

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: January 2013

Publication Date: 11th February 2013

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-Jan-13	24-Jan-13	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						
10	Conductivity	μs/cm	Upon	0						
13	тос	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		1	29-Jan-13	6-Feb-13	-	-	-	162
	TOC	mg/L	Quarterly –	1	29-Jan-13	6-Feb-13	-	-	-	20
15	Oil & Grease	mg/L	Upon	1	29-Jan-13	6-Feb-13	-	-	-	<5
	рН	рН	discharge	1	29-Jan-13	6-Feb-13	-	-	-	7.09
	TSS	mg/L		1	29-Jan-13	6-Feb-13	-	-	-	23



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	riequency	1	29-Jan-13	6-Feb-13	_	-	-	89
	тос	mg/L	Quarterly –	1	29-Jan-13	6-Feb-13	_	_	_	31
16	Oil & Grease	mg/L	Upon	1	29-Jan-13	6-Feb-13	_	_	_	<5
	рН	pH	discharge	1	29-Jan-13	6-Feb-13	-	-	-	6.68
	TSS	mg/L	-	1	29-Jan-13	6-Feb-13	-	-	-	7
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	pH	discharge	0						
	TSS	mg/L	-	0						
	Conductivity	μs/cm	Upon							
18	TOC	mg/L	discharge			SD7 not y	et constructed	1		
	Conductivity	μs/cm		1	29-Jan-13	6-Feb-13	-	-	-	426
	TOC	mg/L	Quarterly –	1	29-Jan-13	6-Feb-13	-	-	-	15
19	Oil & Grease	mg/L	Upon	1	29-Jan-13	6-Feb-13	-	-	-	<5
	рН	рН	discharge	1	29-Jan-13	6-Feb-13	-	-	-	7.09
	TSS	mg/L		1	29-Jan-13	6-Feb-13	-	-	-	72
	Conductivity	μs/cm		1	29-Jan-13	6-Feb-13	-	-	-	387
	TOC	mg/L	Quarterly –	1	29-Jan-13	6-Feb-13	-	-	-	16
20	Oil & Grease	mg/L	Upon	1	29-Jan-13	6-Feb-13	-	-	-	<5
	рН	рН	discharge	1	29-Jan-13	6-Feb-13	-	-	-	6.82
	TSS	mg/L		1	29-Jan-13	6-Feb-13	-	-	-	65
	Conductivity	μs/cm		1	29-Jan-13	6-Feb-13	-	-	-	162
	TOC	mg/L	Quarterly –	1	29-Jan-13	6-Feb-13	-	-	-	17
21	Oil & Grease	mg/L	Upon	1	29-Jan-13	6-Feb-13	-	-	-	<5
	рН	рН	discharge	1	29-Jan-13	6-Feb-13	-	-	-	7.01
	TSS	mg/L		1	29-Jan-13	6-Feb-13	-	-	-	55
	Conductivity	μs/cm		1	29-Jan-13	6-Feb-13	-	-	-	92
	TOC	mg/L	Quarterly –	1	29-Jan-13	6-Feb-13	-	-	-	18
22	Oil & Grease	mg/L	Upon	1	29-Jan-13	6-Feb-13	-	-	-	<5
	рН	рН	discharge	1	29-Jan-13	6-Feb-13	-	-	-	6.89
	TSS	mg/L		1	29-Jan-13	6-Feb-13	-	-	-	90



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	Linen	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Linen	0						50		
12	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD5
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L		0						50		
13	Oil & Grease	mg/L	Upon	0						10		Dam – SD2
	рН	рН	discharge –	0						6.5-8.5		
	TSS	mg/L										
18	Oil & Grease	mg/L	Upon				SD7 no	t yet const	ructed			
	рН	рН	discharge									

Table 3 – Monitoring (Quarterly Atten	ded Noise – Limits Apply)
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EPL	Date	Measured	Measured	Measured	Measured	Limit(s)	Measurement	Weather	Compliant	Comments
ID		Levels – dB(A)	Levels – dB(A) L _{eq 15min Evening}	Levels – dB(A)	Levels – dB(A)		Periods	Compliant Conditions	(Yes/No)	
		L _{eq 15min Day}		L _{eq 15min Night}	LA1 (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			
IN 5						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			



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
	Not				/ 12 (2)B	Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
						35	Evening – 0.5			
N5						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u> 45	Night 1 hr			
	Net						Night – 1 hr			
	Not Required					<u>Day, Evening</u> <u>& Night:</u>	Day – 1.5 hrs			
						35	Evening – 0.5			
N6						Night	hrs			
						L _{A1 (1 min)} :				
						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		<u>Monito</u>	pring at N8 to com	<u>mence when su</u>	rface activities a	approach the east	ern end of the sou	thern longwall	panels.	







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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 2013

Publication Date: 6th March 2013

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	15-Feb-13	26-Feb-13	N/A	N/A	N/A	0.9
11	Conductivity	μs/cm	Upon	0						
11	тос	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						
	тос	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	inequency	0	Sumpicu	Obtained		Value	Value	
	тос	mg/L	Quarterly –	0						
16	Oil & Grease	mg/L	Upon	0						+
	рН	pH	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						
	Conductivity	μs/cm	Upon						1	.4
18	TOC	mg/L	discharge			SD7 not y	et constructed	1		
	Conductivity	μs/cm		0						
	тос	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						
	тос	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	тос	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	Linen	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Linen	0						50		
12	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD5
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Lin en	0						50		
13	Oil & Grease	mg/L	Upon dischargo	0						10		Dam – SD2
	рН	рН	discharge	0						6.5-8.5		
	TSS	mg/L	Linen									
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet const	tructed			
	рН	рН	discharge									

Table 3 – Monitoring (Quarterly Atten	ded Noise – Limits Apply)
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EPL	Date	Measured	Measured	Measured	Measured	Limit(s)	Measurement	Weather	Compliant	Comments
ID		Levels – dB(A)	Levels – dB(A) L _{eq 15min Evening}	Levels – dB(A)	Levels – dB(A)		Periods	Compliant Conditions	(Yes/No)	
		L _{eq 15min Day}		L _{eq 15min Night}	LA1 (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			
IN 5						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			



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
	Not				(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
N5						35	Evening – 0.5			
CNI						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr			
	Not Required					<u>Day, Evening</u> <u>& Night:</u>	Day – 1.5 hrs			
						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					<u>& Night:</u>				
N7						35	Evening – 0.5			
IN 7						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr			
N8		Monito	pring at N8 to com	mence when su	rface activities a	approach the east	ern end of the sou	thern longwall	panels.	







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Licensee: Narrabri Coal Operations Pty Ltd

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

EPL Monitoring Points: See Figure 1 below

Sampling Period: March 2012

Publication Date: 8th April 2013

Table 1 – No Pollutant	Limits Apply
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EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	15-Mar-13	26-Mar-13	N/A	N/A	N/A	0.6
11	Conductivity	μs/cm	Upon	0						
11	тос	mg/L	discharge	0						
12	Conductivity	μs/cm	Upon	0						
12	тос	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
13	TOC	mg/L	discharge	0						
	Conductivity	μs/cm		1	1-Mar-13	12-Mar-13	-	-	-	88
	тос	mg/L	Quarterly –	1	1-Mar-13	12-Mar-13	-	-	-	11
14	Oil & Grease	mg/L	Upon	1	1-Mar-13	12-Mar-13	-	-	-	<5
	рН	рН	discharge	1	1-Mar-13	12-Mar-13	-	-	-	6.96
	TSS	mg/L		1	1-Mar-13	12-Mar-13	-	-	-	238
	Conductivity	μs/cm		1	1-Mar-13	12-Mar-13	-	-	-	206
	TOC	mg/L	Quarterly –	1	1-Mar-13	12-Mar-13	-	-	-	10
15	Oil & Grease	mg/L	Upon discharge	1	1-Mar-13	12-Mar-13	-	-	-	<5
	рН	рН		1	1-Mar-13	12-Mar-13	-	-	-	7.15
	TSS	mg/L		1	1-Mar-13	12-Mar-13	-	-	-	322



EPL ID	Pollutant	Units of	Monitoring	No. of Samples	Date	Date	Min Value	Mean	Median	Max or
	Constructivity (Measure	Frequency	for the Month	Sampled	Obtained		Value	Value	Only Value
	Conductivity	μs/cm	-	1	1-Mar-13	12-Mar-13	-	-	-	45
4.5	TOC	mg/L	Quarterly –	1	1-Mar-13	12-Mar-13	-	-	-	9
16	Oil & Grease	mg/L	Upon	1	1-Mar-13	12-Mar-13	-	-	-	<5
	рН	pН	discharge	1	1-Mar-13	12-Mar-13	-	-	-	6.76
	TSS	mg/L		1	1-Mar-13	12-Mar-13	-	-	-	36
	Conductivity	μs/cm	-	1	1-Mar-13	12-Mar-13	-	-	-	204
	TOC	mg/L	Quarterly –	1	1-Mar-13	12-Mar-13	-	-	-	17
17	Oil & Grease	mg/L	Upon	1	1-Mar-13	12-Mar-13	-	-	-	<5
	рН	рН	discharge	1	1-Mar-13	12-Mar-13	-	-	-	7.33
	TSS	mg/L		1	1-Mar-13	12-Mar-13	-	-	-	27
18	Conductivity	μs/cm	Upon			4				
10	TOC	mg/L	discharge			507 Hot y	et constructed	4		
	Conductivity	μs/cm		1	1-Mar-13	12-Mar-13	-	-	-	195
	тос	mg/L	Quarterly –	1	1-Mar-13	12-Mar-13	-	-	-	6
19	Oil & Grease	mg/L	Upon	1	1-Mar-13	12-Mar-13	-	-	-	<5
	рН	рН	discharge	1	1-Mar-13	12-Mar-13	-	-	-	7.13
	TSS	mg/L		1	1-Mar-13	12-Mar-13	-	-	-	750
	Conductivity	μs/cm		1	1-Mar-13	12-Mar-13	-	-	-	89
	TOC	mg/L	Quarterly –	1	1-Mar-13	12-Mar-13	-	-	-	16
20	Oil & Grease	mg/L	Upon	1	1-Mar-13	12-Mar-13	-	-	-	<5
	рН	pН	discharge	1	1-Mar-13	12-Mar-13	-	-	-	6.83
	TSS	mg/L		1	1-Mar-13	12-Mar-13	-	-	-	322
	Conductivity	μs/cm		1	1-Mar-13	12-Mar-13	-	-	-	54
	TOC	mg/L	Quarterly –	1	1-Mar-13	12-Mar-13	-	-	-	10
21	Oil & Grease	mg/L	Upon	1	1-Mar-13	12-Mar-13	-	-	-	<5
	рН	pН	discharge	1	1-Mar-13	12-Mar-13	-	-	-	6.83
	TSS	mg/L		1	1-Mar-13	12-Mar-13	-	-	-	358
	Conductivity	μs/cm		1	1-Mar-13	12-Mar-13	-	-	-	55
	TOC	mg/L	Quarterly –	1	1-Mar-13	12-Mar-13	-	-	-	8
22	Oil & Grease	mg/L	Upon discharge	1	1-Mar-13	12-Mar-13	-	-	-	<5
	рН	pН		1	1-Mar-13	12-Mar-13	-	-	-	6.78
	TSS	mg/L	1	1	1-Mar-13	12-Mar-13	-	-	-	234



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	Linen	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uiscilaige	0						6.5-8.5		
	TSS	mg/L	Linen	0						50		
12	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD5
	рН	рН		0						6.5-8.5		
	TSS	mg/L	Linen	0						50		
13	Oil & Grease	mg/L	Upon	0						10		Dam – SD2
	рН	рН	discharge	0						6.5-8.5		
	TSS	mg/L	Upon discharge									
18	Oil & Grease	mg/L		SD7 not yet constructed								
	рН	рН										

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}	LA1 (1 min) Night					
	8-Mar-13	Inaudible	Inaudible	25	38	<u>Day, Evening</u> <u>& Night:</u>	Day – 1.5 hrs	Yes	Yes	Results are NM* sources
N1	9-Mar-13	Inaudible	Inaudible	Inaudible	n/a	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	10-Mar-13	<25	Inaudible	22	32	L _{A1 (1 min)} : 45	Night – 1 hr	Yes	Yes	Results are NM sources
	8-Mar-13	Inaudible	Inaudible	26	30	<u>Day, Evening</u> <u>& Night:</u>	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N3	9-Mar-13	Inaudible	Inaudible	Inaudible	n/a	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	10-Mar-13	Inaudible	Inaudible	28	35	L _{A1 (1 min)} : 45	Night – 1 hr	Yes	Yes	Results are NM sources



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
	8-Mar-13	Inaudible	Inaudible	<20	25	<u>Day, Evening</u> <u>& Night:</u>	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N5	9-Mar-13	Inaudible	Inaudible	25	33	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	10-Mar-13	Inaudible	Inaudible	Inaudible	n/a	L _{A1 (1 min)} : 45	Night – 1 hr	Yes	Yes	Results are NM sources
N6	8-Mar-13	32	32	36	41	<u>Day, Evening</u> <u>& Night:</u> 35 <u>Night</u> L <u>A1 (1 min):</u>	Day – 1.5 hrs Evening – 0.5 hrs	Yes	Yes	Results are NM sources. Monitoring undertaken at mine boundary therefore levels at residence will be lower than reported.
	9-Mar-13	32	31	29	33	45	Night – 1 hr	Yes	Yes	Results are NM sources
	10-Mar-13	34	33	32	36			Yes	Yes	Results are NM sources
	8-Mar-13	Inaudible	28	<15	20	<u>Day, Evening</u> <u>& Night:</u>	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N7	9-Mar-13	Inaudible	Inaudible	Inaudible	n/a	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	10-Mar-13	<20	35	Inaudible	n/a	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources
N8			nitoring at N8 to co	ommence when	surface activitie	es approach the e	astern end of the s	outhern longw	vall panels.	

* NM = Narrabri Mine







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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: April 2013 Publication Date: 3rd May 2013

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	15-Apr-13	22-Apr-13	N/A	N/A	N/A	1.3
11	Conductivity	μs/cm	Upon	0						
11	тос	mg/L	discharge	0						
12	Conductivity	μs/cm	Upon	0						
12	тос	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
	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	requercy	0	Sumpicu	Obtained		Value	Value	
	тос	mg/L	Quarterly –	0						
16	Oil & Grease	mg/L	Upon	0						+
	рН	pH	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						
	Conductivity	μs/cm	Upon						1	.4
18	TOC	mg/L	discharge	SD7 not yet constructed						
	Conductivity	μs/cm		0						
	тос	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						
	тос	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	тос	mg/L	Quarterly – Upon discharge	0						
22	Oil & Grease	mg/L		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	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	Linen	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН		0						6.5-8.5		
	TSS	mg/L	Linen	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	0						10		Dam – SD2
	рН	рН	discharge	0						6.5-8.5		
	TSS	mg/L	Upon discharge									
18	Oil & Grease	mg/L		SD7 not yet constructed								
	рН	рН										

Table 3 – Monitoring (Quarterly Atten	ded Noise – Limits Apply)
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EPL ID	Date	Measured Levels –	Measured	Measured Levels –	Measured Levels –	Limit(s)	Measurement Periods	Weather	Compliant	Comments
		dB(A)	Levels – dB(A) L _{eq 15min Evening}	dB(A)	dB(A)		Penous	Compliant Conditions	(Yes/No)	
		L _{eq 15min Day}		L _{eq 15min Night}	LA1 (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>				
						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
		Leq 15min Day		L _{eq 15} min Night	LA1 (1 min) Night					
	Not					Day, Evening	Day – 1.5 hrs			
	required					<u>& Night:</u>				
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			
NO						<u>Night</u>	hrs			
						L _{A1 (1 min)} :				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	required					<u>& Night:</u>				
	-					35	Evening – 0.5			
N7						<u>Night</u>	hrs			
						L _{A1 (1 min)} :				
						45	Night – 1 hr			
N8		Monito	oring at N8 to com	mence when su	rface activities a	approach the east	ern end of the sou	thern longwall	panels.	







Site Information

EPL No: 12789

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EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	15-May-13	21-May-13	N/A	N/A	N/A	0.6
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
12	Conductivity	μs/cm	Upon	0						
12	TOC	mg/L	discharge	0						
10	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	requercy	0	Sumpicu	Obtained		Value	Value	
	тос	mg/L	Quarterly –	0						
16	Oil & Grease	mg/L	Upon	0						+
	рН	pH	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						
	Conductivity	μs/cm	Upon						1	.4
18	TOC	mg/L	discharge			SD7 not y	et constructed	1		
	Conductivity	μs/cm		0						
	тос	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						
	тос	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	тос	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	Linen	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Linen	0						50		
12	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD5
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	L I I I I I I I I I I I I I I I I I I I	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Linen									
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet const	tructed			
	рН	рН	uischarge									

Table 3 – Monitoring (Quarterly Attended Noise – Limits Apply)	Table 3 – Monitoring	Quarterly Attended	Noise – Limits Apply)
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EPL ID	Date	Measured Levels – dB(A)	Measured Levels – dB(A) L _{eg 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					<u>& Night:</u>				
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					<u>& Night:</u>				
N3						35	Evening – 0.5			
IN 5						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			



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
	Not				/ 12 (2)B	Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
						35	Evening – 0.5			
N5						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u> 45	Night 1 hr			
	Net						Night – 1 hr			
	Not Required					<u>Day, Evening</u> <u>& Night:</u>	Day – 1.5 hrs			
						35	Evening – 0.5			
N6						Night	hrs			
						L _{A1 (1 min)} :				
						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		<u>Monito</u>	pring at N8 to com	<u>mence when su</u>	rface activities a	approach the east	ern end of the sou	thern longwall	panels.	







Site Information

EPL No: 12789

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Publication Date: 10th July 2013

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-Jun-13	25-Jun-13	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	0						
12	тос	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	inequency	0	Sumpicu	Obtained		Value	Value	
	тос	mg/L	Quarterly –	0						
16	Oil & Grease	mg/L	Upon	0						+
	рН	pH	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						
	Conductivity	μs/cm	Upon						1	.4
18	TOC	mg/L	discharge			SD7 not y	et constructed	1		
	Conductivity	μs/cm		0						
	тос	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						
	тос	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	тос	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	Linen	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Linen	0						50		
12	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD5
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Lin en	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Linen									
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet const	tructed			
	рН	рН	uischarge									

Table 3 – Monitoring (Qu	arterly Attended Noise – Limits Apply)
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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}	LA1 (1 min) Night					
	23-Jun-13	Inaudible	Inaudible	<30	<35	<u>Day, Evening</u> <u>& Night:</u>	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N1	24-Jun-13	Inaudible	35	39	43	35 <u>Night</u>	Evening – 0.5 hrs	No – Inversion	Yes	Results are NM sources
	25-Jun-13	Inaudible	Inaudible	22	32	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources
	23-Jun-13	Inaudible	Inaudible	Inaudible	Inaudible	<u>Day, Evening</u> <u>& Night:</u>	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N3	24-Jun-13	31	35	34	38	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	25-Jun-13	Inaudible	Inaudible	28	35	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources



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
	23-Jun-13	Inaudible	Inaudible	Inaudible	25	Day, Evening <u>& Night:</u>	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N5	24-Jun-13	<30	Inaudible	<25	<35	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	25-Jun-13	Inaudible	Inaudible	Inaudible	n/a	L _{A1 (1 min)} : 45	Night – 1 hr	Yes	Yes	Results are NM sources
	23-Jun-13	34	36	35	42	<u>Day, Evening</u> <u>& Night:</u>	Day – 1.5 hrs	No – Inversion	Yes	Results are NM sources. Monitoring undertaken at mine boundary
N6	24-Jun-13	36	40	42	45	35 <u>Night</u> L _{A1 (1 min)} : 45	Evening – 0.5 hrs Night – 1 hr	Yes	Yes	therefore levels at residence will be lower than reported.
	25-Jun-13	Inaudible	33	32	36			No – Inversion	Yes	Results are NM sources
	23-Jun-13	<30	<30	<30	<35	<u>Day, Evening</u> <u>& Night:</u>	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N7	24-Jun-13	Inaudible	34	34	38	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	25-Jun-13	<25	35	Inaudible	n/a	L <u>A1 (1 min)</u> : 45	Night – 1 hr	Yes	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 longwall	panels.	







Site Information

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Sampling Period: July 2013

Publication Date: 4th September 2013

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-Jul-13	22-Jul-13	N/A	N/A	N/A	0.6
11	Conductivity	μs/cm	Upon	0						
11	тос	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						
	тос	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	inequency	0	Sumpicu	Obtained		Value	Value	
	тос	mg/L	Quarterly –	0						
16	Oil & Grease	mg/L	Upon discharge	0						+
	рН	pH		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						1	
18	TOC	mg/L	discharge			SD7 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						



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	Linen	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Upon discharge	0						50		
12	Oil & Grease	mg/L		0						10		Dam – SD5
	рН	рН		0						6.5-8.5		
	TSS	mg/L		0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН		0						6.5-8.5		
	TSS	mg/L	Upon discharge									
18	Oil & Grease	mg/L		SD7 not yet constructed								
	рН	рН										

Table 3 – Monitoring (Quarterly Atten	ded Noise – Limits Apply)
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EPL	Date	Measured	Measured	Measured	Measured	Limit(s)	Measurement	Weather	Compliant	Comments
ID		Levels – dB(A)	Levels – dB(A) L _{eq 15min Evening}	Levels – dB(A)	Levels – dB(A)		Periods	Compliant Conditions	(Yes/No)	
		L _{eq 15min Day}		L _{eq 15min Night}	LA1 (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			
113						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			



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
	Not	cq Ishin buy				Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
						35	Evening – 0.5			
N5						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					<u>Day, Evening</u>	Day – 1.5 hrs			
	Required					<u>& Night:</u>				
N6						35	Evening – 0.5			
						<u>Night</u>	hrs			
						L _{A1 (1 min)} : 45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					<u>& Night:</u>	Duy 1.5 m3			
	neganea					35	Evening – 0.5			
N7						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
N8		<u>Monito</u>	oring at N8 to com	<u>mence when su</u>	rface activities a	approach the east	ern end of the sou	<u>thern longwall</u>	panels.	







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 2013

Publication Date: 10th September 2013

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	15-Aug-13	20-Aug-13	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						
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 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	inequency	0	Sumpicu	Obtained		Value	Value	
	тос	mg/L	Quarterly –	0						
16	Oil & Grease	mg/L	Upon	0						+
	рН	pH	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						
	Conductivity	μs/cm	Upon						1	.4
18	TOC	mg/L	discharge			SD7 not y	et constructed	1		
	Conductivity	μs/cm		0						
	тос	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						
	тос	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	тос	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	Linen	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Linen	0						50		
12	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD5
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L		0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Linen	SD7 not yet constructed								
18	Oil & Grease	mg/L	Upon discharge									
	рН	рН										

Table 3 – Monitoring (Quarterly Atten	ded Noise – Limits Apply)
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EPL	Date	Measured	Measured	Measured	Measured	Limit(s)	Measurement	Weather	Compliant	Comments
ID		Levels – dB(A)	Levels – dB(A) L _{eq 15min Evening}	Levels – dB(A)	Levels – dB(A)		Periods	Compliant Conditions	(Yes/No)	
		L _{eq 15min Day}		L _{eq 15min Night}	LA1 (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			
IN 5						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			



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
	Not	cq Ishin buy				Day, Evening	Day – 1.5 hrs			
	Required					& Night:				
	-					35	Evening – 0.5			
N5						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
	Not					<u>Day, Evening</u>	Day – 1.5 hrs			
	Required					<u>& Night:</u>				
N6						35	Evening – 0.5			
						<u>Night</u>	hrs			
						L _{A1 (1 min)} : 45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	Required					<u>& Night:</u>	Duy 1.5 m3			
	neganea					35	Evening – 0.5			
N7						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
N8		<u>Monito</u>	oring at N8 to com	<u>mence when su</u>	rface activities a	approach the east	ern end of the sou	<u>thern longwall</u>	panels.	







Site Information

EPL No: 12789

EPA Website Link: <u>http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=33125&SYSUID=1&LICID=12789</u>

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 2013

Publication Date: 11th October 2013

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-Sep-13	24-Sep-13	N/A	N/A	N/A	0.5
11	Conductivity	μs/cm	Upon	0						
11	тос	mg/L	discharge	0						
12	Conductivity	μs/cm	Upon	0						
12	тос	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
13	тос	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	requercy	0	Sumpicu	Obtained		Value	Value	
	тос	mg/L	Quarterly –	0						
16	Oil & Grease	mg/L	Upon	0						+
	рН	pH	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						
	Conductivity	μs/cm	Upon						1	.4
18	TOC	mg/L	discharge			SD7 not y	et constructed	1		
	Conductivity	μs/cm		0						
	тос	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						
	тос	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	тос	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	Linen	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Linen	0						50		
12	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD5
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Linen	0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	110.00									
18	Oil & Grease	mg/L	Upon discharge	SD7 not yet constructed								
	pH pH uscharge											

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
		Leq 15min Day		L _{eq 15min Night}	LA1 (1 min) Night					
	22-Sep-13	Inaudible	36	38	46	<u>Day, Evening</u> <u>& Night:</u>	Day – 1.5 hrs	Yes	No	Results are NM sources
N1	23-Sep-13	Inaudible	Inaudible	30	37	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	24-Sep-13	Inaudible	34	Inaudible	N/A	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources
	22-Sep-13	25	<30	41	50	<u>Day, Evening</u> <u>& Night:</u>	Day – 1.5 hrs	Yes	No	Results are NM sources
N3	23-Sep-13	32	31	35	39	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	24-Sep-13	35	24	Inaudible	N/A	L _{A1 (1 min)} : 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) 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
	22-Sep-13	Inaudible	31	33	42	Day, Evening <u>& Night:</u>	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N5	23-Sep-13	Barely audible	30	30	37	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	24-Sep-13	Inaudible	Inaudible	25	30	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Yes	Yes	Results are NM sources
	22-Sep-13	29	29	36	39			Yes	Yes	Results are NM sources. Monitoring undertaken at mine boundary therefore
N6	23-Sep-13	N/A	N/A	N/A	N/A	<u>Day, Evening</u> <u>& Night:</u> 35 <u>Night</u> L <u>A1 (1 min):</u> 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr	N/A	N/A	levels at residence will be lower than reported. Monitoring only
	24-Sep-13	N/A	N/A	N/A	N/A			N/A	N/A	undertaken on 22 September as no access due to mine road closure.
	22-Sep-13	Inaudible	Inaudible	34	38	<u>Day, Evening</u> <u>& Night:</u>	Day – 1.5 hrs	Yes	Yes	Results are NM sources
N7	23-Sep-13	Inaudible	Inaudible	Inaudible	N/A	35 <u>Night</u>	Evening – 0.5 hrs	Yes	Yes	Results are NM sources
	24-Sep-13	Inaudible	31	34	40	L _{A1 (1 min)} : 45	Night – 1 hr	Yes	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 longwall	panels.	







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: October 2013

Publication Date: 8th November 2013

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-Oct-13	21-Oct-13	N/A	N/A	N/A	0.3
11	Conductivity	μs/cm	Upon	0						
11	тос	mg/L	discharge	0						
12	Conductivity	μs/cm	Upon	0						
12	TOC	mg/L	discharge	0						
10	Conductivity	μs/cm	Upon	0						
13	тос	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	тос	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon 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	inequency	0	Sumpicu	Obtained		Value	Value	
	тос	mg/L	Quarterly –	0						
16	Oil & Grease	mg/L	Upon	0						+
	рН	pH	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						
	Conductivity	μs/cm	Upon						1	.4
18	TOC	mg/L	discharge			SD7 not y	et constructed	1		
	Conductivity	μs/cm		0						
	тос	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						
	тос	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	тос	mg/L	Quarterly –	0						
22	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	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	Linen	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Linen	0						50		
12	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD5
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L		0						50		
13	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD2
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Linen									
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet const	tructed			
	рН	рН	uischarge									

Table 3 – Monitoring (Quarterly Atten	ded Noise – Limits Apply)
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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}	LA1 (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			
113						<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 15} min Night	L _{A1 (1 min) Night}	Day, Evening	Day – 1.5 hrs			
	required					<u>& Night:</u>	Day - 1.5 ms			
	required					35	Evening – 0.5			
N5						<u>Night</u>	hrs			
							111.5			
						<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr			
	Net						-			
	Not					Day, Evening	Day – 1.5 hrs			
	required					& Night:				
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			
117						<u>Night</u>	hrs			
						<u>L_{A1 (1 min)}:</u>				
						45	Night – 1 hr			
N8		Monito	pring at N8 to com	mence when su	rface activities a	approach the east	ern end of the sou	thern longwall	panels.	







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: November 2013

Publication Date: 4th December 2013

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-13	22-Nov-13	N/A	N/A	N/A	0.6
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
12	Conductivity	μs/cm	Upon	0						
12	тос	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 Oi	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	requercy	0	Sumpicu	Obtained		Value	Value	
	тос	mg/L	Quarterly –	0						
16	Oil & Grease	mg/L	Upon	0						+
	рН	pH	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						
	Conductivity	μs/cm	Upon						1	.4
18	TOC	mg/L	discharge			SD7 not y	et constructed	1		
	Conductivity	μs/cm		0						
	тос	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						
	тос	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	тос	mg/L	Quarterly –	0						
22	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	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	Linen	0						50		
11	Oil & Grease	mg/L	Upon discharge	0						10		Dam – SD4
	рН	рН	uischarge	0						6.5-8.5		
	TSS	mg/L	Linen	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	11									
18	Oil & Grease	mg/L	Upon discharge				SD7 no	t yet const	tructed			
рН	рН	рН	discharge									

Table 3 – Monitoring (Quarterly Atten	ded Noise – Limits Apply)
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EPL ID	Date	Measured Levels –	Measured	Measured Levels –	Measured Levels –	Limit(s)	Measurement Periods	Weather	Compliant	Comments
		dB(A)	Levels – dB(A) L _{eq 15min Evening}	dB(A)	dB(A)		Penous	Compliant Conditions	(Yes/No)	
		L _{eq 15min Day}		L _{eq 15min Night}	LA1 (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>				
						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
		Leq 15min Day		L _{eq 15} min Night	LA1 (1 min) Night					
	Not					Day, Evening	Day – 1.5 hrs			
	required					<u>& Night:</u>				
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			
NO						<u>Night</u>	hrs			
						L _{A1 (1 min)} :				
						45	Night – 1 hr			
	Not					Day, Evening	Day – 1.5 hrs			
	required					<u>& Night:</u>				
	-					35	Evening – 0.5			
N7						<u>Night</u>	hrs			
						L _{A1 (1 min)} :				
						45	Night – 1 hr			
N8		Monito	oring at N8 to com	mence when su	rface activities a	approach the east	ern end of the sou	thern longwall	panels.	







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: December 2013

Publication Date: 13th 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-13	30-Dec-13	N/A	N/A	N/A	0.5
11	Conductivity	μs/cm	Upon	0						
11	тос	mg/L	discharge	0						
12	Conductivity	μs/cm	Upon	0						
12	тос	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 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	Quarterly – Upon discharge	0	Sumpicu	Obtained		Value	Value					
	тос	mg/L		0										
16	Oil & Grease	mg/L		0						+				
	рН	pH		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										
	Conductivity	μs/cm	Upon	SD7 not yet constructed										
18	TOC	mg/L	discharge											
	Conductivity	μs/cm	Quarterly – Upon discharge	0										
	TOC	mg/L		0						1				
19	Oil & Grease	mg/L		0						1				
	рН	рН		0						1				
	TSS	mg/L		0										
	Conductivity	μs/cm	Quarterly – Upon discharge	0										
	TOC	mg/L		0										
20	Oil & Grease	mg/L		0										
	pН	рН		0										
	TSS	mg/L		0										
	Conductivity	μs/cm		0										
	TOC	mg/L	Quarterly –	0										
21	Oil & Grease	mg/L	Upon	0										
	рН	рН	discharge	0										
	TSS	mg/L		0										
	Conductivity	μs/cm	Quarterly – Upon discharge	0										
	TOC	mg/L		0										
22	Oil & Grease	mg/L		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	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	Upon discharge	0						50		Dam – SD4
11	Oil & Grease	mg/L		0						10		
	рН	рН		0						6.5-8.5		
	TSS	mg/L	Upon discharge	0						50		Dam – SD5
12	Oil & Grease	mg/L		0						10		
	рН	рН		0						6.5-8.5		
	TSS	mg/L	Upon discharge	0						50		
13	Oil & Grease	mg/L		0						10		Dam – SD2
	рН	рН		0						6.5-8.5		
	TSS	mg/L	Upon discharge									
18	Oil & Grease	mg/L		SD7 not yet constructed								
	рН	рН										

Table 3 – Monitoring (Quarte	rly Attended Noise – Limits Apply)
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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
		Leq 15min Day		L _{eq 15min Night}	LA1 (1 min) Night					
	10-Dec-13	Inaudible	31	28	32	<u>Day, Evening</u> <u>& Night:</u>	Day – 1.5 hrs	No	Yes	Results are NM sources.
N1	11-Dec-13	28	34	35	44	35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	Results are NM sources.
	12-Dec-13	Inaudible	23	36	43	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No	Yes	Results are NM sources.
	10-Dec-13	30	23	22	25	<u>Day, Evening</u> <u>& Night:</u>	Day – 1.5 hrs	No	Yes	Results are NM sources.
N3	11-Dec-13	Inaudible	36	30	37	35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	Results are NM sources.
	12-Dec-13	Inaudible	34	37	46	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	No	Yes	Results are NM sources.



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
	10-Dec-13	25	Inaudible	Inaudible	Inaudible	<u>Day, Evening</u> <u>& Night:</u>	Day – 1.5 hrs	No	Yes	Results are NM sources.
N5	11-Dec-13	25	Barely Audible	Inaudible	Inaudible	35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	Results are NM sources.
	12-Dec-13	29	31	Inaudible	Inaudible	L <u>A1 (1 min)</u> : 45	Night – 1 hr	No	Yes	Results are NM sources.
	10-Dec-13	Inaudible	30	30	33	Day, Evening	Day – 1.5 hrs	No	Yes	Results are NM sources. Monitoring undertaken
N6	11-Dec-13	32	29	32	36	<u>& Night:</u> 35 <u>Night</u> L <u>A1 (1 min)</u> :	Evening – 0.5 hrs	No	Yes	at mine boundary therefore levels at
	12-Dec-13	35	18	35	41	45	Night – 1 hr	No	Yes	residence will be lower than reported.
	10-Dec-13	Inaudible	Inaudible	32	41	<u>Day, Evening</u> <u>& Night:</u>	Day – 1.5 hrs	No	Yes	Results are NM sources.
N7	11-Dec-13	31	31	28	36	35 <u>Night</u>	Evening – 0.5 hrs	No	Yes	Results are NM sources.
	12-Dec-13	24	Inaudible	35	41	L _{A1 (1 min)} : 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	tern end of the sou	thern longwall	panels.	



