

#### NARRABRI MINE – MONTHLY MONITORING SUMMARY

#### **Site Information**

**EPL No:** 12789

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

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 2025 Obtained Date: 28/01/2025 Publication Date: 13/02/2025



#### Table 1 – No Pollutant Limits Apply

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EPL ID	Pollutant	Units of Measure	Sample Method	Monitoring Frequency	No. of Samples for the Month	Dates 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	13/01/2025	28/01/2025	NA	NA	NA	0.8
11	Conductivity	μs/cm	In situ	Upon discharge		Ma	discharge occu	rrad during can	anling nariad (S	·D4)	
(SD4)	тос	mg/L	Lab Analysis	(within 12 hours)		NO	discriurge occu	rrea during san	iping period (3	504)	
13	Conductivity	μs/cm	In situ	Upon discharge		No	discharge occu	rrad during can	anling pariod (S	יחמן	
(SD2)	тос	mg/L	Lab Analysis	(within 12 hours)		NO	discriurge occu	rrea during san	iping period (S	502)	
	Conductivity	μs/cm	In situ	In the event							
	тос	mg/L	Lab Analysis	of flow during the quarter &							
14 (KC1US)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	N	o flow events a	nd/or mine disc	harge occurrea	l during samplir	ng period (KC1U	IS)
	рН	рН	In situ	discharge							
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27							
	Conductivity	μs/cm	In situ	In the event							
	тос	mg/L	Lab Analysis	of flow during the quarter &							
15 (KC1DS)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	N	o flow events a	nd/or mine disc	harge occurrea	l during samplir	ng period (KC1E	)S)
	рН	рН	In situ	discharge							
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27							

	Conductivity	μs/cm	In situ	In the event	
	тос	mg/L	Lab Analysis	of flow during the quarter &	
16 (KC2US)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	No flow events and/or mine discharge occurred during sampling period (KC2US)
	рН	рН	In situ	discharge	
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27	
	Conductivity	μs/cm	In situ	In the event	
	тос	mg/L	Lab Analysis	of flow during the quarter &	
17 (KC2DS)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	No flow events and/or mine discharge occurred during sampling period (KC2DS)
	рН	рН	In situ	discharge	
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27	
18	Conductivity	μs/cm	In Situ	Upon discharge	
(SD7)	тос	mg/L	Lab Analysis	(within 12 hours)	No discharge occurred during sampling period (SD7)
	Conductivity	μs/cm	In situ	In the event	
10	тос	mg/L	Lab Analysis	of flow during the quarter & after each	
19 (KCUS)	Oil & Grease	mg/L	Lab Analysis	wet weather discharge	No flow events and/or mine discharge occurred during sampling period (KCUS)
	pН	рН	In situ	from points	
	TSS	mg/L	Lab Analysis	11, 13, 18,27	
	Conductivity	μs/cm	In situ	In the event	
20	тос	mg/L	Lab Analysis	of flow during the quarter &	No flow events and/or mine discharge occurred during sampling period (KCDS)
(KCDS)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	
	рН	рН	In situ	discharge	



	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27		
	Conductivity	μs/cm	In situ	In the event		
	тос	mg/L	Lab Analysis	of flow during the quarter &		
21 (PCa)	Oil & Grease	mg/L	Lab Analysis	after each wet weather		No flow events and/or mine discharge occurred during sampling period (PCa)
	рН	рН	In situ	discharge		
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27		
	Conductivity	μs/cm	In situ	In the event		
	тос	mg/L	Lab Analysis	of flow during the quarter &		
22 (PC1)	Oil & Grease	mg/L	Lab Analysis	after each wet weather		No flow events and/or mine discharge occurred during sampling period (PC1)
	рН	рН	In situ	discharge		
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27		
24	рН	рН	In situ	Upon		
(NR1)	TDS	mg/L	Lab Analysis	Discharge (within 4 hrs)		Namoi discharge point – Not constructed or currently utilised (NR1)
25	рН	рН	In situ	Upon		Name i disabassa a sist. Nat assatus tad as assaults still ad (NDIC)
(NRUS)	TDS	mg/L	Lab Analysis	Discharge (within 4 hrs)		Namoi discharge point – Not constructed or currently utilised (NRUS)
26	рН	рН	In situ	Upon		
(NRDS)	TDS	mg/L	Lab Analysis	Discharge (within 4 hrs)		Namoi discharge point – Not constructed or currently utilised (NRDS)
	Conductivity	μs/cm	In situ		0	
20	рН	рН	In situ	]	0	
28 (P28)	SWL	mbtoc	In situ	Quarterly	0	Not scheduled for sampling during sampling period
(1 20)	Bicarbonate	mg/L	Lab Analysis		0	

	Calcium	mg/L	Lab Analysis		0	
	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	
	Sulphate	mg/L	Lab Analysis		0	
	Conductivity	μs/cm	Lab Analysis		0	
	рН	рН	Lab Analysis		0	
	SWL	mbtoc	Lab Analysis		0	
	Bicarbonate	mg/L	Lab Analysis		0	
29	Calcium	mg/L	Lab Analysis	Quarterly	0	Not scheduled for sampling during sampling period
(P29)	Carbonate	mg/L	Lab Analysis	Quarterly	0	Not scheduled for sampling during sampling period
	Chloride	mg/L	Lab Analysis		0	
	Magnesium	mg/L	Lab Analysis		0	
	Potassium	mg/L	Lab Analysis		0	
	Sodium	mg/L	Lab Analysis		0	

	Sulphate	mg/L	Lab Analysis		0	
	Conductivity	μs/cm	Lab Analysis		0	
	рН	рН	Lab Analysis		0	
	SWL	mbtoc	Lab Analysis		0	
	Bicarbonate	mg/L	Lab Analysis		0	
	Calcium	mg/L	Lab Analysis		0	
30 (P30)	Carbonate	mg/L	Lab Analysis	Quarterly	0	Not scheduled for sampling during sampling period
	Chloride	mg/L	Lab Analysis		0	
	Magnesium	mg/L	Lab Analysis		0	
	Potassium	mg/L	Lab Analysis		0	
	Sodium	mg/L	Lab Analysis		0	
	Sulphate	mg/L	Lab Analysis		0	
	Conductivity	μs/cm	Lab Analysis		0	
	рН	рН	Lab Analysis		0	
31 (P31)	SWL	mbtoc	Lab Analysis	Quarterly	0	Not scheduled for sampling during sampling period
	Bicarbonate	mg/L	Lab Analysis		0	
	Calcium	mg/L	Lab Analysis		0	

	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	
	Sulphate	mg/L	Lab Analysis		0	
	Conductivity	μs/cm	Lab Analysis		0	
	рН	рН	Lab Analysis		0	
	SWL	mbtoc	Lab Analysis		0	
	Bicarbonate	mg/L	Lab Analysis		0	
	Calcium	mg/L	Lab Analysis		0	
32 (P32)	Carbonate	mg/L	Lab Analysis	Quarterly	0	Not scheduled for sampling during sampling period
	Chloride	mg/L	Lab Analysis		0	
	Magnesium	mg/L	Lab Analysis		0	
	Potassium	mg/L	Lab Analysis		0	
	Sodium	mg/L	Lab Analysis		0	
	Sulphate	mg/L	Lab Analysis		0	

	Conductivity	μs/cm	Lab Analysis		0	
	рН	рН	Lab Analysis		0	
	SWL	mbtoc	Lab Analysis		0	
	Bicarbonate	mg/L	Lab Analysis		0	
	Calcium	mg/L	Lab Analysis	Quarterly	0	
	Carbonate	mg/L	Lab Analysis		0	Not scheduled for sampling during sampling period
33	Chloride	mg/L	Lab Analysis		0	
(P33)	Magnesium	mg/L	Lab Analysis		0	
	Potassium	mg/L	Lab Analysis		0	
	Sodium	mg/L	Lab Analysis		0	
	Sulphate	mg/L	Lab Analysis		0	
	Conductivity	μs/cm	In situ		0	
	рН	рН	In situ		0	
	SWL	mbtoc	In situ		0	
	Bicarbonate	mg/L	Lab Analysis		0	
34 (P34)	Calcium	mg/L	Lab Analysis	Quarterly	0	Not scheduled for sampling during sampling period
(1.24)	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	
	Sulphate	mg/L	Lab Analysis		0	
	Conductivity	μs/cm	Lab Analysis		0	
	рН	рН	Lab Analysis		0	
	SWL	mbtoc	Lab Analysis		0	
	Bicarbonate	mg/L	Lab Analysis		0	
	Calcium	mg/L	Lab Analysis		0	
35 (P58)	Carbonate	mg/L	Lab Analysis	Quarterly	0	Not scheduled for sampling during sampling period
	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	
36	Conductivity	μs/cm	In situ		0	
(P83)	рН	рН	In situ		0	
	SWL	mbtoc	In situ		0	Not scheduled for sampling during sampling period
	Bicarbonate	mg/L	Lab Analysis	Quarterly	0	
	Calcium	mg/L	Lab Analysis		0	

	Carbonate	mg/L	Lab Analysis		0	
	Chloride	mg/L	Lab		0	
	Cilionae	1116/ L	Analysis			
	Magnesium	mg/L	Lab		0	
	lgex		Analysis			
	Potassium	mg/L	Lab		0	
			Analysis			
	Sodium	mg/L	Lab		0	
			Analysis			
	Sulphate	mg/L	Lab		0	
			Analysis			
37	Conductivity	μs/cm	In situ		0	
(P84)	рН	рН	In situ		0	
	SWL	mbtoc	In situ		0	
	Bicarbonate	mg/L	Lab		0	
	bicarbonate	ilig/ L	Analysis			
	Calcium	mg/L	Lab		0	
		O,	Analysis			
	Carbonate	mg/L	Lab		0	
		_	Analysis	Overtent.		Net colordulad for assessing during assessing social
	Chloride	mg/L	Lab	Quarterly	0	Not scheduled for sampling during sampling period
			Analysis			
	Magnesium	mg/L	Lab		0	
			Analysis			
	Potassium	mg/L	Lab		0	
	6 11	/1	Analysis			
	Sodium	mg/L	Lab		0	
	Sulphate	ma/I	Analysis Lab		0	
	Sulphate	mg/L	Analysis			
38	Conductivity	μs/cm	In situ		0	
(P85)	рН	рН	In situ		0	
	SWL	mbtoc	In situ		0	

	Bicarbonate	mg/L	Lab Analysis		0	
-	Calcium	/1			0	
	Calcium	mg/L	Lab		0	
+	Carbonate	mg/L	Analysis Lab		0	
	Carbonate	mg/L	Analysis		0	
	Chloride	mg/L	Lab		0	Not scheduled for sampling during sampling period
	Chloride	Hig/L	Analysis	Quarterly	U	Not seneduled for sampling during sampling period
	Magnesium	mg/L	Lab		0	
			Analysis			
	Potassium	mg/L	Lab		0	
			Analysis			
	Sodium	mg/L	Lab		0	
			Analysis			
	Sulfate	mg/L	Lab		0	
			Analysis			
39 (P88)	Conductivity	μs/cm	In situ		0	
	рН	рН	In situ		0	
	SWL	mbtoc	In situ		0	
	Bicarbonate	mg/L	Lab		0	
		-	Analysis			
	Calcium	mg/L	Lab		0	
			Analysis			
	Carbonate	mg/L	Lab		0	
			Analysis	O a mt a ml		Not scheduled for sampling during sampling period
	Chloride	mg/L	Lab	Quarterly	0	
			Analysis			
	Magnesium	mg/L	Lab		0	
			Analysis			
	Potassium	mg/L	Lab		0	
			Analysis			
	Sodium	mg/L	Lab		0	
			Analysis			
	Sulfate	mg/L	Lab		0	
			Analysis			

40 (P89)	Conductivity	μs/cm	In situ		0	
, ,	рН	рН	In situ		0	
	SWL	mbtoc	In situ		0	
	Bicarbonate	mg/L	Lab Analysis		0	
	Calcium	mg/L	Lab Analysis		0	
	Carbonate	mg/L	Lab Analysis	Overstank	0	Not scheduled for sampling during sampling period
	Chloride	mg/L	Lab Analysis	Quarterly	0	
	Magnesium	mg/L	Lab Analysis		0	
	Potassium	mg/L	Lab Analysis		0	
	Sodium	mg/L	Lab Analysis		0	
	Sulphate	mg/L	Lab Analysis		0	
43	Conductivity	μs/cm	In situ		0	
(SD9)	рН	рН	In situ		0	
	SWL	mbtoc	In situ		0	
	Bicarbonate	mg/L	Lab Analysis		0	
	Calcium	mg/L	Lab Analysis		0	
	Carbonate	mg/L	Lab Analysis		0	No discharge occurred during sampling period (SD9)
	Chloride	mg/L	Lab Analysis		0	
	Magnesium	mg/L	Lab Analysis		0	
	Potassium	mg/L	Lab Analysis		0	



	Sodium	mg/L	Lab	
			Analysis	
	Sulphate	mg/L	Lab	
			Analysis	



# Table 2 - Pollutant Limits Apply (Water)

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 or Only Value	EPL Limit	Exceedance (Yes/No)	Comments (Mine Site Sample ID)
	TSS	mg/L	Lab Analysis		0					-	50	NA	
11	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0		No discharge o	ccurred during s	sampling period	1	10	NA	SD4
	рН	рН	In situ		0						6.5- 8.5	NA	
	TSS	mg/L	Lab Analysis		0						50	NA	
13	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0	No discharge occurred during sampling period					10	NA	SD2
	рН	рН	In situ		0						6.5- 8.5	NA	
	TSS	mg/L	Lab Analysis		0						50	NA	
18	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0		No discharge o	ccurred during s	sampling period	1	10	NA	SD7
	рН	рН	In situ		0						6.5- 8.5	NA	
	TDS	mg/L	Lab Analysis	Upon	0				. , .,		350	NA	
24	рН	рН	In situ	discharge	0	Namoi	discharge point	– Not construct	ted or currently	utilisea.	6.5- 8.5	NA	NR1
	TSS	mg/L	Lab Analysis		0						50	NA	
27	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0	No discharge occurred during sampling period				1	10	NA	SD8
	рН	рН	In situ		0						6.5- 8.5	NA	
43	TSS	mg/L	Lab Analysis	Upon discharge	0		No discharge o	ccurred during s	sampling period	1	50	NA	SD9



Oil & Grease	mg/L	Lab Analysis	0	10	NA	
На	На	In situ	0	6.5-	NA	
рп	рп			8.5		



## Table 3 – Quarterly Attended Noise Monitoring results summary table

Nosie monitoring not scheduled in January 2025. Next scheduled sampling is for March 2025.

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 (D/E/N)	Compliant (Yes/No)	Date Obtained
						Day, Evening & Night:	Day – 1.5 hrs			
N5 <sup>1</sup>						35 <u>Night</u>	Evening – 0.5 hrs			
						<u>La1 (1 min):</u> 45	Night – 1 hr			
						Day, Evening & Night:	Day – 1.5 hrs			
N6						35 <u>Night</u>	Evening – 0.5 hrs			
						<u>LA1 (1 min):</u> 45	Night – 1 hr			
						Day, Evening & Night:	Day – 1.5 hrs			
N8 <sup>1</sup>						35 <u>Night</u>	Evening – 0.5 hrs			
						<u>LA1 (1 min):</u> 45	Night – 1 hr			
						Day, Evening & Night:	Day – 1.5 hrs			
N9 <sup>1</sup>						35 <u>Night</u>	Evening – 0.5 hrs			
						<u>L<sub>A1 (1 min)</sub>:</u> 45	Night – 1 hr			

Figure 1 – EPL 12789 Monitoring Locations

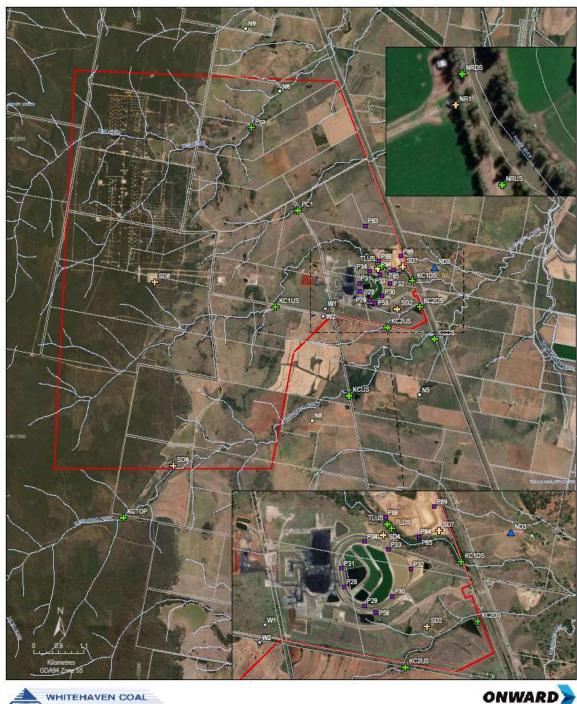




Figure 1 EPL 12789 Monitoring Locations February 2024



#### NARRABRI MINE – MONTHLY MONITORING SUMMARY

#### **Site Information**

**EPL No:** 12789

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

Licensee: Narrabri Coal Operations Pty Ltd

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

**EPL Monitoring Points:** See Figure 1 below

Sampling Period: February 2025 Obtained Date: 27.02.2025 Publication Date: 13.03.2025



Table 1 – No Pollutant Limits Apply

	Units of Sample Monitoring No. of Dates Date Min Mean Median May or												
EPL ID	Pollutant	Units of Measure	Sample Method	Monitoring Frequency	No. of Samples for the Month	Dates 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	12/02/2025	27/02/2025	NA	NA	NA	0.3		
11	Conductivity	μs/cm	In situ	Upon discharge		No	o discharge occu	rrad durina san	anling period (S	D4)			
(SD4)	тос	mg/L	Lab Analysis	(within 12 hours)		NC	aischarge occu	rrea during san	inpling period (3	<i>D4)</i>			
	Conductivity	μs/cm	In situ	Upon									
13 (SD2)	тос	mg/L	Lab Analysis	discharge (within 12									
	тос	mg/L	Lab Analysis	hours)									
	Conductivity	μs/cm	In situ	In the event									
	тос	mg/L	Lab Analysis	of flow during the quarter &									
14 (KC1US)	Oil & Grease	mg/L	Lab Analysis	after each wet weather			No flow record	led during disch	narge of EPL 43				
(103)	рН	рН	In situ	discharge									
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27, 43									
	Conductivity	μs/cm	In situ	In the event									
	тос	mg/L	Lab Analysis	of flow during the quarter &	er &								
15 (KC1DS)	Oil & Grease	mg/L	Lab Analysis	after each wet weather			No flow record	led during disch	narge of EPL 43				
(	рН	рН	In situ	discharge									
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27, 43	, 13, 18,27,								

	T	,			
	Conductivity	μs/cm	In situ	In the event	
	тос	mg/L	Lab Analysis	of flow during the quarter &	
16 (KC2US)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	No flow recorded during discharge of EPL 43
(110203)	рН	рН	In situ	discharge	
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27, 43	
	Conductivity	μs/cm	In situ	In the event	
	тос	mg/L	Lab Analysis	of flow during the quarter &	
17 (KC2DS)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	No flow recorded during discharge of EPL 43
(5255)	рН	рН	In situ	discharge	
	TSS Conductivity	mg/L	Lab Analysis	from points 11, 13, 18,27,43	
18		μs/cm	In Situ	Upon discharge	
(SD7)	тос	mg/L	Lab Analysis	(within 12 hours)	No discharge occurred during sampling period (SD7)
	Conductivity	μs/cm	In situ	In the event of flow during	
10	тос	mg/L	Lab Analysis	the quarter & after each	
19 (KCUS)	Oil & Grease	mg/L	Lab Analysis	wet weather discharge	No flow events and/or mine discharge occurred during sampling period (KCUS)
	рН	рН	In situ	from points	
	TSS	mg/L	Lab Analysis	11, 13, 18,27,43	
		μs/cm	In situ	In the event	
20 (KCDS)	тос	mg/L	Lab Analysis	of flow during the quarter &	No flow events and/or mine discharge occurred during sampling period (KCDS)
(אכטט)	Oil & Grease	mg/L	Lab Analysis	after each	

	рН	рН	In situ	discharge	
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27,43	
	Conductivity	μs/cm	In situ	In the event	
	тос	mg/L	Lab Analysis	of flow during the quarter &	
21 (PCa)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	No flow events and/or mine discharge occurred during sampling period (PCa)
(r Ca)	рН	рН	In situ	discharge	
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27,43	
	Conductivity	μs/cm	In situ	In the event	
	тос	mg/L	Lab Analysis	of flow during the quarter &	
22 (PC1)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	No flow events and/or mine discharge occurred during sampling period (PC1)
(1 61)	рН	рН	In situ	discharge	
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27,43	
24	рН	рН	In situ	Upon	
(NR1)	TDS	mg/L	Lab Analysis	Discharge (within 4 hrs)	Namoi discharge point – Not constructed or currently utilised (NR1)
25	рН	рН	In situ	Upon	
(NRUS)	TDS	mg/L	Lab Analysis	Discharge (within 4 hrs)	Namoi discharge point – Not constructed or currently utilised (NRUS)
26	рН	рН	In situ	Upon	
(NRDS)	(NRDS) TDS mg/	mg/L	Lab Analysis	Discharge (within 4 hrs)	Namoi discharge point – Not constructed or currently utilised (NRDS)
20	Conductivity	μs/cm	In situ		
28 (P28)	рН	рН	In situ	Quarterly	Bore was dry during sampling period
(1 20)	SWL	mbtoc			

	Bicarbonate	mg/L	Lab Analysis								
	Calcium	mg/L	Lab Analysis								
	Carbonate	mg/L	Lab Analysis								
	Chloride	mg/L	Lab Analysis								
	Magnesium	mg/L	Lab Analysis								
	Potassium	mg/L	Lab Analysis								
	Sodium	mg/L	Lab Analysis								
	Sulphate	mg/L	Lab Analysis								
	Conductivity	μs/cm	In situ		1	04/02/2025	18/02/2025	NA	NA	NA	13060
	рН	рН	In situ		1	04/02/2025	18/02/2025	NA	NA	NA	7.02
	SWL	mbtoc	In situ		1	04/02/2025	18/02/2025	NA	NA	NA	4.45
	Bicarbonate	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	685
	Calcium	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	120
29 (P29)	Carbonate	mg/L	Lab Analysis	Quarterly	1	04/02/2025	18/02/2025	NA	NA	NA	<1
	Chloride	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	5150
	Magnesium	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	290
	Potassium	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	5
	Sodium	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	3290



	Sulphate	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	634
	Conductivity	μs/cm	In situ		1	04/02/2025	18/02/2025	NA	NA	NA	20800
	рН	рН	In situ		1	04/02/2025	18/02/2025	NA	NA	NA	6.82
	SWL	mbtoc	In situ		1	04/02/2025	18/02/2025	NA	NA	NA	10.51
	Bicarbonate	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	918
	Calcium	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	134
30	Carbonate	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	<1
(P30)	Chloride	mg/L	Lab Analysis	Quarterly	1	04/02/2025	18/02/2025	NA	NA	NA	4880
	Magnesium	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	359
	Potassium	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	18
	Sodium	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	3220
	Sulphate	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	1040
	Conductivity	μs/cm	In situ		1	04/02/2025	18/02/2025	NA	NA	NA	6930
	рН	рН	In situ		1	04/02/2025	18/02/2025	NA	NA	NA	7.01
	SWL	mbtoc	In situ		1	04/02/2025	18/02/2025	NA	NA	NA	16.45
31	Bicarbonate	mg/L	Lab Analysis	Quartarly	1	04/02/2025	18/02/2025	NA	NA	NA	881
(P31)	Calcium	mg/L	Lab Analysis	Quarterly	1	04/02/2025	18/02/2025	NA	NA	NA	96
	Carbonate	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	<1
	Chloride	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	1490



	Magnesium	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	174
	Potassium	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	15
	Sodium	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	1260
	Sulphate	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	337
	Conductivity	μs/cm	In situ		1	04/02/2025	18/02/2025	NA	NA	NA	1902
	рН	рН	In situ		1	04/02/2025	18/02/2025	NA	NA	NA	8.24
	SWL	mbtoc	In situ		1	04/02/2025	18/02/2025	NA	NA	NA	7.37
	Bicarbonate	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	916
	Calcium	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	<1
32	Carbonate	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	47
(P32)	Chloride	mg/L	Lab Analysis	Quarterly	1	04/02/2025	18/02/2025	NA	NA	NA	65
	Magnesium	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	2
	Potassium	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	<1
	Sodium	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	518
	Sulphate	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	57
	Conductivity	μs/cm	In situ		0			· · · ·	<del> </del>	·	
	рН	рН	In situ		0	]					
	SWL	mbtoc	In situ		0	]					
	Bicarbonate	mg/L	Lab Analysis	Quarterly	0		В	ore was dry duri	ng sampling perio	od	
33 (P33)	Calcium	mg/L	Lab Analysis		0						

	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						
	Sulphate	mg/L	Lab Analysis		0						
	Conductivity	μs/cm	In situ		0						
	рН	рН	In situ		0						
	SWL	mbtoc	In situ		0						
	Bicarbonate	mg/L	Lab Analysis		0						
	Calcium	mg/L	Lab Analysis		0						
24	Carbonate	mg/L	Lab Analysis		0						
34 (P34)	Chloride	mg/L	Lab Analysis	Quarterly	0		В	Bore was dry duri	ng sampling peri	od	
	Magnesium	mg/L	Lab Analysis		0						
	Potassium	mg/L	Lab Analysis		0						
	Sodium	mg/L	Lab Analysis		0						
	Sulphate	mg/L	Lab Analysis		0						
25	Conductivity	μs/cm	In situ		1	04/02/2025	18/02/2025	NA	NA	NA	10720
35 (P58)	рН	рН	In situ	Quarterly	1	04/02/2025	18/02/2025	NA	NA	NA	6.85
(1 30)	SWL	mbtoc	In situ		1	04/02/2025	18/02/2025	NA	NA	NA	14.08



	Bicarbonate	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	5040				
	Calcium	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	34				
	Carbonate	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	<1				
	Chloride	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	1520				
	Magnesium	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	73				
	Potassium	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	80				
	Sodium	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	3060				
	Sulfate	mg/L	Lab Analysis		1	04/02/2025	18/02/2025	NA	NA	NA	138				
	Conductivity	μs/cm	In situ		0				-1		-				
	pН	рН	In situ		0										
	SWL	mbtoc	In situ		0										
	Bicarbonate	mg/L	Lab Analysis		0										
	Calcium	mg/L	Lab Analysis		0										
36	Carbonate	mg/L	Lab Analysis		0		В	ore was dry duri	ng sampling perio	od					
(P83)	Chloride	mg/L	Lab Analysis	Quarterly	0										
	Magnesium	mg/L	Lab Analysis		0										
	Potassium	mg/L	Lab Analysis		0										
	Sodium	mg/L	Lab Analysis		0										
	Sulphate	mg/L	Lab Analysis		0										



			T		ı	1						
	Conductivity	μs/cm	In situ		1	30/01/2025	18/02/2025	NA	NA	NA	20650	
	рН	рН	In situ		1	30/01/2025	18/02/2025	NA	NA	NA	6.77	
	SWL	mbtoc	In situ		1	30/01/2025	18/02/2025	NA	NA	NA	13.49	
	Bicarbonate	mg/L	Lab Analysis		1	30/01/2025	18/02/2025	NA	NA	NA	2700	
	Calcium	mg/L	Lab Analysis		1	30/01/2025	18/02/2025	NA	NA	NA	92	
37	Carbonate	mg/L	Lab Analysis	Quartarly	1	30/01/2025	18/02/2025	NA	NA	NA	<1	
(P84)	Chloride	mg/L	Lab Analysis	Quarterly	1	30/01/2025	18/02/2025	NA	NA	NA	5970	
	Magnesium	mg/L	Lab Analysis		1	30/01/2025	18/02/2025	NA	NA	NA	409	
	Potassium	mg/L	Lab Analysis		1	30/01/2025	18/02/2025	NA	NA	NA	38	
	Sodium	mg/L	Lab Analysis		1	30/01/2025	18/02/2025	NA	NA	NA	4720	
	Sulphate	mg/L	Lab Analysis		1	30/01/2025	18/02/2025	NA	NA	NA	985	
	Conductivity	μs/cm	In situ		0							
	pН	рН	In situ		0	1						
	SWL	mbtoc	In situ		0	]						
	Bicarbonate	mg/L	Lab Analysis		0	Bore was dry during sampling period						
38	Calcium	mg/L	Lab Analysis		0		Б	ore was ary aarr	ng sumping pend	ou .		
(P85)	Carbonate	mg/L	Lab Analysis	Quarterly	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		0	
	Bicarbonate	mg/L	Lab Analysis		0	
	Calcium	mg/L	Lab Analysis		0	
39	Carbonate	mg/L	Lab Analysis	Quarterly	0	
(P88)	Chloride	mg/L	Lab Analysis	Quarterly	0	
	Magnesium	mg/L	Lab Analysis		0	
	Potassium	mg/L	Lab Analysis		0	Bore was dry during sampling period
	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		0	
40	Bicarbonate	mg/L	Lab Analysis	Quarterly	0	
(P89)	Calcium	mg/L	Lab Analysis	Quarterly	0	
	Carbonate	mg/L	Lab Analysis		0	Bore was dry during sampling period
	Chloride	mg/L	Lab Analysis		0	

	Magnesium	mg/L	Lab Analysis		0	
	Potassium	mg/L	Lab Analysis		0	
	Sodium	mg/L	Lab Analysis		0	
	Sulphate	mg/L	Lab Analysis		0	
42	Conductivity	μs/cm	In situ	Upon discharge	0	No discharge occurred during sampling period (SD9)
43 (SD9)	тос	mg/L	Lab Analysis	(within 12 hours)	0	No discharge occurred during sumpling period (309)
	Conductivity	μs/cm	In situ	In the event	0	
	тос	mg/L	Lab Analysis	of flow during the quarter &	0	
44 (KCTOP)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	0	No flow events and/or mine discharge occurred during sampling period (KCTOP)
'	рН	рН	In situ	discharge	0	
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27,43	0	



# Table 2 - Pollutant Limits Apply (Water)

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 or Only Value	EPL Limit	Exceedance (Yes/No)	Comments (Mine Site Sample ID)
	TSS	mg/L	Lab Analysis		0					-	50	NA	
11	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0		No discharge od	ccurred during sam	pling period		10	NA	SD4
	рН	рН	In situ		0						6.5-8.5	NA	
	TSS	mg/L	Lab Analysis		0						50	NA	Ī
13	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0		No discharge occurred during sampling period				10	NA	SD2
	рН	рН	In situ		0						6.5-8.5	NA	
	TSS	mg/L	Lab Analysis		0						50	NA	
18	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0		No discharge od	ccurred during sam	pling period		10	NA	SD7
	рН	рН	In situ		0						6.5-8.5	NA	
24	TDS	mg/L	Lab Analysis	Upon	0	Namo	ni discharae noint	– Not constructed (	or currently utilised		350	NA	NR1
	рН	рН	In situ	discharge	0	, vanne	or alserrarge point	TVOE CONSTRUCTED C	or currently utilised		6.5-8.5	NA	1411.1
	TSS	mg/L	Lab Analysis		0						50	NA	
27	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0		No discharge od	ccurred during sam	pling period		10	NA	SD8
	рН	рН	In situ		0						6.5-8.5	NA	
	TSS	mg/L	Lab Analysis		0				50	Noª			
43	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0	No discharge occurred during sampling period 10 No			SD9				
	рН	рН	In situ		0	6.5-8.5				No			



### Table 3 – Quarterly Attended Noise Monitoring results summary table

Nosie monitoring not scheduled in February 2025. Next scheduled sampling is for March 2025.

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 (D/E/N)	Compliant (Yes/No)	Date Obtained
						Day, Evening & Night:	Day – 1.5 hrs			
N5						35	Evening – 0.5			
113						<u>Night</u>	hrs			
						<u>L<sub>A1 (1 min):</sub></u> 45	Night – 1 hr			
						Day, Evening & Night:	Day – 1.5 hrs			
N6						35	Evening – 0.5			
IND						<u>Night</u>	hrs			
						L <sub>A1 (1 min)</sub> : 45	Night – 1 hr			
						Day, Evening &	Day – 1.5 hrs			
						Night:	Day 1.5 1113			
N8						35 Night	Evening – 0.5 hrs			
						LA1 (1 min): 45	Night – 1 hr			
						Day, Evening & Night:	Day – 1.5 hrs			•
N9						35 Night	Evening – 0.5 hrs			-
						La1 (1 min):	1113			1
						45	Night – 1 hr			

Figure 1 – EPL 12789 Monitoring Locations





#### NARRABRI MINE – MONTHLY MONITORING SUMMARY

#### **Site Information**

**EPL No:** 12789

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

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 2025 Obtained Date: 15.04.2025 Publication Date: 17.04.2025



Table 1 – No Pollutant Limits Apply

	Table 1 – No Poliutant Limits Apply											
EPL ID	Pollutant	Units of Measure	Sample Method	Monitoring Frequency	No. of Samples for the Month	Dates 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	13/03/2025	26/03/2025	NA	NA	NA	0.4	
11	Conductivity	μs/cm	In situ	Upon discharge	1	30/03/2025	7/04/2025	NA	NA	NA	361	
(SD4)	тос	mg/L	Lab Analysis	(within 12 hours)	1	30/03/2025	7/04/2025	NA	NA	NA	14	
13	Conductivity	μs/cm	In situ	Upon discharge	1	29/03/2025	7/04/2025	NA	NA	NA	416	
(SD2)	тос	mg/L	Lab Analysis	(within 12 hours)	1	29/03/2025	7/04/2025	NA	NA	NA	12	
	Conductivity	μs/cm	In situ	In the event	1	30/03/2025	7/04/2025	NA	NA	NA	26.13	
	тос	TOC mg/l Lab of flow during	of flow during the quarter &	1	30/03/2025	7/04/2025	NA	NA	NA	18		
14 (KC1US)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	1	30/03/2025	7/04/2025	NA	NA	NA	<5	
(RC103)	рН	рН	In situ	discharge	1	30/03/2025	7/04/2025	NA	NA	NA	7.46	
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27, 43	1	30/03/2025	7/04/2025	NA	NA	NA	52	
	Conductivity	μs/cm	In situ	In the event	1	30/03/2025	7/04/2025	NA	NA	NA	237	
	тос	mg/L	Lab Analysis	of flow during the quarter &	1	30/03/2025	7/04/2025	NA	NA	NA	16	
15 (KC1DS)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	1	30/03/2025	7/04/2025	NA	NA	NA	<5	
(NCIDS)	рН	рН	In situ	discharge from points 11, 13, 18,27, 43	1	30/03/2025	7/04/2025	NA	NA	NA	8.34	
	TSS	mg/L	Lab Analysis		1	30/03/2025	7/04/2025	NA	NA	NA	226	



	Conductivity	μs/cm	In situ	In the event	1	29/03/2025	7/04/2025	NA	NA	NA	26.25
	тос	mg/L	Lab Analysis	of flow during the quarter &	1	29/03/2025	7/04/2025	NA	NA	NA	10
16 (KC2US)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	1	29/03/2025	7/04/2025	NA	NA	NA	<5
(1.0200)	рН	рН	In situ	discharge	1	29/03/2025	7/04/2025	NA	NA	NA	7.05
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27, 43	1	29/03/2025	7/04/2025	NA	NA	NA	130
	Conductivity	μs/cm	In situ	In the event	1	29/03/2025	7/04/2025	NA	NA	NA	447
	тос	mg/L	Lab Analysis	of flow during the quarter &	1	29/03/2025	7/04/2025	NA	NA	NA	9
17 (KC2DS)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	1	29/03/2025	7/04/2025	NA	NA	NA	<5
(	рН	рН	In situ	discharge	1	29/03/2025	7/04/2025	NA	NA	NA	8.05
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27,43	1	29/03/2025	7/04/2025	NA	NA	NA	81
18	Conductivity	μs/cm	In Situ	Upon discharge			No disabassas		aliana ania d		
(SD7)	тос	mg/L	Lab Analysis	(within 12 hours)			No discharge occu	urrea auring sam	piing perioa (SD7	,	
	Conductivity	μs/cm	In situ	In the event of flow during	1	29/03/2025	7/04/2025	NA	NA	NA	Probe error
10	тос	mg/L	Lab Analysis	the quarter & after each	1	29/03/2025	7/04/2025	NA	NA	NA	10
19 (KCUS)	Oil & Grease	mg/L	Lab Analysis	wet weather discharge	1	29/03/2025	7/04/2025	NA	NA	NA	<5
	рН	рН	In situ	from points	1	29/03/2025	7/04/2025	NA	NA	NA	7.79
	TSS	mg/L	Lab Analysis	11, 13, 18,27,43	1	29/03/2025	7/04/2025	NA	NA	NA	456
20	Conductivity	μs/cm	In situ	In the event	1	31/03/2025	11/04/2025	NA	NA	NA	359
(KCDS)	тос	mg/L	Lab Analysis	of flow during the quarter &	1	31/03/2025	11/04/2025	NA	NA	NA	25



	Oil & Grease	mg/L	Lab Analysis	after each wet weather	1	31/03/2025	11/04/2025	NA	NA	NA	<5
	рН	рН	In situ	discharge	1	31/03/2025	11/04/2025	NA	NA	NA	7.54
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27,43	1	31/03/2025	11/04/2025	NA	NA	NA	12
	Conductivity	μs/cm	In situ	In the event	1	1/04/2025	10/04/2025				122
	тос	mg/L	Lab Analysis	of flow during the quarter &	1	1/04/2025	10/04/2025				17
21 (PCa)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	1	1/04/2025	10/04/2025		larch. Sampled w vailable (1/4/202		<5
( == ,	рН	рН	In situ	discharge	1	1/04/2025	10/04/2025			,	7.48
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27,43	1	1/04/2025	10/04/2025				63
	Conductivity	μs/cm	In situ	In the event	1	31/03/2025	11/04/2025	NA	NA	NA	100.1
	тос	mg/L	Lab Analysis	of flow during the quarter &	1	31/03/2025	11/04/2025	NA	NA	NA	14
22 (PC1)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	1	31/03/2025	11/04/2025	NA	NA	NA	<5
(* 5=)	рН	рН	In situ	discharge	1	31/03/2025	11/04/2025	NA	NA	NA	7.12
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27,43	1	31/03/2025	11/04/2025	NA	NA	NA	49
24	рН	рН	In situ	Upon							
(NR1)	TDS	mg/L	Lab Analysis	Discharge (within 4 hrs)		Namoi d	lischarge point –	Not constructed	or currently utilis	ed (NR1)	
25	рН	рН	In situ	Upon							
(NRUS)	TDS	mg/L	Lab Analysis	Discharge (within 4 hrs)		Namoi d	ischarge point – I	Not constructed c	or currently utilise	ed (NRUS)	
26	рН	рН	In situ	Upon	Upon						
(NRDS)	TDS	mg/L	Lab Analysis	Discharge (within 4 hrs)							
28	Conductivity	μs/cm	In situ	Quarterly	0	_					
(P28)	рН	рН	In situ	Quarterry	0						

	SWL	mbtoc	In situ		0	
	Bicarbonate	mg/L	Lab Analysis		0	
	Calcium	mg/L	Lab Analysis		0	
	Carbonate	mg/L	Lab Analysis		0	Not scheduled for sampling during sampling period
	Chloride	mg/L	Lab Analysis		0	
	Magnesium	mg/L	Lab Analysis		0	
	Potassium	mg/L	Lab Analysis		0	
	Sodium	mg/L	Lab Analysis		0	
	Sulphate	mg/L	Lab Analysis		0	
	Conductivity	μs/cm	In situ		0	
	рН	рН	In situ		0	
	SWL	mbtoc	In situ		0	
	Bicarbonate	mg/L	Lab Analysis		0	
	Calcium	mg/L	Lab Analysis		0	
29 (P29)	Carbonate	mg/L	Lab Analysis	Quarterly	0	Not scheduled for sampling during sampling period
	Chloride	mg/L	Lab Analysis		0	
	Magnesium	mg/L	Lab Analysis		0	
	Potassium	mg/L	Lab Analysis		0	
	Sodium	mg/L	Lab Analysis		0	

	Sulphate	mg/L	Lab Analysis		0							
	Conductivity	μs/cm	In situ		0							
	рН	рН	In situ		0							
	SWL	mbtoc	In situ		0							
	Bicarbonate	mg/L	Lab Analysis		0							
	Calcium	mg/L	Lab Analysis		0							
30	Carbonate	mg/L	Lab Analysis		0							
(P30)	Chloride	mg/L	Lab Analysis	Quarterly	0	Not scheduled for sampling during sampling period						
	Magnesium	mg/L	Lab Analysis		0							
	Potassium	mg/L	Lab Analysis		0							
	Sodium	mg/L	Lab Analysis					0				
	Sulphate	mg/L	Lab Analysis		0							
	Conductivity	μs/cm	In situ		0							
	рН	рН	In situ	Quarterly	0							
	SWL	mbtoc	In situ					0				
31	Bicarbonate	mg/L	Lab Analysis									Out the state of
(P31)	Calcium	mg/L	Lab Analysis		0	Not scheduled for sampling during sampling period						
	Carbonate	mg/L	Lab Analysis			Ī	Ī	Ī			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				
	Sulphate	mg/L	Lab Analysis		0				
	Conductivity	μs/cm	In situ		0				
	рН	pН	In situ		0				
	SWL	mbtoc	In situ		0	1			
	Bicarbonate	mg/L	Lab Analysis		0				
	Calcium	mg/L	Lab Analysis		0				
32	Carbonate	mg/L	Lab Analysis	Ī	0				
(P32)	Chloride	mg/L	Lab Analysis	Quarterly	0	Not scheduled for sampling during sampling period			
	Magnesium	mg/L	Lab Analysis					0	
	Potassium	mg/L	Lab Analysis		0				
	Sodium	mg/L	Lab Analysis		0				
	Sulphate	mg/L	Lab Analysis		0				
	Conductivity	μs/cm	In situ		0				
	рН	рН	In situ		0				
	SWL	mbtoc	In situ	Quarterly	0				
	Bicarbonate	mg/L	Lab Analysis		0	Not scheduled for sampling during sampling period			
33 (P33)	Calcium	mg/L	Lab Analysis		0				

	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	
	Sulphate	mg/L	Lab Analysis		0	
	Conductivity	μs/cm	In situ		0	
	рН	рН	In situ		0	
	SWL	mbtoc	In situ		0	
	Bicarbonate	mg/L	Lab Analysis		0	
	Calcium	mg/L	Lab Analysis		0	
24	Carbonate	mg/L	Lab Analysis		0	
34 (P34)	Chloride	mg/L	Lab Analysis	Quarterly	0	Not scheduled for sampling during sampling period
	Magnesium	mg/L	Lab Analysis		0	
	Potassium	mg/L	Lab Analysis		0	
	Sodium	mg/L	Lab Analysis		0	
	Sulphate	mg/L	Lab Analysis		0	
25	Conductivity	μs/cm	In situ		0	
35 (P58)	рН	рН	In situ	Quarterly	0	
(1-30)	SWL	mbtoc	In situ		0	

	Bicarbonate	mg/L	Lab Analysis		0	
	Calcium	mg/L	Lab Analysis		0	
	Carbonate	mg/L	Lab Analysis		0	
	Chloride	mg/L	Lab Analysis		0	Not scheduled for sampling during sampling period
	Magnesium	mg/L	Lab Analysis		0	Troc seried area for sampling during sampling period
	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		0	
	Bicarbonate	mg/L	Lab Analysis		0	
	Calcium	mg/L	Lab Analysis		0	
36	Carbonate	mg/L	Lab Analysis		0	Not scheduled for sampling during sampling period
(P83)	Chloride	mg/L	Lab Analysis	Quarterly	0	
	Magnesium	mg/L	Lab Analysis		0	
	Potassium	mg/L	Lab Analysis		0	
	Sodium	mg/L	Lab Analysis		0	
	Sulphate	mg/L	Lab Analysis		0	

	Conductivity	μs/cm	In situ		0	
	рН	рН	In situ		0	
	SWL	mbtoc	In situ		0	
	Bicarbonate	mg/L	Lab Analysis		0	
	Calcium	mg/L	Lab Analysis		0	
37	Carbonate	mg/L	Lab Analysis	Quarterly	0	Net colored and for a morphism decrine according to a size d
(P84)	Chloride	mg/L	Lab Analysis		0	Not scheduled for sampling during sampling period
	Magnesium	mg/L	Lab Analysis		0	
	Potassium	mg/L	Lab Analysis		0	
	Sodium	mg/L	Lab Analysis		0	
	Sulphate	mg/L	Lab Analysis		0	
	Conductivity	μs/cm	In situ		0	
	рН	рН	In situ		0	
	SWL	mbtoc	In situ		0	
	Bicarbonate	mg/L	Lab Analysis		0	Not scheduled for sampling during sampling period
38	Calcium	mg/L	Lab Analysis		0	
(P85)	Carbonate	mg/L	Lab Analysis	Quarterly	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		0	
	Bicarbonate	mg/L	Lab Analysis	Quarterly	0	
	Calcium	mg/L	Lab Analysis		0	
39	Carbonate	mg/L	Lab Analysis		0	Not scheduled for sampling during sampling period
(P88)	Chloride	mg/L	Lab Analysis		0	Not scrieduled for sampling during sampling period
	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		0	
40	Bicarbonate	mg/L	Lab Analysis	Quartarly	0	
(P89)	Calcium	mg/L	Lab Analysis	Quarterly	0	Not scheduled for sampling during sampling period
	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						
	Sulphate	mg/L	Lab Analysis		0						
42	Conductivity	μs/cm	In situ	Upon discharge	1	29/03/2025	07/04/2025	NA	NA	NA	154
43 (SD9)	тос	mg/L	Lab Analysis	(within 12 hours)	1	29/03/2025	07/04/2025	NA	NA	NA	4
	Conductivity	μs/cm	In situ	In the event	1	29/03/2025	07/04/2025	NA	NA	NA	9.19
	тос	mg/L	Lab Analysis	of flow during the quarter &	1	29/03/2025	07/04/2025	NA	NA	NA	9
44 (KCTOP)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	1	29/03/2025	07/04/2025	NA	NA	NA	<5
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	рН	рН	In situ	discharge	1	29/03/2025	07/04/2025	NA	NA	NA	6.95
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27,43	1	29/03/2025	07/04/2025	NA	NA	NA	154



### Table 2 - Pollutant Limits Apply (Water)

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 or Only Value	EPL Limit	Exceedance (Yes/No)	Comments (Mine Site Sample ID)	
	TSS	mg/L	Lab Analysis	Upon discharge	1	30/03/2025	07/04/2025	NA	NA	156	50	Noa	SD4	
11	Oil & Grease	mg/L	Lab Analysis		1	30/03/2025	07/04/2025	NA	NA	<5	10	No		
	рН	рН	In situ		1	30/03/2025	07/04/2025	NA	NA	8.38	6.5-8.5	No		
	TSS mg/L	Lab Analysis		1	29/03/2025	07/04/2025	NA	NA	98	50	Noa			
13	Oil & Grease	mg/L	Lab Analysis	Upon discharge	1	29/03/2025	07/04/2025	NA	NA	<5	10	No	SD2	
	рН	рН	In situ		1	29/03/2025	07/04/2025	NA	NA	8.34	6.5-8.5	No		
	TSS	mg/L	Lab Analysis	Upon discharge	0							NA		
18	Oil & Grease	mg/L	Lab Analysis		0		No discharge	e occurred during so		10	NA	SD7		
	рН	рН	In situ		0							NA		
24	TDS	mg/L	Lab Analysis	Upon	0	No	amoi discharae no	int – Not constructe	ed or currently utilise	ed.	350	NA	NR1	
	рН	рН	In situ	discharge	0		intor disertal ge pol	int Not constructe	a or currently atmos		6.5-8.5	NA		
	TSS	mg/L	Lab Analysis		0	No discharge occurred during sampling period					50	NA		
27	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0						10	NA	SD8	
	рН	рН	In situ		0					6.5-8.5	NA			
	TSS	mg/L	Lab Analysis	Upon discharge	1	29/03/2025	07/04/2025	NA	NA	772	50	Noª		
43	Oil & Grease	mg/L	Lab Analysis		1	29/03/2025	07/04/2025	NA	NA	<5	10	No	SD9	
	рН	рН	In situ		1	29/03/2025	07/04/2025	NA	NA	7.98	6.5-8.5	No		

<sup>&</sup>lt;sup>a</sup> Total Suspended Solids (TSS) concentration limit did not apply as per EPL12789 Condition L2.5(a) as the controlled discharge occurred solely because of rainfall exceeding 38.4mm over a consecutive 5-day period (triggered 28/03/2025).



Table 3 – Quarterly Attended Noise Monitoring results summary table

EPL ID	Date	Measured Levels – dB(A) Leq 15min Day	Measured Levels – dB(A) L <sub>eq 15min</sub> Evening	Measured Levels – dB(A) Leq 15min Night	Measured Levels – dB(A) La1 (1 min) Night	Limit(s)	Measurement Periods	Weather Compliant Conditions (D/E/N)		ant ons	Compliant (Yes/No)	Date Obtained
	24/03/2025 <sup>2</sup>	N/M	I/A	25	28	Day, Evening & Night:	Day – 1.5 hrs	N	Υ	Υ	Y	
N5¹	25/03/2025 <sup>2</sup>	I/A	32	27	36	35 <u>Night</u>	Evening – 0.5 hrs	N	Υ	Υ	Y	
	26/03/2025 <sup>2</sup>	I/A	20	I/A	I/A	<u>L<sub>A1 (1 min)</sub>:</u> 45	Night – 1 hr	N	Υ	Υ	Y	
	24/03/2025 <sup>2</sup>	30	26	20	23	Day, Evening & Night:	Evening – 0.5 N	Υ	Υ	Υ	Υ	
N6	25/03/2025 <sup>2</sup>	N/M	N/M	30	39	35 <u>Night</u>		N	Υ	Υ	Υ	
	26/03/2025 <sup>2</sup>	30	N/M	N/M	N/M	<u>La1 (1 min):</u> 45		Υ	Υ	Υ	Y	15/04/2025
	24/03/2025 <sup>2</sup>	32	I/A	I/A	I/A	Day, Evening & Night:	Day – 1.5 hrs	N	Υ	Υ	Υ	13/04/2023
N8 <sup>1</sup>	25/03/2025 <sup>2</sup>	I/A	N/M	N.M	N/M	35 <u>Night</u>	Evening – 0.5 hrs	N	Υ	Υ	Υ	
	26/03/2025 <sup>2</sup>	I/A	25	30	32	La1 (1 min): 45	Night – 1 hr	N	Υ	Υ	Υ	
	24/03/2025 <sup>2</sup>	32	I/A	I/A	I/A	Day, Evening & Night:	Day – 1.5 hrs	Υ	Υ	Υ	Y	
N9	25/03/2025 <sup>2</sup>	I/A	I/A	30	34	35 <u>Night</u>		N	Υ	Υ	Υ	
	26/03/2025 <sup>2</sup>	I/A	I/A	I/A	I/A	<u>L<sub>A1 (1 min)</sub>:</u> 45	Night – 1 hr	Υ	Υ	Υ	Y	

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

Note 2: Evening and Night monitoring conducted on this date, Day monitoring conducted during the following day period

Note 1: Property is owned by Narrabri Coal Operations. Noise limits contained 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 are not applicable.

Figure 1 – EPL 12789 Monitoring Locations

