

Site Information

EPL No: 12789

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

Licensee: Narrabri Coal Operations Pty Ltd

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

EPL Monitoring Points: See Figure 1 below

Sampling Period: 15 January 2020 Obtained Date: 21 January 2020 Publication Date: 28 January 2020

Table 1 – No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	15-Jan-20	21-Jan-20	NA	NA	NA	4.5
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
13	TOC	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
16	Conductivity	μs/cm		0						

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
	TOC	mg/L		0						
	Oil & Grease	mg/L	Quarterly –	0						
	рН	рН	Upon discharge	0						
	TSS	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon							
10	TOC	mg/L	discharge							
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	1	0						
	Conductivity	μs/cm	Quarterly –	0						
22	TOC	mg/L	Upon	0						
	Oil & Grease	mg/L	discharge	0						



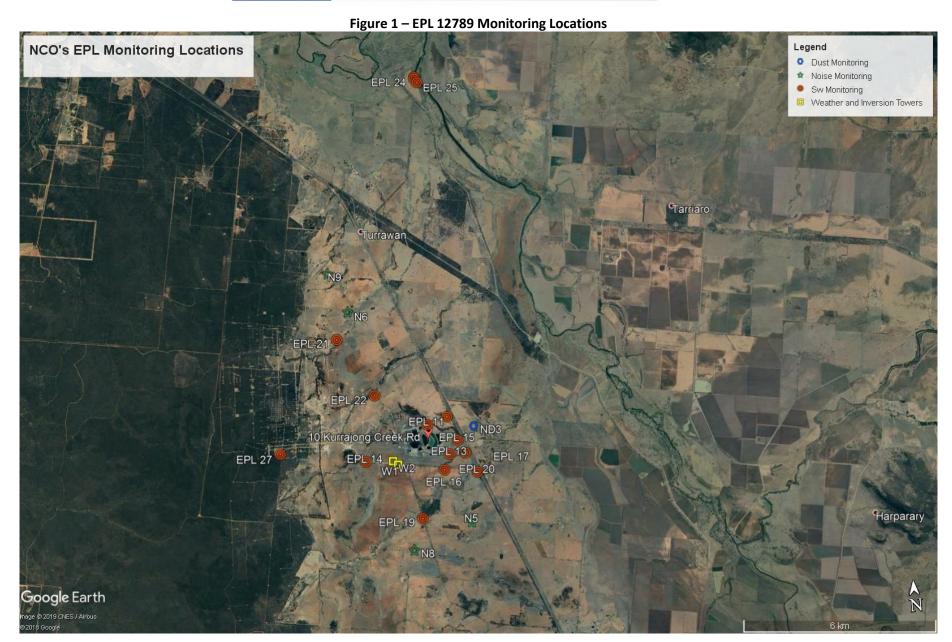
EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
	рН	рН		0						
	TSS	mg/L		0						

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Max Value	EPL Limit	Exceedance (Yes/No)	Comments
	TSS	mg/L	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		
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	uiscilarge									



Table 3 – Monitoring (Quarterly Attended Noise – Limits Apply

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) LA1 (1 min) Night	Limit(s)	Measureme nt Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	Not required					Day, Evening & Night: 35 Night LA1 (1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				
N6	Not required					Day, Evening & Night: 35 Night LA1 (1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				
N8	Not required					Day, Evening & Night: 35 Night LA1 (1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				
N9	Not required					Day, Evening & Night: 35 Night LA1 (1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				





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Licensee: Narrabri Coal Operations Pty Ltd

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

EPL Monitoring Points: See Figure 1 below

Sampling Period: 13 February 2020 Obtained Date: 24 February 2020 Publication Date: 12 March 2020

Table 1 – No Pollutant Limits Apply

		I	1		Poliutant Lin			1	1	1
EPL ID	Pollutant	Units of	Monitoring	No. of Samples	Date	Date	Min	Mean	Median	Max or
	Tonatant	Measure	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	13-Feb-20	24-Feb-20	NA	NA	NA	9.7
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
15	TOC	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	1	0						
16	Conductivity	μs/cm		0						

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
	TOC	mg/L		0						
	Oil & Grease	mg/L	Quarterly –	0						
-	рН	рН	Upon discharge	0						
	TSS	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon							
10	TOC	mg/L	discharge							
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	1	0						
	Conductivity	μs/cm	Quarterly –	0						
22	TOC	mg/L	Upon	0						
	Oil & Grease	mg/L	discharge	0						



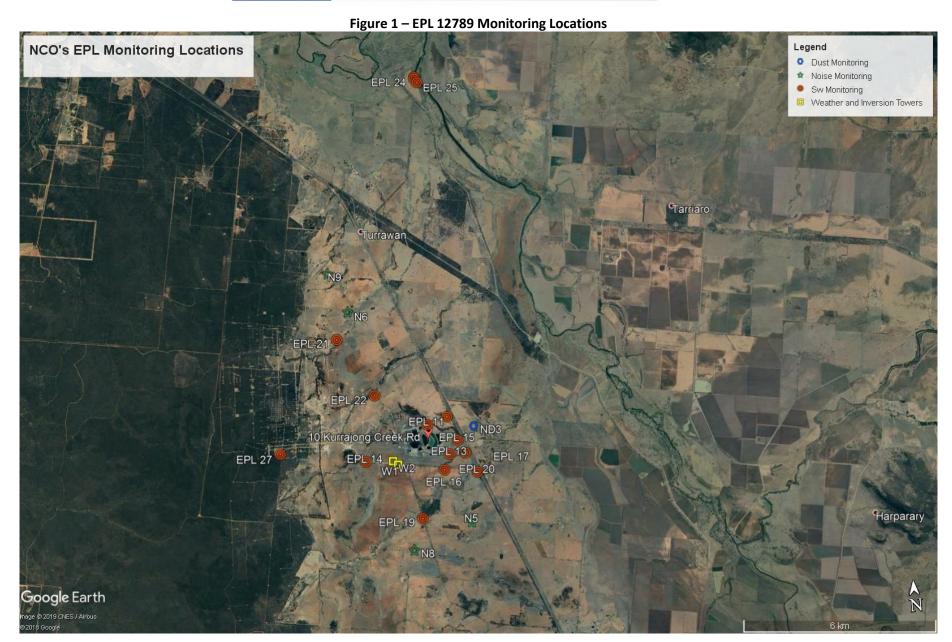
EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
	рН	рН		0						
	TSS	mg/L		0						

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



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

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) LA1 (1 min) Night	Limit(s)	Measureme nt Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	Not required					Day, Evening & Night: 35 Night LA1 (1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				
N6	Not required					Day, Evening & Night: 35 Night LA1 (1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				
N8	Not required					Day, Evening & Night: 35 Night LA1 (1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				
N9	Not required					Day, Evening & Night: 35 Night LA1 (1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				





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Licensee: Narrabri Coal Operations Pty Ltd

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

EPL Monitoring Points: See Figure 1 below

Sampling Period: 13 March 2020 Obtained Date: 24 March 2020 Publication Date: 30 March 2020

Table 1 – No Pollutant Limits Apply

			I		Poliutant Lini				T	1
EPL ID	Pollutant	Units of	Monitoring	No. of Samples	Date	Date	Min	Mean	Median	Max or
		Measure	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	13-Mar-20	24-Feb-20	NA	NA	NA	1.3
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
13	TOC	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L]	0						
16	Conductivity	μs/cm		0						

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
	TOC	mg/L		0						
	Oil & Grease	mg/L	Quarterly –	0						
-	рН	рН	Upon discharge	0						
	TSS	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon							
10	TOC	mg/L	discharge							
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	1	0						
	Conductivity	μs/cm	Quarterly –	0						
22	TOC	mg/L	Upon	0						
	Oil & Grease	mg/L	discharge	0						



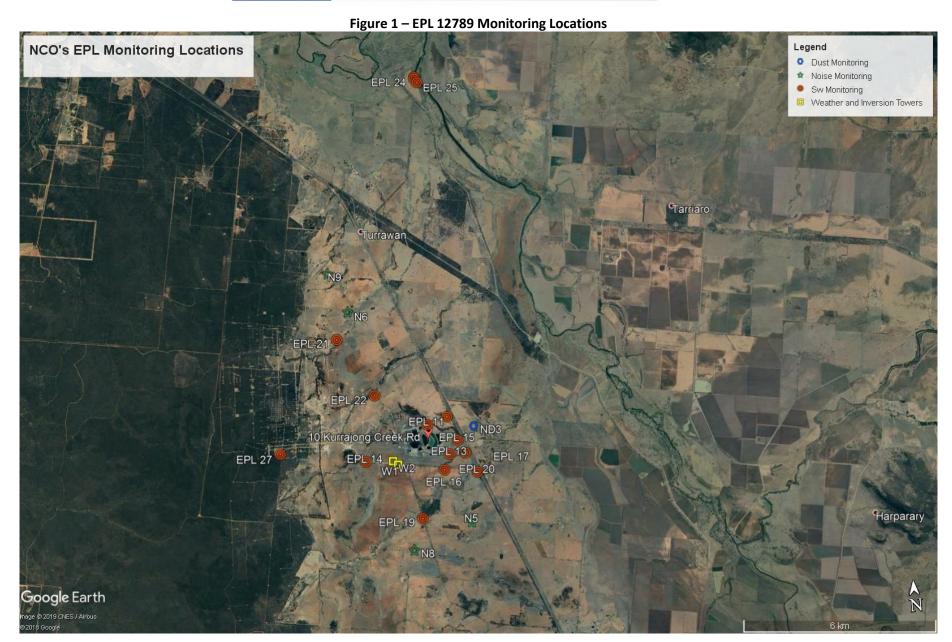
EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
	рН	рН		0						
	TSS	mg/L		0						

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



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

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) LA1 (1 min) Night	Limit(s)	Measureme nt Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	Not required					Day, Evening & Night: 35 Night LA1 (1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				
N6	Not required					Day, Evening & Night: 35 Night LA1 (1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				
N8	Not required					Day, Evening & Night: 35 Night LA1 (1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				
N9	Not required					Day, Evening & Night: 35 Night LA1 (1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				





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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 2020

Obtained Date: 22nd and 27th of April 2020

Publication Date: 30 April 2020

Table 1 - No Pollutant Limits Apply

EPL ID	Pollutant	Units of	Monitoring	No. of Samples	Date	Date	Min	Mean	Median	Max or
LILID	ronatant	Measure	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	14-Apr-20	22-Apr-20	NA	NA	NA	1.8
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
15	TOC	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
16	Conductivity	μs/cm		0						

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
	TOC	mg/L		0						
	Oil & Grease	mg/L	Quarterly –	0						
	рН	рН	Upon discharge	0						
	TSS	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon							
10	TOC	mg/L	discharge					_	_	
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	pН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	1	0						
	Conductivity	μs/cm	Quarterly –	0						
22	TOC	mg/L	Upon	0						
	Oil & Grease	mg/L	discharge	0						



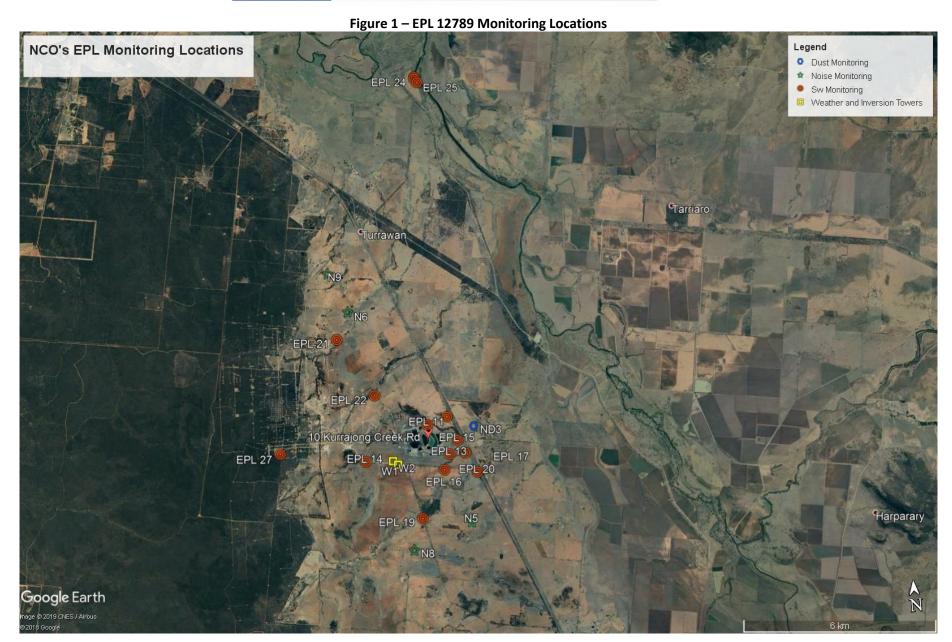
EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
	рН	рН		0						
	TSS	mg/L		0						

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



Table 3 – Quarterly Attended Noise Monitoring results summary table (report received 27 April 2020)

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)	Measureme nt Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	24/03/20	I/A	25	25	27	Day, Evening & Night:	Day – 1.5 hrs	Y/Y/Y	Y		29/04/2020
	25/03/20	31	I/A	N/M	N/M	35 <u>Night</u> L _{A1 (1 min)} :	Evening – 0.5 hrs	Y/Y/Y	Y		29/04/2020
	26/03/20	I/A	I/A	I/A	I/A	45	Night – 1 hr	Y/N/N	Y		29/04/2020
N6	24/03/20	27	N/M	I/A	I/A	Day, Evening & Night:	Day – 1.5 hrs	N/Y/Y	Y		29/04/2020
	25/03/20	N/M	N/M	26	30	35 <u>Night</u>	Evening – 0.5 hrs	Y/Y/N	Y		29/04/2020
	26/03/20	25	N/M	N/M	N/M	L _{A1 (1 min)} : 45	Night – 1 hr	Y/N/N	Y		29/04/2020
N8	24/03/20	26	<25	27	28	Day, Evening & Night: 35	Day – 1.5 hrs	Y/Y/Y	Y		29/04/2020
	25/03/20	27	34 ¹	30	33	Night La1 (1 min):	Evening – 0.5 hrs	Y/Y/Y	Y		29/04/2020
	26/03/20	<25	I/A	I/A	I/A	45	Night – 1 hr	N/N/N	Y		29/04/2020
N9	24/03/20	<25	I/A	N/M	N/M	Day, Evening & Night:	Day – 1.5 hrs	N/Y/Y	Y		29/04/2020
	25/03/20	I/A	27	27	29	35 <u>Night</u> L _{A1 (1 min)} :	Evening – 0.5 hrs	Y/Y/N	Y		29/04/2020
	26/03/20	27	25	<25	26	45	Night – 1 hr	N/N/N	Y		29/04/2020





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Licensee: Narrabri Coal Operations Pty Ltd

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

EPL Monitoring Points: See Figure 1 below

Sampling Period:May 2020Obtained Date: 22^{nd} May 2020Publication Date: 28^{th} May 2020

Table 1 – No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	13 May 20	22 May 20	NA	NA	NA	1.3
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
13	TOC	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
16	Conductivity	μs/cm		0						

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
	TOC	mg/L		0						
	Oil & Grease	mg/L	Quarterly –	0						
	рН	рН	Upon discharge	0						
	TSS	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon							
10	TOC	mg/L	discharge							
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	1	0						
	Conductivity	μs/cm	Quarterly –	0						
22	TOC	mg/L	Upon	0						
	Oil & Grease	mg/L	discharge	0						



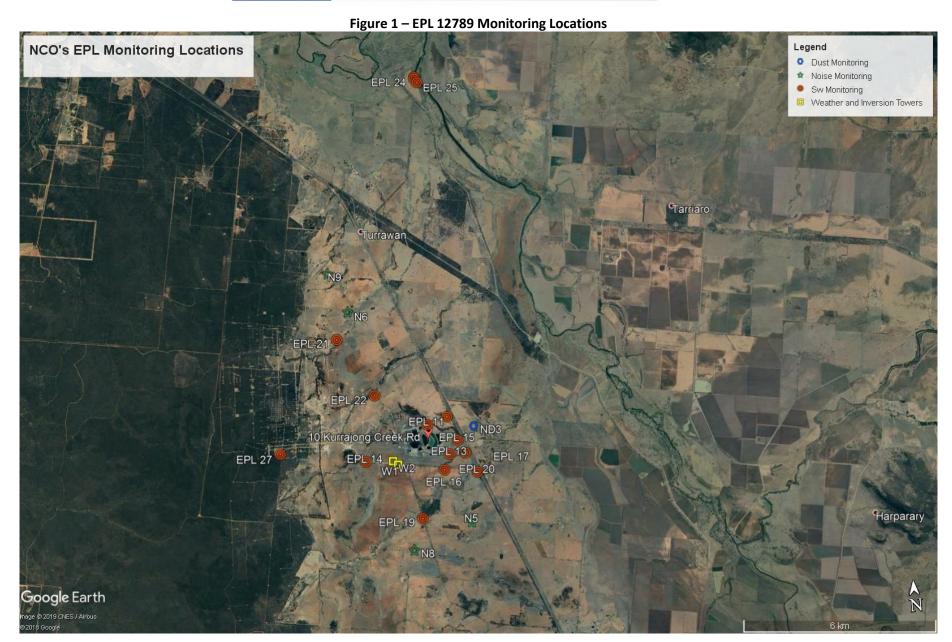
EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
	рН	рН		0						
	TSS	mg/L		0						

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



Table 3 – Quarterly Attended Noise Monitoring results summary table (report received 27 April 2020)

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)	Measureme nt Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	Not Required					-					
N6	Not Required					-					
N8	Not Required										
N9	Not Required										





Site Information

EPL No: 12789

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

Licensee: Narrabri Coal Operations Pty Ltd

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

EPL Monitoring Points: See Figure 1 below

Sampling Period:June 2020Obtained Date:23 June 2020Publication Date:06 July 2020

Table 1 – No Pollutant Limits Apply

EPL ID	Pollutant	Units of	Monitoring	No. of Samples	Date Date	Date	Min	Mean	Median	Max or
		Measure	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	12 June 2020	23 June 2020	NA	NA	NA	0.8
11	Conductivity	μs/cm	Upon	0						
11	TOC	mg/L	discharge	0						
13	Conductivity	μs/cm	Upon	0						
15	TOC	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
16	Conductivity	μs/cm		0						

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
	TOC	mg/L		0						
	Oil & Grease	mg/L	Quarterly –	0						
-	рН	рН	Upon discharge	0						
	TSS	mg/L	discharge	0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon							
10	TOC	mg/L	discharge							
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge Quarterly –	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
22	TOC	mg/L	Upon	0						
	Oil & Grease	mg/L	discharge	0						



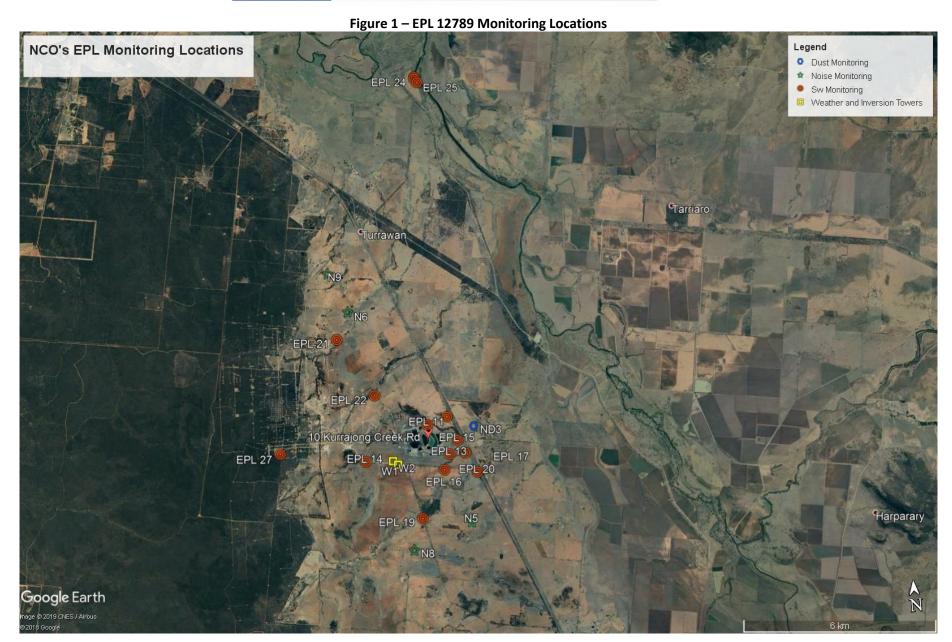
EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
	рН	рН		0						
	TSS	mg/L		0						

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



Table 3 – Quarterly Attended Noise Monitoring results summary table

EPL ID	Date	Measured Levels – dB(A) Leq 15min Day	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A) L _{eq 15min Night}	Measured Levels – dB(A) LA1 (1 min) Night	Limit(s)	Measureme nt Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5											
	ts not rting.										
	Resul repo										
	June. onthly										
N6	:3-26 . Jly mc										
	riod 2 d in Ju										
	rer pe clude										
N8	:PL ov be in										
	d by E d will										
	equire ng, an										
	l as re portii										
	oleted of re										
N9	Monitoring completed as required by EPL over period 23-26 June. Results not available at time of reporting, and will be included in July monthly reporting.										
	lonit ivaila										
	2 10										





Site Information

EPL No: 12789

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

Licensee: Narrabri Coal Operations Pty Ltd

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

EPL Monitoring Points: See **Error! Reference source not found.** below

Sampling Period:July 2020Obtained Date:29 July 2020Publication Date:6 August 2020



Table 1 - No Pollutant Limits Apply

				Table 1 – No	Pollutant Lim	nits Apply					
EPL ID	Pollutant	Units of	Monitoring	No. of Samples	Date	Date	Min	Mean	Median	Max or	
2, 2, 10	Tonatant	Measure	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value	
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	13 July 2020	22 July 2020	NA	NA	NA	1.4	
11	Conductivity	μs/cm	Upon		No dis	charge or flow e	uants assurra	d during July 21	20		
11	TOC	mg/L	discharge		NO UIS	charge or flow e	vents occurred	a during July 20)20.		
13	Conductivity	μs/cm	Upon		No dis	charge or flow e	uents occurre	d during July 21	າວດ		
13	TOC	mg/L	discharge		NO UIS	charge or flow e	vents occurred	a during July 20)20.		
	Conductivity	μs/cm									
	TOC	mg/L	Quarterly –								
14	Oil & Grease	mg/L	Upon	No discharge or flow events occurred during July 2020.							
	рН	рН	discharge								
	TSS	mg/L									
	Conductivity	μs/cm									
	TOC	mg/L	Quarterly –								
15	Oil & Grease	mg/L	Upon		No dis	charge or flow e	vents occurred	d during July 20	020.		
	рН	рН	discharge								
	TSS	mg/L									
	Conductivity	μs/cm									
	TOC	mg/L	Quarterly –								
16	Oil & Grease	mg/L	Upon		No dis	charge or flow e	vents occurred	d during July 20	020.		
	рН	рН	discharge								
	TSS	mg/L									
	Conductivity	μs/cm									
	TOC	mg/L	Quarterly –								
17	Oil & Grease	mg/L	Upon		No dis	charge or flow e	vents occurred	d during July 20	020.		
	рН	рН	discharge								
	TSS	mg/L									
18	Conductivity	μs/cm	Upon		No dis	charge or flow e	vents occurred	d durina Julv 20	020.		
	TOC	mg/L	discharge								

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	rrequericy	Tor the Worth	Janipica	Obtained	Value	Value	Value	Only value				
	TOC	mg/L	Quarterly –											
19	Oil & Grease	mg/L	Upon		No dis	charge or flow e	events occurre	d durina July 20	020.					
	рН	pH	discharge					<i>a a.ag . a</i> ,						
	TSS	mg/L	_											
	Conductivity	μs/cm												
	TOC	mg/L	Quarterly –		No discharge or flow events occurred during July 2020.									
20	Oil & Grease	mg/L	Upon											
	рН	рН	discharge											
	TSS	mg/L												
	Conductivity	μs/cm												
	TOC	mg/L	Quarterly –											
21	Oil & Grease	mg/L	Upon		No dis	charge or flow e	events occurre	d during July 20	020.					
	рН	рН	discharge											
	TSS	mg/L												
	Conductivity	μs/cm												
	TOC	mg/L	Quarterly –											
22	Oil & Grease	mg/L	Upon		No dis	charge or flow e	events occurre	d during July 20	020.					
	рН	рН	discharge											
	TSS	mg/L												
	Conductivity	μs/cm												
	TOC	mg/L	Quarterly –											
24	Oil & Grease	mg/L	Upon		No dis	charge or flow e	events occurre	d during July 20	020.					
	рН	pН	discharge											
	TSS	mg/L												
	Conductivity	μs/cm												
	TOC	mg/L	Quarterly –											
25	Oil & Grease	mg/L	Upon		No dis	charge or flow e	events occurre	d during July 20)20.					
	рН	рН	discharge											
	TSS	mg/L												
26	Conductivity	μs/cm												



EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
	TOC	mg/L								
	Oil & Grease	mg/L	Quarterly – Upon		No dis	charge or flow e	vents occurred	d during July 20.	20.	
	рН	рН	discharge							
	TSS	mg/L	discharge							
27	Conductivity	μs/cm	Upon		No dis	charge or flow e	vents occurred	d during July 20.	20.	
2/	TOC	mg/L	discharge							



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 (Mine Site Sample ID)									
	TSS	mg/L	Hann							50											
11	Oil & Grease	mg/L	Upon discharge	No dis	No discharge or flow events occurred during July 2020.							SD4									
	рН	рН	uischarge																		
	TSS	mg/L	11																		
13	Oil & Grease	mg/L	Upon	No discharge or flow events occurred during July 2020.						10		SD2									
	рН	рН	discharge							6.5-8.5											
	TSS	mg/L								50											
18	Oil & Grease	mg/L	Upon discharge	No dis	scharge or flo	v events occur	red during	July 2020.		10		SD7									
	рН	рН	uischarge							6.5-8.5											
24	TDS	mg/L	Upon	No dia	saharaa ar fla	ovents occur	rad durina	I desire a leste 2020		350		ND1									
24	рН	рН	discharge	INO UIS	No discharge or flow events occurred during July 2020.							NR1									
	TSS	mg/L								No discharae or flow events occurred durina luly 2020 1 10 1									50		
27	Oil & Grease	mg/L	Upon discharge	No discharge or flow events occurred during July 2020.								SD8									
	рН	рН	uiscilarge	6.5-8.5		No discharge of flow events occurred during July 2020.						1									

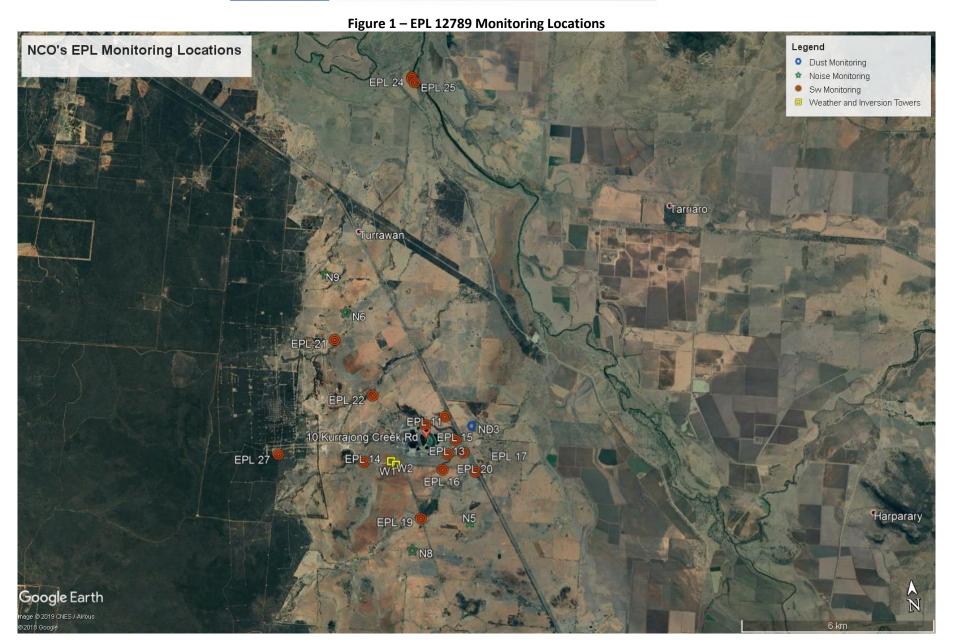
Table 3 – Quarterly Attended Noise Monitoring results summary table

EPL	Date	Measure	Measured	Measured	Measured	Limit(s)	Measureme	Weather	Compliant	Comments	Date
ID		d Levels	Levels –	Levels – dB(A)	Levels –		nt Periods	Compliant	(Yes/No)		Obtained
		– dB(A)	dB(A)	Leq 15min Night	dB(A)			Conditions			
		L _{eq 15min}	L _{eq 15min}		L _{A1} (1 min) Night						
		Day	Evening								
N5 ²	23/06/2020	26	32	30	43	Day, Evening & Night:	Day – 1.5 hrs	Y/Y/Y	Y		29/07/2020
	24/06/2020	26	<25	I/A	I/A	35 <u>Night</u> L _{A1 (1 min)} :	Evening – 0.5 hrs	Y/Y/Y	Y		29/07/2020
	25/06/2020	N/M	20	I/A	I/A	45	Night – 1 hr	Y/Y/Y	Y		29/07/2020
N6	23/06/2020	I/A	26	40¹	40	Day, Evening & Night:	Day – 1.5 hrs	Y/Y/Y	N		29/07/2020
	24/06/2020	25	32	30	32	35 <u>Night</u>	Evening – 0.5 hrs	Y/Y/Y	Y		29/07/2020
	25/06/2020	27	30	29	31	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Y/Y/Y	Y		29/07/2020
N8 ²	23/06/2020	approach t	the eastern end	mence when surfo		Day, Evening & Night:	Day – 1.5 hrs				
	24/06/2020	- paneis. No	t currently requ	лгеа.		35 <u>Night</u> L _{A1 (1 min):}	Evening – 0.5 hrs				
						45	Night – 1 hr				
	25/06/2020										
N9 ³	23/06/2020	I/A	25	421	45	Day, Evening & Night:	Day – 1.5 hrs	Y/Y/Y	Y ⁴		29/07/2020
	24/06/2020	23	34	26	28	35 <u>Night</u> L _{A1 (1 min)} :	Evening – 0.5 hrs	Y/Y/Y	Y		29/07/2020
	25/06/2020	N/M	33	26	33	45	Night – 1 hr	Y/Y/Y	Y		29/07/2020
]		J					

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



- Note 1: 2dB modifying factor correction for low frequency noise has been applied in accordance with the NPfl.
- Note 2: Property is owned by Narrabri Coal Operations.
- Note 3: A private agreement between NCOPL and the residents of N9 High Range of 40 dBA LAeq(15minute) and 50 dBA LA1(1minute) is in place. These new levels of 40 dBA LAeq(15minute) and 50 dBA LA1(1minute) replace the levels identified in condition L3 of Environment Protection Licence No 12789
- Note 4: Within 2 dB tolerance as per section 11.1.3 of the NSW Industrial Noise Policy, A development will be deemed to be in non-compliance with a noise consent or license if the monitored noise level is more than 2 dB above the statutory noise limit specified in the consent or license condition.





Site Information

EPL No: 12789

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

Licensee: Narrabri Coal Operations Pty Ltd

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

EPL Monitoring Points: See Figure 1 below

Sampling Period:August 2020Obtained Date:24 August 2020Publication Date:2 September 2020

		Units of	Monitoring	No. of Samples	Pollutant Lin Date	Date	Min	Mean	Median	Max or	
EPL ID	Pollutant	Measure	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value	
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	13 August 2020	24 August 2020	NA	NA	NA	6.9	
11	Conductivity	μs/cm	Upon	0		No discharge c	or flow avants	accurred during	August 2020		
11	TOC	mg/L	discharge	U		No discharge c	or flow events t	occurrea aurin <u>c</u>	y August 2020.		
13	Conductivity	μs/cm	Upon	0		No discharge d	or flow avants	accurred during	August 2020		
13	TOC	mg/L	discharge	0		No discharge c	or flow events t	occurrea auring	j August 2020.		
	Conductivity	μs/cm		0							
	TOC	mg/L	Quarterly –	0							
14	Oil & Grease	mg/L	Upon	0		No discharge d	or flow events o	occurred during	g August 2020.		
	рН	рН	discharge	0							
	TSS	mg/L		0							
	Conductivity	μs/cm		0							
	TOC	mg/L	Quarterly –	0							
15	Oil & Grease	mg/L	Upon	0		No discharge d	or flow events o	occurred during	g August 2020.		
	рН	рН	discharge	0							
	TSS	mg/L		0							
	Conductivity	μs/cm		0							
	TOC	mg/L	Quarterly –	0							
16	Oil & Grease	mg/L	Upon	0		No discharge d	or flow events o	occurred during	g August 2020.		
	рН	рН	discharge	0							
	TSS	mg/L		0							
	Conductivity	μs/cm		0							
	TOC	mg/L	Quarterly –	0							
17	Oil & Grease	mg/L	Upon	0		No discharge d	or flow events o	occurred during	g August 2020.		
	рН	рН	discharge	0							
	TSS	mg/L		0							
18	Conductivity	μs/cm	Upon	0	No discharge or flow events occurred during August 2020						
10	TOC	mg/L	discharge	0		ivo discharge C	A JIOW EVEILLS (Jecuirea aariiig	, August 2020.		

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	. requency	0	- Janipica	No discharge o		1		omy raide
	TOC	mg/L	Quarterly –	0		5	•	•	, ,	
19	Oil & Grease	mg/L	Upon	0						
	рН	pН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0		No discharge d	or flow events	occurred during	g August 2020.	
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0		No discharge d	or flow events	occurred during	g August 2020.	
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L	1	0						
	Conductivity	μs/cm		0		No discharge d	or flow events	occurred during	g August 2020.	
	TOC	mg/L	Quarterly –	0						
22	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0		No discharge d	or flow events	occurred during	g August 2020.	
	TOC	mg/L	Quarterly –	0						
24	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0		No discharge d	or flow events	occurred during	g August 2020.	
	TOC	mg/L	Quarterly –	0						
25	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						



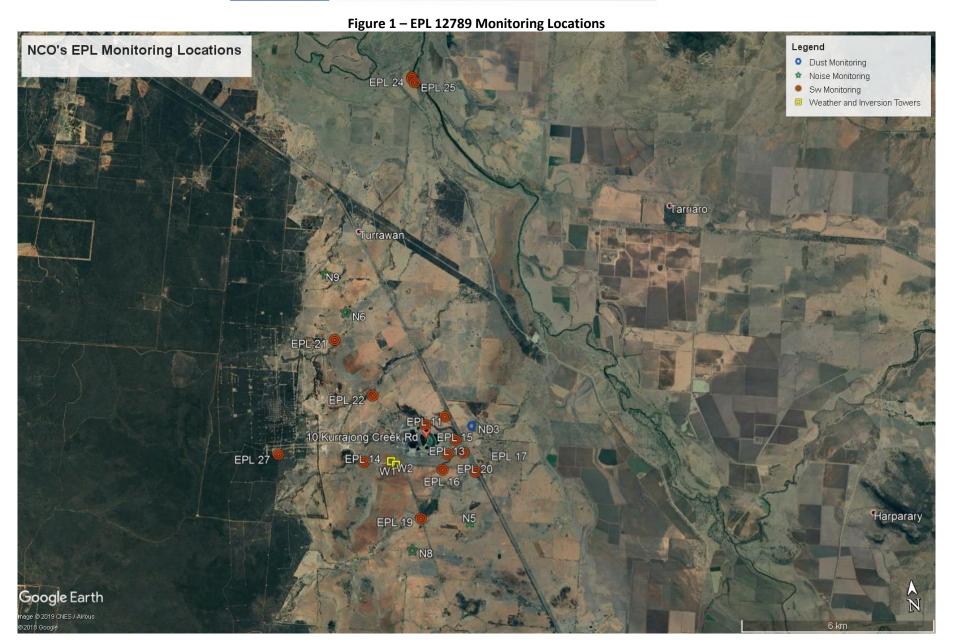
EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
	Conductivity	μs/cm		0		No discharge d	or flow events o	occurred during	August 2020.	
	TOC	mg/L	Quarterly –	0						
26	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
27	Conductivity	μs/cm	Upon	0		No discharge d	or flow events o	occurred during	August 2020.	
27	TOC	mg/L	discharge	0						



EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Max Value	EPL Limit	Exceedance (Yes/No)	Comments (Mine Site Sample ID)
	TSS	mg/L		0	No dis	charge or flow	v events occ	curred dur	ing	50	N/A	
11	Oil & Grease	mg/L	Upon	0		Augu	ıst 2020.			10	N/A	SD4
	pН	рН	discharge	0						6.5-8.5	N/A	
	TSS	mg/L		0	No dis	charge or flow	v events occ	curred dur	ing	50	N/A	
13	Oil & Grease	mg/L	Upon	0	August 2020.					10	N/A	SD2
	pН	рН	discharge	0						6.5-8.5	N/A	
	TSS	mg/L		0	No discharge or flow events occurred during				ing	50	N/A	
18	Oil & Grease	mg/L	Upon	0		Augu	ıst 2020.			10	N/A	SD7
	pН	рН	discharge	0						6.5-8.5	N/A	
2.4	TDS	mg/L	Upon	0	No dis	charge or flow	v events occ	curred dur	ing	350	N/A	ND1
24	pН	рН	discharge	0	No discharge or flow events occurred during August 2020.					6.5-8.5	N/A	NR1
	TSS	mg/L		0	No discharge or flow events occurred during				ing	50	N/A	
27	Oil & Grease	mg/L	Upon discharge	0	August 2020.					10	N/A	SD8
	pН	рН	uiscilarge	0						6.5-8.5	N/A	



EPL ID	Date	Measured Levels – dB(A) Leq 15min Day	Measured Levels – dB(A) L _{eq 15min} Evening	Measured Levels – dB(A) Leq 15min Night	Measured Levels – dB(A) LA1 (1 min) Night	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	d during Quarter 3 nd will be included . Monthly report.					Day, Evening & Night: 35 Night La1 (1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				
N6	ng will be complete time of reporting, a lable in the July EPL					Day, Evening & Night: 35 Night La1 (1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				
N8	The next round of attended noise monitoring will be completed during Quarter 3 (September 2020). Results not available at time of reporting, and will be included when available. Quarter 2 results are available in the July EPL Monthly report.					Day, Evening & Night: 35 Night La1 (1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				
N9	The next round of a (September 2020). when available. C					Day, Evening & Night: 35 Night La1(1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				





Site Information

EPL No: 12789

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

Licensee: Narrabri Coal Operations Pty Ltd

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

EPL Monitoring Points: See Figure 1 below **Sampling Period:** September 2020 **Obtained Date:** 22 September 2020 **Publication Date:** 7 October 2020

,			T	Table 1 – No	Pollutant Lin	nits Apply		r	•	T
EPL ID	Pollutant	Units of	Monitoring	No. of Samples	Date	Date	Min	Mean	Median	Max or
EPLID	Pollutant	Measure	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value
ND3	Deposited	g/m²/month	Once a month (min.	1	14 September	22 September	NA	NA	NA	1.9
	Matter	<i>g,</i> ,	4 weeks)		2020	2020				
11	Conductivity	μs/cm	Upon	0	l ,	No discharge or f	flow events oc	curred during	Santambar 202	า
11	TOC	mg/L	discharge	Ü	,	vo discridinge of j	iow events oc	curred during .	september 2020	<i>.</i>
13	Conductivity	μs/cm	Upon	0] ,	No discharge or f	flow quants of	curred during	Santambar 202	า
13	TOC	mg/L	discharge	0	,	vo discridi ge oi j	TOW EVEITS OC	curred during .	september 2020	<i>).</i>
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0	1	No discharge or f	flow events oc	curred during :	September 2020	О.
	рН	рН	discharge	0]					
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0	1	No discharge or f	flow events oc	curred during :	September 2020	0.
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
16	Oil & Grease	mg/L	Upon	0	<u> </u>	No discharge or f	flow events oc	curred during :	September 202	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	/	No discharge or f	flow events oc	curred during :	September 2020	0.
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon	0	,	No discharge or f	flow events or	curred during	Sentember 2021)
10	TOC	mg/L	discharge	0	'	to discharge of j	TOW EVERIES OF	carred during .	September 2020	<i></i>

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	•	No discharge or	flow events oc			
	TOC	mg/L	Quarterly –	0						
19	Oil & Grease	mg/L	Upon	0						
	рН	pН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0	ı	No discharge or	flow events oc	curred during S	September 2020).
	TOC	mg/L	Quarterly –	0						
20	Oil & Grease	mg/L	Upon	0						
	рН	pН	discharge	0						
	TSS	mg/L]	0						
	Conductivity	μs/cm		0		No discharge or	flow events oc	curred during S	September 2020).
	TOC	mg/L	Quarterly –	0						
21	Oil & Grease	mg/L	Upon	0						
	рН	pН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0		No discharge or	flow events oc	curred during S	September 2020).
	TOC	mg/L	Quarterly –	0						
22	Oil & Grease	mg/L	Upon	0						
	рН	pН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0		No discharge or	flow events oc	curred during S	September 2020).
	TOC	mg/L	Quarterly –	0						
24	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0		No discharge or	flow events oc	curred during S	September 2020).
	TOC	mg/L	Quarterly –	0						
25	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						



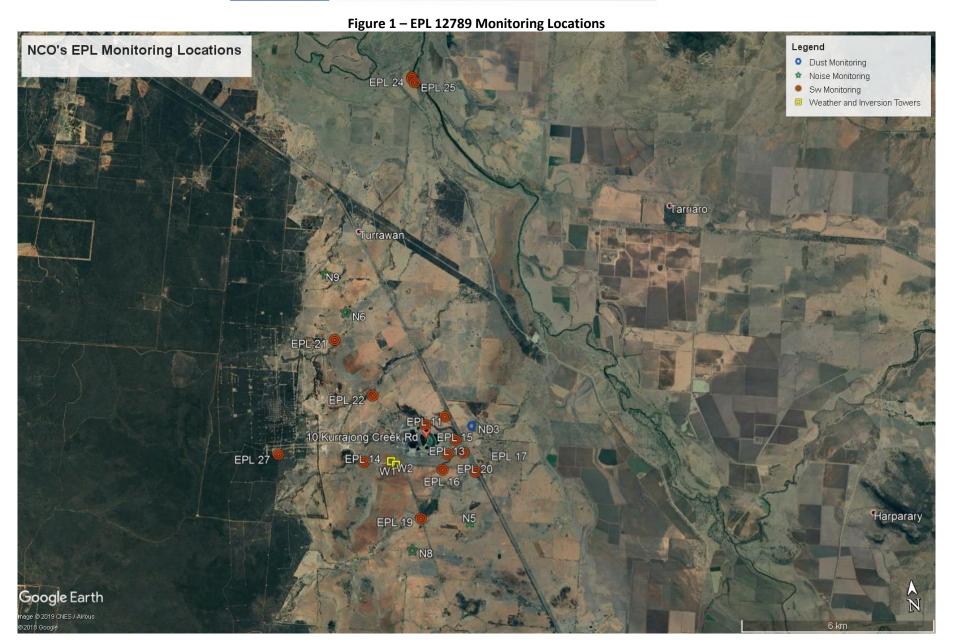
EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
	Conductivity	μs/cm		0	I	No discharge or	flow events oc	curred during S	eptember 2020).
	TOC	mg/L	Quarterly –	0						
26	Oil & Grease	mg/L	Upon	0						
	рН	рН	discharge	0						
	TSS	mg/L		0						
27	Conductivity	μs/cm	Upon	0	I	No discharge or	flow events occ	curred during S	eptember 2020).
27	TOC	mg/L	discharge	0						



EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Max Value	EPL Limit	Exceedance (Yes/No)	Comments (Mine Site Sample ID)	
	TSS	mg/L	I I a a a	0	No discharg	e or flow even	ts occurred	during Se	ptember	50	N/A		
11	Oil & Grease	mg/L	Upon	0]	2	2020.			10	N/A	SD4	
	рН	рН	discharge	0]					6.5-8.5	N/A		
	TSS	mg/L		0	0 No discharge or flow events occurred during Septe 2020.					50	N/A		
13	Oil & Grease	mg/L	Upon							10	N/A	SD2	
	рН	рН	discharge	0						6.5-8.5	N/A		
	TSS	mg/L		0	No discharg	e or flow even	ts occurred	l during Se	ptember	50	N/A		
18	Oil & Grease	mg/L	Upon	0]	2	2020.			10	N/A	SD7	
	рН	рН	discharge	0]					6.5-8.5	N/A		
24	TDS	mg/L	Upon	0	No discharg	e or flow even	ts occurred	l during Se	ptember	350	N/A	ND1	
24	рН	рН	discharge	0	No discharge or flow events occurred during Septem 2020.				6.5-8.5	N/A	NR1		
	TSS	mg/L		0	No discharge or flow events occurred during Septemb				ptember	50	N/A		
27	Oil & Grease	mg/L	Upon	0	2020.				10	N/A	SD8		
	рН	рН	discharge	0						6.5-8.5	N/A		



EPL ID	Date	Measured Levels – dB(A) Leq 15min Day	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A) Leq 15min Night	Measured Levels – dB(A) LA1 (1 min) Night	Limit(s)	Measurement Periods	Weather Compliant Conditions	Compliant (Yes/No)	Comments	Date Obtained
N5	September. Results ubsequent monthly		Licinis	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	Day, Evening & Night: 35 Night LA1 (1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				
N6	idertaken on 08-10 ill be including in su					Day, Evening & Night: 35 Night La1(1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				
N8	Quarter 3 attended noise monitoring was undertaken on 08-10 September. Results are not available at time of reporting, and will be including in subsequent monthly report.					Day, Evening & Night: 35 Night La1 (1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				
N9	Quarter 3 attended are not available at					Day, Evening & Night: 35 Night La1(1 min): 45	Day – 1.5 hrs Evening – 0.5 hrs Night – 1 hr				





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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:** October 2020 **Obtained Date:** 21 October 2020 **Publication Date:** 04 November 2020



		Units of	Monitoring	No. of Samples	Pollutant Lin Date	Date	Min	Mean	Median	Max or	
EPL ID	Pollutant	Measure	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value	
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	14 October 2020	21 October 2020	NA	NA	NA	4.4	
11	Conductivity	μs/cm	Upon	0		No disabargo o	r flow avants a		October 2020		
11	TOC	mg/L	discharge	0		No discharge o	r jiow events o	ccurrea auring	October 2020.		
12	Conductivity	μs/cm	Upon	0		No disabaras o	r flow avants a	actured division	October 2020		
13	TOC	mg/L	discharge	0		No discharge o	r Jiow events o	ccurrea auring	October 2020.		
	Conductivity	μs/cm		0							
	TOC	mg/L	Quarterly –	0							
14	Oil & Grease	mg/L	Upon	0		No discharge o	r flow events o	ccurred during	October 2020.		
	рН	рН	discharge	0							
	TSS	mg/L		0							
	Conductivity	μs/cm		0							
	TOC	mg/L	Quarterly –	0							
15	Oil & Grease	mg/L	Upon	0		No discharge o	r flow events o	ccurred during	October 2020.		
	рН	рН	discharge	0							
	TSS	mg/L		0							
	Conductivity	μs/cm		0							
	TOC	mg/L	Quarterly –	0							
16	Oil & Grease	mg/L	Upon	0		No discharge o	r flow events o	ccurred during	October 2020.		
	рН	рН	discharge	0							
	TSS	mg/L		0							
	Conductivity	μs/cm		0							
	TOC	mg/L	Quarterly –	0							
17	Oil & Grease	mg/L	Upon	0		No discharge o	r flow events o	ccurred during	October 2020.		
	рН	рН	discharge	0							
	TSS	mg/L		0							
18	Conductivity	μs/cm	Upon	0	No discharge or flow events occurred during October 2020.						
10	TOC	mg/L	discharge	0		ivo discharge o	i jiuw eveiits u	ccarrea aaring	OCTOBET 2020.		

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								
19	Oil & Grease	mg/L	Upon	0		No discharge o	r flow events o	occurred during	October 2020.			
	рН	рН	discharge	0								
	TSS	mg/L		0								
	Conductivity	μs/cm		0								
	TOC	mg/L	Quarterly –	0								
20	Oil & Grease	mg/L	Upon	0		No discharge o	r flow events o	occurred during	October 2020.			
	рН	рН	discharge	0								
	TSS	mg/L		0								
	Conductivity	μs/cm		0								
	TOC	mg/L	Quarterly –	0	No disabagga and law assessed during Catabag 2020							
21	Oil & Grease	mg/L	Upon	0	No discharge or flow events occurred during October 2020.							
	рН	рН	discharge	0								
	TSS	mg/L		0								
	Conductivity	μs/cm		0								
	TOC	mg/L	Quarterly –	0								
22	Oil & Grease	mg/L	Upon	0		No discharge o	r flow events o	occurred during	October 2020.			
	рН	рН	discharge	0								
	TSS	mg/L		0								
	Conductivity	μs/cm		0								
	TOC	mg/L	Quarterly –	0								
24	Oil & Grease	mg/L	Upon	0		No discharge o	r flow events o	occurred during	October 2020.			
	рН	рН	discharge	0								
	TSS	mg/L		0								
	Conductivity	μs/cm		0								
	TOC	mg/L	Quarterly –	0								
25	Oil & Grease	mg/L	Upon	0		No discharge o	r flow events o	occurred during	October 2020.			
	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						
26	Oil & Grease	mg/L	Upon	0	No discharge or flow events occurred during October 2020.					
	рН	рН	discharge	0	No discharge of flow events occurred during October 2020.					
	TSS	mg/L		0						
27	Conductivity	μs/cm	Upon	0	No discharge or flow events occurred during October 2020.					
27	TOC	mg/L	discharge	0		ivo aischarge o	r Jiow events o	ccurred during	October 2020.	



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 (Mine Site Sample ID)
	TSS	mg/L	11	0						50	N/A	
11	Oil & Grease	mg/L	Upon discharge	0	No discha	irge events occ	curred durii	ng Octobei	2020.	10	N/A	SD4
	рН	рН	uischarge	0						6.5-8.5	N/A	
	TSS	mg/L		0						50	N/A	
13	Oil & Grease	mg/L	Upon	0	No discha	No discharge events occurred during Octob				10	N/A	SD2
	рН	рН	discharge	0					6.5-8.5	N/A		
	TSS	mg/L		0						50	N/A	
18	Oil & Grease	mg/L	Upon	0	No discha	irge events occ	curred durii	ng Octobei	2020.	10	N/A	SD7
	рН	рН	discharge	0	1					6.5-8.5	N/A	
24	TDS	mg/L	Upon	0	No diada			or Ostobo	. 2020	350	N/A	ND4
24	pН	рН	discharge	0	No discharge events occurred during October 2020.					6.5-8.5	N/A	NR1
	TSS	mg/L		0						50	N/A	
27	Oil & Grease	mg/L	Upon	0	No discharge events occurred during October 2020			2020.	10	N/A SD8		
	pН	рН	discharge	0	1	o discharge events occurred daring occoser 202				6.5-8.5	N/A	



EPL ID	Date	Measure d Levels – dB(A)	Measured Levels – dB(A)	Measured Levels – dB(A)	Measured Levels – dB(A)	Limit(s) ^{2,4}	Measurement Periods	Weather Compliant Conditions	Compliant ¹ (Yes/No)	Date Obtained
		L _{eq 15min}	L _{eq 15min}	L _{eq 15min}	L _{A1 (1 min)}			(D/E/N)		
		Day	Evening	Night	Night					
	8/09/2020	I/A	<25	33	41	Day, Evening & Night:	Day – 1.5 hrs	Y/Y/Y	Υ	8/10/2020
N5 ³	9/09/2020	40	I/A	I/A	I/A	35 Night	Evening – 0.5 hrs	Y/Y/N	γ ⁵	8/10/2020
	10/09/2020	I/A	N/M	I/A	I/A	<u>LA1 (1 min):</u> 4 5	Night – 1 hr	N/N/N	Υ	8/10/2020
	8/09/2020	<25	N/M	30	31	Day, Evening & Night:	Day – 1.5 hrs	Y/Y/Y	Y	8/10/2020
N6	9/09/2020	26	<30	N/M	N/M	35 <u>Night</u>	Evening – 0.5 hrs	Y/N/N	Υ	8/10/2020
	10/09/2020	<30	30	N/M	N/M	<u>La1 (1 min):</u> 45	Night – 1 hr	N/N/N	Υ	8/10/2020
N8 ³	Monitoring at N	8 to commend	e when surface	activities appro	ach the eastern	end of the souther	n long wall panels. I	lot currently requ	ired.	
	8/09/2020	N/M	I/A	29	32	Day, Evening & Night:	Day – 1.5 hrs	Y/Y/Y	Y	8/10/2020
N9	9/09/2020	N/M	<30	N/M	N/M	35 <u>Night</u>	Evening – 0.5 hrs	Y/N/N	Y	8/10/2020
	10/09/2020	N/M	N/M	N/M	N/M	<u>LA1 (1 min):</u> 45	Night – 1 hr	N/N/N	Υ	8/10/2020

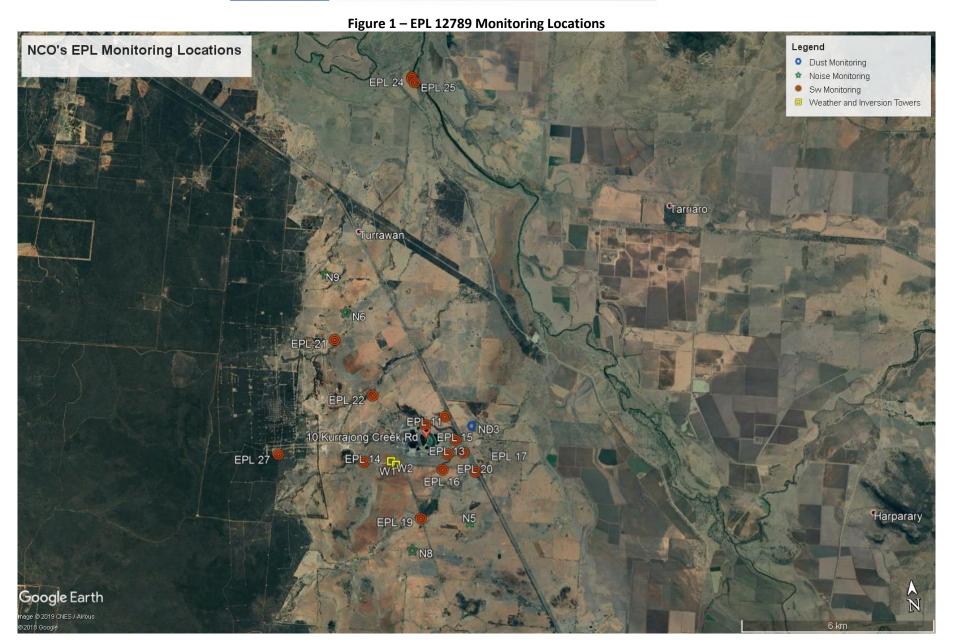
I/A = Inaudible, N/M = Not Measurable

Note 1: Compliant during applicable meteorological conditions.

Note 2: A private agreement between NCOPL and the residents of N9 High Range of 40 dBA LAeq(15minute) and 50 dBA LA1(1minute) is in place. These new levels of 40 dBA LAeq(15minute) and 50 dBA LA1(1minute) replace the levels contained in condition L3 of Environment Protection Licence No 12789.

Note 3: Property is owned by Narrabri Coal Operations.

Note 4: The Noise Criteria for EPL Monitoring Location N5 (Oakleigh) does not apply as the property is not a privately owned residence (owned by Narrabri Coal).





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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:** November 2020 **Obtained Date:** 02 December 2020 **Publication Date:** 04 December 2020

	- " · · ·	Units of	Monitoring	No. of Samples	Pollutant Lin Date	Date	Min	Mean	Median	Max or
EPL ID	Pollutant	Measure	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value
ND3	Deposited Matter	g/m²/month	Once a month (min. 4 weeks)	1	13 November 2020	2 December 2020	NA	NA	NA	1.5
11	Conductivity	μs/cm	Upon	0		la disabarga ar	flave avants as	surrad during 1	Javambar 2020	
11	TOC	mg/L	discharge	0	,	No discharge or	jiow events oc	curred during r	November 2020	
12	Conductivity	μs/cm	Upon	0		No discharge or	flow avants as	curred during 1	Jouannar 2020	1
13	TOC	mg/L	discharge	0	,	No discharge or	jiow events oc	currea auring r	November 2020	•
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
14	Oil & Grease	mg/L	Upon	0	ı	No discharge or	flow events oc	curred during I	November 2020	
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
15	Oil & Grease	mg/L	Upon	0	l i	No discharge or	flow events oc	curred during N	November 2020	
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
16	Oil & Grease	mg/L	Upon	0	ı	No discharge or	flow events oc	curred during N	November 2020	
	рН	рН	discharge	0						
	TSS	mg/L		0						
	Conductivity	μs/cm		0						
	TOC	mg/L	Quarterly –	0						
17	Oil & Grease	mg/L	Upon	0	l I	No discharge or	flow events oc	curred during N	November 2020	
	рН	рН	discharge	0						
	TSS	mg/L		0						
18	Conductivity	μs/cm	Upon	0	,	No discharae or	flow events or	curred during N	Jovember 2020	
10	TOC	mg/L	discharge	0	No discharge or flow events occurred during November 2020.					

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								
19	Oil & Grease	mg/L	Upon	0		No discharge or	flow events oc	curred during I	November 2020).		
	рН	рН	discharge	0								
	TSS	mg/L]	0								
	Conductivity	μs/cm		0								
	TOC	mg/L	Quarterly –	0								
20	Oil & Grease	mg/L	Upon	0		No discharge or	flow events oc	curred during I	November 2020).		
	рН	рН	discharge	0								
	TSS	mg/L		0								
	Conductivity	μs/cm		0								
	TOC	mg/L	Quarterly –	0								
21	Oil & Grease	mg/L	Upon	0	No discharge or flow events occurred during November 2020.							
	рН	рН	discharge	0								
	TSS	mg/L		0								
	Conductivity	μs/cm		0								
	TOC	mg/L	Quarterly –	0								
22	Oil & Grease	mg/L	Upon	0		No discharge or	flow events oc	curred during I	November 2020).		
	рН	рН	discharge	0								
	TSS	mg/L		0								
	Conductivity	μs/cm		0								
	TOC	mg/L	Quarterly –	0								
24	Oil & Grease	mg/L	Upon	0		No discharge or	flow events oc	curred during I	November 2020).		
	рН	рН	discharge	0	0							
	TSS	mg/L		0								
	Conductivity	μs/cm		0								
	TOC	mg/L	Quarterly –	0								
25	Oil & Grease	mg/L	Upon discharge	0).		
	рН	рН		0								
	TSS	mg/L		0	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									
26	Oil & Grease	mg/L	Upon 0			No discharge or flow events occurred during November 2020.							
	рН	рН	discharge										
	TSS	mg/L		0	0								
27	Conductivity	μs/cm	Upon	0	0 No discharge or flow events occurred during November 2020								
27	TOC	mg/L	discharge	No discharge or flow events occurred during November 2			iovember 2020	•					



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 (Mine Site Sample ID)
	TSS	mg/L	11	0						50	N/A	
11	Oil & Grease	mg/L	Upon	0	No dischar	ge events occu	ırred during	g Novemb	er 2020.	10	N/A	SD4
	рН	рН	discharge	0						6.5-8.5	N/A	
	TSS	mg/L		0						50	N/A	
13	Oil & Grease	mg/L	Upon	0	No discharge events occurred during November 2020.			er 2020.	10	N/A	SD2	
	рН	рН	discharge	0					6.5-8.5	N/A		
	TSS	mg/L		0						50	N/A	
18	Oil & Grease	mg/L	Upon	0	No dischar	ge events occi	ırred during	g Novemb	er 2020.	10	N/A	SD7
	рН	рН	discharge	0						6.5-8.5	N/A	
24	TDS	mg/L	Upon	0	No diadam		منسم ما مارسنام	a. Ma a	2020	350	N/A	ND4
24	рН	рН	discharge	0	No discharge events occurred during November 2020.					6.5-8.5	N/A	NR1
	TSS	mg/L		0						50	N/A	
27	Oil & Grease	mg/L	Upon	0	No discharge events occurred during November 2020.			10	N/A	SD8		
	рН	рН	discharge —	0					6.5-8.5	N/A		



EPL ID	Date	Measure d Levels – dB(A) L _{eq 15min Day}	Measured Levels – dB(A) Leq 15min Evening	Measured Levels – dB(A) Leq 15min Night	Measured Levels – dB(A) L _{A1 (1 min) Night}	Limit(s) ^{2,4}	Measurement Periods	Weather Compliant Conditions (D/E/N)	Compliant ¹ (Yes/No)	Date Obtained
	3/11/2020	I/A	I/A	I/A	I/A	Day, Evening & Night:	Day – 1.5 hrs	N/Y/Y	Υ	3/12/2020
N5 ⁴	4/11/2020	26	I/A	26	30	35 <u>Night</u>	Evening – 0.5 hrs	Y/Y/N	γ ⁵	3/12/2020
	5/11/2020	<25 ⁵	I/A	I/A	I/A	<u>L_{A1 (1 min)}:</u> 4 5	Night – 1 hr	Y ⁵ /N/N	Υ	3/12/2020
	3/11/2020	I/A	N/M ⁵	<25	31	Day, Evening & Night:	Day – 1.5 hrs	N/Y ⁵ /N	Y	3/12/2020
N6	4/11/2020	I/A	I/A	25	27	35 Night	Evening – 0.5 hrs	Y/Y/N	Y	3/12/2020
	5/11/2020	N/M ⁵	26	27	29	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Y ⁵ /N/N	Υ	3/12/2020
N8 ³	Monitoring at N8	3 to commence	when surface ac	tivities approac	h the eastern en	d of the southern lon	g wall panels. Not co	urrently required.		
	3/11/2020	26	<25	28	34	Day, Evening & Night:	Day – 1.5 hrs	N/Y/N	Y	3/12/2020
N9 ³	4/11/2020	I/A ⁵	I/A	I/A	I/A	35 <u>Night</u>	Evening – 0.5 hrs	Y ⁵ /Y/N	Y	3/12/2020
	5/11/2020	I/A	25	26	28	L _{A1 (1 min)} : 45	Night – 1 hr	N/N/Y	Y	3/12/2020

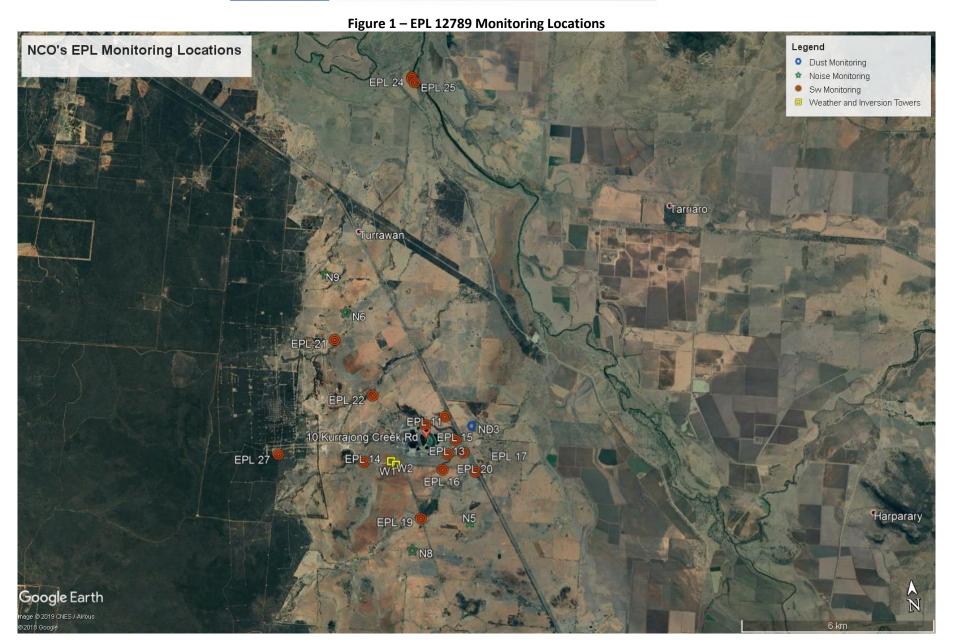
Note 1: Compliant during applicable meteorological conditions.

Note 2: A private agreement between NCOPL and the residents of N1 Bow Hills of 50 dBA LAeq(15minute) is in place. This new level of 50 dBA LAeq(15minute) replaces the levels identified in Conditions 1-3, Schedule 4 of PA 08_0144 Mod 2 and the identical limits contained in condition L3 of Environment Protection Licence No 12789

Note 3: A private agreement between NCOPL and the residents of N9 High Range of 40 dBA LAeq(15minute) and 50 dBA LA1(1minute) is in place. These new levels of 40 dBA LAeq(15minute) and 50 dBA LA1(1minute) replace the levels identified in Conditions 1-3, Schedule 4 of PA 08_0144 Mod 2 and the identical limits contained in condition L3 of Environment Protection Licence No 12789

Note 4: Property is owned by Narrabri Coal Operations

Note 5: Weather not compliant for all individual 15 minute measurements at this location. Noise levels presented are the highest measured noise level under compliant weather conditions over the monitoring period.





Site Information

EPL No: 12789

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

Licensee: Narrabri Coal Operations Pty Ltd

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

EPL Monitoring Points: See Figure 1 below
 Sampling Period: December 2020
 Obtained Date: 08 January 2020
 Publication Date: 14 January 2021



		1	1	Table	1 – No Pollutant	Lillies / (ppi	7	1	_	1	1
EPL	Pollutant	Units of Measure	Sample Method	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	Lab Analysis	Once a month (min. 4 weeks)	1	14/12/20	1712/20	NA	NA	NA	3.2
11	Conductivity	μs/cm	In situ	Upon discharge	0		No discharae	e occurred dur	ina Decembe	or 2020 (SDA)	
11	тос	mg/L	Lab Analysis	(within 12 hours)	Ü		ivo discharge	occurred dar	my Decembe	7 2020 (304).	
42	Conductivity	μs/cm	In situ	Upon discharge	0		No disabassa		.i D	2020 (5D2)	
13	тос	mg/L	Lab Analysis	(within 12 hours)	0		ivo aiscnarge	e occurred dur	ing Decembe	r 2020 (SD2).	
	Conductivity	μs/cm	In situ		1	22/12/20	6/01/21	NA	NA	NA	116
	TOC	mg/L	Lab Analysis	Quarterly,	1	22/12/20	6/01/21	NA	NA	NA	11
14	Oil & Grease	mg/L	Lab Analysis	Upon discharge & Flow Event	1	22/12/20	6/01/21	NA	NA	NA	<5
	рН	рН	In situ		1	22/12/20	6/01/21	NA	NA	NA	7.3
	TSS	mg/L	Lab Analysis		1	22/12/20	6/01/21	NA	NA	NA	78
	Conductivity	μs/cm	In situ		1	22/12/20	6/01/21	NA	NA	NA	272
	TOC	mg/L	Lab Analysis	Quarterly,	1	22/12/20	6/01/21	NA	NA	NA	10
15	Oil & Grease	mg/L	Lab Analysis	Upon discharge &	1	22/12/20	6/01/21	NA	NA	NA	<5
	рН	рН	In situ	Flow Event	1	22/12/20	6/01/21	NA	NA	NA	7.4
	TSS	mg/L	Lab Analysis	Tion Event	1	22/12/20	6/01/21	NA	NA	NA	263
	Conductivity	μs/cm	In situ		1	22/12/20	6/01/21	NA	NA	NA	90
	TOC	mg/L	Lab Analysis	Quarterly,	1	22/12/20	6/01/21	NA	NA	NA	12
16	Oil & Grease	mg/L	Lab Analysis	Upon discharge &	1	22/12/20	6/01/21	NA	NA	NA	<5
	рН	рН	In situ	Flow Event	1	22/12/20	6/01/21	NA	NA	NA	7.3
	TSS	mg/L	Lab Analysis		1	22/12/20	6/01/21	NA	NA	NA	20
	Conductivity	μs/cm	In situ	Quarterly,	1	22/12/20	6/01/21	NA	NA	NA	125
17	TOC	mg/L	Lab Analysis	Upon	1	22/12/20	6/01/21	NA	NA	NA	12
1,	Oil & Grease	mg/L	Lab Analysis	discharge &	1	22/12/20	6/01/21	NA	NA	NA	<5
	рН	рН	In situ	Flow Event	1	22/12/20	6/01/21	NA	NA	NA	7.2



EPL	Pollutant	Units of	Sample	Monitoring	No. of Samples	Date	Date	Min	Mean	Median	Max or
	Pollutarit	Measure	Method	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value
	TSS	mg/L	Lab Analysis		1	22/12/20	6/01/21	NA	NA	NA	28
18	Conductivity	μs/cm	In Situ	Upon discharge	0	(SD7 is	s an approved se	N, ediment dam		turbance area	. not vet
	тос	mg/L	Lab Analysis	(within 12 hours)	0	,	,,	constr		,	,
	Conductivity	μs/cm	In situ		2	4/12/20	15/12/20	NA	NA	NA	152
	Conductivity	μ3/CΠ	III Situ			22/12/20	6/01/21	NA	NA	NA	145
	тос	mg/L	Lab Analysis		2	4/12/20	15/12/20	NA	NA	NA	22
	100	IIIg/ L	Lab Allalysis	Quarterly,		22/12/20	6/01/21	NA	NA	NA	9
19	Oil & Grease	mg/L	Lab Analysis	Upon	2	4/12/20	15/12/20	NA	NA	NA	<5
19	Oil & Grease	IIIg/L	Lab Allalysis	discharge &		22/12/20	6/01/21	NA	NA	NA	<5
	n I I	mil	la citu	Flow Event	2	4/12/20	15/12/20	NA	NA	NA	7.4
	рН	рН	In situ			22/12/20	6/01/21	NA	NA	NA	7.5
	TCC	/I	Lab Arabia		2	4/12/20	15/12/20	NA	NA	NA	131
	TSS	mg/L	Lab Analysis			22/12/20	6/01/21	NA	NA	NA	143
	Canadonationito		la aiku		2	4/12/20	15/12/20	NA	NA	NA	250
	Conductivity	μs/cm	In situ			22/12/20	6/01/21	NA	NA	NA	140
	TOC	m a /1	Lab Analysis		2	4/12/20	15/12/20	NA	NA	NA	23
	100	mg/L	Lab Analysis	Quarterly,		22/12/20	6/01/21	NA	NA	NA	9
20	Oil & Grease	m a /1	Lab Analysis	Upon	2	4/12/20	15/12/20	NA	NA	NA	<5
20	Oli & Grease	mg/L	Lab Analysis	discharge &		22/12/20	6/01/21	NA	NA	NA	<5
	-11	-11	la siku	Flow Event	2	4/12/20	15/12/20	NA	NA	NA	7.6
	рН	рН	In situ			22/12/20	6/01/21	NA	NA	NA	7.5
	TCC	/1	Lab Arabiraia		2	4/12/20	15/12/20	NA	NA	NA	266
	TSS	mg/L	Lab Analysis			22/12/20	6/01/21	NA	NA	NA	126
	Conductivity	μs/cm	In situ		1	22/12/20	6/01/21	NA	NA	NA	75
	TOC	mg/L	Lab Analysis	Quarterly,	1	22/12/20	6/01/21	NA	NA	NA	11
21	Oil & Grease	mg/L	Lab Analysis	Upon	1	22/12/20	6/01/21	NA	NA	NA	<5
	рН	рН	In situ	discharge & Flow Event	1	22/12/20	6/01/21	NA	NA	NA	7.7
	TSS	mg/L	Lab Analysis	TIOW EVEIL	1	22/12/20	6/01/21	NA	NA	NA	204
22	Conductivity	μs/cm	In situ		1	22/12/20	6/01/21	NA	NA	NA	235



EPL	Pollutant	Units of Measure	Sample Method	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Median Value	Max or Only Value
	TOC	mg/L	Lab Analysis	Quarterly,	1	22/12/20	6/01/21	NA	NA	NA	14
	Oil & Grease	mg/L	Lab Analysis	Upon	1	22/12/20	6/01/21	NA	NA	NA	<5
	рН	рН	In situ	discharge &	1	22/12/20	6/01/21	NA	NA	NA	7.5
	TSS	mg/L	Lab Analysis	Flow Event	1	22/12/20	6/01/21	NA	NA	NA	101
24	рН	рН	In situ	Upon Discharge	0			N,			
	TDS	mg/L	Lab Analysis	(within 4 hrs)	0	Namo	i River discharge	e point (NR1)	not yet requi	red / not cons	tructed.
25	рН	рН	In situ	Upon Discharge	0	Namoi	River discharge	N,		a (NRIIS). No c	lischarge
23	TDS	mg/L	Lab Analysis	(within 4 hrs)	0	Ivallion	Miver discharge	occui		g (MNO3). NO C	nscharge
26	рН	рН	In situ	Upon	0			N,			
20	TDS	mg/L	Lab Analysis	Discharge (within 4 hrs)	0	Namoi R	iver discharge p	oint downstre occui		ing (NRDS). No	discharge
27	Conductivity	μs/cm	In situ	Upon discharge	0	No discharge occurred during December 2020 (SD7).					
27	тос	mg/L	Lab Analysis	(within 12 hours)	0		No discharge	charge occurred during December 2020 (SD7).			
	Conductivity	μs/cm	In situ		0						
	рН	рН	In situ		0						
	SWL	-	In situ		0						
	Bicarbonate	mg/L	Lab Analysis		0						
	Calcium	mg/L	Lab Analysis		0						
28	Carbonate	mg/L	Lab Analysis	Quarterly	0	Bore F	228 was reporte	d as dry durin	g monitoring	event on 18/1	2/2020.
	Chloride	mg/L	Lab Analysis		0						
	Magnesium	mg/L	Lab Analysis		0						
	Potassium	mg/L	Lab Analysis		0						
	Sodium	mg/L	Lab Analysis		0						
	Sulfate	mg/L	Lab Analysis		0						
	Conductivity	μs/cm	In situ		1	18/12/20	08/01/2021	NA	NA	NA	10831
20	рН	рН	In situ	Ou ort and a	1	18/12/20	08/01/2021	NA	NA	NA	7.71
29	SWL	mbtoc	In situ	Quarterly	1	18/12/20	08/01/2021	NA	NA	NA	5.8
	Bicarbonate	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	768



EPL	Pollutant	Units of	Sample	Monitoring	No. of Samples	Date	Date	Min	Mean	Median	Max or
		Measure	Method	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value
	Calcium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	46
	Carbonate	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	<1
	Chloride	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	3010
	Magnesium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	108
	Potassium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	7
	Sodium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	1960
	Sulfate	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	497
	Conductivity	μs/cm	In situ		1	18/12/20	08/01/2021	NA	NA	NA	21959
	рН	рН	In situ			18/12/20	08/01/2021	NA	NA	NA	7.09
	SWL	mbtoc	In situ		1	18/12/20	08/01/2021	NA	NA	NA	13.92
	Bicarbonate	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	768
	Calcium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	194
30	Carbonate	mg/L	Lab Analysis	Quarterly	1	18/12/20	08/01/2021	NA	NA	NA	<1
	Chloride	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	6230
	Magnesium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	452
	Potassium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	17
	Sodium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	3750
	Sulfate	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	1580
	Conductivity	μs/cm	In situ		1	18/12/20	08/01/2021	NA	NA	NA	7283
	рН	рН	In situ		1	18/12/20	08/01/2021	NA	NA	NA	7.42
	SWL	mbtoc	In situ			18/12/20	08/01/2021	NA	NA	NA	16.96
	Bicarbonate	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	919
	Calcium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	90
31	Carbonate	mg/L	Lab Analysis	Quarterly	1	18/12/20	08/01/2021	NA	NA	NA	<1
	Chloride	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	1660
	Magnesium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	153
	Potassium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	14
	Sodium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	1170
	Sulfate	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	372
22	Conductivity	μs/cm	In situ	Occupation 1	1	18/12/20	08/01/2021	NA	NA	NA	2183
32	рН	рН	In situ	Quarterly	1	18/12/20	08/01/2021	NA	NA	NA	8.38



EPL	Pollutant	Units of	Sample	Monitoring	No. of Samples	Date	Date	Min	Mean	Median	Max or				
	Pollutarit	Measure	Method	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value				
	SWL	mbtoc	In situ		1	18/12/20	08/01/2021	NA	NA	NA	8.95				
	Bicarbonate	mg/L	Lab Analysis			18/12/20	08/01/2021	NA	NA	NA	969				
	Calcium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	1				
	Carbonate	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	39				
	Chloride	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	359				
	Magnesium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	16				
	Potassium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	<1				
	Sodium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	764				
	Sulfate	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	276				
	Conductivity	μs/cm	In situ		0										
	рН	рН	In situ	Quarterly	0										
	SWL	mbtoc	In situ		0	Bore P33 was reported as dry during monitoring event on 18/12/2020.									
	Bicarbonate	mg/L	Lab Analysis												
	Calcium	mg/L	Lab Analysis		0										
33	Carbonate	mg/L	Lab Analysis		0										
	Chloride	mg/L	Lab Analysis		0										
	Magnesium	mg/L	Lab Analysis		0										
	Potassium	mg/L	Lab Analysis		0										
	Sodium	mg/L	Lab Analysis		0										
	Sulfate	mg/L	Lab Analysis		0										
	Conductivity	μs/cm	In situ		0										
	рН	рН	In situ		0										
	SWL	mbtoc	In situ												
	Bicarbonate	mg/L	Lab Analysis		0	1									
	Calcium	mg/L	Lab Analysis		0										
34	Carbonate	mg/L	Lab Analysis	Quarterly	0	Bore P34 was reported as dry during monitoring event on 18/12/2020.									
	Chloride	mg/L	Lab Analysis		0										
	Magnesium	mg/L	Lab Analysis		0										
	Potassium	mg/L	Lab Analysis		0										
	Sodium	mg/L	Lab Analysis		0										
	Sulfate	mg/L	Lab Analysis		0										



EPL	Pollutant	Units of	Sample	Monitoring	No. of Samples	Date	Date	Min	Mean	Median	Max or
		Measure	Method	Frequency	for the Month	Sampled	Obtained	Value	Value	Value	Only Value
	Conductivity	μs/cm	In situ	Quarterly	1	18/12/20	08/01/2021	NA	NA	NA	10989
	рН	рН	In situ		1	18/12/20	08/01/2021	NA	NA	NA	6.89
	SWL	mbtoc	In situ		1	18/12/20	08/01/2021	NA	NA	NA	19.01
	Bicarbonate	mg/L	Lab Analysis			18/12/20	08/01/2021	NA	NA	NA	5130
	Calcium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	78
35	Carbonate	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	<1
	Chloride	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	1130
	Magnesium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	93
	Potassium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	60
	Sodium	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	2680
	Sulfate	mg/L	Lab Analysis		1	18/12/20	08/01/2021	NA	NA	NA	89



EPL ID	Pollutant	Units of Measure	Sample Method	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date Obtained	Min Value	Mean Value	Max Value	EPL Limit	Exceedance (Yes/No)	Comments (Mine Site Sample ID)
	TSS	mg/L	Lab Analysis	Upon	0		No discharge occurred during December 2020.				50	N/A	SD4
11	Oil & Grease	mg/L	Lab Analysis		0	No discl					10	N/A	
	рН	рН	In situ	discharge	0						6.5-8.5	N/A	
	TSS	mg/L	Lab Analysis		0	No discharge occurred during December 2020.					50	N/A	SD2
13	Oil & Grease	mg/L	Lab Analysis	Upon	0					020.	10	N/A	
	рН	рН	In situ	discharge	0						6.5-8.5	N/A	
	TSS	mg/L	Lab Analysis	Upon discharge	0	N/A (SD7 is an approved sediment dam for future disturbance area, not yet constructed)					50	N/A	SD7
18	Oil & Grease	mg/L	Lab Analysis		0					ture	10	N/A	
	рН	рН	In situ		0)	6.5-8.5	N/A	
	TDS	mg/L	Lab Analysis	Unan	0	N/A				350	N/A		
24	рН	рН	In situ	Upon discharge	0	Namoi River discharge point (NR1) not yet required / not constructed.					6.5-8.5	N/A	NR1
	TSS	mg/L	Lab Analysis	Upon	0		No discharge occurred during December 2020.				50	N/A	SD8
27	Oil & Grease	mg/L	Lab Analysis		0	No discl				020.	10	N/A	
	рН	рН	In situ	discharge	0		-				6.5-8.5	N/A	<u> </u>



Note: Quarterly attended noise monitoring was not required during December 2020.

EPL	Date	Measure	Measured	Measured	Measured	Limit(s) ^{2,4}	Measurement	Weather	Compliant ¹	Date
ID		d Levels –	Levels –	Levels –	Levels –		Periods	Compliant	(Yes/No)	Obtained
		dB(A)	dB(A)	dB(A)	dB(A)			Conditions		
		Leq 15min Day	L _{eq} 15min	Leq 15min Night	LA1 (1 min) Night			(D/E/N)		
			Evening							
						Day, Evening &	Day – 1.5 hrs			
						<u>Night:</u>				
N5						35	Evening – 0.5			
113						<u>Night</u>	hrs			
						<u>LA1 (1 min):</u>				
						45	Night – 1 hr			
						Day, Evening &	Day – 1.5 hrs			
						Night:				
N6						35	Evening – 0.5			
110						<u>Night</u>	hrs			
						<u>LA1 (1 min):</u>				
						45	Night – 1 hr			
N8	Monitoring at N	3 to commence	when surface ac	ctivities approac	h the eastern en	d of the southern lon	ng wall panels. Not c	urrently required.		
						Day, Evening &	Day – 1.5 hrs			
						Night:				
NO						35	Evening – 0.5			
N9						<u>Night</u>	hrs			
						LA1 (1 min):				
						45	Night – 1 hr			

