

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 augments, 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 ¹						Day, Evening & Night:	Day – 1.5 hrs Evening – 0.5			
NS						<u>Night</u> L _{A1 (1 min)} : 45	hrs Night – 1 hr			
						Day, Evening & Night: 35	Day – 1.5 hrs Evening – 0.5			
N6						Night L _{A1 (1 min)} : 45	hrs Night – 1 hr			
						Day, Evening & Night:	Day – 1.5 hrs			
N8 ¹						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_{A1 (1 min):}</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 augments, 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			
	Detessions		Lab		0	
	Potassium	mg/L	Analysis			
	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	
		<i>3</i> ,	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		1		50	NA			
11	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0		No discharge o	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						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 occurred during sampling period					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 construc	ted or currently	utilised.	6.5- 8.5	NA	NR1
	TSS	mg/L	Lab Analysis		0							NA	
27	Oil & Grease	mg/L	Lab Analysis	Upon discharge	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 ¹						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 ¹						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 ¹						35 <u>Night</u>	Evening – 0.5 hrs			
						<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr			

Figure 1 – EPL 12789 Monitoring Locations

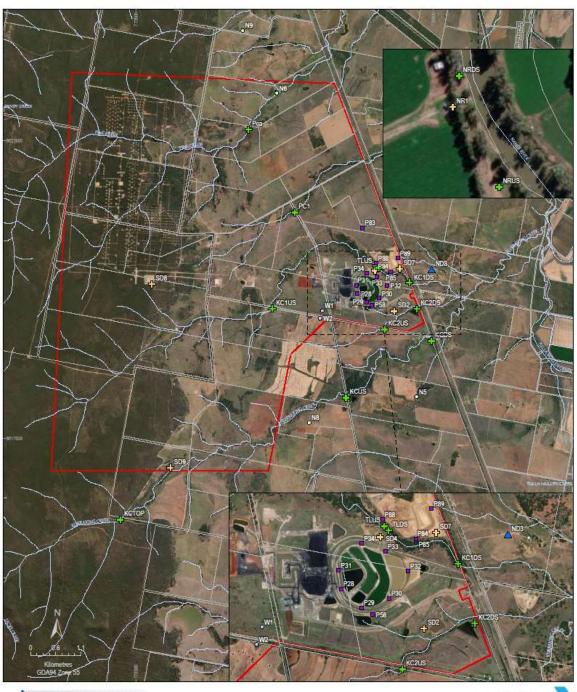




Figure 1



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: March 2024 Obtained Date: 9/4/2024 Publication Date: 19/04/2024 Table 1 - No Pollutant Limits Apply

	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	14/03/2024	03/04/2024	NA	NA	NA	0.5				
11	Conductivity	μs/cm	In situ	Upon discharge		No	discharge occu	rrad during can	anling period (504)					
(SD4)	тос	mg/L	Lab Analysis	(within 12 hours)	No discharge occurred during sampling period (SD4)										
	Conductivity	μs/cm	In situ	Upon											
13 (SD2)	тос	mg/L	Lab Analysis	discharge (within 12	No discharge occurred during sampling period (SD2)										
	тос	mg/L	Lab Analysis	hours)											
	Conductivity	μs/cm	In situ	In the event of flow during the quarter &	0		N/	1	NA	NA	NA				
	тос	mg/L	Lab Analysis		0	Ambient Flo	NA OW		NA	NA	NA				
14 (KC1US)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	0	20/03/24 (quarterly ch	neck NA		NA	NA	NA				
(10203)	рН	рН	In situ	discharge	0	completed, flow)	no NA	١	NA	NA	NA				
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27, 43	0	— How)	N.A	1	NA	NA	NA				
	Conductivity	μs/cm	In situ	In the event	0		N/	1	NA	NA	NA				
	тос	mg/L	Lab Analysis	of flow during the quarter &	0	Ambient Flo	NA OW		NA	NA	NA				
15 (KC1DS)	Oil & Grease	mg/L	Lab Analysis	after each wet weather discharge	0	20/03/24 (quarterly che	neck NA		NA	NA	NA				
(5155)	рН	рН	In situ		0	completed, flow)	no NA	\	NA	NA	NA				
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27, 43	0	niow)	NA		NA	NA	NA				



	Conductivity	μs/cm	In situ	In the event	0		NA	NA	NA	NA				
	тос	mg/L	Lab Analysis	of flow during the quarter &	0	Ambient Flow	NA	NA	NA	NA				
16 (KC2US)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	0	20/03/24 (quarterly check	NA	NA	NA	NA				
(KC2U3)	рН	рН	In situ	discharge	0	completed, no flow)	NA	NA	NA	NA				
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27, 43	0	- IIOW)	NA	NA	NA	NA				
	Conductivity	μs/cm	In situ	In the event	0		NA	NA	NA	NA				
	тос	mg/L	Lab Analysis	of flow during the quarter &	0	Ambient Flow	NA	NA	NA	NA				
17 (KC2DS)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	0	20/03/24 (quarterly check	NA	NA	NA	NA				
(NCLDS)	рН	рН	In situ	discharge	0	completed, no flow)	NA	NA	NA	NA				
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27,43	0	- now)	NA	NA	NA	NA				
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 of flow during	0		NA	NA	NA	NA				
40	тос	mg/L	Lab Analysis	the quarter & after each	0	Ambient Flow 20/03/24	NA	NA	NA	NA				
19 (KCUS)	Oil & Grease	mg/L	Lab Analysis	wet weather discharge	0	(quarterly check completed, no	NA	NA	NA	NA				
	рН	рН	In situ	from points	0	flow)	NA	NA	NA	NA				
	TSS	mg/L	Lab Analysis	11, 13, 18,27,43	0		NA	NA	NA	NA				
	Conductivity	μs/cm	In situ	In the event	0	Ambient Flow	NA	NA	NA	NA				
20 (KCDS)	тос	mg/L	Lab Analysis	of flow during the quarter & after each wet weather	0	20/03/24 (quarterly check completed, no flow)	NA	NA	NA	NA				
(KCD3)	Oil & Grease	mg/L	Lab Analysis		0		NA	NA	NA	NA				

	рН	рН	In situ	discharge	0		NA	NA	NA	NA				
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27,43	0		NA	NA	NA	NA				
	Conductivity	μs/cm	In situ	In the event	0		NA	NA	NA	NA				
	тос	mg/L	Lab Analysis	of flow during the quarter &	0	Ambient Flow	NA	NA	NA	NA				
21 (PCa)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	0	20/03/24 (quarterly check	NA	NA	NA	NA				
(. 54)	рН	рН	In situ	discharge from points 11, 13, 18,27,43	0	completed, no flow	NA	NA	NA	NA				
	TSS	mg/L	Lab Analysis		0	now	NA	NA	NA	NA				
	Conductivity	μs/cm	In situ	In the event	0		NA	NA	NA	NA				
	тос	mg/L	Lab Analysis	of flow during the quarter & after each wet weather	0	Ambient Flow 20/03/24 (quarterly check completed, no flow	NA	NA	NA	NA				
22 (PC1)	Oil & Grease	mg/L	Lab Analysis		0		NA	NA	NA	NA				
(1 01)	рН	рН	In situ	discharge	0		NA	NA	NA	NA				
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27,43	0		NA	NA	NA	NA				
24	рН	рН	In situ	Upon	Namoi discharge point – Not constructed or currently utilised (NR1)									
(NR1)	TDS	mg/L	Lab Analysis	Discharge (within 4 hrs)										
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)	TDS	mg/L	Lab Analysis	Discharge (within 4 hrs)	Namoi discharge point – Not constructed or currently utilised (NRDS)									
20	Conductivity	μs/cm	In situ		0									
28 (P28)	рН	рН	In situ	Quarterly	0	Bore was dry during sampling period								
(1 20)	SWL	mbtoc	In situ		0]								

			Lab								
	Bicarbonate	mg/L	Analysis		0						
	Calcium	mg/L	Lab		0						
			Analysis								
	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		1	20/03/2024	05/04/2024	NA	NA	NA	16460
	рН	рН	In situ		1	20/03/2024	05/04/2024	NA	NA	NA	7.38
	SWL	mbtoc	In situ		1	20/03/2024	05/04/2024	NA	NA	NA	5.18
	Bicarbonate	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	652
	Calcium	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	126
29 (P29)	Carbonate	mg/L	Lab Analysis	Quarterly	1	20/03/2024	05/04/2024	NA	NA	NA	<1
	Chloride	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	5050
	Magnesium	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	284
	Potassium	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	6
	Sodium	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	3090

					1						
	Sulphate	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	606
	Conductivity	μs/cm	In situ		1	20/03/2024	05/04/2024	NA	NA	NA	16800
	рН	рН	In situ		1	20/03/2024	05/04/2024	NA	NA	NA	7.1
	SWL	mbtoc	In situ		1	20/03/2024	05/04/2024	NA	NA	NA	12.07
	Bicarbonate	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	856
	Calcium	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	146
30	Carbonate	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	<1
(P30)	Chloride	mg/L	Lab Analysis	Quarterly	1	20/03/2024	05/04/2024	NA	NA	NA	4850
	Magnesium	mg/L	Lab Analysis	-	1	20/03/2024	05/04/2024	NA	NA	NA	357
	Potassium	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	17
	Sodium	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	3160
	Sulphate	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	813
	Conductivity	μs/cm	In situ		1	20/03/2024	05/04/2024	NA	NA	NA	6760
	рН	рН	In situ		1	20/03/2024	05/04/2024	NA	NA	NA	7.31
	SWL	mbtoc	In situ		1	20/03/2024	05/04/2024	NA	NA	NA	16.47
31	Bicarbonate	mg/L	Lab Analysis	Overstant	1	20/03/2024	05/04/2024	NA	NA	NA	837
(P31)	Calcium	mg/L	Lab Analysis	Quarterly	1	20/03/2024	05/04/2024	NA	NA	NA	86
	Carbonate	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	<1
	Chloride	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	1650



	Magnesium	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	161	
	Potassium	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	12	
	Sodium	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	1210	
	Sulphate	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	287	
	Conductivity	μs/cm	In situ		1	20/03/2024	05/04/2024	NA	NA	NA	1989	
	рН	рН	In situ		1	20/03/2024	05/04/2024	NA	NA	NA	8.29	
	SWL	mbtoc	In situ		1	20/03/2024	05/04/2024	NA	NA	NA	8.16	
	Bicarbonate	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	835	
	Calcium	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	2	
32	Carbonate	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	43	
(P32)	Chloride	mg/L	Lab Analysis	Quarterly	1	20/03/2024	05/04/2024	NA	NA	NA	101	
	Magnesium	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	5	
	Potassium	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	<1	
	Sodium	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	501	
	Sulphate	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	62	
	Conductivity	μs/cm	In situ		0	20/03/2024	05/04/2024	NA	NA	NA	16490	
	рН	рН	In situ		0	20/03/2024	05/04/2024	NA	NA	NA	7.23	
	SWL	mbtoc	In situ		0	20/03/2024	05/04/2024	NA	NA	NA	15.28	
	Bicarbonate	mg/L	Lab Analysis	Quarterly	Quarterly	0	20/03/2024	05/04/2024	NA	NA	NA	774
33	Calcium	mg/L	Lab Analysis		0	20/03/2024	05/04/2024	NA	NA	NA	94	



(P33)	Carbonate	mg/L	Lab Analysis		0	20/03/2024	05/04/2024	NA	NA	NA	<1
	Chloride	mg/L	Lab Analysis		0	20/03/2024	05/04/2024	NA	NA	NA	5090
	Magnesium	mg/L	Lab Analysis		0	20/03/2024	05/04/2024	NA	NA	NA	287
	Potassium	mg/L	Lab Analysis		0	20/03/2024	05/04/2024	NA	NA	NA	12
	Sodium	mg/L	Lab Analysis		0	20/03/2024	05/04/2024	NA	NA	NA	3500
	Sulphate	mg/L	Lab Analysis		0	20/03/2024	05/04/2024	NA	NA	NA	893
	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						
2.4	Carbonate	mg/L	Lab Analysis		0						
34 (P34)	Chloride	mg/L	Lab Analysis	Quarterly	0		В	ore was dry duri	ng sampling perio	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	20/03/2024	05/04/2024	NA	NA	NA	11960
35 (P58)	рН	рН	In situ	Quarterly	1	20/03/2024	05/04/2024	NA	NA	NA	6.93
(1 30)	SWL	mbtoc	In situ		1	20/03/2024	05/04/2024	NA	NA	NA	19.95

Bicarbonate	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	4940
Calcium	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	37
Carbonate	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	<1
Chloride	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	1590
Magnesium	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	70
Potassium	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	79
Sodium	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	2990
Sulfate	mg/L	Lab Analysis		1	20/03/2024	05/04/2024	NA	NA	NA	100
Conductivity	μs/cm	In situ		0						
				0						
-		+		0						
Bicarbonate		Lab		0	1					
	_	Analysis								
Calcium	mg/L	Lab Analysis		0						
Carbonate	mg/L	Lab Analysis		0		В	ore was dry duri	ng sampling perio	od	
Chloride	mg/L	Lab	Monthly	0						
Magnesium	mg/L	Lab		0						
Potassium	mg/L	Lab		0	-					
Sodium	mg/L	Lab		0	-					
Sulphate	mg/L	Lab		0	-					
	Calcium Carbonate Chloride Magnesium Potassium Sodium Sulfate Conductivity pH SWL Bicarbonate Calcium Carbonate Chloride Magnesium Potassium Sodium	Calcium mg/L Carbonate mg/L Chloride mg/L Magnesium mg/L Potassium mg/L Sodium mg/L Sulfate mg/L Conductivity µs/cm pH pH SWL mbtoc Bicarbonate mg/L Calcium mg/L Calcium mg/L Chloride mg/L Magnesium mg/L Sodium mg/L Sodium mg/L	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 Sulfate mg/L Lab Analysis Conductivity µs/cm In situ pH pH pH In situ SWL mbtoc In situ Bicarbonate mg/L Lab Analysis Calcium mg/L Lab Analysis Carbonate mg/L Lab Analysis Carbonate 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 Potassium mg/L Lab Analysis Sodium mg/L Lab Analysis	Bicarbonate mg/L Analysis Calcium mg/L Lab Analysis Carbonate mg/L Lab Analysis Chloride mg/L Lab Analysis Magnesium mg/L Analysis Potassium mg/L Analysis Sodium mg/L Lab Analysis Sulfate mg/L Lab Analysis Conductivity µs/cm In situ pH pH pH In situ SWL mbtoc In situ Bicarbonate mg/L Lab Analysis Calcium mg/L Lab Analysis Calcium mg/L Lab Analysis Calcium mg/L Lab Analysis Carbonate mg/L Lab Analysis Chloride mg/L Lab Analysis Chloride mg/L Lab Analysis Magnesium mg/L Lab Analysis Potassium mg/L Lab Analysis Sodium mg/L Lab Analysis Sodium mg/L Lab Analysis Sodium mg/L Lab Analysis Sodium mg/L Lab Analysis	Bicarbonate mg/L Analysis Lab Analysis	Bicarbonate mg/L	Bicarbonate mg/L Analysis	Bicarbonate mg/L Lab Analysis Lab Lab Analysis Lab Lab Analysis Lab Analysis Calcium mg/L Lab Analysis Carbonate mg/L Lab Analysis Calcium mg/L Lab Calcium Calcium	Sicarbonate mg/L Analysis Lab Analysis Analysis Analysis Lab Analysis Analysis	Sicarbonate mg/L Analysis Lab Lab Analysis Analysis

37	Conductivity	μs/cm	In situ								
(P84)	Conductivity	μ3/ σττ	III Sica		1	19/03/2024	08/04/2024	NA	NA	NA	18850
	рН	рН	In situ		1	19/03/2024	08/04/2024	NA	NA	NA	6.75
	SWL	mbtoc	In situ		1	19/03/2024	08/04/2024	NA	NA	NA	13.57
	Bicarbonate	mg/L	Lab Analysis		1	19/03/2024	08/04/2024	NA	NA	NA	2630
	Calcium	mg/L	Lab Analysis		1	19/03/2024	08/04/2024	NA	NA	NA	99
	Carbonate	mg/L	Lab Analysis		1	19/03/2024	08/04/2024	NA	NA	NA	<1
	Chloride	mg/L	Lab Analysis	Monthly	1	19/03/2024	08/04/2024	NA	NA	NA	6140
	Magnesium	mg/L	Lab Analysis		1	19/03/2024	08/04/2024	NA	NA	NA	383
	Potassium	mg/L	Lab Analysis		1	19/03/2024	08/04/2024	NA	NA	NA	36
	Sodium	mg/L	Lab Analysis		1	19/03/2024	08/04/2024	NA	NA	NA	4490
	Sulphate	mg/L	Lab Analysis		1	19/03/2024	08/04/2024	NA	NA	NA	1140
38	Conductivity	μs/cm	In situ		0						
(P85)	pН	рН	In situ		0						
	SWL	mbtoc	In situ		0						
	Bicarbonate	mg/L	Lab Analysis		0		_	, , .	,	,	
	Calcium	mg/L	Lab Analysis		0		В	ore was ary auri	ng sampling perio	оа	
	Carbonate	mg/L	Lab Analysis	Monthly	0						
	Chloride	mg/L	Lab Analysis		0						
	Magnesium	mg/L	Lab Analysis		0						
	Potassium	mg/L	Lab Analysis		0						

	Sodium	mg/L	Lab		0	
			Analysis			
	Sulfate	mg/L	Lab		0	
			Analysis			
39 (<i>P88</i>)	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	N. d. a. makla k. v	0	Bore was dry during sampling period
	Chloride	mg/L	Lab Analysis	Monthly	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	
40 (P89)	Conductivity	μs/cm	In situ		0	
	рН	рН	In situ		0	
	SWL	mbtoc	In situ		0	
	Bicarbonate	mg/L	Lab		0	
			Analysis	Monthly		
	Calcium	mg/L	Lab	iviolitilly	0	Bore was dry during sampling period
			Analysis			
	Carbonate	mg/L	Lab		0	
			Analysis			
	Chloride	mg/L	Lab		0	
			Analysis			

	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	Upon discharge	0	No discharge occurred during sampling period (SD9)
	тос	mg/L	Lab Analysis	(within 12 hours)	0	No discharge occurred during sumpling period (SD9)



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	,	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 o	ccurred during s	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		10	NA	SD7
	рН	рН	In situ		0						6.5- 8.5	NA	
24	TDS	mg/L	Lab Analysis	Upon	0	Marina	dia da avera va sint	Nataratus	t - d - v		350	NA	ND4
24	рН	рН	In situ	discharge	0	Namoi	discharge point	– Not construct	tea 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 o	ccurred during s	sampling period		10	NA	SD8
	рН	рН	In situ		0						6.5- 8.5	NA	

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) Leq 15min Night	Measured Levels – dB(A) La1 (1 min) Night	Limit(s)	Measurement Periods	Co	Veath omplia ondition	ant ons	Compliant (Yes/No)	Date Obtained
	11/03/2024	I/A	I/A	25	30	Day, Evening & Night:	Day – 1.5 hrs	Υ	Υ	Υ	Υ	
N5 ¹	12/03/2024	I/A	I/A	N/M	N/M	35 <u>Night</u>	Evening – 0.5 hrs	Υ	Υ	N	Y	
	13/03/2024	I/A	I/A	N/M	N/M	<u>L_{A1 (1 min):}</u> 45	Night – 1 hr	Υ	N	N	Υ	
	11/03/20242	I/A	N/M	N/M	N/M	Day, Evening & Night:	Day – 1.5 hrs	Υ	Υ	N	Υ	
N6	12/03/2024²	30	I/A	27	33	35 <u>Night</u>	Evening – 0.5 hrs	Υ	Υ	N	Y	
	13/03/2024²	27	N/M	31	38	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Υ	N	Υ	Y	9/04/2024
	11/03/2024	I/A	34	33	40	Day, Evening & Night:	Day – 1.5 hrs	Υ	N	Υ	Υ	370472024
N8 ¹	12/03/2024	I/A	32	33	34	35 <u>Night</u>	Evening – 0.5 hrs	Υ	N	Υ	Υ	
	13/03/2024	25	I/A	31	39	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Υ	Υ	Υ	Y	
	11/03/2024	I/A	I/A	I/A	I/A	Day, Evening & Night:	Day – 1.5 hrs	Υ	Υ	Υ	Υ	
N9 ¹	12/03/2024	I/A	I/A	28	29	35 <u>Night</u>	Evening – 0.5 hrs	Υ	Υ	Υ	Y	
	13/03/2024	I/A	I/A	32	36	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Υ	Υ	N	Υ	

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

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.

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

Figure 1 – EPL 12789 Monitoring Locations





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: April 2024 Obtained Date: 29/04/2024 Publication Date: 09/05/2024



Table 1 – No Pollutant Limits Apply

	1		ı	ı aı	DIE I – MO FOI	lutant Limits /	чрыу			1	1
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	10/04/2024	29/04/2024	NA	NA	NA	1.3
11	Conductivity	μs/cm	In situ	Upon discharge		No	discharge occu	rrad during can	anling pariod (S	:D41	
(SD4)	тос	mg/L	Lab Analysis	(within 12 hours)		NO	discharge occur	rrea during sair	ipiing period (S	<i>D4)</i>	
13	Conductivity	μs/cm	In situ	Upon discharge		A.	dia da sur a sa s		li	(D2)	
(SD2)	тос	mg/L	Lab Analysis	(within 12 hours)		NO	discharge occu	rrea auring san	ipiing perioa (S	D2)	
	Conductivity	μs/cm	In situ	In the event	0			NA	NA	NA	NA
	тос	mg/L	Lab Analysis	of flow during the quarter &	0			NA	NA	NA	NA
14 (KC1US)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	0		05/04/2024 eted, no flow)	NA	NA	NA	NA
(KC103)	рН	рН	In situ	discharge	0			NA	NA	NA	NA
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27, 43	0			NA	NA	NA	NA
	Conductivity	μs/cm	In situ	In the event	0			NA	NA	NA	NA
	тос	mg/L	Lab Analysis	of flow during the quarter &	0			NA	NA	NA	NA
15 (KC1DS)	15 (KC1DS) Oil & Grease PH TSS	mg/L	Lab Analysis	after each wet weather	0		05/04/2024 eted, no flow)	NA	NA	NA	NA
(KCID3)		рН	In situ	discharge	0			NA	NA	NA	NA
		mg/L	Lab Analysis	from points 11, 13, 18,27, 43	0			NA	NA	NA	NA



	Conductivity	μs/cm	In situ	In the event	0		NA	NA	NA	NA
	тос	mg/L	Lab Analysis	of flow during the quarter &	0		NA	NA	NA	NA
16 (KC2US)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	0	Flow event 05/04/2024 (check completed, no flow)	NA	NA	NA	NA
(NC2U3)	рН	рН	In situ	discharge	0		NA	NA	NA	NA
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27, 43	0		NA	NA	NA	NA
	Conductivity	μs/cm	In situ	In the event	0		NA	NA	NA	NA
	тос	mg/L	Lab Analysis	of flow during the quarter &	0		NA	NA	NA	NA
17 (KC2DS)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	0	Flow event 05/04/2024 (check completed, no flow)	NA	NA	NA	NA
(RC2D3)	рН	рН	In situ	discharge	0	- 	NA	NA	NA	NA
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27, 43	0		NA	NA	NA	NA
18	Conductivity	μs/cm	In Situ	Upon discharge						
(SD7)	тос	mg/L	Lab Analysis	(within 12 hours)		No discharge occur	red during san	npling period (SI	07)	
	Conductivity	μs/cm	In situ	In the event of flow during	0		NA	NA	NA	NA
	тос	mg/L	Lab Analysis	the quarter & after each	0	Flow event 05/04/2024	NA	NA	NA	NA
19 (KCUS)	Oil & Grease	mg/L	Lab Analysis	wet weather discharge	0	(check completed, no flow)	NA	NA	NA	NA
	рН	рН	In situ	from points	0		NA	NA	NA	NA
	TSS	mg/L	Lab Analysis	11, 13, 18,27, 43	0		NA	NA	NA	NA
20	Conductivity	μs/cm	In situ	In the event	0	Flow event 05/04/2024	NA	NA	NA	NA
20 (KCDS)	тос	mg/L	Lab Analysis	of flow during the quarter &	0	(check completed, no flow)	NA	NA	NA	NA



	Oil & Grease	mg/L	Lab Analysis	after each wet weather	0		NA	NA	NA	NA
	рН	рН	In situ	discharge	0		NA	NA	NA	NA
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27, 43	0		NA	NA	NA	NA
	Conductivity	μs/cm	In situ	In the event	0		NA	NA	NA	NA
	тос	mg/L	Lab Analysis	of flow during the quarter &	0		NA	NA	NA	NA
21 (PCa)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	0	Flow event 05/04/2024 (check completed, no flow)	NA	NA	NA	NA
(. 50)	рН	рН	In situ	discharge	0		NA	NA	NA	NA
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27, 43	0		NA	NA	NA	NA
	Conductivity	μs/cm	In situ	In the event	0		NA	NA	NA	NA
	тос	mg/L	Lab Analysis	of flow during the quarter &	0		NA	NA	NA	NA
22 (PC1)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	0	Flow event 05/04/2024 (check completed, no flow)	NA	NA	NA	NA
(1 61)	рН	рН	In situ	discharge	0		NA	NA	NA	NA
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27, 43	0		NA	NA	NA	NA
24	рН	рН	In situ	Upon		Name of disabances a sint. A	1 a b a a a a b a b a a d		l: / (ND4)	
(NR1)	TDS	mg/L	Lab Analysis	Discharge (within 4 hrs)		Namoi discharge point – N	iot constructed	or currently uti	iisea (NK1)	
25	рН	рН	In situ	Upon						
(NRUS)	TDS	mg/L	Lab Analysis	Discharge (within 4 hrs)		Namoi discharge point – N	ot constructed (or currently util	ised (NRUS)	
26	рН	рН	In situ	Upon						
(NRDS)	TDS	mg/L	Lab Analysis	Discharge (within 4 hrs)		Namoi discharge point – N	ot constructed	or currently util	ised (NRDS)	
28	Conductivity	μs/cm	In situ	Quarterly	0	Not schedu	iled for samplin	g during sampli	na neriod	
(P28)	рН	рН	In situ	Quarterly	0	, vot seneda	joi sampiin	g aariing sariipii		

	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	
	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 (P29)	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																
	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	Quarterly	0	Not scheduled for sampling during sampling period														
	Chloride	mg/L	Lab Analysis			0															
	Magnesium	mg/L	Lab Analysis						1			0									
	Potassium	mg/L	Lab Analysis					0													
	Sodium	mg/L	Lab Analysis																		
	Sulphate	mg/L	Lab Analysis		0																
	Conductivity	μs/cm	Lab Analysis		0																
31	рН	рН	Lab Analysis	Quarterly	0	Not scheduled for sampling during sampling period															
(P31)	SWL	mbtoc	Lab Analysis	Quarterly	0	Not scheduled for sampling during sampling period															
	Bicarbonate mg/L Analysis Analysis Analysis		0																		

			1																		
	Calcium	mg/L	Lab Analysis		0																
			Lab		0																
	Carbonate	mg/L	Analysis																		
			Lab		0																
	Chloride	mg/L	Analysis																		
			Lab		0																
	Magnesium	mg/L	Analysis																		
					0																
	Potassium	mg/L	Lab		0																
			Analysis		_																
	Sodium	mg/L	Lab		0																
		6/ =	Analysis																		
	Sulphate	mg/L	Lab		0																
	Sulphate	1116/ L	Analysis																		
	Canduativity		Lab		0																
	Conductivity	μs/cm	Analysis																		
			Lab		0																
	рН	рН	Analysis	_																	
			Lab				0														
	SWL	mbtoc	Analysis					1	1	1				I							
			Lab		0																
	Bicarbonate	mg/L	Analysis																		
			Lab		0																
	Calcium	mg/L				,	1										ļ			0	
32			Analysis	Quarterly		Not scheduled for sampling during sampling period															
(P32)	Carbonate	mg/L	Lab		0																
			Analysis																		
	Chloride	mg/L	Lab		0																
	3333	0/ =	Analysis																		
	Magnesium	mg/L	Lab		0																
	iviagnesiani	1116/ L	Analysis																		
	Potassium	mg/L	Lab		0																
	rotassiuiii	IIIg/L	Analysis																		
	Sodium	ma/I	Lab		0																
	Sodium	mg/L	Analysis																		

	Sulphata	ma/I	Lab		0																		
	Sulphate	mg/L	Analysis																				
	Conductivity	μs/cm	Lab		0																		
	Conductivity	μ3/ επ	Analysis																				
	рН	рН	Lab		0																		
			Analysis Lab		0																		
	SWL	mbtoc	Analysis		0																		
			Lab		0																		
	Bicarbonate	mg/L	Analysis	Quarterly																			
	Calcium	ma/l	Lab		0																		
	Calcium	mg/L	Analysis																				
	Carbonate	mg/L	Lab		0	Not scheduled for sampling during sampling period																	
			Analysis	,		, , , , , , , , , , , , , , , , , , ,																	
33	Chloride	mg/L	Lab Analysis		0																		
(P33)			Lab		0																		
, ,	Magnesium	mg/L	Analysis																				
	Datassium	/1	Lab		0																		
	Potassium	mg/L	Analysis					 					i										
	Sodium	mg/L	Lab					0															
	30010111	6/ -	Analysis																				
	Sulphate	mg/L	Lab		0																		
	6 1		Analysis		0																		
	Conductivity	μs/cm	In situ		0																		
	pH SWL	pH	In situ		0																		
	SVVL	mbtoc	In situ		0																		
	Bicarbonate	mg/L	Lab Analysis																				
34			Lab	Quarterly	0	Not scheduled for sampling during sampling period																	
(P34)	Calcium	mg/L	Analysis																				
	Lah		0																				
	Carbonate	mg/L	Analysis																				
	Chloride	mg/I	Lab		0																		
	Chloride	Chloride mg/L	0/ -	Analysis																			

	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	Quarterly	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						<u> </u>	0
	Sulfate	mg/L	Lab Analysis		0					
36	Conductivity	μs/cm	In situ		0					
(P83)	рН	рН	In situ		0	Not scheduled for sampling during sampling period				
	SWL	mbtoc	In situ	Quarterly	0					
	Bicarbonate	mg/L	Lab Analysis		0					

	Calcium	mg/L	Lab		0	
			Analysis			
	Carbonate	mg/L	Lab		0	
			Analysis			
	Chloride	mg/L	Lab		0	
			Analysis			
	Magnesium	mg/L	Lab		0	
			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)						
	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	Quarterly		Not scheduled for sampling during sampling period
	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	
			Analysis			
	Sulphate	mg/L	Lab		0	
			Analysis			
38	Conductivity	μs/cm	In situ		0	

(P85)	рН	рН	In situ		0	
	SWL	mbtoc	In situ		0	
	Bicarbonate	mg/L	Lab		0	
		3.	Analysis			
	Calcium	mg/L	Lab		0	
			Analysis			
	Carbonate	mg/L	Lab		0	
			Analysis			
	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	
	C. II.		Analysis			
	Sodium	mg/L	Lab Analysis		0	
	Sulfate	mg/L	Lab		0	
	Sullate	IIIg/L	Analysis			
39	Conductivity	μs/cm	In situ		0	
(P88)	Conductivity	μο, στι	111 5164			
	рН	рН	In situ		0	
	SWL	mbtoc	In situ		0	
	Bicarbonate	mg/L	Lab		0	
			Analysis			
	Calcium	mg/L	Lab		0	
			Analysis	Quarterly		Not scheduled for sampling during sampling period
	Carbonate	mg/L	Lab	Quarterly	0	
			Analysis			
	Chloride	mg/L	Lab		0	
		,	Analysis			
	Magnesium	mg/L	Lab		0	
	Detectives		Analysis Lab		0	
	Potassium	mg/L	Lab Analysis		U	
			Allalysis			

	Sodium	mg/L	Lab Analysis		0													
	Sulfate	mg/L	Lab Analysis		0													
40	Conductivity	μs/cm	In situ		0													
(P89)	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	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	Upon	0	05/04/2024	12/04/2024	NA	NA	NA	396							
43 (SD9)	тос	mg/L	Lab Analysis	discharge (within 12 hours)	0	05/04/2024	12/04/2024	NA	NA	NA	4							



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							NA	
11	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0		No discharge occurred during sampling period 10 NA						SD4
	рН	рН	In situ		0							NA	
	TSS	mg/L	Lab Analysis		0							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		No discharge occurred during sampling period 10 NA					NA	
18	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0							SD7	
	рН	рН	In situ		0						6.5-8.5	NA	
24	TDS	mg/L	Lab Analysis	Upon	0	Nai	moi discharge point	t – Not constructed	d or currently utilise	ed.	350	NA	NR1
2-1	рН	рН	In situ	discharge	0	11441	mor disentinge point	. Wot constructed	a or currently utilise		6.5-8.5	NA	141.2
	TSS	mg/L	Lab Analysis		0						50	NA	
27	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0		No discharge o	occurred during sa	mpling period		10	NA	SD8
	рН	рН	In situ		0						6.5-8.5	NA	
	TSS	mg/L	Lab Analysis		0			NA	NA	906	50	No ¹	
43	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0	05/04/2024	12/04/2024	NA	NA	<5	10	No	SD9
	рН	рН	In situ		0			NA	NA	7.21	6.5-8.5	No	

¹ Total Suspended Solids (TSS) concentration limit did not apply as per EPL12789 Condition L2.5(a) as the controlled discharge occurred solely as a result of rainfall exceeding 38.4mm over a consecutive 5-day period (triggered 5/4/2024).



Table 3 – Quarterly Attended Noise Monitoring results summary table

Nosie monitoring not scheduled in April. Next scheduled sampling is for June 2024.

EPL ID	Date	Measured Levels – dB(A) L _{eq 15min Day}	Measured Levels – dB(A) L _{eq 15min} Evening	Measured Levels – dB(A) Leq 15min Night	Measured Levels – dB(A) LA1 (1 min) Night	Limit(s)	Measurement Periods	Weather Compliant Conditions (D/E/N)	Compliant (Yes/No)	Date Obtained
			- 3			Day, Evening & Night:	Day – 1.5 hrs			
N5 ¹						35 Night	Evening – 0.5 hrs			
						L _{A1 (1 min)} : 45	Night – 1 hr			
						Day, Evening &	Day – 1.5 hrs			
N6						<u>Night:</u> 35 <u>Night</u>	Evening – 0.5 hrs			
						L _{A1 (1 min)} : 45	Night – 1 hr			
						Day, Evening & Night:	Day – 1.5 hrs			
N8 ¹						35 <u>Night</u>	Evening – 0.5 hrs			
						<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr			
						Day, Evening & Night:	Day – 1.5 hrs			
N9¹						35 <u>Night</u>	Evening – 0.5 hrs			
						<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr			

Figure 1 – EPL 12789 Monitoring Locations





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: May 2024 Obtained Date: 23/05/2024 Publication Date: 11/06/2024



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	09/05/2024	23/05/2024	NA	NA	NA	0.4		
11	Conductivity	μs/cm	In situ	Upon discharge		No	discharge occu	rred durina sar	nnling neriod (S	(D4)			
(SD4)	тос	mg/L	Lab Analysis	(within 12 hours)		NO	discharge occu	rrea during san	ilplilig period (3	<i>D4)</i>			
13	Conductivity	μs/cm	In situ	Upon discharge		No	discharge occu	rrad during car	anling pariod (S	D21			
(SD2)	тос	mg/L	Lab Analysis	(within 12 hours)		No discharge occurred during sampling period (SD2)							
	Conductivity	μs/cm	In situ	In the event	n 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	S)		
	рН	рН	In situ	discharge	n points								
	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 & after each wet weather	No flow events and/or mine discharge occurred during sampling period (KCDS)				
(KCDS)	Oil & Grease	mg/L	Lab Analysis						
	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	Namoi discharge point – Not constructed or currently utilised (NR1)						
(NR1)	TDS	mg/L	Lab Analysis	Discharge (within 4 hrs)							
25	рН	рН	In situ	Upon		Name i disabassa a sist. Nat assatus tad as assaults stilled (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	0						
28 (P28)	SWL	mbtoc	In situ		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	Quarterly	0				
	рН	рН	Lab Analysis		0				
	SWL	mbtoc	Lab Analysis					0	
	Bicarbonate	mg/L	Lab Analysis			0			
29	Calcium	mg/L	Lab Analysis					0	Not scheduled for sampling during sampling period
(P29)	Carbonate	mg/L	Lab Analysis		0	Not scrieduled 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	Quarterly	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	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	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	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
	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			

			Lab		0	
	Conductivity	μs/cm	Analysis		·	
	рН	рН	Lab		0	
	рп		Analysis			
	SWL	mbtoc	Lab		0	
	3112	motoc	Analysis			
	Bicarbonate	mg/L	Lab		0	
		8/ -	Analysis			
	Calcium	mg/L	Lab		0	
			Analysis			
	Carbonate	mg/L	Lab Analysis	Quarterly	0	Not scheduled for sampling during sampling period
			Lab		0	
33	Chloride	mg/L	Analysis		U	
(P33)	Magnesium	mg/L	Lab		0	
			Analysis			
	Potassium	mg/L	Lab		0	
			Analysis			
	Sodium	mg/L	Lab		0	
			Analysis			
	Sulphate	mg/L	Lab		0	
	Sulpriate	1116/ L	Analysis			
	Conductivity	μs/cm	In situ		0	
	рН	рН	In situ		0	
	SWL	mbtoc	In situ		0	
	Bicarbonate	mg/L	Lab		0	
	Bicarbonate	6/ -	Analysis			
34	Calcium	mg/L	Lab		0	
(P34)			Analysis	Quarterly		Not scheduled for sampling during sampling period
	Carbonate	mg/L	Lab		0	
			Analysis		0	
	Chloride	mg/L	Lab Analysis		0	
			Lab		0	
	Magnesium	mg/L	Analysis		U	
		<u> </u>	Anaiysis			

	Potassium	mg/L	Lab Analysis		0				
	Sodium	mg/L	Lab Analysis		0				
	Sulphate	mg/L	Lab Analysis		0				
	Conductivity	μs/cm	Lab Analysis	Quarterly	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		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		0		
			Analysis				
	Chloride	mg/L	Lab		0		
			Analysis	-			
	Magnesium	mg/L	Lab		0		
			Analysis		_		
	Potassium	mg/L	Lab Analysis		0		
	Sodium	mg/L	Lab		0		
		O,	Analysis				
	Sulphate	mg/L	Lab		0		
			Analysis				
37 (P84)	Conductivity	μs/cm	In situ		0		
(104)	рН	рН	In situ		0		
	SWL	mbtoc	In situ		0		
	Bicarbonate	mg/L	Lab	İ	0		
			Analysis				
	Calcium	mg/L	Lab		0		
			Analysis				
	Carbonate	mg/L	Lab	Quartarly	0		
			Analysis		Quarterly		Not scheduled for sampling during sampling period
	Chloride	mg/L	Lab	Quarterly	0	Not scheduled for sumpling during sumpling period	
			Analysis				
	Magnesium	mg/L	Lab		0		
			Analysis				
	Potassium	mg/L	Lab		0		
			Analysis				
	Sodium	mg/L	Lab		0		
	C. L. L. L.		Analysis		<u>, </u>	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		
L	1		1	l .	1		

	Bicarbonate	mg/L	Lab Analysis		0	
	Calairra	/1			0	
	Calcium	mg/L	Lab		0	
·	Caulagasta	/1	Analysis		0	
	Carbonate	mg/L	Lab 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		0	
			Analysis			
	Sulfate	mg/L	Lab		0	
			Analysis			

40 (P89)	Conductivity	μs/cm	In situ		0	
	pН	рН	In situ		0	
	SWL	mbtoc	In situ		0	
	Bicarbonate	mg/L	Lab Analysis	Quarterly	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	
43	Conductivity	μs/cm	In situ		0	
(SD9)	pН	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	i	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 occurred during sampling period					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	utilised.	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					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 8 Greas	mg/L	Lab Analysis	0	10	NA
На	На	In situ	0	6.5-	NA
pii	ρΠ			8.5	

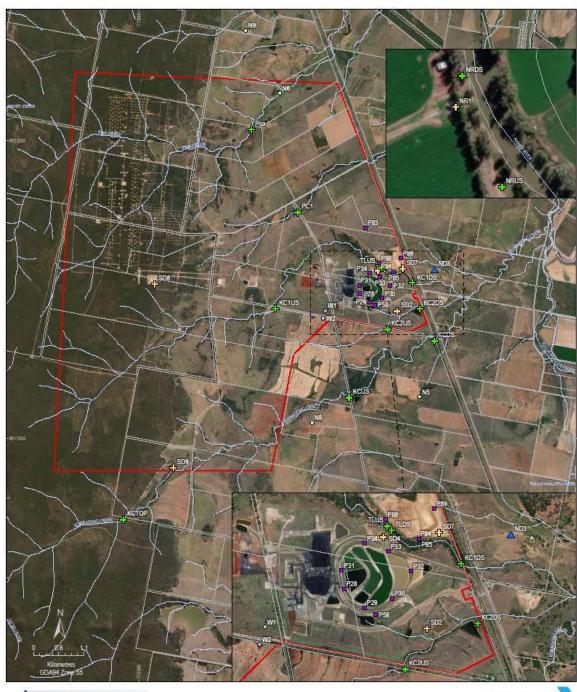


Table 3 – Quarterly Attended Noise Monitoring results summary table

Nosie monitoring not scheduled in May. Next scheduled sampling is for June 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 ¹						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			
N8¹						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 ¹						35 <u>Night</u>	Evening – 0.5 hrs			
						<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr			

Figure 1 – EPL 12789 Monitoring Locations







NARRABRI MINE

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: June 2024 Obtained Date: 17/07/2024 Publication Date: 18/07/2024



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	13/06/2024	27/06/2024	NA	NA	NA	0.1
11	Conductivity	μs/cm	In situ	Upon discharge		No	discharge occu	rrad during can	anling pariod (504)	=-
(SD4)	тос	mg/L	Lab Analysis	(within 12 hours)		NO	discharge occu	rrea during sair	ipinig periou (S	504)	
	Conductivity	μs/cm	In situ	Upon							
13 (SD2)	тос	mg/L	Lab Analysis	discharge (within 12		No	discharge occu	rred during san	npling period (S	5D2)	
	тос	mg/L	Lab Analysis	hours)							
	Conductivity	μs/cm	In situ	In the event	1	02/06/2024	12/06/2024	NA	NA	NA	103
	тос	mg/L	Lab Analysis	of flow during the quarter &	1	02/06/2024	12/06/2024	NA	NA	NA	13
14 (KC1US)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	1	02/06/2024	12/06/2024	NA	NA	NA	<5
()	рН	рН	In situ	discharge	1	02/06/2024	12/06/2024	NA	NA	NA	6.68
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27, 43	1	02/06/2024	12/06/2024	NA	NA	NA	169
	Conductivity	μs/cm	In situ	In the event	0			NA	NA	NA	NA
	тос	mg/L	Lab Analysis	of flow during the quarter &	0			NA	NA	NA	NA
15 (KC1DS)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	0	Ambient flow 02/06/2024 following significant rain		NA	NA	NA	NA
(рН	рН	In situ	discharge	0	event.	No flow.	NA	NA	NA	NA
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27, 43	0			NA	NA	NA	NA



	Conductivity	μs/cm	In situ	In the event	0	02/06/2024	12/06/2024	NA	NA	NA	64
	тос	mg/L	Lab Analysis	of flow during the quarter &	0	02/06/2024	12/06/2024	NA	NA	NA	14
16 (KC2US)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	0	02/06/2024	12/06/2024	NA	NA	NA	<5
(1.0200)	рН	рН	In situ	discharge	0	02/06/2024	12/06/2024	NA	NA	NA	6.77
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27, 43	0	02/06/2024	12/06/2024	NA	NA	NA	18
	Conductivity	μs/cm	In situ	In the event	0	02/06/2024	12/06/2024	NA	NA	NA	124
	тос	mg/L	Lab Analysis	of flow during the quarter &	0	02/06/2024	12/06/2024	NA	NA	NA	14
17 (KC2DS)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	0	02/06/2024	12/06/2024	NA	NA	NA	<5
(RCZDS)	рН	рН	In situ	discharge	0	02/06/2024	12/06/2024	NA	NA	NA	7.01
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27,43	0	02/06/2024	12/06/2024	NA	NA	NA	53
18	Conductivity	μs/cm	In Situ	Upon discharge						60.71	
(SD7)	тос	mg/L	Lab Analysis	(within 12 hours)		No	discharge occu	rred during san	ipling period (SD7)	
	Conductivity	μs/cm	In situ	In the event of flow during	0	01/06/2024	12/06/2024	NA	NA	NA	64
10	тос	mg/L	Lab Analysis	the quarter & after each	0	01/06/2024	12/06/2024	NA	NA	NA	13
19 (KCUS)	Oil & Grease	mg/L	Lab Analysis	wet weather discharge	0	01/06/2024	12/06/2024	NA	NA	NA	<5
	рН	рН	In situ	from points	0	01/06/2024	12/06/2024	NA	NA	NA	7.37
	TSS	mg/L	Lab Analysis	11, 13, 18,27,43	0	01/06/2024	12/06/2024	NA	NA	NA	1090
	Conductivity	μs/cm	In situ	In the event	0	01/06/2024	12/06/2024	NA	NA	NA	92
20 (KCDS)	тос	mg/L	Lab Analysis	of flow during the quarter &	0	01/06/2024	12/06/2024	NA	NA	NA	10
(KCD3)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	0	01/06/2024	12/06/2024	NA	NA	NA	<5



	рН	рН	In situ	discharge	0	01/06/2024	12/06/2024	NA	NA	NA	7.35
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27,43	0	01/06/2024	12/06/2024	NA	NA	NA	482
	Conductivity	μs/cm	In situ	In the event	0			NA	NA	NA	NA
	тос	mg/L	Lab Analysis	of flow during the quarter &	0			NA	NA	NA	NA
21 (PCa)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	0	following si	w 02/06/2024 gnificant rain	NA	NA	NA	NA
(== ,	рН	рН	In situ	discharge	0	event.	No flow.	NA	NA	NA	NA
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27,43	0			NA	NA	NA	NA
	Conductivity	μs/cm	In situ	In the event	0	02/06/2024	12/06/2024	NA	NA	NA	136
	тос	mg/L	Lab Analysis	of flow during the quarter &	0	02/06/2024	12/06/2024	NA	NA	NA	15
22 (PC1)	Oil & Grease	mg/L	Lab Analysis	after each wet weather	0	02/06/2024	12/06/2024	NA	NA	NA	<5
(1. 52)	рН	рН	In situ	discharge	0	02/06/2024	12/06/2024	NA	NA	NA	6.94
	TSS	mg/L	Lab Analysis	from points 11, 13, 18,27,43	0	02/06/2024	12/06/2024	NA	NA	NA	96
24	рН	рН	In situ	Upon							
(NR1)	TDS	mg/L	Lab Analysis	Discharge (within 4 hrs)		Namoi	discharge point –	Not constructed (or currently utili	sed (NR1)	
25	рН	рН	In situ	Upon							
(NRUS)	TDS	mg/L	Lab Analysis	Discharge (within 4 hrs)		Namoi d	discharge point – I	Not constructed o	r currently utilis	sed (NRUS)	
26	рН	рН	In situ	Upon							
(NRDS)	TDS	mg/L	Lab Analysis	Discharge (within 4 hrs)		Namoi d	discharge point – I	Not constructed o	r currently utilis	sed (NRDS)	
20	Conductivity	μs/cm	In situ								
28 (P28)	рН	рН	In situ	Quarterly	rterly Bore was dry during sampling period						
(1 20)	(P28) pH pH In situ Quarterly SWL mbtoc In situ										

	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	25/06/2024	17/07/2024	NA	NA	NA	18290
	pН	рН	In situ		1	25/06/2024	17/07/2024	NA	NA	NA	6.57
	SWL	mbtoc	In situ		1	25/06/2024	17/07/2024	NA	NA	NA	4.46
	Bicarbonate	mg/L	Lab Analysis		1	25/06/2024	17/07/2024	NA	NA	NA	609
	Calcium	mg/L	Lab Analysis		1	25/06/2024	17/07/2024	NA	NA	NA	168
29 (P29)	Carbonate	mg/L	Lab Analysis	Quarterly	1	25/06/2024	17/07/2024	NA	NA	NA	<1
	Chloride	mg/L	Lab Analysis		1	25/06/2024	17/07/2024	NA	NA	NA	6490
	Magnesium	mg/L	Lab Analysis		1	25/06/2024	17/07/2024	NA	NA	NA	363
	Potassium	mg/L	Lab Analysis		1	25/06/2024	17/07/2024	NA	NA	NA	9
	Sodium	mg/L	Lab Analysis		1	25/06/2024	17/07/2024	NA	NA	NA	3770



	Sulphate	ma/I	Lab		1	20/03/2024	05/04/2024	NA	NA	NA	720
	Sulphate	mg/L	Analysis			20/03/2024	05/04/2024	NA	INA	NA NA	720
	Conductivity	μs/cm	In situ		1	28/06/2024	17/07/2024	NA	NA	NA	17080
	рН	рН	In situ		1	28/06/2024	17/07/2024	NA	NA	NA	6.42
	SWL	mbtoc	In situ		1	28/06/2024	17/07/2024	NA	NA	NA	11.90
	Bicarbonate	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	841
	Calcium	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	164
30	Carbonate	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	<1
(P30)	Chloride	mg/L	Lab Analysis	Quarterly	1	28/06/2024	17/07/2024	NA	NA	NA	5530
	Magnesium	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	397
	Potassium	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	18
	Sodium	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	3470
	Sulphate	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	1120
	Conductivity	μs/cm	In situ		1	28/06/2024	17/07/2024	NA	NA	NA	6940
	рН	рН	In situ		1	28/06/2024	17/07/2024	NA	NA	NA	6.75
	SWL	mbtoc	In situ		1	28/06/2024	17/07/2024	NA	NA	NA	16.42
31	Bicarbonate	mg/L	Lab Analysis	Quarterly	1	28/06/2024	17/07/2024	NA	NA	NA	832
(P31)	Calcium	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	108
	Carbonate	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	<1
	Chloride	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	2000



	Magnesium	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	189
	Potassium	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	14
	Sodium	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	1330
	Sulphate	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	287329
	Conductivity	μs/cm	In situ		1	28/06/2024	17/07/2024	NA	NA	NA	2214
	рН	рН	In situ		1	28/06/2024	17/07/2024	NA	NA	NA	7.89
	SWL	mbtoc	In situ		1	28/06/2024	17/07/2024	NA	NA	NA	8.20
	Bicarbonate	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	866
	Calcium	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	2
32	Carbonate	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	34
(P32)	Chloride	mg/L	Lab Analysis	Quarterly	1	28/06/2024	17/07/2024	NA	NA	NA	178
	Magnesium	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	6
	Potassium	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	<1
	Sodium	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	558
	Sulphate	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	117
	Conductivity	μs/cm	In situ		0	28/06/2024	17/07/2024	NA	NA	NA	5860
	рН	рН	In situ		0	28/06/2024	17/07/2024	NA	NA	NA	6.93
	SWL	mbtoc	In situ		0	28/06/2024	17/07/2024	NA	NA	NA	15.40
	Bicarbonate	mg/L	Lab Analysis	Quarterly	0	28/06/2024	17/07/2024	NA	NA	NA	NA
33	Calcium	mg/L	Lab Analysis		0	28/06/2024	17/07/2024	NA	NA	NA	NA



(P33)											
, ,	Carbonate	mg/L	Lab Analysis		0	28/06/2024	17/07/2024	NA	NA	NA	NA
	Chloride	mg/L	Lab Analysis		0	28/06/2024	17/07/2024	NA	NA	NA	NA
	Magnesium	mg/L	Lab Analysis		0	28/06/2024	17/07/2024	NA	NA	NA	NA
	Potassium	mg/L	Lab Analysis		0	28/06/2024	17/07/2024	NA	NA	NA	NA
	Sodium	mg/L	Lab Analysis		0	28/06/2024	17/07/2024	NA	NA	NA	NA
	Sulphate	mg/L	Lab Analysis		0	28/06/2024	17/07/2024	NA	NA	NA	NA
	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						
34 (P34)	Chloride	mg/L	Lab Analysis	Quarterly	0		В	ore was dry durir	ng sampling perio	od	
Ī	Magnesium	mg/L	Lab		0						
		<u> </u>	Analysis								
-	Potassium	mg/L	Analysis Lab Analysis		0						
_	Potassium Sodium		Lab		0						
		mg/L	Lab Analysis Lab								
	Sodium	mg/L	Lab Analysis Lab Analysis Lab		0	28/06/2024	17/07/2024	NA	NA	NA	11760
35 (P58)	Sodium Sulphate	mg/L mg/L mg/L	Lab Analysis Lab Analysis Lab Analysis	Quarterly	0	28/06/2024 28/06/2024	17/07/2024 17/07/2024	NA NA	NA NA	NA NA	11760 6.27



	Bicarbonate	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	4790		
	Calcium	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	40		
	Carbonate	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	<1		
	Chloride	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	1670		
	Magnesium	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	77		
	Potassium	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	79		
	Sodium	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	3120		
	Sulfate	mg/L	Lab Analysis		1	28/06/2024	17/07/2024	NA	NA	NA	128		
36	Conductivity	μs/cm	In situ		0					`			
(P83)	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	Bore was dry during sampling period							
	Chloride	mg/L	Lab Analysis	Quarterly	0	1							
	Magnesium	mg/L	Lab Analysis		0	1							
	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		1	25/06/2024	17/07/2024	NA	NA	NA	20860			
	pH	рН	In situ		1	25/06/2024	17/07/2024	NA	NA	NA	6.39			
	SWL	mbtoc	In situ		1	25/06/2024	17/07/2024	NA	NA	NA	10.66			
	Bicarbonate	mg/L	Lab Analysis		1	25/06/2024	17/07/2024	NA	NA	NA	2550			
	Calcium	mg/L	Lab Analysis	Quarterly	1	25/06/2024	17/07/2024	NA	NA	NA	94			
	Carbonate	mg/L	Lab Analysis		1	25/06/2024	17/07/2024	NA	NA	NA	<1			
	Chloride	mg/L	Lab Analysis		1	25/06/2024	17/07/2024	NA	NA	NA	6640			
	Magnesium	mg/L	Lab Analysis		1	25/06/2024	17/07/2024	NA	NA	NA	396			
	Potassium	mg/L	Lab Analysis		1	25/06/2024	17/07/2024	NA	NA	NA	36			
	Sodium	mg/L	Lab Analysis		1	25/06/2024	17/07/2024	NA	NA	NA	4460			
	Sulphate	mg/L	Lab Analysis		1	25/06/2024	17/07/2024	NA	NA	NA	1140			
38	Conductivity	μs/cm	In situ		0									
(P85)	pН	рН	In situ		0									
	SWL	mbtoc	In situ		0	Bore was dry during sampling period								
	Bicarbonate	mg/L	Lab Analysis		0									
	Calcium	mg/L	Lab Analysis	Quarterly	0									
	Carbonate	mg/L	Lab Analysis		0									
	Chloride	mg/L	Lab Analysis		0									
	Magnesium	mg/L	Lab Analysis		0									
	Potassium	mg/L	Lab Analysis	ì	0									

	Sodium	mg/L	Lab Analysis		0	
	Sulfate	mg/L	Lab Analysis		0	
39 (P88)	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	
	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	
	Sulfate	mg/L	Lab Analysis		0	
40 (P89)	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	Bore was dry during sampling period
	Carbonate	mg/L	Lab Analysis		0	
	Chloride	mg/L	Lab Analysis		0	

	Magnesium	mg/L	Lab		0						
		_	Analysis		_	-					
	Potassium	mg/L	Lab Analysis		0						
	Sodium	mg/L	Lab Analysis		0						
	Sulphate	mg/L	Lab Analysis		0						
43	Conductivity	μs/cm	In situ	Upon discharge	0	1/06/2024	12/06/2024	NA	NA	NA	47
(SD9)	тос	mg/L	Lab Analysis	(within 12 hours)	0	1/06/2024	12/06/2024	NA	NA	NA	7



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							NA	
11	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0	No discharge occurred during sampling period					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 No discharge occurred during sampling period discharge 0							10	NA	SD2
	рН	рН	In situ		0								
	TSS	mg/L	Lab O Analysis							50	NA		
18	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0		No discharge occurred during sampling period					NA	SD7
	рН	рН	In situ		0								
24	TDS	mg/L	Lab Analysis	Upon	0	Na	moi discharge poin	t – Not constructed	d or currently utilise	ed.	350	NA	NR1
	рН	рН	In situ	discharge	0		ge po		a or carrency a conse		6.5-8.5	NA	
	TSS	mg/L	Lab Analysis		0						50	NA	
27	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0	No discharge occurred during sampling period					10	NA	SD8
	рН	рН	In situ		0			6.5-8.5	NA				
	TSS	mg/L	Lab Analysis		0			NA	NA	688	50	Noª	
43	Oil & Grease	mg/L	Lab Analysis	Upon discharge	0	01/06/2024	12/06/2024	NA	NA	<5	10	No	SD9
	рН	рН	In situ		0			NA	NA	7.38	6.5-8.5 No	No	

^a Total Suspended Solids (TSS) concentration limit did not apply as per EPL12789 Condition L2.5(a) as the controlled discharge occurred solely as a result of rainfall exceeding 38.4mm over a consecutive 5-day period (triggered 5/4/2024).



Table 2 - Pollutant Limits Apply (Water)

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)	Measurement Periods	Co	/eath omplia ondition D/E/N	ant ons	Compliant (Yes/No)	Date Obtained
	03/06/2024 ²	30	28	32	40	Day, Evening & Night:	Day – 1.5 hrs	Y	N	N	Y	
N5 ¹	04/06/20242	37	28	27	30	35 Night	Evening – 0.5 hrs	Υ	Υ	Υ	Υ1	
	05/06/2024 ²	29	26	N/M	N/M	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	N	Υ	Υ	Y	
	03/06/2024 ²	I/A	30	31	37	Day, Evening & Night:	Day – 1.5 hrs	Υ	Υ	Z	Υ	
N6	04/06/20242	I/A	26	29	33	35 Night	Evening – 0.5 hrs	Υ	Υ	Υ	Y	
	05/06/2024 ²	31	32	35	42	L _{A1 (1 min)} : 45	Night – 1 hr	Υ	Υ	Υ	Υ	2/07/2024
	03/06/2024 ²	23	28	30	35	Day, Evening & Night:	Day – 1.5 hrs	Υ	N	N	Y	2/07/2024
N8¹	04/06/2024 ²	34	26	32	39	35 Evening – 0.5 Night hrs	Evening – 0.5 hrs	Υ	Υ	Υ	Y	
	05/06/2024 ²	32	27	I/A	I/A	L _{A1 (1 min)} : 45	Night – 1 hr	N	Υ	Υ	Y	
	03/06/20242	I/A	30	28	31	Day, Evening & Night:	Day – 1.5 hrs	Υ	Υ	N	Y	
N9 ¹	04/06/2024 ²	I/A	25	30	41	35 Night	Evening – 0.5 hrs	Υ	Υ	Υ	Y	
	05/06/20242	31	I/A	32	38	<u>L_{A1 (1 min)}:</u> 45	Night – 1 hr	Y	Υ	Υ	Y	

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

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.

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

Figure 1 – EPL 12789 Monitoring Locations

