

#### 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: January 2024 Obtained Date: 08/02/2024 Publication Date: 15/02/2024



### Table 1 – No Pollutant 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	12/01/2024	08/02/2024	NA	NA	NA	0.9			
11	Conductivity	μs/cm	In situ	Upon discharge	No discharge occurred during sampling period (SD4)									
(SD4)	тос	mg/L	Lab Analysis	(within 12 hours)										
13	Conductivity	μs/cm	In situ	Upon discharge	No discharge occurred during sampling period (SD2)									
(SD2)	тос	mg/L	Lab Analysis	(within 12 hours)	tnin 12									
	Conductivity	μs/cm	In situ	In the event										
	тос	mg/L	Lab Analysis	of flow during the quarter &	No flow events and/or mine discharge occurred during sampling period (KC1US)									
14 (KC1US)	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 &										
15 (KC1DS)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	N	o flow events a	nd/or mine disc	harge occurred	l during samplir	ng period (KC1D	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 &	
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 discharge maint. Not constructed or oursenth, utilized (NDUC)						
(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			Outstade	Quarterly	Quarterly		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	Quarterly	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		0				
	Cilionae	IIIg/L	Analysis						
	Magnesium	mg/L	Lab Analysis		0				
			Lab		0				
	Potassium	mg/L	Analysis						
	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	Quarterly	0				
	Bicarbonate	mg/L	Lab Analysis		Quarterly			0	
	Calcium	mg/L	Lab Analysis			0			
32 (P32)	Carbonate	mg/L	Lab Analysis			Quarterly	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	
	Carbonate	mg/L	Lab Analysis	Quarterly	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
(1.34)	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	Quarterly	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																									
	Sulfate	mg/L	Lab Analysis		0																							
36	Conductivity	μs/cm	In situ		0																							
(P83)	рН	рН	In situ		0																							
	SWL	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 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	
37 (P84)	Conductivity	μs/cm	In situ		0	
	рН	pН	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	
	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	
38	Conductivity	μs/cm	In situ		0	
(P85)	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		_	Not solved the expension device according a pariod
	Chloride	mg/L	Lab Analysis	Quarterly	0	Not scheduled 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	
	pН	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		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		0	Not scheduled for sampling during sampling period		
	Chloride	mg/L	Lab Analysis	- Quarterly	Quarterly	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			



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	10	NA	SD4			
	рН	рН	In situ		0								
	TSS	mg/L	Lab Analysis		0						50	NA	
13	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0		No discharge o	10	NA	SD2			
	рН	рН	In situ		0	0							
	TSS	mg/L	Lab Analysis		0						50	NA	
18	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0		No discharge o	ccurred during	sampling period	ı	10	NA	SD7
	рН	рН	In situ		0								
	TDS	mg/L	Lab Analysis	Upon	0						350	NA	
24	рН	рН	In situ	discharge	0	Namoi	discharge point	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						NA	SD8
	рН	рН	In situ		0						6.5- 8.5	NA	



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

Nosie monitoring not scheduled in January. Next scheduled sampling is for March 2024.

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
N5 <sup>1</sup>						Day, Evening & Night:	Day – 1.5 hrs  Evening – 0.5			
NS						<u>Night</u> L <sub>A1 (1 min)</sub> : 45	hrs Night – 1 hr			
						Day, Evening & Night:	Day – 1.5 hrs  Evening – 0.5			
N6						Night L <sub>A1 (1 min)</sub> : 45	hrs  Night – 1 hr			
						Day, Evening & Night:	Day – 1.5 hrs			
N8 <sup>1</sup>						35 <u>Night</u> <u>La1 (1 min):</u> 45	Evening – 0.5 hrs Night – 1 hr			
						Day, Evening & Night:	Day – 1.5 hrs			
N9¹						35 <u>Night</u> <u>L<sub>A1 (1 min):</sub></u> 45	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: February 2024 Obtained Date: 14/03/2024 Publication Date: 19/03/2024



#### Table 1 – No Pollutant 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	15/02/2024	14/03/2024	NA	NA	NA	0.5	
11	Conductivity	μs/cm	In situ	Upon discharge	dicharge							
(SD4)	тос	mg/L	Lab Analysis	(within 12 hours)	(within 12					D4)		
13	Conductivity	μs/cm	In situ	Upon discharge	·							
(SD2)	тос	mg/L	Lab Analysis	(within 12 hours)								
	Conductivity	μs/cm	In situ	In the event	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 occurred	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  No flow events and/or mine discharge occurred during sampling period (KC)					ng period (KC1D	)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 from points 11, 13, 18,27						
	TSS	mg/L	Lab Analysis							
	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	Name of disabours a sint. Net another to describe while ad (ND4)					
(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 discharge maint. Not constructed or oursenth, utilized (NDUC)				
(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					Overstant	Overstank	Overstank	Overstant	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	alysis alysis alysis	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		0	
	Carbonate	mg/L	Lab Analysis	Quarterly	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
(1.34)	Carbonate	mg/L	Lab Analysis		0	
	Chloride	mg/L	Lab Analysis	ļ	0	
	Magnesium	mg/L	Lab Analysis			

	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	ma/I	Lab		0	
	Chloride	mg/L	Analysis			
	Magnasium		Lab		0	
	Magnesium	mg/L	Analysis		0	
	Detessions		Lab		0	
	Potassium	mg/L	Analysis		0	
	Codium		Lab		0	
	Sodium	mg/L			0	
	6 1 1 1 1	/1	Analysis			
	Sulphate	mg/L	Lab		0	
		,	Analysis			
37 (P84)	Conductivity	μs/cm	In situ		0	
	рН	рН	In situ		0	
	SWL	mbtoc	In situ		0	
	Bicarbonate	mg/L	Lab		0	
		O,	Analysis			
	Calcium	mg/L	Lab		0	
			Analysis			
	Carbonate	mg/L	Lab		0	
			Analysis	0		Net also della ferra consulta a desira a consulta a consulta a
	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	
			Analysis			
	Sodium	mg/L	Lab		0	
		<u>-</u> -	Analysis			
	Sulphate	mg/L	Lab		0	
	.	<u>-</u> -	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	
	pН	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	Lab Analysis Lab	0	
			Analysis			
	Sulfate	mg/L			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		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	



# 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	No discharge occurred during sampling period				50	NA	SD4	
11	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0					10	NA		
	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	Upon discharge	0	No discharge occurred during sampling period				50	NA	SD7	
18	Oil & Grease	mg/L	Lab Analysis		0					10	NA		
	рН	рН	In situ		0					6.5- 8.5	NA		
	TDS	mg/L	Lab Analysis	Upon	0					350	NA	N.D.1	
24	рН	рН	In situ	discharge	0	Namoi discharge point – Not constructed or currently utilised.				6.5- 8.5	NA	NR1	
	TSS	mg/L	Lab Analysis	Upon discharge	0						50	NA	
27	Oil & Grease	mg/L	Lab Analysis		0	No discharge occurred during sampling period				10	NA	SD8	
	рН	рН	In situ		0				6.5- 8.5	NA			



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

Nosie monitoring not scheduled in February. Next scheduled sampling is for March 2024.

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>L<sub>A1 (1 min):</sub></u> 45	Night – 1 hr			
						Day, Evening & Night:	Day – 1.5 hrs			
N6						35 <u>Night</u>	Evening – 0.5 hrs			
						LA1 (1 min): 45	Night – 1 hr			
						Day, Evening & Night:	Day – 1.5 hrs			
N8 <sup>1</sup>						35 <u>Night</u>	Evening – 0.5 hrs			
						<u>L<sub>A1 (1 min)</sub>:</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

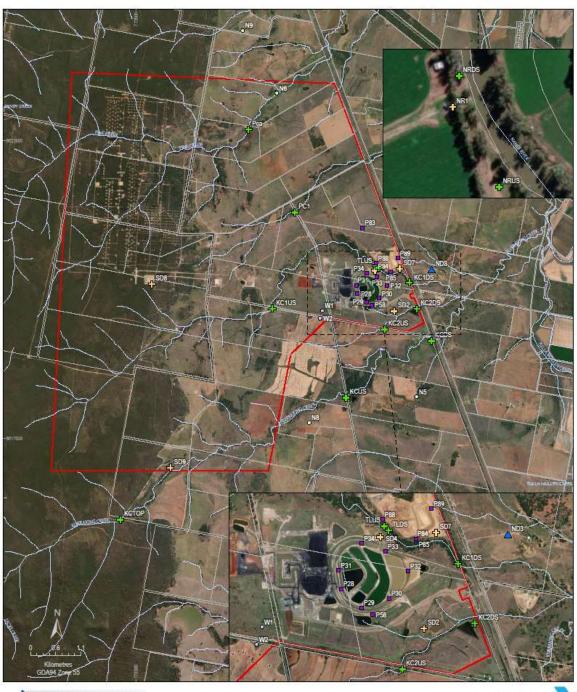




Figure 1