	4-Apr-14	<5	67	67	129



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	Llman	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	1	28-Mar-14	8-Apr-14	18	18	18	50	No	
12	Oil & Grease	mg/L	Upon discharge	1	28-Mar-14	8-Apr-14	<5	<5	< 5	10	No	Dam – SD5
	рН	рН	uischarge	1	28-Mar-14	8-Apr-14	7.06	7.06	7.06	6.5-8.5	No	
	TSS	mg/L	Llaca	1	28-Mar-14	8-Apr-14	26	26	26	50	No	
13	Oil & Grease	mg/L	Upon discharge	1	28-Mar-14	8-Apr-14	<5	<5	<5	10	No	Dam – SD2
	рН	рН	uischarge	1	28-Mar-14	8-Apr-14	7.21	7.21	7.21	6.5-8.5	No	
	TSS	mg/L	Llman				•		•			_
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet const	ructed			
	рН	рН	discilarge									

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

EPL ID	Date	Measured Levels – dB(A) L _{eq 15min Day}	Measured Levels – dB(A) L _{eq 15min Evening}	Measured Levels – dB(A) L _{eq 15min Night}	Measured Levels – dB(A) LA1 (1 min) Night	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments
	17-Mar-14	Faintly Audible	35	38	47	Day, Evening & Night:	Day – 1.5 hrs	No	Yes	Results are NM sources.
N1	18-Mar-14	25	29	30	35	35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	Results are NM sources.
	19-Mar-14	Faintly Audible	26	Faintly Audible	25	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources.
	17-Mar-14	Inaudible	20	Inaudible	N/A	Day, Evening & Night:	Day – 1.5 hrs	No	Yes	Results are NM sources.
N3	18-Mar-14	Inaudible	Inaudible	Inaudible	N/A	35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	Results are NM sources.
	19-Mar-14	Inaudible	Inaudible	Inaudible	N/A	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No	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
	17-Mar-14	27	Faintly Audible	Inaudible	N/A	Day, Evening & Night:	Day – 1.5 hrs	No	Yes	Results are NM sources.
N5	18-Mar-14	23	Inaudible	Inaudible	N/A	35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	Results are NM sources.
	19-Mar-14	24	20	Inaudible	N/A	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No	Yes	Results are NM sources.
	17-Mar-14	27	34	38	N/A	Day, Evening	Day – 1.5 hrs	No	Yes	Results are NM sources. Monitoring
N6	18-Mar-14	34	31	32	N/A	<u>& Night:</u> 35 <u>Night</u> L _{A1 (1 min):}	Evening – 0.5 hrs	No	Yes	undertaken at mine boundary so levels
	19-Mar-14	30	36	36	N/A	45	Night – 1 hr	No	Yes	calculated for residence.
	17-Mar-14	Inaudible	Inaudible	32	35	Day, Evening & Night:	Day – 1.5 hrs	No	Yes	Results are NM sources.
N7	18-Mar-14	Inaudible	33	30	36	35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	Results are NM sources.
	19-Mar-14	27	Inaudible	Inaudible	N/A	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No	Yes	Results are NM sources.
N8		Monito	oring at N8 to com	mence when su	rface activities a	pproach the east	ern end of the sou	thern longwall	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: April 2014 Publication Date: 22nd May 2014

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	14-Apr-14	23-Apr-14	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	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						



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)	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
		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			
	Required					& Night:				
N3						35	Evening – 0.5			
INS						<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	Compliant (Yes/No)	Comments
		dB(A)	L _{eq 15min Evening}	dB(A)	dB(A)			Conditions		
		L _{eq 15min Day}		L _{eq 15min Night}	L _{A1 (1 min) Night}					
	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			
110						<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>				
N7						35	Evening – 0.5			
						<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 longwal	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=33125&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 2014 Publication Date: 3rd June 2014

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	14-May-14	22-May-14	N/A	N/A	N/A	1.2
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						



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 a									
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet const	ructed			
	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
		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			
	Required					& Night:				
N3						35	Evening – 0.5			
INS						<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	Compliant (Yes/No)	Comments
		dB(A)	L _{eq 15min Evening}	dB(A)	dB(A)			Conditions		
		L _{eq 15min Day}		L _{eq 15min Night}	L _{A1 (1 min) Night}					
	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			
110						<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>				
N7						35	Evening – 0.5			
						<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 longwal	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=34050&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 2014 Publication Date: 6th July 2014

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	13-Jun-14	25-Jun-14	N/A	N/A	N/A	0.2
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	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						
10	Conductivity	μs/cm	Upon			CD7 matri				
18	TOC	mg/L	discharge			SD7 not y	et constructed	J		
	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						



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	uischarge	0						6.5-8.5		
	TSS	mg/L	11	0						50		
12	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD5
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Hann	0						50		
13	Oil & Grease	mg/L	Upon	0						10		Dam – SD2
	рН	рН	discharge	0						6.5-8.5		
	TSS	mg/L	Hann									
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet cons	tructed			
	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) L _{A1 (1 min) Night}	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments
	2-Jun-14	-	35	31	39	Day, Evening	Day – 1.5 hrs	Yes	Yes	Results are NM sources.
N1	3-Jun-14	26	35	31	37	<u>& Night:</u> 35	Evening – 0.5	Yes	Yes	Results are NM sources.
INI	4-Jun-14	34	Inaudible	27	35	<u>Night</u> L _{A1 (1 min)} :	hrs	No	Yes	Results are NM sources.
	5-Jun-14	30	-	-	-	45	Night – 1 hr	Yes	Yes	Results are NM sources.
NO	2-Jun-14	-	34	32	40	Day, Evening & Night:	Day – 1.5 hrs	Yes	Yes	Results are NM sources.
N3	3-Jun-14	28	29	Inaudible	N/A	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources.



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
	4-Jun-14	Inaudible	20	30	39	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources.
	5-Jun-14	30	-	-	-			Yes	Yes	Results are NM sources.
	2-Jun-14	-	23	32	36	Day, Evening	Day – 1.5 hrs	Yes	Yes	Results are NM sources.
N5	3-Jun-14	25	Inaudible	Inaudible	N/A	<u>& Night:</u> 35	Evening – 0.5 hrs	Yes	Yes	Results are NM sources.
IN5	4-Jun-14	Barely audible	Inaudible	24	28	<u>Night</u> L _{A1 (1 min)} :	Night – 1 hr	Yes	Yes	Results are NM sources.
	5-Jun-14	30	-	-	-	45		Yes	Yes	Results are NM sources.
	2-Jun-14	-	-	-	N/A	Day Evoning	Day – 1.5 hrs	Yes	Yes	Results are NM sources.
N6	3-Jun-14	29	20	21	N/A	Day, Evening & Night: 35	Evening – 0.5	Yes	Yes	Monitoring undertaken at mine
NO	4-Jun-14	16	16	19	N/A	<u>Night</u> L _{A1 (1 min)} : 45	hrs Night – 1 hr	No	Yes	boundary so levels calculated
	5-Jun-14	12	-	-	-	43	THE THE	Yes	Yes	for residence.
	2-Jun-14	-	32	24	30	Day, Evening	Day – 1.5 hrs	Yes	Yes	Results are NM sources.
N.7	3-Jun-14	Inaudible	33	33	39	<u>& Night:</u> 35	Evening – 0.5 hrs	Yes	Yes	Results are NM sources.
N7	4-Jun-14	28	Inaudible	28	36	<u>Night</u> L _{A1 (1 min)} :	Night – 1 hr	No	Yes	Results are NM sources.
	5-Jun-14	29	-	-	-	45		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 longwall	l 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=34050&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 2014

Publication Date: 4th August 2014

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	13-Jul-14	17-Jul-14	N/A	N/A	N/A	<0.1
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						
4.0	Conductivity	μs/cm	Upon			CD7		-1		
18	TOC	mg/L	discharge			SD7 not y	et constructed	a		
	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						



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	uischarge	0						6.5-8.5		
	TSS	mg/L	I I a a a	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	uischarge									

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
		L _{eq 15min Day}		Leg 15min Night	L _{A1 (1 min) Night}					
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
NI1						35	Evening – 0.5			
N1						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
NO						35	Evening – 0.5			
N3						<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) Leq 15min Evening	Measured Levels – dB(A)	Measured Levels – dB(A)	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments
	Not	L _{eq 15min Day}		L _{eq 15min Night}	L _{A1 (1 min) Night}	Day Evening	Day – 1.5 hrs			
	Required					Day, Evening & Night:	Day = 1.5 1115			
	Required					35	Evening – 0.5			
N5							hrs			
						Night	1113			
						<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr			
	Not Required					Day, Evening	Day – 1.5 hrs			
						<u>& Night:</u> 35	Evening – 0.5			
N6						<u>Night</u>	hrs			
						L _{A1 (1 min)} : 45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
N7						35	Evening – 0.5			
IN /						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			



Figure 1 – EPL 12789 Monitoring Locations





Site Information

EPL No: 12789

EPA Website Link: http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=34050&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 2014

Publication Date: 9th September 2014

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
ND3	Deposited Matter	g/m ² /month	Once a month (min. 4 weeks)	1	13-Aug-14	21-Aug-14	N/A	N/A	N/A	1.2
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		1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	116
	TOC	mg/L	Quarterly –	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	15
15	Oil & Grease	mg/L	Upon	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	<5
	рН	рН	discharge	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	7.48
	TSS	mg/L		1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	56



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	27-Aug-14	4-Sep-14	N/A	N/A	N/A	52
	TOC	mg/L	Quarterly –	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	16
16	Oil & Grease	mg/L	Upon	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	<5
	рН	рН	discharge	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	6.91
	TSS	mg/L		1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	42
	Conductivity	μs/cm		1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	50
	TOC	mg/L	Quarterly –	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	21
17	Oil & Grease	mg/L	Upon	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	<5
	рН	рН	discharge	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	6.8
	TSS	mg/L		1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	28
18	Conductivity	μs/cm	Upon			CD7 not v	ot constructor	٦		
18	TOC	mg/L	discharge			3D7 HOLY	et constructed	J		
	Conductivity	μs/cm		1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	353
	TOC	mg/L	Quarterly –	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	11
19	Oil & Grease	mg/L	Upon	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	<5
	рН	рН	discharge	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	7.14
	TSS	mg/L		1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	98
	Conductivity	μs/cm		1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	203
	TOC	mg/L	Quarterly –	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	11
20	Oil & Grease	mg/L	Upon	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	<5
	рН	рН	discharge	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	7.11
	TSS	mg/L		1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	113
	Conductivity	μs/cm		1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	98
	TOC	mg/L	Quarterly –	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	12
21	Oil & Grease	mg/L	Upon	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	<5
	рН	рН	discharge	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	7.35
	TSS	mg/L		1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	238
	Conductivity	μs/cm		1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	77
	TOC	mg/L	Quarterly –	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	12
22	Oil & Grease	mg/L	Upon	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	<5
	рН	рН	discharge	1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	7.41
	TSS	mg/L		1	27-Aug-14	4-Sep-14	N/A	N/A	N/A	16



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	uischarge	0						6.5-8.5		
	TSS	mg/L	I I a a a	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		
	· · · · · · · · · · · · · · · · · · ·	mg/L	Unan									
18	Oil & Grease	mg/L	Upon discharge	SD7 not yet constructed								
	рН	рН		rge								

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
		L _{eq 15min Day}		Leg 15min Night	L _{A1 (1 min) Night}					
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
NI1						35	Evening – 0.5			
N1						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
NO						35	Evening – 0.5			
N3						<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 Conditions	Compliant (Yes/No)	Comments
	Not	Leq 15min Day		L _{eq 15min Night}	L _{A1 (1 min) Night}	Day Evaning	Day – 1.5 hrs			
	Required					Day, Evening & Night:	Day - 1.5 1115			
	Required					<u>& Night.</u> 35	Evening – 0.5			
N5						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not Required					Day, Evening <u>& Night:</u>	Day – 1.5 hrs			
NG						35	Evening – 0.5			
N6						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr			
	Not Required					Day, Evening & Night:	Day – 1.5 hrs			
N7						35	Evening – 0.5			
IN /						<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		ern end of the sou	thern longwall	nanels	



Figure 1 – EPL 12789 Monitoring Locations





Site Information

EPL No: 12789

EPA Website Link: http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=34050&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 2014 **Publication Date:** 16th October 2014

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	12-Sep-14	22-Sep-14	N/A	N/A	N/A	1.2
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						
4.0	Conductivity	μs/cm	Upon			CD7		-1		
18	TOC	mg/L	discharge			SD7 not y	et constructed	a		
	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	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	Llasa	0						50		
12	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD5
	рН	рН	discriarge	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										
18	Oil & Grease	mg/L	Upon discharge	SILV NOT VET CONSTRUCTED								
	рН	рН										

EPL ID	Date	Measured Levels – dB(A) L _{eg 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
	17-Sep-14	Faintly audible	37	39	45	Day, Evening & Night:	Day – 1.5 hrs	No	Yes	Results are NM sources.
N1	18-Sep-14	29	37	Faintly audible	23	35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	Results are NM sources.
	19-Sep-14	38	38	28	34	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No	No	Results are NM sources.
	17-Sep-14	25	36	27	33	Day, Evening & Night:	Day – 1.5 hrs	No	Yes	Results are NM sources.
N3	18-Sep-14	29	32	23	26	35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	Results are NM sources.
	19-Sep-14	Inaudible	33	30	35	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No	Yes	Results are NM sources.



EPL ID	Date	Measured Levels – dB(A) L _{eq 15min Day}	Measured Levels – dB(A) L _{eq 15min Evening}	Measured Levels – dB(A) Leq 15min Night	Measured Levels – dB(A) L _{A1 (1 min) Night}	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments
	17-Sep-14	Inaudible	29	<20	23	Day, Evening & Night:	Day – 1.5 hrs	No	Yes	Results are NM sources.
N5	18-Sep-14	Faintly audible	Inaudible	Inaudible	N/A	35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	Results are NM sources.
	19-Sep-14	Inaudible	Faintly audible	Inaudible	N/A	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No	Yes	Results are NM sources.
	17-Sep-14	<20	<20	<20	21	Day, Evening	Day – 1.5 hrs	No	Yes	Results are NM sources. Monitoring
N6	18-Sep-14	Faintly audible	19	19	23	<u>& Night:</u> 35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	undertaken at mine boundary so levels
	19-Sep-14	12	21	21	25	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No	Yes	calculated for residence.
	17-Sep-14	Inaudible	32	33	36	Day, Evening & Night:	Day – 1.5 hrs	No	Yes	Results are NM sources.
N7	18-Sep-14	24	29	36	40	35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	Results are NM sources.
	19-Sep-14	26	33	30	35	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No	Yes	Results are NM sources.
N8		Monito	oring at N8 to com	mence when su	rface activities a	approach the east	ern end of the sou	thern longwal	l panels.	•



Figure 1 – EPL 12789 Monitoring Locations





Site Information

EPL No: 12789

EPA Website Link: http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=34050&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 2014 Publication Date: 4th November 2014

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	13-Oct-14	23-Oct-14	N/A	N/A	N/A	<0.1
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	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						
4.0	Conductivity	μs/cm	Upon			CD7		-1		
18	TOC	mg/L	discharge			SD7 not y	et constructed	a		
	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	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	I I a a a	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				SD7 no	t yet const	tructed			
	рН	рН	discharge									

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
		L _{eq 15min Day}		Leg 15min Night	L _{A1 (1 min) Night}					
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
NI1						35	Evening – 0.5			
N1						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
NO						35	Evening – 0.5			
N3						<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) Leq 15min Evening	Measured Levels – dB(A)	Measured Levels – dB(A)	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments
	Not	L _{eq 15min Day}		L _{eq 15min Night}	L _{A1 (1 min) Night}	Day Evening	Day – 1.5 hrs			
	Required					Day, Evening & Night:	Day = 1.5 1115			
	Required					35	Evening – 0.5			
N5							hrs			
						Night	1113			
						<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr			
	Not Required					Day, Evening	Day – 1.5 hrs			
						<u>& Night:</u> 35	Evening – 0.5			
N6						<u>Night</u>	hrs			
						L _{A1 (1 min)} : 45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
N7						35	Evening – 0.5			
IN /						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			



Figure 1 – EPL 12789 Monitoring Locations





Site Information

EPL No: 12789

EPA Website Link: http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=40629&SYSUID=1&LICID=12789

Licensee: Narrabri Coal Operations Pty Ltd

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

EPL Monitoring Points: See Figure 1 below

Sampling Period: November 2014 Publication Date: 4th December 2014

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	13-Nov-14	21-Nov-14	N/A	N/A	N/A	1.1
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				<u> </u>		

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	Llaca	0						50		
12	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD5
	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	Llana			_			•			_
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet const	ructed			
	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 Conditions	Compliant (Yes/No)	Comments
	Not	L _{eq 15min Day}		Leq 15min Night	LA1 (1 min) Night	Day, Evening	Day – 1.5 hrs			
	required					& Night:				
N1	•					35	Evening – 0.5			
NI						<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			
INS						<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 Conditions	Compliant (Yes/No)	Comments
		L _{eq 15min Day}		Leq 15min Night	L _{A1 (1 min) Night}					
	Not					Day, Evening	Day – 1.5 hrs			
	required					& Night:				
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			
INO						<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>				
N7						35	Evening – 0.5			
147						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
ВИ		Monito	oring at N8 to com	mence when su	rface activities a	approach the east	ern end of the sou	thern longwall	l 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=40629&SYSUID=1&LICID=12789

Licensee: Narrabri Coal Operations Pty Ltd

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

EPL Monitoring Points: See Figure 1 below

Sampling Period: December 2014 Publication Date: 2nd January 2014

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	13-Dec-14	22-Dec-14	N/A	N/A	N/A	0.9
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				<u> </u>		

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	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	Unan	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	discharge	0						6.5-8.5		
	TSS	mg/L	Unan			_						_
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet const	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
		L _{eq 15min Day}		Leq 15min Night	L _{A1 (1 min) Night}					
	1-Dec-14	Inaudible	29	30	34	Day, Evening & Night:	Day – 1.5 hrs	No	Yes	Results are NM sources.
N1	2-Dec-14	24	26	26	30	35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	Results are NM sources.
	3-Dec-14	Inaudible	Inaudible	33	37	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No	Yes	Results are NM sources.
	1-Dec-14	Faintly audible	29	28	31	Day, Evening & Night:	Day – 1.5 hrs	No	Yes	Results are NM sources.
N3	2-Dec-14	Inaudible	25	34	38	35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	Results are NM sources.
	3-Dec-14	Inaudible	30	Inaudible	N/A	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No	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	
	1-Dec-14	Inaudible	26	30	33	Day, Evening & Night:	Day – 1.5 hrs	No	Yes	Results are NM sources.	
N5	2-Dec-14	Inaudible	25	25	28	35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	Results are NM sources.	
	3-Dec-14	Inaudible	25	Inaudible	N/A	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No	Yes	Results are NM sources.	
	1-Dec-14	24	<10	<20	<20	Day, Evening	Day – 1.5 hrs	No	Yes	Results are NM sources. Monitoring	
N6	2-Dec-14	<20	<10	<20	<20	<u>& Night:</u> 35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	undertaken at mine boundary so levels	
	3-Dec-14	<20	23	23	25	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No	Yes	calculated for residence.	
	1-Dec-14	Inaudible	Inaudible	Inaudible	N/A	Day, Evening & Night:	Day – 1.5 hrs	No	Yes	Results are NM sources.	
N7	2-Dec-14	Inaudible	Inaudible	Inaudible	N/A	35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	Results are NM sources.	
	3-Dec-14	Inaudible	Inaudible	Inaudible	N/A	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No	Yes	Results are NM sources.	
N8		Monitoring at N8 to commence when surface activities approach the eastern end of the southern longwall panels.									



Figure 1 – EPL 12789 Monitoring Locations

