

MAULES CREEK COAL MINE - MONTHLY MONITORING SUMMARY

Site Information

EPL No: 20221

EPA Website Link: Hyperlink to Maules Creek Coal, Environment Protection Licence

Licensee: Maules Creek Coal Mine Pty Ltd

Licensee Address: Maules Creek Coal Mine, Therribri Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: January 2022 Obtained Date: 15 February 2022 Publication Date: 21 February 2022

Context: This Monthly Monitoring Summary aligns with the Environment Protection Licence (EPL) No. 20221 – Maules Creek Coal Mine issued 7th March 2018 by the NSW Environment Protection Authority (EPA).

Table 1 - Wet Weather Discharge - Surface Water Monitoring

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value		
	TSS	mg/L	Special									
3	Conductivity	μs/cm	Frequency									
(SD3)	Oil & Grease	mg/L	Discharge only									
	рH	pН	Discharge only									
	TSS	mg/L	Cnocial									
7	Conductivity	μs/cm	Special Frequency									
(SD7)	Oil & Grease	mg/L	Discharge only									
	рН	рН	Discharge Only			No dischar	ge at these locati	ons this month.				
	TSS	mg/L	Special									
9	Conductivity	μs/cm	Frequency									
(SD9)	Oil & Grease	mg/L	Discharge only									
	рH	рН	Discharge Only									
	TSS	mg/L	Consist									
36	Conductivity	μs/cm	Special									
(SD12)	Oil & Grease	mg/L	Frequency Discharge only									
	рН	рН	Discharge Only									

Table 2 - Surface Water Monitoring - Mine Void

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value
	TSS	mg/L							10
12	Conductivity	μs/cm	Every 2	1	14/01/2022	VEC			1100
(Mine Void)	Oil & Grease	mg/L	months	1	14/01/2022	YES			<5
	pH	рН							8.15

Table 3 - Groundwater Quality Monitoring

ID EPL (Bore)	Parameters	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value
15	рH	рН							
(BCM01)	Conductivity	μs/cm	Quarterly	0					
(BCIVIOI)	TDS	mg/L							
1.0	pН	pН	Quarterly	0					
16 (BCM03)	Conductivity	μs/cm							
(BCIVIUS)	TDS	mg/L					Next sample March 2	2022	
17	pH	рН							
(REG10A)	Conductivity	μs/cm	Quarterly	0					
(KEGIUA)	TDS	mg/L							
24	рH	рН		•					
24 (RB05A)	Conductivity	μs/cm	Quarterly	0					
(NBUSA)	TDS	mg/L							

Table 4 - Noise Monitoring (Attended - Measured)

MCC ID	Date	Start Time	Wind Speed (m/s)	MCCP LAeq _{15min} dB	Limit L _{Aeq} _{15min} (dB) Operations Criteria	MCCP LAeq _{1min} dB	Limit L _{A1 (1 min)} (dB) Operations Criteria	Weather Rain (mm)	Exceedance (Yes / No)
NM1	10/01/22	22:30	2.7	<20	35	<20	45	0.0	No
NM2	10/01/22	23:30	3.9	<20	39	<20	45	0.0	No
NM3	10/01/22	23:40	4.0	IA	35	IA	45	0.0	No
NM4	10/01/22	23:00	2.8	<20	35	20	45	0.0	No
NM5	10/01/22	22:00	2.1	IA	35	IA	45	0.0	No
NM6	10/01/22	23:56	3.8	IA	35	IA	45	0.0	No

Italicised text indicates wind speed exceeds the 3.0m/s maximum for noise monitoring.

Table 5 - Noise Monitoring (Attended - Low Frequency Assessment)

ND = No data due to high prevailing winds during the attended noise monitoring event.

NM = Not Measurable. If site noise is noted as NM, <20 dB or <30 dB, this means some noise was audible but could not be quantified.

IA = Site noise was inaudible at the monitoring location.

N/A in exceedance column means criterion was not applicable due to atmospheric conditions outside those specified in the project approval.

Table 6 - Blast Monitoring (Blasts - Limits Apply)

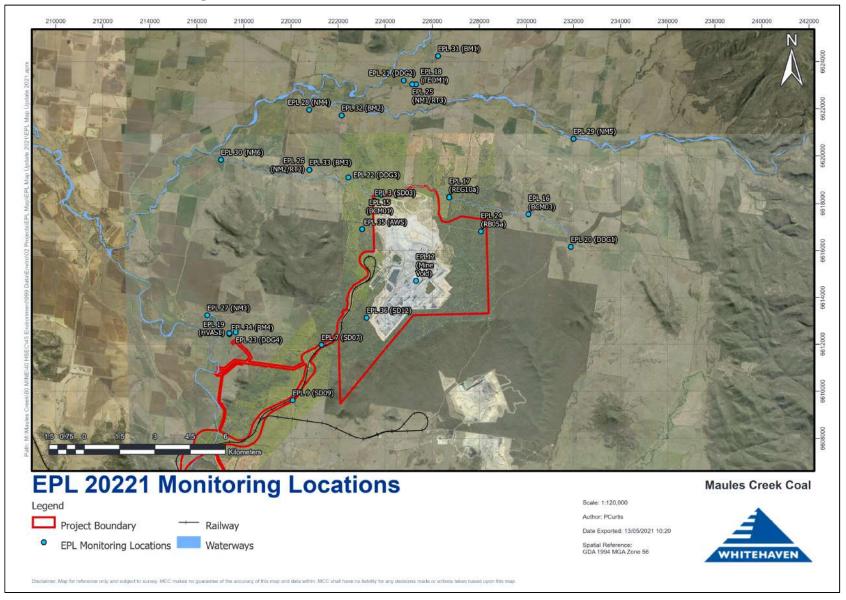
Location	Parameter	Units	Frequency	Number	Average	Max	100% Limit	Exceedance (Yes / No)
Operations	Overpressure	Db (Lin Peak)	All	12	92.5	105.1	120	No
Blasts	Vibration	mm/s	All	12	0.25	1.75	10	No

Table 7 - Dust Monitoring (Limits Apply)

ID EPL (Site)	Sample period	Unit	Parameter	Rolling Annual Average	NEPM Annual Criteria	Exceedance (Yes / No)
18 (TEOM1)	Continuous	μg/m³ month	PM ₁₀	6.2	30	No
19 (HVAS)	6 days	μg/m³	PM ₁₀	9.3	30	No

ID EPL (Site)	Sample period	Particulates Deposited Matter	Rolling Annual Average Insoluble Solids	Criteria	Exceedance (Yes / No)
20 (DDG1/MC1)	Monthly	g/m² month	1.5	4	No
21 (DDG2/MC2)	Monthly	g/m ² month	2.0	4	No
22 (DDG3/MC3)	Monthly	g/m ² month	1.6	4	No
23 (DDG4/MC4)	Monthly	g/m ² month	1.4	4	No

Figure 1 - EPL 20221 Monitoring Locations





MAULES CREEK COAL MINE - MONTHLY MONITORING SUMMARY

Site Information

EPL No: 20221

EPA Website Link: Hyperlink to Maules Creek Coal, Environment Protection Licence

Licensee: Maules Creek Coal Mine Pty Ltd

Licensee Address: Maules Creek Coal Mine, Therribri Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: February 2022 Obtained Date: 17 March 2022 Publication Date: 21 March 2022

Context: This Monthly Monitoring Summary aligns with the Environment Protection Licence (EPL) No. 20221 – Maules Creek Coal Mine issued 7th March 2018 by the NSW Environment Protection Authority (EPA).

Table 1 - Wet Weather Discharge - Surface Water Monitoring

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value			
	TSS	mg/L	Special										
3	Conductivity	μs/cm	Frequency										
(SD3)	Oil & Grease	mg/L	Discharge only										
	рН	pН	Discharge only			No dischar	ge at these location	ans this month					
	TSS	mg/L	Consist			NO discriar	ge at these location	ons uns monun.					
7	Conductivity	μs/cm	Special										
(SD7)	Oil & Grease	mg/L	Frequency Discharge only										
	рH	pН											
	TSS	mg/L	Consist			7/02/2022	NA	NA	NA	129			
9	Conductivity	μs/cm	Special	1	25/02/2022					1220			
(SD9)	Oil & Grease	mg/L	Frequency Discharge only	1	23/02/2022	7/03/2022	IVA	INA	INA	<5			
	рН	pН	Discharge only							8.02			
	TSS	mg/L	Consist										
36	Conductivity	μs/cm	Special Frequency Discharge only			No dischar	ao at thaca lacati	ans this month					
(SD12)	Oil & Grease	mg/L		No discharge at these locations this month. y									
	рН	рН	Discharge Only										

Table 2 - Surface Water Monitoring - Mine Void

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value	
	TSS	mg/L				=				
12	Conductivity	μs/cm	Every 2	Departies due duries Manch 2022 reporties agric d						
(Mine Void)	Oil & Grease	mg/L	months	U	Reporting due during March 2022 reporting period.					
	pH	pН								

Table 3 - Groundwater Quality Monitoring

ID EPL (Bore)	Parameters	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value
15	рH	pН							
(BCM01)	Conductivity	μs/cm	Quarterly	0					
(BCIVIOI)	TDS	mg/L							
16	рH	pН	Quarterly	0					
16 (BCM03)	Conductivity	μs/cm							
(BCIVIOS)	TDS	mg/L					Next sample March 2	2022	
17	pН	pН							
(REG10A)	Conductivity	μs/cm	Quarterly	0					
(REGIOA)	TDS	mg/L							
24	рH	pН							
(RB05A)	Conductivity	μs/cm	Quarterly	0					
(NBO3A)	TDS	mg/L							

Table 4 - Noise Monitoring (Attended - Measured)

MCC ID	Date	Start Time	Wind Speed (m/s)	MCCP LAeq _{15min} dB	Limit L _{Aeq} 15min (dB) Operations Criteria	MCCP LAeq _{1min} dB	Limit L _{A1 (1 min)} (dB) Operations Criteria	Weather Rain (mm)	Exceedance (Yes / No)
NM1	8/02/2022	22:45	0.3	<25	35	<25	45	0.0	No
NM2	8/02/2022	23:15	0.5	<25	39	<25	45	0.0	No
NM3	9/02/2022	00:05	0.6	IA	35	IA	45	0.0	No
NM4	8/02/2022	23:45	0.1	<20	35	<20	45	0.0	No
NM5	8/02/2022	22:00	0.5	25	35	28	45	0.0	No
NM6	8/02/2022	00:09	0.8	<20	35	<20	45	0.0	No

Italicised text indicates wind speed exceeds the 3.0m/s maximum for noise monitoring.

Table 5 - Noise Monitoring (Attended - Low Frequency Assessment)

ND = No data due to high prevailing winds during the attended noise monitoring event.

NM = Not Measurable. If site noise is noted as NM, <20 dB or <30 dB, this means some noise was audible but could not be quantified.

IA = Site noise was inaudible at the monitoring location.

N/A in exceedance column means criterion was not applicable due to atmospheric conditions outside those specified in the project approval.

Table 6 - Blast Monitoring (Blasts - Limits Apply)

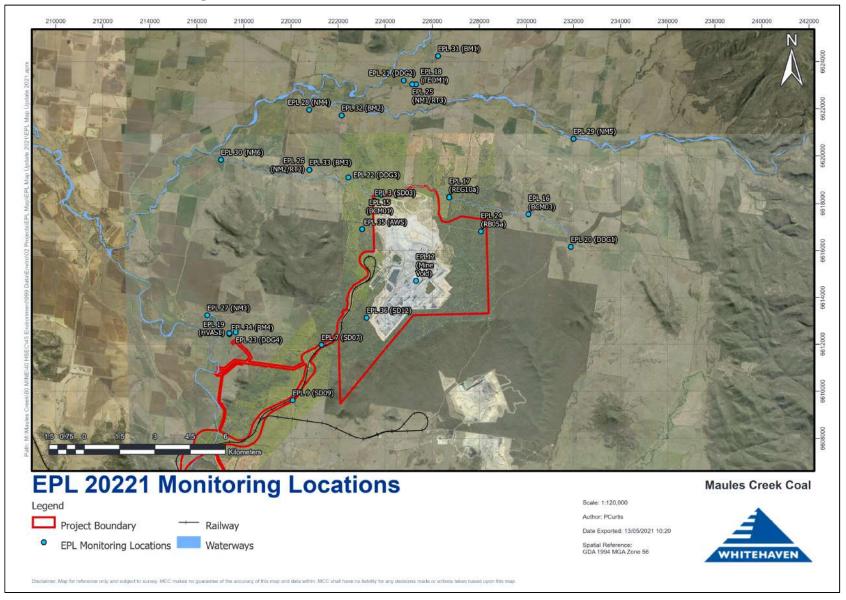
Location	Parameter	Units	Frequency	Number	Average	Max	100% Limit	Exceedance (Yes / No)
Operations	Overpressure	Db (Lin Peak)	All	10	96.6	113.2	120	No
Blasts	Vibration	mm/s	All	10	0.19	0.58	10	No

Table 7 - Dust Monitoring (Limits Apply)

ID EPL (Site)	Sample period	Unit	Parameter	Rolling Annual Average	NEPM Annual Criteria	Exceedance (Yes / No)
18 (TEOM1)	Continuous	μg/m³ month	PM ₁₀	6.0	30	No
19 (HVAS)	6 days	μg/m³	PM ₁₀	9.5	30	No

ID EPL (Site)	Sample period	Particulates Deposited Matter	Rolling Annual Average Insoluble Solids	Criteria	Exceedance (Yes / No)
20 (DDG1/MC1)	Monthly	g/m ² month	1.5	4	No
21 (DDG2/MC2)	Monthly	g/m ² month	1.7	4	No
22 (DDG3/MC3)	Monthly	g/m² month	1.5	4	No
23 (DDG4/MC4)	Monthly	g/m ² month	1.3	4	No

Figure 1 - EPL 20221 Monitoring Locations





MAULES CREEK COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 20221

EPA Website Link: <u>Hyperlink to Maules Creek Coal, Environment Protection Licence</u>

Licensee: Maules Creek Coal Mine Pty Ltd

Licensee Address: Maules Creek Coal Mine, Therribri Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: March 2022 Obtained Date: 14th April 2022 Publication Date: 21st April 2022

Context: This Monthly Monitoring Summary aligns with the Environment Protection Licence (EPL) No. 20221 – Maules Creek Coal Mine issued 7th March 2018 by the NSW Environment Protection Authority (EPA).

Table 1 - Wet Weather Discharge - Surface Water Monitoring

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value	
	TSS	mg/L	Special								
3	Conductivity	μs/cm	· '								
(SD3)	Oil & Grease	mg/L	Frequency Discharge only								
	рН	рН	Discharge Only								
	TSS	mg/L	امندمدى			No discha	rge at these locati	ons this month			
36	Conductivity	μs/cm	Special	No discharge at these locations this month							
(SD12)	Oil & Grease	mg/L	Frequency Discharge only								
	рН	рН	Discharge Only								

Table 2 - Surface Water Monitoring - Mine Void

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value
	TSS	mg/L							25
12	Conductivity	μs/cm	Every 2	1	15/02/2022	Yes			1110
(Mine Void)	Oil & Grease	mg/L	months	1	15/03/2022	res			<5
	рН	рН							8.26

Table 3 - Groundwater Quality Monitoring

ID EPL (Bore)	Parameters	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value		
15	рН	рН			Dry – Next sample in June 2022						
15 (BCM01)	Conductivity	μs/cm	Quarterly	0							
(BCIVIOT)	TDS	mg/L									
16	рН	рН									
16	Conductivity	μs/cm	Quarterly	0	Dry – Next sample in June 2022						
(BCM03)	TDS	mg/L	1								
47	рH	рН									
17	Conductivity	μs/cm	Quarterly	0		Dr	y – Next sample in Jun	ie 2022			
(REG10A)	TDS	mg/L	1								
2.4	рН	рН							7.51		
24	Conductivity	μs/cm	Quarterly	Quarterly 1 1	18/03/22	Yes			1810		
(RB05A) —	TDS	mg/L							1070		

Table 4 - Noise Monitoring (Attended - Measured)

MCC ID	Date	Start Time	Wind Speed (m/s)	MCCP LAeq _{15min} dB	Limit L _{Aeq} _{15min} (dB) Operations Criteria	MCCP LAeq _{1min} dB	Limit LA1 (1 min) (dB) Operations Criteria	Weather Rain (mm)	Exceedance (Yes / No)
NM1	7/03/2022	22:30	0.3	20	35	25	45	0.0	No
NM2	7/03/2022	23:30	0.6	25	39	40	45	0.0	No
NM3	7/03/2022	23:33	0.7	IA	35	IA	45	0.0	No
NM4	7/03/2022	23:00	0.6	<20	35	<20	45	0.0	No
NM5	7/03/2022	22:00	1.0	IA	35	IA	45	0.0	No
NM6	7/03/2022	23:56	0.3	<20	35	<20	45	0.0	No

ND = No data due to high prevailing winds during the attended noise monitoring event.

Italicised text indicates wind speed exceeds the 3.0m/s maximum for noise monitoring.

NM = Not Measurable. If site noise is noted as NM, <20 dB or <30 dB, this means some noise was audible but could not be quantified.

IA = Site noise was inaudible at the monitoring location.

N/A in exceedance column means criterion was not applicable due to atmospheric conditions outside those specified in the project approval.

Table 5 - Noise Monitoring (Attended - Low Frequency Assessment)

Table 6 - Blast Monitoring (Blasts - Limits Apply)

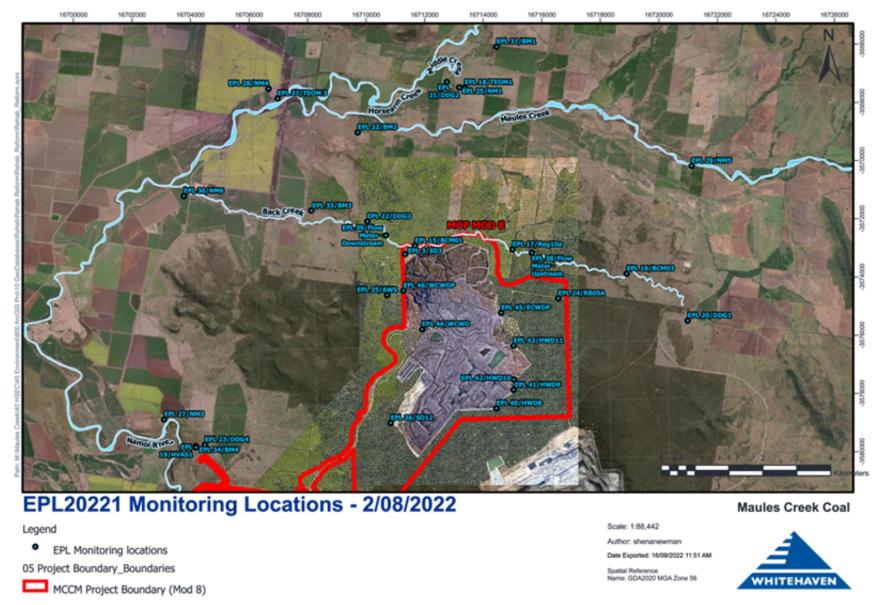
Location	Parameter	Units	Frequency	Number	Average	Max	100% Limit	Exceedance (Yes / No)
Operations	Overpressure	Db (Lin Peak)	ΔII	8	94.3	110.6	120	No
Blasts	Vibration	mm/s	All	8	0.15	0.35	10	No

Table 7 - Dust Monitoring (Limits Apply)

ID EPL (Site)	Sample period	Unit	Parameter	Rolling Annual Average	NEPM Annual Criteria	Exceedance (Yes / No)
18 (TEOM1)	Continuous	μg/m³ month	PM ₁₀	5.9	30	No
37 (TEOM3)	Continuous	μg/m³ month	PM ₁₀	10.9	30	No
19 (HVAS)	5 days	μg/m³	PM ₁₀	9.4	30	No

ID EPL (Site)	Sample period	Particulates Deposited Matter	Rolling Annual Average Insoluble Solids	Criteria	Exceedance (Yes / No)
20 (DDG1/MC1)	Monthly	g/m² month	1.5	4	No
21 (DDG2/MC2)	Monthly	g/m² month	1.6	4	No
22 (DDG3/MC3)	Monthly	g/m² month	1.5	4	No
23 (DDG4/MC4)	Monthly	g/m² month	1.2	4	No

Figure 1 - EPL 20221 Monitoring Locations





MAULES CREEK COAL MINE - MONTHLY MONITORING SUMMARY

Site Information

EPL No: 20221

EPA Website Link: Hyperlink to Maules Creek Coal, Environment Protection Licence

Licensee: Maules Creek Coal Mine Pty Ltd

Licensee Address: Maules Creek Coal Mine, Therribri Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: April 2022 Obtained Date: 13th May 2022 Publication Date: 16th May 2022

Context: This Monthly Monitoring Summary aligns with the Environment Protection Licence (EPL) No. 20221 – Maules Creek Coal Mine issued 7th March 2018 by the

NSW Environment Protection Authority (EPA).

Table 1 - Wet Weather Discharge - Surface Water Monitoring

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value	
	TSS	mg/L	Special								
3	Conductivity	μs/cm									
(SD3)	Oil & Grease	mg/L	Frequency Discharge only								
	рH	рН	Discharge Only	ly							
	TSS	mg/L	Consist			No discha	rge at these locati	ons this month			
36	Conductivity	μs/cm	Special	No discharge at these locations this month							
(SD12)	Oil & Grease	mg/L	Frequency Discharge only								
	рH	рН	Discharge Only								

Table 2 - Surface Water Monitoring - Mine Void

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value	
	TSS	mg/L			•	_	•			
12	Conductivity	μs/cm	Every 2	North Compile May 2022						
(Mine Void)	Oil & Grease	mg/L	months	Next Sample May 2022						
	рН	рН								

Table 3 - Groundwater Quality Monitoring

ID EPL (Bore)	Parameters	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value		
15	рH	рН									
(BCM01)	Conductivity	μs/cm	Quarterly	0							
(BCIVIOI)	TDS	mg/L									
1.0	pН	рН									
16	Conductivity	μs/cm	Quarterly	0							
(BCM03)	TDS	mg/L					Next sample in June 2	022			
47	pН	рН									
17	Conductivity	μs/cm	Quarterly	0							
(REG10A)	TDS	mg/L									
2.4	рH	pН									
24	Conductivity	μs/cm	Quarterly	0							
(RB05A)	TDS	mg/L									

Table 4 - Noise Monitoring (Attended - Measured)

MCC ID	Date	Start Time	Wind Speed (m/s)	MCCP LAeq _{15min} dB	Limit L _{Aeq} _{15min} (dB) Operations Criteria	MCCP LAeq _{1min} dB	Limit L _{A1 (1 min)} (dB) Operations Criteria	Weather Rain (mm)	Exceedance (Yes / No)
NM1	12/04/2022	23:30	0.4	IA	35	IA	45	0.0	No
NM2	12/04/2022	23:00	0.1	28	39	31	45	0.0	No
NM3	12/04/2022	23:32	0.3	IA	35	IA	45	0.0	No
NM4	12/04/2022	22:30	0.8	26	35	32	45	0.0	No
NM5	13/04/2022	00:00	0.6	IA	35	IA	45	0.0	No
NM6	12/04/2022	23:00	0.5	25	35	28	45	0.0	No

ND = No data due to high prevailing winds during the attended noise monitoring event.

Italicised text indicates wind speed exceeds the 3.0m/s maximum for noise monitoring.

NM = Not Measurable. If site noise is noted as NM, <20 dB or <30 dB, this means some noise was audible but could not be quantified.

IA = Site noise was inaudible at the monitoring location.

N/A in exceedance column means criterion was not applicable due to atmospheric conditions outside those specified in the project approval.

Table 5 - Noise Monitoring (Attended - Low Frequency Assessment)

Table 6 - Blast Monitoring (Blasts - Limits Apply)

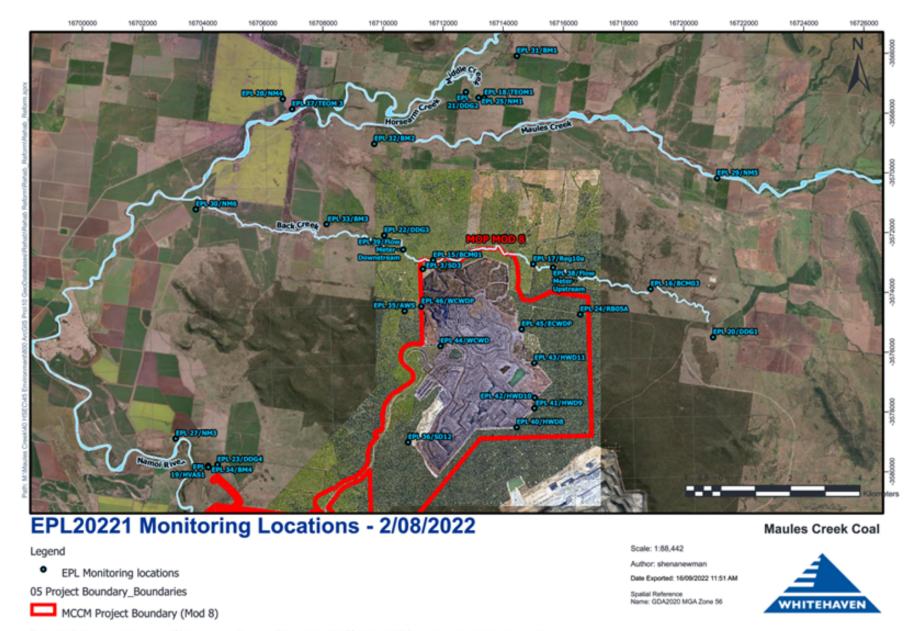
Location	Parameter	Units	Frequency	Number	Average	Max	100% Limit	Exceedance (Yes / No)
Operations	Overpressure	Db (Lin Peak)	ΔII	6	93.25	107.9	120	No
Blasts	Vibration	mm/s	All	6	0.13	0.29	10	No

Table 7 - Dust Monitoring (Limits Apply)

ID EPL (Site)	Sample period	Unit	Parameter	Rolling Annual Average	NEPM Annual Criteria	Exceedance (Yes / No)
18 (TEOM1)	Continuous	μg/m³ month	PM ₁₀	5.6	30	No
37 (TEOM3)	Continuous	μg/m³ month	PM ₁₀	10.7	30	No
19 (HVAS)	5 days	μg/m³	PM ₁₀	8.8	30	No

ID EPL (Site)	Sample period	Particulates Deposited Matter	Rolling Annual Average Insoluble Solids	Criteria	Exceedance (Yes / No)
20 (DDG1/MC1)	Monthly	g/m² month	1.6	4	No
21 (DDG2/MC2)	Monthly	g/m² month	1.5	4	No
22 (DDG3/MC3)	Monthly	g/m² month	1.6	4	No
23 (DDG4/MC4)	Monthly	g/m² month	1.3	4	No

Figure 1 - EPL 20221 Monitoring Locations





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Site Information

EPL No: 20221

EPA Website Link: Hyperlink to Maules Creek Coal, Environment Protection Licence

Licensee: Maules Creek Coal Mine Pty Ltd

Licensee Address: Maules Creek Coal Mine, Therribri Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: May 2022 Obtained Date: 16th June 2022 Publication Date: 20th June 2022

Context: This Monthly Monitoring Summary aligns with the Environment Protection Licence (EPL) No. 20221 – Maules Creek Coal Mine issued 30th March 2022 by the NSW Environment Protection Authority (EPA).

Table 1 - Wet Weather Discharge - Surface Water Monitoring

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value	
	TSS	mg/L	Special								
3	Conductivity	μs/cm	· '								
(SD3)	Oil & Grease	mg/L	Frequency Discharge only					Value			
	рН	рН	Discharge Only	No discharge at these locations this month							
	TSS	mg/L	امندمدى								
36	Conductivity	μs/cm	Special								
(SD12)	Oil & Grease	mg/L	Frequency Discharge only								
	рН	рН									

Table 2 - Surface Water Monitoring - Mine Void

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value
	TSS	mg/L							<5
12	Conductivity	μs/cm	Every 2	1	12/05/2022	16/06/2022	NA	NA	1190
(Mine Void)	Oil & Grease	mg/L	months	1	12/05/2022	16/06/2022	INA	INA	<5
	рН	рН							8.22

Table 3 - Groundwater Quality Monitoring

ID EPL (Bore)	Parameters	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value		
15	рH	рН									
(BCM01)	Conductivity	μs/cm	Quarterly	0							
(BCIVIOI)	TDS	mg/L									
1.0	pН	рН									
16	Conductivity	μs/cm	Quarterly	0							
(BCM03)	TDS	mg/L					Next sample in June 2	022			
47	pН	рН									
17	Conductivity	μs/cm	Quarterly	0							
(REG10A)	TDS	mg/L									
2.4	рH	pН									
24	Conductivity	μs/cm	Quarterly	0							
(RB05A)	TDS	mg/L									

Table 4 - Noise Monitoring (Attended - Measured)

MCC ID	Date	Start Time	Wind Speed (m/s)	MCCP LAeq _{15min} dB	Limit L _{Aeq} _{15min} (dB) Operations Criteria	MCCP LAeq _{1min} dB	Limit L _{A1 (1 min)} (dB) Operations Criteria	Weather Rain (mm)	Exceedance (Yes / No)
NM1	05/05/2022	22:30	1.6	<25	35	28	45	0.0	No
NM2	05/05/2022	23:30	1.4	25	39	30	45	0.0	No
NM3	05/05/2022	23:45	1.3	IA	35	IA	45	0.0	No
NM4	05/05/2022	23:00	1.1	<25	35	<25	45	0.0	No
NM5	05/05/2022	22:00	1.9	IA	35	IA	45	0.0	No
NM6	05/05/2022	23:56	1.6	IA	35	IA	45	0.0	No

ND = No data due to high prevailing winds during the attended noise monitoring event.

Italicised text indicates wind speed exceeds the 3.0m/s maximum for noise monitoring.

NM = Not Measurable. If site noise is noted as NM, <20 dB or <30 dB, this means some noise was audible but could not be quantified.

IA = Site noise was inaudible at the monitoring location.

N/A in exceedance column means criterion was not applicable due to atmospheric conditions outside those specified in the project approval.

Table 5 - Noise Monitoring (Attended - Low Frequency Assessment)

Table 6 - Blast Monitoring (Blasts - Limits Apply)

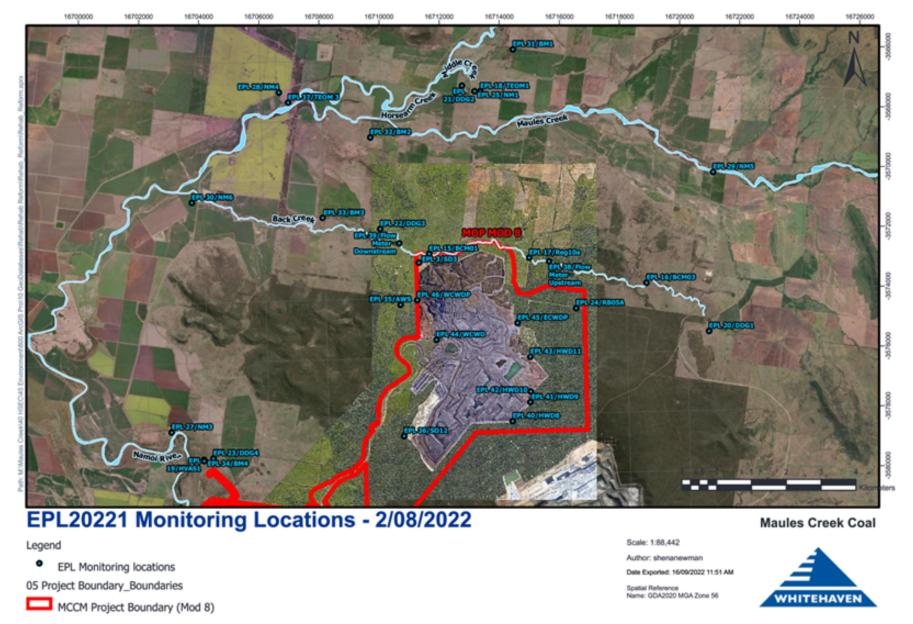
Location	Parameter	Units	Frequency	Number	Average	Max	100% Limit	Exceedance (Yes / No)
Operations	Overpressure	Db (Lin Peak)	ΛII	9	92.1	102.2	120	No
Blasts	Vibration	mm/s	All	9	0.15	0.9	10	No

Table 7 - Dust Monitoring (Limits Apply)

ID EPL (Site)	Sample period	Unit	Parameter	Rolling Annual Average	NEPM Annual Criteria	Exceedance (Yes / No)
18 (TEOM1)	Continuous	μg/m³ month	PM ₁₀	5.5	30	No
37 (TEOM3)	Continuous	μg/m³ month	PM ₁₀	10.4	30	No
19 (HVAS)	5 days	μg/m³	PM ₁₀	8.8	30	No

ID EPL (Site)	Sample period	Particulates Deposited Matter	Rolling Annual Average Insoluble Solids	Criteria	Exceedance (Yes / No)
20 (DDG1/MC1)	Monthly	g/m² month	1.2	4	No
21 (DDG2/MC2)	Monthly	g/m² month	1.3	4	No
22 (DDG3/MC3)	Monthly	g/m² month	1.6	4	No
23 (DDG4/MC4)	Monthly	g/m² month	1.2	4	No

Figure 1 - EPL 20221 Monitoring Locations





MAULES CREEK COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 20221

EPA Website Link: <u>Hyperlink to Maules Creek Coal, Environment Protection Licence</u>

Licensee: Maules Creek Coal Mine Pty Ltd

Licensee Address: Maules Creek Coal Mine, Therribri Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: June 2022 Obtained Date: 18th July 2022 Publication Date: 19th July 2022

Context: This Monthly Monitoring Summary aligns with the Environment Protection Licence (EPL) No. 20221 – Maules Creek Coal Mine issued 30th March 2022 by the NSW Environment Protection Authority (EPA).

Table 1 - Wet Weather Discharge - Surface Water Monitoring

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value		
	TSS	mg/L	Special									
3	Conductivity	μs/cm	· '									
(SD3)	Oil & Grease	mg/L	Frequency Discharge only									
	рН	рН										
	TSS	mg/L	امندمدى	No discharge at these locations this month								
36	Conductivity	μs/cm	Special	, and the second se								
(SD12)	Oil & Grease	mg/L	Frequency Discharge only									
	рН	рН										

Table 2 - Surface Water Monitoring - Mine Void

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value		
	TSS	mg/L	Every 2								
12	Conductivity	μs/cm		Next Sample in July 2022							
(Mine Void)	Oil & Grease	mg/L	months		2022						
	рН	рН									

Table 3 - Groundwater Quality Monitoring

ID EPL (Bore)	Parameters	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value		
15	рН	рН									
	Conductivity	μs/cm	Quarterly	0	Dry						
(BCM01)	TDS	mg/L									
16	рН	рН	Quarterly	0							
	Conductivity	μs/cm			Dry						
(BCM03)	TDS	mg/L									
17	рН	рН	Quarterly	0							
17	Conductivity	μs/cm			Dry						
(REG10A)	TDS	mg/L									
24 (RB05A)	pН	рН	Quarterly	1	20/06/2022				7.54		
	Conductivity	μs/cm				YES			1820		
	TDS	mg/L							1070		

Table 4 - Noise Monitoring (Attended - Measured)

MCC ID	Date	Start Time	Wind Speed (m/s)	MCCP LAeq _{15min} dB	Limit L _{Aeq} _{15min} (dB) Operations Criteria	MCCP LAeq _{1min} dB	Limit L _{A1 (1 min)} (dB) Operations Criteria	Weather Rain (mm)	Exceedance (Yes / No)
NM1	08/06/2022	22:30	0.5	<25	35	28	45	0.0	No
NM2	08/06/2022	23:30	0.9	<25	39	<25	45	0.0	No
NM3	08/06/2022	23:37	1	IA	35	IA	45	0.0	No
NM4	08/06/2022	23:00	0.3	<25	35	<25	45	0.0	No
NM5	08/06/2022	22:00	0.3	22	35	25	45	0.0	No
NM6	08/06/2022	23:57	1.3	IA	35	IA	45	0.0	No

ND = No data due to high prevailing winds during the attended noise monitoring event.

Italicised text indicates wind speed exceeds the 3.0m/s maximum for noise monitoring.

NM = Not Measurable. If site noise is noted as NM, <20 dB or <30 dB, this means some noise was audible but could not be quantified.

IA = Site noise was inaudible at the monitoring location.

N/A in exceedance column means criterion was not applicable due to atmospheric conditions outside those specified in the project approval.

Table 5 - Noise Monitoring (Attended - Low Frequency Assessment)

Table 6 - Blast Monitoring (Blasts - Limits Apply)

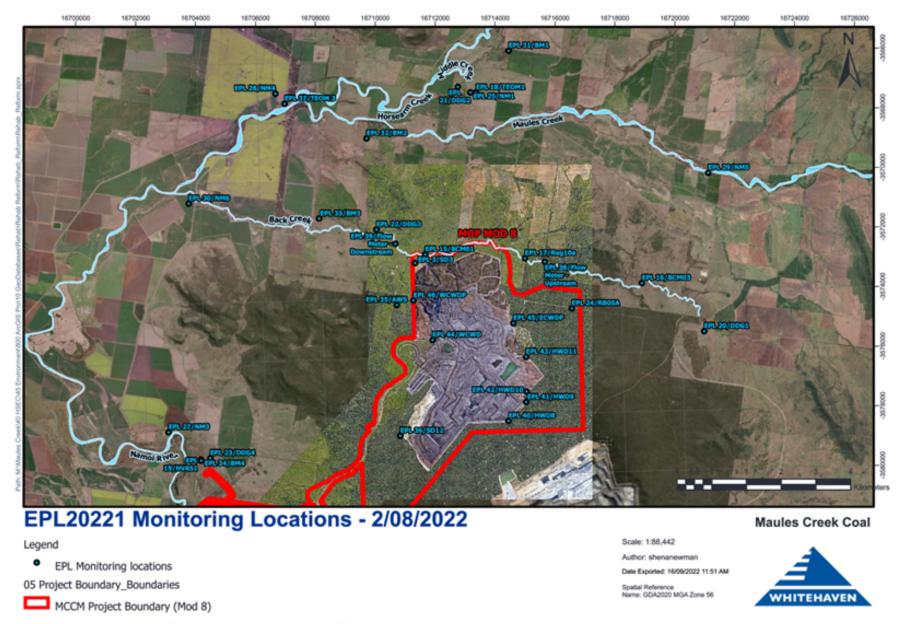
Location	Parameter	Units	Frequency	Number	Average	Max	100% Limit	Exceedance (Yes / No)
Operations	Overpressure	Db (Lin Peak)	All	10	90.23	104	120	No
Blasts	Vibration	mm/s		10	0.14	0.62	10	No

Table 7 - Dust Monitoring (Limits Apply)

ID EPL (Site)	Sample period	Unit	Parameter	Rolling Annual Average	NEPM Annual Criteria	Exceedance (Yes / No)
18 (TEOM1)	Continuous	μg/m³ month	PM ₁₀	5.6	30	No
37 (TEOM3)	Continuous	μg/m³ month	PM ₁₀	10.4	30	No
19 (HVAS)	5 days	μg/m³	PM ₁₀	8.7	30	No

ID EPL (Site)			Rolling Annual Average Insoluble Solids	Criteria	Exceedance (Yes / No)
20 (DDG1/MC1)	Monthly	g/m² month	1.2	4	No
21 (DDG2/MC2)	Monthly	g/m² month	1.4	4	No
22 (DDG3/MC3)	Monthly	g/m² month	1.7	4	No
23 (DDG4/MC4)	Monthly	g/m² month	1.3	4	No

Figure 1 - EPL 20221 Monitoring Locations





MAULES CREEK COAL MINE - MONTHLY MONITORING SUMMARY

Site Information

EPL No: 20221

EPA Website Link: Hyperlink to Maules Creek Coal, Environment Protection Licence

Licensee: Maules Creek Coal Mine Pty Ltd

Licensee Address: Maules Creek Coal Mine, Therribri Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: July 2022 **Obtained Date:** 15th August 2022 **Publication Date:** 20th August 2022

Context: This Monthly Monitoring Summary aligns with the Environment Protection Licence (EPL) No. 20221 – Maules Creek Coal Mine issued 2nd August 2022 by the

NSW Environment Protection Authority (EPA).



Monthly Monitoring Summary

Ground Water Monitoring

Table 1 - Groundwater Quality Monitoring

ID EPL (Bore)	Parameters	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value			
	pH	рН										
15 (BCM01)	Conductivity	μs/cm	Quarterly									
(BCIVIOI)	TDS	mg/L	7									
	рH	рН										
16 (BCM03)	Conductivity	μs/cm	Quarterly									
(BCIVIUS)	TDS	mg/L	1									
	рH	рН				Next sample	e in September 2022					
17 (BEC10A)	Conductivity	μs/cm	Quarterly									
(REG10A)	TDS	mg/L	1									
	pH	pН		rly								
(55054)	Conductivity	μs/cm	Quarterly									
(RB05A)	TDS	mg/L	1									



Surface Water Monitoring

Table 2 - Surface Water Monitoring - Mine Void

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value
	TSS	mg/L							<5
12	Conductivity	μs/cm	Every 2	1	14/07/2022	15/08/2022	NIA	l	1120
(Mine Void)	Oil & Grease	mg/L	months	1	14/07/2022	15/08/2022	NA	NA	<5
	pН	рН							8.23

Table 3 - Wet Weather Discharge - Surface Water Monitoring

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value
	Conductivity	μs/cm								
	Nitrate	mg/L								
	Nitrogen (total)	mg/L	Special							
3	Oil & Grease	mg/L	Frequency 1 - within 12							
(SD3)	рН	рН	hours of							
(303)	Phosphorous	mg/L	discharge from							
	Reactive Phosphorous	mg/L	EPL 3 or 36.							
	TSS	mg/L]							
	Conductivity	μs/cm				No discha	rge at these locati	ons this month		
	Nitrate	mg/L								
	Nitrogen (total)	mg/L	Special							
	Oil & Grease	mg/L	Frequency 1 -							
36	рН	рН	within 12							
(SD12)	Phosphorous	mg/L	hours of							
	Reactive Phosphorous	mg/L	discharge from EPL 3 or 36							
	TSS	mg/L]							
1	Conductivity	μs/cm								



Table 4 - Ambient Flow - Surface Water Monitoring

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value
	Conductivity	μs/cm								
	Nitrate	mg/L	Special							
20	Nitrogen (total)	mg/L	Frequency 3 -							
38	Oil & Grease	mg/L	within 12							
(Flow Meter	pH	рН	hours of							
Upstream)	Phosphorous	mg/L	discharge from							
	Reactive Phosphorous	mg/L	any discharge location.							
	TSS	mg/L				No disaban	+b +:			
	Conductivity	μs/cm				NO dischar	ge at these locati	ons this month		
	Nitrate	mg/L	Special							
20	Nitrogen (total)	mg/L	Frequency 3 -							
39 (Flave Mater	Oil & Grease	mg/L	within 12							
(Flow Meter	pH	рН	hours of							
downstream)	Phosphorous	mg/L	discharge from							
	Reactive Phosphorous	mg/L	any discharge location.							
	TSS	mg/L								

Table 5 - Clean Water Discharge - Surface Water Monitoring

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value	
	TSS	mg/L	Special Frequency 2 –								
40	Conductivity	μs/cm	prior to discharging from EPL 45	ng 45 No discharge at these locations this month and							
(HWD8)	Oil & Grease	mg/L	and/or 46 and again within								
	рН	рН	12hours of discharge,								



ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value
	TSS	mg/L	Special Frequency 2 –							
41	Conductivity	μs/cm	prior to discharging from EPL 45							
(HWD9)	Oil & Grease	mg/L	and/or 46 and again within							
	рН	рН	12hours of discharge,							
	TSS	mg/L	Special Frequency 2 – prior to							
42	Conductivity	μs/cm	discharging from EPL 45							
(HWD10)	Oil & Grease	mg/L	and/or 46 and again within							
	рН	рН	12hours of discharge,							
	TSS	mg/L	Special Frequency 2 – prior to							
43	Conductivity	μs/cm	discharging from EPL 45							
(HWD11)	Oil & Grease	mg/L	and/or 46 and again within							
	рН	рН	12hours of discharge,							
	TSS	mg/L	Special Frequency 2 – prior to							
44 (WCWD)	Conductivity	μs/cm	discharging from EPL 45							
(VVCVVD)	Oil & Grease	mg/L	and/or 46 and again within							
	рН	рН	12hours of discharge,							



ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value
	Oil & Grease	mg/L	discharge or							
45 (ECWDP)	рН	рН	dewatering occurs after 38.4mL over a							
	TSS	mg/L	5-day period.							
	Oil & Grease	mg/L	discharge or							
46 (WCWDP)	рН	рН	dewatering occurs after 38.4mL over a							
	TSS	mg/L	5-day period.							



Noise Monitoring

Table 6 - Noise Monitoring (Attended - Measured)

MCC ID	Date	Start Time	Wind Speed (m/s)	MCCP LAeq _{15min} dB	Limit L _{Aeq} _{15min} (dB) Operations Criteria	MCCP LAeq _{1min} dB	Limit L _{A1 (1 min)} (dB) Operations Criteria	Weather Rain (mm)	Exceedance (Yes / No)
NM1	14/07/2022	22:30	0.3	25	35	27	45	0.0	No
NM2	14/07/2022	23:30	0.4	30	39	35	45	0.0	No
NM3	14/07/2022	23:30	0.4	<25	35	27	45	0.0	No
NM4	14/07/2022	23:00	0.5	<20	35	35	45	0.0	No
NM5	14/07/2022	22:00	1.2	IA	35	IA	45	0.0	No
NM6	14/07/2022	23:55	0.3	<25	35	<25	45	0.0	No

MCC ID = Locations as per the EPL No.20221.

ND = No data due to high prevailing winds during the attended noise monitoring event.

Italicised text indicates wind speed exceeds the 3.0m/s maximum for noise monitoring.

NM = Not Measurable. If site noise is noted as NM, <20 dB or <30 dB, this means some noise was audible but could not be quantified.

IA = Site noise was inaudible at the monitoring location.

N/A in exceedance column means criterion was not applicable due to atmospheric conditions outside those specified in the project approval.

Table 7 - Noise Monitoring (Attended - Low Frequency Assessment)

None of the measurements satisfied the conditions for further assessment when assessed for the applicability of low frequency modification factors in accordance with the EPA's Noise Policy for Industry. Therefore, no further assessment of low frequency noise was required to be undertaken.



Blast Monitoring

Table 8 - Blast Monitoring (Blasts - Limits Apply)

Location	Parameter	Units	Frequency	Number	Average	Max	100% Limit	Exceedance (Yes / No)
Operations	Overpressure	Db (Lin Peak)	All	13	94.1	111.1	120	No
Blasts	Vibration	mm/s	All	13	0.14	0.64	10	No

Note: As of March 2018, in accordance with the requirements of the approved variation of EPL 20221; M7.1 blast monitoring results are for four blast monitoring points 31 (BM1), 32 (BM2), 33 (BM3) and 34 (BM4).



Air Quality Monitoring

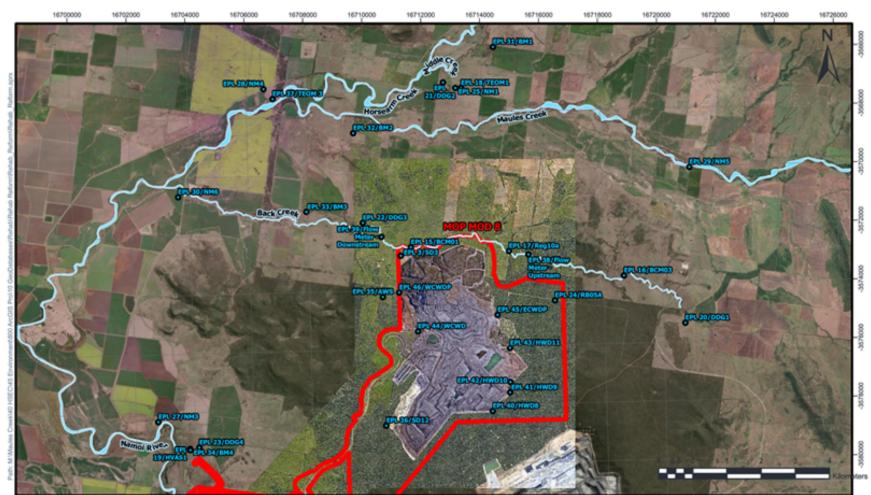
Table 9 – PM₁₀ (Limits Apply)

ID EPL (Site)	Sample period	Unit	Parameter	Rolling Annual Average	NEPM Annual Criteria	Exceedance (Yes / No)
18 (TEOM1)	Continuous	μg/m³ month	PM ₁₀	5.6	30	No
37 (TEOM3)	Continuous	μg/m³ month	PM ₁₀	10.6	30	No
19 (HVAS)	5 days	μg/m³	PM ₁₀	8.5	30	No

Table 10 – Depositional Dust (Limits Apply)

ID EPL (Site)	Sample period	Particulates Deposited Matter	Rolling Annual Average Insoluble Solids	Criteria	Exceedance (Yes / No)
20 (DDG1/MC1)	Monthly	g/m² month	1.2	4	No
21 (DDG2/MC2)	Monthly	g/m² month	1.1	4	No
22 (DDG3/MC3)	Monthly	g/m² month	1.8	4	No
23 (DDG4/MC4)	Monthly	g/m² month	1.2	4	No

Figure 1 - EPL 20221 Monitoring Locations



EPL20221 Monitoring Locations - 2/08/2022

Legend

EPL Monitoring locations

05 Project Boundary_Boundaries

MCCM Project Boundary (Mod 8)

Maules Creek Coal

Scale: 1:88,442 Author: shenanewman Date Exported: 16/09/2022 11:51 AM

Spatial Reference Name: GDA2020 MGA Zone 56





MAULES CREEK COAL MINE - MONTHLY MONITORING SUMMARY

Site Information

EPL No: 20221

EPA Website Link: <u>Hyperlink to Maules Creek Coal, Environment Protection Licence</u>

Licensee: Maules Creek Coal Mine Pty Ltd

Licensee Address: Maules Creek Coal Mine, Therribri Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: August 2022 Obtained Date: 15th September 2022 Publication Date: 22th September 2022

Context: This Monthly Monitoring Summary aligns with the Environment Protection Licence (EPL) No. 20221 – Maules Creek Coal Mine issued 2nd August 2022 by the

NSW Environment Protection Authority (EPA).



Monthly Monitoring Summary

Ground Water Monitoring

Table 1 - Groundwater Quality Monitoring

ID EPL (Bore)	Parameters	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value			
	рН	рН										
15 (BCM01)	Conductivity	μs/cm	Quarterly									
(BCIVIOI)	TDS	mg/L										
	pH	рН										
16 (BCM03)	Conductivity	μs/cm	Quarterly	Next sample in September 2022								
(BCIVIOS)	TDS	mg/L										
	pH	рН				·	·					
17 (REG10A)	Conductivity	μs/cm	Quarterly									
(NEGIUA)	TDS	mg/L	1									
	рH	рН		rly								
24 (DDOEA)	Conductivity	μs/cm	Quarterly									
(RB05A)	TDS	mg/L	Ī Ì									



Surface Water Monitoring

Table 2 - Surface Water Monitoring - Mine Void

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value		
	TSS	mg/L									
12	Conductivity	μs/cm	Every 2	Next sample in September 2022							
(Mine Void)	Oil & Grease	mg/L	months								
	pH	рН	'								

Table 3 - Wet Weather Discharge - Surface Water Monitoring

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value
	Conductivity	μs/cm								
	Nitrate	mg/L								
	Nitrogen (total)	mg/L	Special							
3	Oil & Grease	mg/L	Frequency 1 - within 12							
(SD3)	рН	рН	hours of							
(303)	Phosphorous	mg/L	discharge from							
	Reactive Phosphorous	mg/L	EPL 3 or 36.							
	TSS	mg/L								
	Conductivity	μs/cm				No dischar	rge at these locati	ons this month		
	Nitrate	mg/L								
	Nitrogen (total)	mg/L	Special							
	Oil & Grease	mg/L	Frequency 1 -							
36	рН	рН	within 12							
(SD12)	Phosphorous	mg/L	hours of							
	Reactive Phosphorous	mg/L	discharge from EPL 3 or 36							
	TSS	mg/L								
	Conductivity	μs/cm								



Table 4 - Clean Water Discharge - Surface Water Monitoring

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value	
	Conductivity	μs/cm								215	
	Nitrate	mg/L	Special							3.73	
20	Nitrogen (total)	mg/L	Frequency 3 -							6	
38 (Flow Meter	Oil & Grease	mg/L	within 12 hours of							<5	
Upstream)	рН	рН	discharge	1	16/08/2022	YES				7.55	
. ,	Phosphorous	mg/L	from any							0.19	
	Reactive Phosphorous	mg/L	discharge location.							0.02	
	TSS	mg/L								13	
	Conductivity	μs/cm								213	
	Nitrate	mg/L	Special							2.98	
20	Nitrogen (total)	mg/L	Frequency 3 -							5.1	
39 (Flow Meter downstream)	Oil & Grease	mg/L	within 12 hours of discharge							<5	
	рН	рН		1	16/08/2022	YES				7.67	
	Phosphorous	mg/L	from any							0.20	
	Reactive Phosphorous	mg/L	discharge location.							0.03	
	TSS	mg/L								12	
	TSS	mg/L	Special Frequency 2								
	Conductivity	μs/cm	- prior to discharging								
40 (HWD8)	Oil & Grease	mg/L	from EPL 45 and/or 46 and again		No disch	arge occurred from	this monitoring l	ocation during Au	gust 2022		
	рН	рН	within 12hours of discharge,								
41	TSS	mg/L	Special Frequency 2	No discharge occurred from this monitoring location during August 2022							
(HWD9)	Conductivity	μs/cm	prior to discharging	ior to							



	Oil & Grease	mg/L	from EPL 45 and/or 46									
	рН	рН	and again within 12hours of discharge,									
	TSS	mg/L	Special Frequency 2									
42	Conductivity	μs/cm	– prior todischargingfrom EPL 45									
(HWD10)	Oil & Grease	mg/L	and/or 46 and again		No discharge occurred from this monitoring location during August 2022							
	рН	рН	within 12hours of discharge,									
	TSS	mg/L	Special Frequency 2									
43	Conductivity	μs/cm	– prior todischargingfrom EPL 45									
(HWD11)	Oil & Grease	mg/L	and/or 46 and again		No disch	arge occurred fro	m this monitoring lo	cation during Augu	st 2022			
	рН	рН	within 12hours of discharge,									
	TSS	mg/L	Special Frequency 2						24			
44	Conductivity	μs/cm	– prior todischargingfrom EPL 45						600			
(WCWD)	D) Oil & Grease mg/L		and/or 46 and again	1	15/08/2022	YES			<5			
	рН	рН	within 12hours of discharge.						8.07			
45	Oil & Grease	mg/L	discharge or dewatering		No disch	arge occurred fro	m this monitoring lo	cation during Augu	st 2022			
(ECWDP)	рН	рН	occurs after									



	TSS	mg/L	38.4mL over a 5-day period.					
	Oil & Grease	mg/L	discharge or dewatering					<5
46 (WCWDP)	рН	pН	occurs after 38.4mL over	1	16/08/2022			8.01
	TSS	mg/L	a 5-day period.					40



Noise Monitoring

Table 6 - Noise Monitoring (Attended - Measured)

MCC ID	Date	Start Time	Wind Speed (m/s)	MCCP LAeq _{15min} dB	Limit L _{Aeq} _{15min} (dB) Operations Criteria	MCCP LAeq _{1min} dB	Limit L _{A1 (1 min)} (dB) Operations Criteria	Weather Rain (mm)	Exceedance (Yes / No)
NM1	22/08/2022	22:30	1.1	IA	35	IA	45	0.0	No
NM2	22/08/2022	23:30	0.6	IA	39	IA	45	0.0	No
NM3	22/08/2022	23:32	0.7	IA	35	IA	45	0.0	No
NM4	22/08/2022	23:00	0.6	IA	35	IA	45	0.0	No
NM5	22/08/2022	22:00	0.6	IA	35	IA	45	0.0	No
NM6	22/08/2022	23:56	0.3	IA	35	IA	45	0.0	No

MCC ID = Locations as per the EPL No.20221.

ND = No data due to high prevailing winds during the attended noise monitoring event.

Italicised text indicates wind speed exceeds the 3.0m/s maximum for noise monitoring.

NM = Not Measurable. If site noise is noted as NM, <20 dB or <30 dB, this means some noise was audible but could not be quantified.

IA = Site noise was inaudible at the monitoring location.

N/A in exceedance column means criterion was not applicable due to atmospheric conditions outside those specified in the project approval.

Table 7 - Noise Monitoring (Attended - Low Frequency Assessment)

None of the measurements satisfied the conditions for further assessment when assessed for the applicability of low frequency modification factors in accordance with the EPA's Noise Policy for Industry. Therefore, no further assessment of low frequency noise was required to be undertaken.



Blast Monitoring

Table 8 - Blast Monitoring (Blasts - Limits Apply)

Location	Parameter	Units	Frequency	Number	Average	Max	100% Limit	Exceedance (Yes / No)
Operations	Overpressure	Db (Lin Peak)	All	9	89.5	105.1	120	No
Blasts	Vibration	mm/s	All	9	0.17	0.63	10	No

Note: As of March 2018, in accordance with the requirements of the approved variation of EPL 20221; M7.1 blast monitoring results are for four blast monitoring points 31 (BM1), 32 (BM2), 33 (BM3) and 34 (BM4).



Air Quality Monitoring

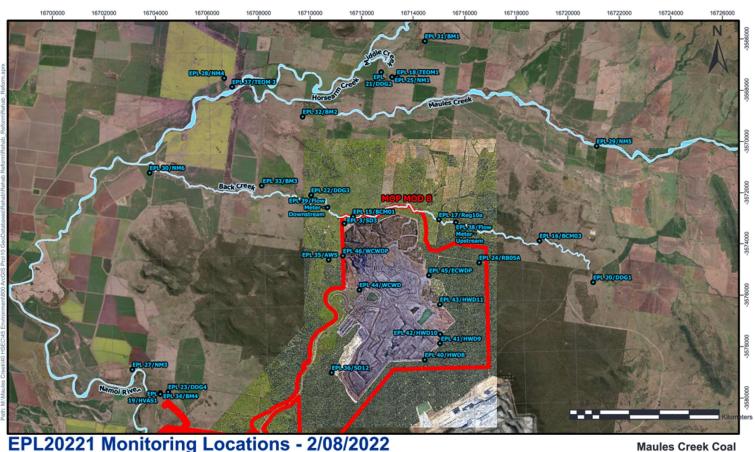
Table 9 – PM₁₀ (Limits Apply)

	•	11 27				
ID EPL (Site)	Sample period	Unit	Parameter	Rolling Annual Average	NEPM Annual Criteria	Exceedance (Yes / No)
18 (TEOM1)	Continuous	μg/m³ month	PM ₁₀	5.5	30	No
37 (TEOM3)	Continuous	μg/m³ month	PM ₁₀	11.1	30	No
19 (HVAS)	5 days	μg/m³	PM ₁₀	8.1	30	No

Table 10 – Depositional Dust (Limits Apply)

ID EPL (Site)	Sample period	Particulates Deposited Matter	Rolling Annual Average Insoluble Solids	Criteria	Exceedance (Yes / No)
20 (DDG1/MC1)	Monthly	g/m² month	1.4	4	No
21 (DDG2/MC2)	Monthly	g/m² month	1.0	4	No
22 (DDG3/MC3)	Monthly	g/m² month	1.9	4	No
23 (DDG4/MC4)	Monthly	g/m² month	1.0	4	No

Figure 1 - EPL 20221 Monitoring Locations



EPL20221 Monitoring Locations - 2/08/2022

Legend

EPL Monitoring locations

05 Project Boundary_Boundaries

MCCM Project Boundary (Mod 8)

Scale: 1:88,442

Author: shenanewman Date Exported: 16/09/2022 11:51 AM

Spatial Reference Name: GDA2020 MGA Zone 56





MAULES CREEK COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 20221

EPA Website Link: <u>Hyperlink to Maules Creek Coal, Environment Protection Licence</u>

Licensee: Maules Creek Coal Mine Pty Ltd

Licensee Address: Maules Creek Coal Mine, Therribri Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: October 2022 Obtained Date: 15th November 2022 Publication Date: 20th November 2022

Context: This Monthly Monitoring Summary aligns with the Environment Protection Licence (EPL) No. 20221 – Maules Creek Coal Mine issued 2nd August 2022 by the

NSW Environment Protection Authority (EPA).



Monthly Monitoring Summary

Ground Water Monitoring

Table 1 - Groundwater Quality Monitoring

ID EPL (Bore)	Parameters	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value			
	рН	рН					<u> </u>					
15 (BCM01)	Conductivity	μs/cm	Quarterly									
(BCIVIOI)	TDS	mg/L										
1.0	pH	рН										
(BCM03) ⊢—	Conductivity	μs/cm	Quarterly									
(BCIVIUS)	TDS	mg/L		Next sample in December 2022								
	рH	рН										
17 (REG10A)	Conductivity	μs/cm	Quarterly									
(REGIOA)	TDS	mg/L	7									
	pH	рН										
24 (DDOFA)	Conductivity	μs/cm	Quarterly									
(RB05A)	TDS	mg/L	1									



Surface Water Monitoring

Table 2 - Surface Water Monitoring - Mine Void

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value
	TSS	mg/L							9
12	Conductivity	μs/cm	Every 2	1	12/10/2022	15/11/2022	NA NA	l NA	1080
(Mine Void)	Oil & Grease	mg/L	months	1	13/10/2022	15/11/2022	I NA	NA	<5
	рН	рН							8.59

Table 3 - Wet Weather Discharge - Surface Water Monitoring

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value
	Conductivity	μs/cm								
	Nitrate	mg/L								
	Nitrogen (total)	mg/L	Special							
3	Oil & Grease	mg/L	Frequency 1 - within 12							
(SD3)	pH	pН	hours of							
(303)	Phosphorous	mg/L	discharge from							
	Reactive Phosphorous	mg/L	EPL 3 or 36.							
	TSS	mg/L								
	Conductivity	μs/cm				No dischar	rge at these locati	ons this month		
	Nitrate	mg/L								
	Nitrogen (total)	mg/L	Special							
	Oil & Grease	mg/L	Frequency 1 -							
36	рН	рН	within 12							
(SD12)	Phosphorous	mg/L	hours of							
	Reactive Phosphorous	mg/L	discharge from EPL 3 or 36							
	TSS	mg/L								
	Conductivity	μs/cm								



Table 4 - Clean Water Discharge - Surface Water Monitoring

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value
	Conductivity	μs/cm								174
	Nitrate	mg/L								<0.01
	Nitrogen (total)	mg/L								1.3
	Oil & Grease	mg/L								<5
	рН	рН		1	10/10/2022	YES		NA		7.55
	Phosphorous	mg/L								0.12
	Reactive Phosphorous	mg/L								0.03
	TSS	mg/L								14
	Conductivity	μs/cm	Special Frequency 3 - within 12 hours of discharge from any discharge location.							211
	Nitrate	mg/L		1						0.01
	Nitrogen (total)	mg/L								0.7
38 (Flow Meter Upstream)	Oil & Grease	mg/L								
	рН	рН			18/10/2022	YES	NA			7.63
. ,	Phosphorous	mg/L								0.06
	Reactive Phosphorous	mg/L								0.01
	TSS	mg/L						5		
	Conductivity	μs/cm								158
	Nitrate	mg/L								0.08
	Nitrogen (total)	mg/L								2.3
	Oil & Grease	mg/L								<5
	рН	рН		1	21/10/2022	YES		NA		7.63
	Phosphorous	mg/L								0.66
	Reactive Phosphorous	mg/L								0.33
	TSS	mg/L								181
39	Conductivity	μs/cm	Special							181
(Flow Meter	Nitrate	mg/L	Frequency 3 -	1	10/10/2022	YES		NA		0.04
downstream)	Nitrogen (total)	mg/L	within 12							1.3



						WHITEHAV				
	Oil & Grease	mg/L	hours of					<5		
	рН	рН	discharge					7.36		
	Phosphorous	mg/L	from any discharge					0.15		
	Reactive Phosphorous	mg/L	location.					0.03		
	TSS	mg/L	7					10		
	Conductivity	μs/cm	7 [251		
	Nitrate	mg/L	7					20		
	Nitrogen (total)	mg/L	7					0.60		
	Oil & Grease	mg/L	7					<5		
	рН	рН		1	18/10/2022	YES	NA	7.84		
	Phosphorous	mg/L						0.09		
	Reactive Phosphorous	mg/L						0.03		
	TSS	mg/L						5		
	Conductivity	μs/cm						110		
	Nitrate	mg/L						0.08		
	Nitrogen (total)	mg/L						1.7		
	Oil & Grease	mg/L	_					<5		
	рН	рН	_	1	21/10/2022	YES	NA	7.47		
	Phosphorous	mg/L						0.30		
	Reactive Phosphorous	mg/L						0.10		
	TSS	mg/L						88		
	TSS	mg/L	Special Frequency 2							
	Conductivity	μs/cm	- prior to							
40 (HWD8)	Oil & Grease	mg/L	from EPL 45 and/or 46 or within		No dischar	ge occurred from t	this monitoring location during September 2022			
(11400)	рН	рН	12hours of discharge caused by 38.4mm in a 5 Day							



			1	I								
			consecutive period									
	TSS	mg/L	Special Frequency 2									
	Conductivity	μs/cm	– prior todischargingfrom EPL 45		No discharge occurred from this monitoring location during September 2022							
41	Oil & Grease	mg/L	and/or 46 or within									
(HWD9)	рН	рН	12hours of discharge caused by 38.4mm in a 5 Day consecutive period									
	TSS mg/L							66				
	Conductivity	μs/cm	Special Frequency 2 – prior to	1	10/10/2022	YES	NA	124				
	Oil & Grease	mg/L	discharging from EPL 45		10, 10, 2022	TLS	INA	<5				
42	рН	рН	and/or 46 or within					6.82				
(HWD10)	TSS	mg/L	12hours of discharge					130				
	Conductivity	μs/cm	caused by 38.4mm in a 5 Day	1	21/10/2022	YES	NA	120				
	Oil & Grease	mg/L	consecutive period	_	21/10/2022	123	NA NA	<5				
	рН	рН						7.22				
	TSS	mg/L	Special Frequency 2					34				
43 (HWD11)	Conductivity	μs/cm	rrequency 2 - prior to discharging from EPL 45 and/or 46 or	1	10/10/2022	Yes	NA	166				
	Oil & Grease	mg/L						<5				



						William		
	рН	рН	within 12hours of					6.85
	TSS	mg/L	discharge caused by					14
	Conductivity	μs/cm	38.4mm in a 5 Day consecutive	4	40/40/2022	VEC		169
	Oil & Grease	mg/L	period	1	18/10/2022	YES	NA	<5
	рН	рН						6.72
	TSS	mg/L						64
	Conductivity	μs/cm		4	24 /4 0 /2022	VEC	NA.	141
	Oil & Grease	mg/L		1	21/10/2022	YES	NA	<5
	рН	рН						7.26
	TSS	mg/L						32
	Conductivity	μs/cm	Special Frequency 2	4	10/10/2022	VEC	NA.	637
	Oil & Grease	mg/L	– prior todischargingfrom EPL 45	1	10/10/2022	YES	NA	<5
44	рН	рН	and/or 46 or within					7.83
(WCWD)	TSS	mg/L	12hours of discharge					88
	Conductivity	μs/cm	caused by 38.4mm in a	1	21/10/2022	YES	NA	963
	Oil & Grease	mg/L	5 Day consecutive period	1	21/10/2022	YES	NA NA	<5
	рН	рН						7.70
45	Oil & Grease	mg/L		1	10/10/2022		NA	<5



						Williams		
(ECWDP)	рН	рН						6.86
	TSS	mg/L]					21
	Oil & Grease	mg/L] . [<5
	рН	рН	not more than 12	n 12	NA	7.12		
	TSS	mg/L	hours after discharge					5
	Oil & Grease	mg/L	commences					<5
	рН	рН		1	21/10/2022	21/10/2022	NA	6.55
	TSS	mg/L						112
	Oil & Grease	mg/L						<5
	рН	рН	1 .	1	10/10/2022	YES	NA	7.77
46	TSS	mg/L	not more than 12					26
(WCWDP)	Oil & Grease	mg/L	hours after discharge					<5
	рН	mg/L	- commences	1	21/10/2022	YES	NA	7.91
	TSS	рН						183



Noise Monitoring

Table 6 – Noise Monitoring (Attended – Measured)

MCC ID	Date	Start Time	Wind Speed (m/s)	MCCP LAeq _{15min} dB	Limit L _{Aeq} _{15min} (dB) Operations Criteria	MCCP LAeq _{1min} dB	Limit L _{A1 (1 min)} (dB) Operations Criteria	Weather Rain (mm)	Exceedance (Yes / No)
NM1	4/10/2022	23:00	0.9	29	35	34	45	0.0	No
NM2	4/10/2022	23:45	0.3	32	39	35	45	0.0	No
NM3	5/10/2022	00:04	0.3	IA	35	IA	45	0.0	No
NM4	5/10/2022	00:15	0.4	25	35	26	45	0.0	No
NM5	4/10/2022	22:18	0.5	<20	35	<20	45	0.0	No
NM6	5/10/2022	00:46	0.5	<25	35	27	45	0.0	No

MCC ID = Locations as per the EPL No.20221.

ND = No data due to high prevailing winds during the attended noise monitoring event.

Italicised text indicates wind speed exceeds the 3.0m/s maximum for noise monitoring.

NM = Not Measurable. If site noise is noted as NM, <20 dB or <30 dB, this means some noise was audible but could not be quantified.

IA = Site noise was inaudible at the monitoring location.

N/A in exceedance column means criterion was not applicable due to atmospheric conditions outside those specified in the project approval.

Table 7 - Noise Monitoring (Attended - Low Frequency Assessment)

None of the measurements satisfied the conditions for further assessment when assessed for the applicability of low frequency modification factors in accordance with the EPA's Noise Policy for Industry. Therefore, no further assessment of low frequency noise was required to be undertaken.



Blast Monitoring

Table 8 - Blast Monitoring (Blasts - Limits Apply)

Location	Parameter	Units	Frequency	Number	Average	Max	100% Limit	Exceedance (Yes / No)
Operations	Overpressure	Db (Lin Peak)	All	8	93.3	106.6	120	No
Blasts	Vibration	mm/s	All	8	0.17	0.81	10	No

Note: As of March 2018, in accordance with the requirements of the approved variation of EPL 20221; M7.1 blast monitoring results are for four blast monitoring points 31 (BM1), 32 (BM2), 33 (BM3) and 34 (BM4).



Air Quality Monitoring

Table 9 – PM₁₀ (Limits Apply)

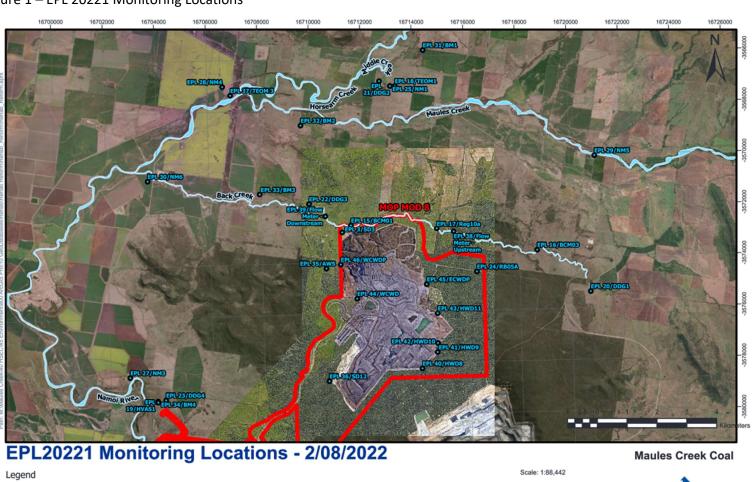
	•	11 27				
ID EPL (Site)	Sample period	Unit	Parameter	Rolling Annual Average	NEPM Annual Criteria	Exceedance (Yes / No)
18 (TEOM1)	Continuous	μg/m³ month	PM ₁₀	5.1	30	No
37 (TEOM3)	Continuous	μg/m³ month	PM ₁₀	14.2	30	No
19 (HVAS)	5 days	μg/m³	PM ₁₀	7.9	30	No

Table 10 – Depositional Dust (Limits Apply)

ID EPL (Site)	Sample period	Particulates Deposited Matter	Rolling Annual Average Insoluble Solids	Criteria	Exceedance (Yes / No)
20 (DDG1/MC1)	Monthly	g/m² month	0.8	4	No
21 (DDG2/MC2)	Monthly	g/m² month	0.9	4	No
22 (DDG3/MC3)	Monthly	g/m² month	2.1	4	No
23 (DDG4/MC4)	Monthly	g/m² month	1.1	4	No



Figure 1 – EPL 20221 Monitoring Locations



EPL Monitoring locations

05 Project Boundary_Boundaries

MCCM Project Boundary (Mod 8)

Author: shenanewman

Date Exported: 16/09/2022 11:51 AM

Spatial Reference Name: GDA2020 MGA Zone 56



Disclaimer. Map for reference only and subject to survey. MCC makes no guarantee of the accuracy of this map and data within. MCC shall have no liability for any decisions made or actions taken based upon this map



MAULES CREEK COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 20221

EPA Website Link: <u>Hyperlink to Maules Creek Coal, Environment Protection Licence</u>

Licensee: Maules Creek Coal Mine Pty Ltd

Licensee Address: Maules Creek Coal Mine, Therribri Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: September 2022 Obtained Date: 15th October 2022 Publication Date: 25th October 2022

Context: This Monthly Monitoring Summary aligns with the Environment Protection Licence (EPL) No. 20221 – Maules Creek Coal Mine issued 2nd August 2022 by the

NSW Environment Protection Authority (EPA).



Monthly Monitoring Summary

Ground Water Monitoring

Table 1 - Groundwater Quality Monitoring

ID EPL (Bore)	Parameters	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value	
	pH	рН								
15 (BCM01)	Conductivity	μs/cm	Quarterly	0	Dry					
(BCIVIOI)	TDS	mg/L	7							
	рH	рН								
(BCM03) ⊢	Conductivity	μs/cm	Quarterly	0			Dry			
	TDS	mg/L								
	рH	рН								
17 (REG10A)	Conductivity	μs/cm	Quarterly	0			Dry			
(REGIOA)	TDS	mg/L								
24 (RB05A)	pН	рН	Quarterly						7.59	
	Conductivity	μs/cm		1	5/09/2022	YES	N/A	N/A	1920	
	TDS	mg/L							1030	



Surface Water Monitoring

Table 2 - Surface Water Monitoring - Mine Void

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value
	TSS	mg/L							<5
12	Conductivity	μs/cm	Every 2	12/00/2022	15/10/2022	l _{NA}	NIA	1110	
(Mine Void)	Oil & Grease	mg/L	months	. 1 1 1	12/09/2022	15/10/2022	l NA	NA	<5
	рH	рН							8.38

Table 3 - Wet Weather Discharge - Surface Water Monitoring

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value
	Conductivity	μs/cm								
	Nitrate	mg/L								
	Nitrogen (total)	mg/L	Special							
3	Oil & Grease	mg/L	Frequency 1 - within 12							
(SD3)	pH	pН	hours of							
(303)	Phosphorous	mg/L	discharge from							
	Reactive Phosphorous	mg/L	EPL 3 or 36.							
	TSS	mg/L								
	Conductivity	μs/cm				No dischar	rge at these locati	ons this month		
	Nitrate	mg/L								
	Nitrogen (total)	mg/L	Special							
	Oil & Grease	mg/L	Frequency 1 -							
36	рН	рН	within 12							
(SD12)	Phosphorous	mg/L	hours of							
	Reactive Phosphorous	mg/L	discharge from EPL 3 or 36							
	TSS	mg/L								
	Conductivity	μs/cm								



Table 4 - Clean Water Discharge - Surface Water Monitoring

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value
38 (Flow Meter Upstream)	Conductivity	μs/cm	Special Frequency 3 - within 12 hours of discharge from any discharge location.	1	16/09/2022	YES	NA			105
	Nitrate	mg/L								0.17
	Nitrogen (total)	mg/L								2.1
	Oil & Grease	mg/L								<5
	рН	рН								7.16
	Phosphorous	mg/L								0.27
	Reactive Phosphorous	mg/L								0.04
	TSS	mg/L								152
	Conductivity	μs/cm		1	19/09/2022	YES	NA			160
	Nitrate	mg/L								0.05
	Nitrogen (total)	mg/L								0.5
	Oil & Grease	mg/L								<10
	рН	рН								7.38
	Phosphorous	mg/L								0.1
	Reactive Phosphorous	mg/L								0.03
	TSS	mg/L								27
	Conductivity	μs/cm		1	28/09/2022	YES				181
	Nitrate	mg/L								<0.01
	Nitrogen (total)	mg/L								1.0
	Oil & Grease	mg/L								<5
	рН	рН					NA		7.5	
	Phosphorous	mg/L							0.1	
	Reactive Phosphorous	mg/L								0.02
	TSS	mg/L								14
39	Conductivity	μs/cm	Special Frequency 3 -	1	16/09/2022	YES	NA			117
	Nitrate	mg/L							0.29	



						WHITEHAV					
(Flow Meter	Nitrogen (total)	mg/L	within 12					1.9			
downstream)	Oil & Grease	mg/L	hours of					<5			
	рН	рН	discharge from any					7.43			
	Phosphorous	mg/L	discharge					0.3			
	Reactive Phosphorous	mg/L	location.					0.08			
	TSS	mg/L						104			
	Conductivity	μs/cm						190			
	Nitrate	mg/L						0.32			
	Nitrogen (total)	mg/L]					0.7			
	Oil & Grease	mg/L						<10			
	рН	рН		1	19/09/2022	YES	NA	7.54			
	Phosphorous	mg/L						0.2			
	Reactive Phosphorous	mg/L						0.051			
	TSS	mg/L						89			
	Conductivity	μs/cm	1					211			
	Nitrate	mg/L						0.23			
	Nitrogen (total)	mg/L						1.3			
	Oil & Grease	mg/L						<5			
	рН	рН		1	28/09/2022	YES	NA	7.41			
	Phosphorous	mg/L						0.11			
	Reactive Phosphorous	mg/L						0.08			
	TSS	mg/L						11			
	TSS	mg/L	Special Frequency 2								
40	Conductivity	μs/cm	– prior to discharging from EPL 45								
40 (HWD8)	Oil & Grease	mg/L	and/or 46 and again	No discharge occurred from this monitoring location during September 2022							
	рН	рН	within 12hours of discharge,	f							



	TSS Conductivity	mg/L μs/cm	Special Frequency 2 - prior to discharging									
41	Conductivity	дзуст	from EPL 45		A. 11 1	16						
(HWD9)	Oil & Grease	mg/L	and/or 46 and again	No discharge occurred from this monitoring location during September 2022								
	рН	рН	within 12hours of discharge,									
	TSS	mg/L						140				
	Conductivity	μs/cm		_	4.6./20./2022			124				
	Oil & Grease	mg/L		1	16/09/2022	YES	NA	<5				
	рН	рН	Special Frequency 2 — prior to discharging from EPL 45					7.04				
	TSS	mg/L			19/09/2022	YES	NA	22				
42	Conductivity	μs/cm	and/or 46 or within	4				150				
(HWD10)	Oil & Grease	mg/L	12hours of discharge	1				<10				
	pH	рН	caused by 38.4mm in a					6.74				
	TSS	mg/L	5 Day consecutive period					27				
	Conductivity	μs/cm	7	1	20/00/2022	VEC	NA.	116				
	Oil & Grease	mg/L		1	28/09/2022	YES	NA	<5				
	рН	рН						6.89				
43 (HWD11)	TSS	mg/L	Special Frequency 2	1	16/09/2022	YES	NA	102				



_								
	Conductivity	μs/cm	– prior to discharging					282
	Oil & Grease	mg/L	from EPL 45 and/or 46 or within					<5
	рН	рН	12hours of discharge					7.12
	TSS	mg/L	caused by 38.4mm in a					21
	Conductivity	μs/cm	5 Day consecutive	4	10/00/2022	VEC	NA.	180
	Oil & Grease	mg/L	period	1	19/09/2022	YES	NA	<10
	рН	рН						6.82
	TSS	mg/L						8
	Conductivity	μs/cm		1	28/09/2022	YES	NA	156
	Oil & Grease	mg/L		1	28/09/2022	TES	NA NA	<5
	рН	рН						7.05
	TSS	mg/L	Special Frequency 2					374
	Conductivity	μs/cm	– prior todischargingfrom EPL 45					308
44	Oil & Grease	mg/L	and/or 46 or within					<5
(WCWD)	12hours of discharge caused by pH pH 38.4mm in a 5 Day consecutive period	1	16/09/2022	YES	NA	7.67		
45	Oil & Grease	mg/L		1	16/09/2022		NA	<5



(ECWDP)	рН	рН					7.07
	TSS	mg/L]				71
	Oil & Grease	mg/L	discharge or				<10
	рН	рН	dewatering occurs after		19/09/2022	NA	6.97
	TSS	mg/L	38.4mL over a 5-day				45
	Oil & Grease	mg/L	period.				<5
	рН	рН		1		NA	6.91
	TSS	mg/L]				11
	Oil & Grease	mg/L	discharge or dewatering				<5
46 (WCWDP)	рН	рН	occurs after 38.4mL over	1	16/09/2022	NA	7.71
	TSS	mg/L	a 5-day period.				322



Noise Monitoring

Table 6 - Noise Monitoring (Attended - Measured)

MCC ID	Date	Start Time	Wind Speed (m/s)	MCCP LAeq _{15min} dB	Limit L _{Aeq} _{15min} (dB) Operations Criteria	MCCP LAeq _{1min} dB	Limit L _{A1 (1 min)} (dB) Operations Criteria	Weather Rain (mm)	Exceedance (Yes / No)
NM1	13/09/2022	22:30	0.5	IA	35	IA	45	0.0	No
NM2	13/09/2022	23:30	0.3	25	39	28	45	0.0	No
NM3	13/09/2022	23:27	0.5	26	35	30	45	0.0	No
NM4	13/09/2022	23:00	0.3	IA	35	IA	45	0.0	No
NM5	13/09/2022	22:00	0.8	IA	35	IA	45	0.0	No
NM6	13/09/2022	23:56	0.4	IA	35	IA	45	0.0	No

MCC ID = Locations as per the EPL No.20221.

ND = No data due to high prevailing winds during the attended noise monitoring event.

Italicised text indicates wind speed exceeds the 3.0m/s maximum for noise monitoring.

NM = Not Measurable. If site noise is noted as NM, <20 dB or <30 dB, this means some noise was audible but could not be quantified.

IA = Site noise was inaudible at the monitoring location.

N/A in exceedance column means criterion was not applicable due to atmospheric conditions outside those specified in the project approval.

Table 7 - Noise Monitoring (Attended - Low Frequency Assessment)

None of the measurements satisfied the conditions for further assessment when assessed for the applicability of low frequency modification factors in accordance with the EPA's Noise Policy for Industry. Therefore, no further assessment of low frequency noise was required to be undertaken.



Blast Monitoring

Table 8 - Blast Monitoring (Blasts - Limits Apply)

Location	Parameter	Units	Frequency	Number	Average	Max	100% Limit	Exceedance (Yes / No)
Operations	Overpressure	Db (Lin Peak)	All	7	91.9	106.8	120	No
Blasts	Vibration	mm/s	All	7	0.15	0.38	10	No

Note: As of March 2018, in accordance with the requirements of the approved variation of EPL 20221; M7.1 blast monitoring results are for four blast monitoring points 31 (BM1), 32 (BM2), 33 (BM3) and 34 (BM4).



Air Quality Monitoring

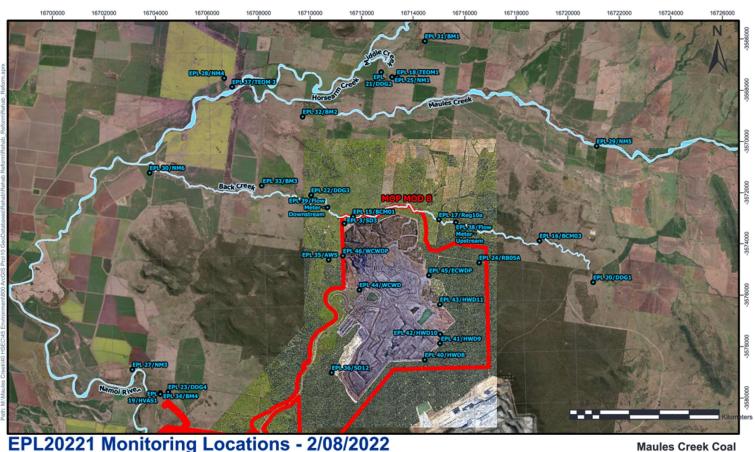
Table 9 – PM₁₀ (Limits Apply)

ID EPL (Site)	Sample period	Unit	Parameter	Rolling Annual Average	NEPM Annual Criteria	Exceedance (Yes / No)
18 (TEOM1)	Continuous	μg/m³ month	PM ₁₀	5.4	30	No
37 (TEOM3)	Continuous	μg/m³ month	PM ₁₀	11.8	30	No
19 (HVAS)	5 days	μg/m³	PM ₁₀	8.0	30	No

Table 10 – Depositional Dust (Limits Apply)

ID EPL (Site)	Sample period	Particulates Deposited Matter	Rolling Annual Average Insoluble Solids	Criteria	Exceedance (Yes / No)
20 (DDG1/MC1)	Monthly	g/m² month	2.3	4	No
21 (DDG2/MC2)	Monthly	g/m² month	0.9	4	No
22 (DDG3/MC3)	Monthly	g/m² month	2.0	4	No
23 (DDG4/MC4)	Monthly	g/m² month	1.1	4	No

Figure 1 - EPL 20221 Monitoring Locations



EPL20221 Monitoring Locations - 2/08/2022

Legend

EPL Monitoring locations

05 Project Boundary_Boundaries

MCCM Project Boundary (Mod 8)

Scale: 1:88,442

Author: shenanewman Date Exported: 16/09/2022 11:51 AM

Spatial Reference Name: GDA2020 MGA Zone 56





MAULES CREEK COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 20221

EPA Website Link: <u>Hyperlink to Maules Creek Coal, Environment Protection Licence</u>

Licensee: Maules Creek Coal Mine Pty Ltd

Licensee Address: Maules Creek Coal Mine, Therribri Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: October 2022 Obtained Date: 15th December 2022 Publication Date: 16th December 2022

Context: This Monthly Monitoring Summary aligns with the Environment Protection Licence (EPL) No. 20221 – Maules Creek Coal Mine issued 2nd August 2022 by the

NSW Environment Protection Authority (EPA).



Monthly Monitoring Summary

Ground Water Monitoring

Table 1 - Groundwater Quality Monitoring

ID EPL (Bore)	Parameters	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value	
	рН	рН								
15 (BCM01)	Conductivity	μs/cm	Quarterly							
(BCIVIOI)	TDS	mg/L								
	рН	рН	Quarterly							
(BCM03) —	Conductivity	μs/cm								
	TDS	mg/L	1							
	рH	рН				Next sample	in December 2022			
17 (BEC10A)	Conductivity	μs/cm	Quarterly							
(REG10A)	TDS	mg/L								
	рН	рН	Quarterly							
24	Conductivity	μs/cm		v						
(RB05A) —	TDS	mg/L	1							



Surface Water Monitoring

Table 2 - Surface Water Monitoring - Mine Void

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value
	TSS	mg/L							44
12	Conductivity	μs/cm	Every 2	1	21/11/2022	15/12/2022	NA	NIA	961
(Mine Void)	Oil & Grease	mg/L	months	1	21/11/2022	15/12/2022	NA	NA	<5
	рН	рН							8.60

Table 3 - Wet Weather Discharge - Surface Water Monitoring

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value
	Conductivity	μs/cm								
	Nitrate	mg/L	Chocial							
	Nitrogen (total)	mg/L	Special Frequency 1 -							
3	Oil & Grease	mg/L	within 12							
(SD3)	рН	рН	hours of							
(303)	Phosphorous	mg/L	discharge from							
	Reactive Phosphorous	mg/L	EPL 3 or 36.							
		mg/L								
	Conductivity	μs/cm				No dischar	ge at these locati	ons this month		
	Nitrate	mg/L								
	Nitrogen (total)	mg/L	Special							
	Oil & Grease	mg/L	Frequency 1 -							
36	рН	pН	within 12							
(SD12)	Phosphorous	mg/L	hours of							
	Reactive Phosphorous	mg/L	discharge from EPL 3 or 36							
	TSS	mg/L								
	Conductivity	μs/cm								



<u>Table 4 - Clean Water Discharge - Surface Water Monitoring</u>

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value
	Conductivity	μs/cm								130
	Nitrate	mg/L								0.079
	Nitrogen (total)	mg/L								0.9
	Oil & Grease	mg/L								<5
	рН	рН		1	1/11/2022	YES		NA		7.23
	Phosphorous	mg/L	Special							0.2
38	Reactive Phosphorous	mg/L	Frequency 3 - within 12							0.072
(Flow Meter	TSS	mg/L	hours of							14
Upstream)	Conductivity	μs/cm	discharge						150	
	Nitrate	mg/L	from any discharge							0.04
	Nitrogen (total)	mg/L	location.							0.9
	Oil & Grease	mg/L								<5
	рН	рН	-	1	14/11/2022	YES		NA		7.26
	Phosphorous	mg/L								0.1
	Reactive Phosphorous	mg/L								0.067
	TSS	mg/L								89
	Conductivity	μs/cm								140
	Nitrate	mg/L								0.077
	Nitrogen (total)	mg/L	Coordal							1
	Oil & Grease	mg/L	Special Frequency 3 -							<5
39	рН	рН	within 12	1	1/11/2022	YES		NA		7.32
39 (Flow Meter	Phosphorous	mg/L	hours of							0.2
downstream)	Reactive Phosphorous	mg/L	discharge from any discharge location.							0.071
	TSS	mg/L								10
	Conductivity	μs/cm					NA			130
	Nitrate	mg/L		1	14/11/2022	2 YES			0.077	
	Nitrogen (total)	mg/L							1.0	



	Oil & Grease	mg/L						<5
	рН	рН						7.28
	Phosphorous	mg/L	<u></u>					0.02
	Reactive Phosphorous	mg/L						0.092
	TSS	mg/L						89
	TSS	mg/L	Special Frequency 2					
	Conductivity	μs/cm	– prior todischargingfrom EPL 45					
40	Oil & Grease	mg/L	and/or 46 or within					
(HWD8)	рН	рН	12hours of discharge occurred from this monitoring location during November 2022 caused by 38.4mm in a 5 Day consecutive period					
	TSS	mg/L						142
	Conductivity	μs/cm	Special Frequency 2	1	1/11/2022	YES	NA	170
	Oil & Grease	mg/L	– prior todischargingfrom EPL 45	1	1/11/2022	YES	NA NA	<5
41	рН	рН	and/or 46 or within					7.06
(HWD9)	TSS	mg/L	12hours of discharge					169
	Conductivity	μs/cm	caused by 38.4mm in a 5 Day	1	14/11/2022	YES	NA	180
	Oil & Grease	mg/L	consecutive period	1	14/11/2022	163	INA	<5
	рН	рН						7.09
42 (HWD10)	TSS	mg/L	Special Frequency 2	1	14/11/2022	YES	NA	62



	Conductivity	μs/cm	prior to discharging					100
	Oil & Grease	mg/L	from EPL 45 and/or 46 or					<5
	рН	рН	within 12hours of discharge caused by 38.4mm in a 5 Day consecutive period					6.90
	TSS	mg/L						118
	Conductivity	μs/cm	Special Frequency 2 – prior to	1	1/11/2022	Yes	NA	113
	Oil & Grease	mg/L	discharging from EPL 45	1	1/11/2022	res	NA NA	<5
43	рН	рН	and/or 46 or within		6.95			
(HWD11)	TSS	mg/L	12hours of discharge					109
	Conductivity	μs/cm	caused by 38.4mm in a	1	14/11/2022	VEC	N/A	160
	Oil & Grease	mg/L	5 Day consecutive period	1	14/11/2022	YES	NA	<5
	рН	рН						6.92
	TSS	mg/L	Special Frequency 2					132
	Conductivity	μs/cm	– prior to discharging	prior to charging	1/11/2022	VEC	NA	660
44 (WCWD)	Oil & Grease	mg/L	from EPL 45 and/or 46 or within 12hours of discharge	INA	<5			
	рН	рН						8.32
	TSS	mg/L	caused by 38.4mm in a	1	14/11/2022	YES	NA	80



	Conductivity	μs/cm	5 Day consecutive					180
	Oil & Grease	mg/L	period					<5
	рН	рН						8.11
	Oil & Grease	mg/L						<5
	рН	рН	not more	1	1/11/2022	YES	NA	7.17
45	TSS	mg/L	than 12 hours after					157
(ECWDP)	Oil & Grease	mg/L	discharge commences					<5
	рН	рН	commences	1	14/11/2022		NA	7.30
	TSS	mg/L						51
	Oil & Grease	mg/L						<5
	рН	рН	not more	1	1/11/2022	YES	NA	8.09
46	TSS	mg/L	not more than 12					144
(WCWDP)	Oil & Grease	mg/L	hours after discharge commences 1 14/				<5	
	рН	mg/L		1	14/11/2022	YES	NA	7.29
	TSS	рН						80



Noise Monitoring

Table 6 - Noise Monitoring (Attended - Measured)

MCC ID	Date	Start Time	Wind Speed (m/s)	MCCP LAeq _{15min} dB	Limit L _{Aeq} _{15min} (dB) Operations Criteria	MCCP LAeq _{1min} dB	Limit L _{A1 (1 min)} (dB) Operations Criteria	Weather Rain (mm)	Exceedance (Yes / No)
NM1	10/11/2022	22:30	0.9	27	35	30	45	0.0	No
NM2	10/11/2022	23:30	0.8	<20	39	25	45	0.0	No
NM3	10/11/2022	23:51	0.5	<25	35	<25	45	0.0	No
NM4	10/11/2022	23:00	0.3	<20	35	<20	45	0.0	No
NM5	10/11/2022	22:00	0.5	IA	35	IA	45	0.0	No
NM6	10/11/2022	23:56	0.6	IA	35	IA	45	0.0	No

MCC ID = Locations as per the EPL No.20221.

ND = No data due to high prevailing winds during the attended noise monitoring event.

Italicised text indicates wind speed exceeds the 3.0m/s maximum for noise monitoring.

NM = Not Measurable. If site noise is noted as NM, <20 dB or <30 dB, this means some noise was audible but could not be quantified.

IA = Site noise was inaudible at the monitoring location.

N/A in exceedance column means criterion was not applicable due to atmospheric conditions outside those specified in the project approval.

Table 7 - Noise Monitoring (Attended - Low Frequency Assessment)

None of the measurements satisfied the conditions for further assessment when assessed for the applicability of low frequency modification factors in accordance with the EPA's Noise Policy for Industry. Therefore, no further assessment of low frequency noise was required to be undertaken.



Blast Monitoring

Table 8 - Blast Monitoring (Blasts - Limits Apply)

Location	Parameter	Units	Frequency	Number	Average	Max	100% Limit	Exceedance (Yes / No)
Operations	Overpressure	Db (Lin Peak)	All	7	91.8	102.7	120	No
Blasts	Vibration	mm/s	All	7	0.11	0.25	10	No

Note: As of March 2018, in accordance with the requirements of the approved variation of EPL 20221; M7.1 blast monitoring results are for four blast monitoring points 31 (BM1), 32 (BM2), 33 (BM3) and 34 (BM4).



Air Quality Monitoring

Table 9 – PM_{10} (Limits Apply)

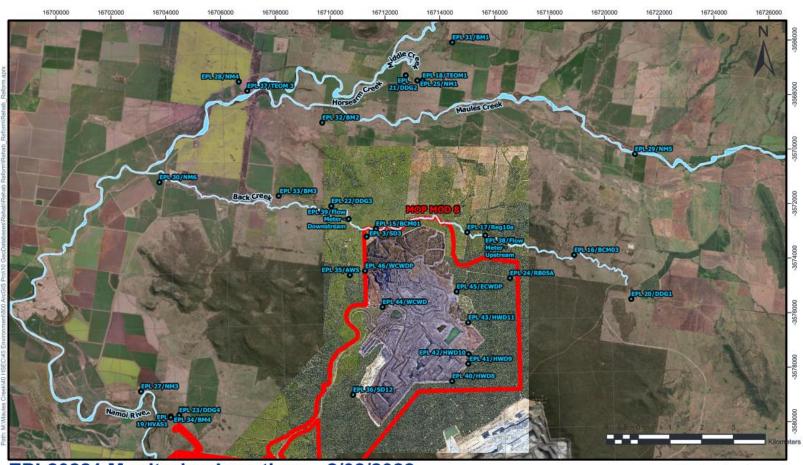
ID EPL (Site)	Sample period	Unit	Parameter	Rolling Annual Average	NEPM Annual Criteria	Exceedance (Yes / No)
18 (TEOM1)	Continuous	μg/m³ month	PM ₁₀	5.1	30	No
37 (TEOM3)	Continuous	μg/m³ month	PM ₁₀	12.1	30	No
19 (HVAS)	5 days	μg/m³	PM ₁₀	8.0	30	No

Table 10 – Depositional Dust (Limits Apply)

ID EPL (Site)	Sample period	Particulates Deposited Matter	Rolling Annual Average Insoluble Solids	Criteria	Exceedance (Yes / No)
20 (DDG1/MC1)	Monthly	g/m² month	0.8	4	No
21 (DDG2/MC2)	Monthly	g/m² month	0.9	4	No
22 (DDG3/MC3)	Monthly	g/m² month	2.1	4	No
23 (DDG4/MC4)	Monthly	g/m² month	1.2	4	No



Figure 1 – EPL 20221 Monitoring Locations



EPL20221 Monitoring Locations - 2/08/2022

Legend

EPL Monitoring locations

05 Project Boundary_Boundaries

MCCM Project Boundary (Mod 8)

Maules Creek Coal

Scale: 1:88,442 Author: shenanewman Date Exported: 16/09/2022 11:51 AM

Spatial Reference Name: GDA2020 MGA Zone 56



Disclaimer, Map for reference only and subject to survey. MCC makes no guarantee of the accuracy of this map and data within. MCC shall have no liability for any decisions made or actions taken based upon this map.



MAULES CREEK COAL MINE - MONTHLY MONITORING SUMMARY

Site Information

EPL No: 20221

EPA Website Link: <u>Hyperlink to Maules Creek Coal, Environment Protection Licence</u>

Licensee: Maules Creek Coal Mine Pty Ltd

Licensee Address: Maules Creek Coal Mine, Therribri Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: December 2022 Obtained Date: 15th January 2023 Publication Date: 20th January 2023

Context: This Monthly Monitoring Summary aligns with the Environment Protection Licence (EPL) No. 20221 – Maules Creek Coal Mine issued 2nd August 2022 by the NSW Environment Protection Authority (EPA).



Monthly Monitoring Summary

Ground Water Monitoring

Table 1 - Groundwater Quality Monitoring

ID EPL (Bore)	Parameters	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value		
	рН	рН									
15 (BCM01)	Conductivity	μs/cm	Quarterly	0	5/12/2022		Dr	Ŷ			
(BCIVIOI)	TDS	mg/L									
	рН	рН									
16 (BCM03)	Conductivity	μs/cm	Quarterly	0	6/12/2022		Dr	Ŷ			
(BCIVIUS)	TDS	mg/L									
	рH	рН									
17 (BEC10A)	Conductivity	μs/cm	Quarterly	0	5/12/2022		Dr	ý			
(REG10A)	TDS	mg/L									
	рН	рН							7.46		
24 (RB05A)	Conductivity	μs/cm	Quarterly	1	2/12/2022	YES	N/A	N/A	1800		
	TDS	mg/L	1	1	, ,			,	1060		



Surface Water Monitoring

Table 2 - Surface Water Monitoring - Mine Void

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min	Mean	Max / Only Value
	TSS	mg/L							<5
12	Conductivity	μs/cm	Every 2	4	0/12/2022	15/01/2022	NIA	N/A	1000
(Mine Void)	Oil & Grease	mg/L	months	1	9/12/2022	15/01/2022	NA	NA	<5
	рН	рН							8.48

Table 3 - Wet Weather Discharge - Surface Water Monitoring

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value
	Conductivity	μs/cm								
	Nitrate	mg/L	Special							
	Nitrogen (total)	mg/L	Frequency 1 -							
3	Oil & Grease	mg/L	within 12							
(SD3)	pH	pH	hours of							
, ,	Phosphorous	mg/L	discharge from							
	Reactive	mg/L	EPL 3 or 36.							
	Phosphorous									
	TSS	mg/L								
	Conductivity	μs/cm				No discha	rge at these locati	ons this month		
	Nitrate	mg/L								
	Nitrogen (total)	mg/L	Special							
	Oil & Grease	mg/L	Frequency 1 -							
36	рН	рН	within 12							
(SD12)	Phosphorous	mg/L	hours of							
	Reactive	mg/L	discharge from							
	Phosphorous		EPL 3 or 36							
	TSS	mg/L								
	Conductivity	μs/cm								



Table 4 - Clean Water Discharge - Surface Water Monitoring

ID EPL (Site)	Parameter	Units	Frequency	Samples	Date	Laboratory Results Received	Min Value	Mean Value	Median Value	Max / Only Value
	Conductivity	μs/cm			•					•
	Nitrate	mg/L								
	Nitrogen (total)	mg/L								
	Oil & Grease	mg/L								
	рН	рН								
	Phosphorous	mg/L	Special							
38	Reactive Phosphorous	mg/L	Frequency 3 - within 12							
(Flow Meter	TSS	mg/L	hours of							
Upstream)	Conductivity	μs/cm	discharge							
	Nitrate	mg/L	from any							
	Nitrogen (total)	mg/L	discharge							
	Oil & Grease	mg/L	location.							
	рН	pH								
_	Phosphorous	mg/L								
	Reactive Phosphorous	mg/L								
	TSS	mg/L			No discha	arge occurred from t	this monitoring lo	cation during Dece	ember 2022	
	Conductivity	μs/cm								
	Nitrate	mg/L								
	Nitrogen (total)	mg/L								
	Oil & Grease	mg/L								
	рН	рН	Special							
	Phosphorous	mg/L	Frequency 3 -							
39	Reactive Phosphorous	mg/L	within 12 hours of							
(Flow Meter	TSS	mg/L	discharge							
downstream)	Conductivity	μs/cm	from any							
	Nitrate	mg/L	discharge							
	Nitrogen (total)	mg/L	location.							
	Oil & Grease	mg/L	_							
	рН	pH								
	Phosphorous	mg/L								
	Reactive Phosphorous	mg/L								

	TSS	mg/L			
	TSS	mg/L	Special Frequency 2		
	Conductivity	μs/cm	prior todischargingfrom EPL 45		
40	Oil & Grease	mg/L	and/or 46 or within		
(HWD8)	рН	рН	12hours of discharge caused by 38.4mm in a 5 Day consecutive period		
	TSS	mg/L			
	Conductivity	μs/cm	Special Frequency 2 – prior to		
	Oil & Grease	mg/L	discharging from EPL 45		
41	рН	рН	and/or 46 or within		
(HWD9)	TSS	mg/L	12hours of discharge		
	Conductivity	μs/cm	caused by 38.4mm in a 5 Day		
	Oil & Grease	mg/L	consecutive period		
	рН	рН			
	TSS	mg/L	Special Frequency 2		
42 (HWD10)	Conductivity	μs/cm	prior todischarging		
	Oil & Grease	mg/L	from EPL 45 and/or 46 or		



	рН	рН	within 12hours of discharge caused by 38.4mm in a 5 Day consecutive period
	TSS	mg/L	
	Conductivity	μs/cm	Special Frequency 2
	Oil & Grease	mg/L	prior todischargingfrom EPL 45
43	рН	рН	and/or 46 or within
(HWD11)	TSS	mg/L	12hours of discharge
	Conductivity	μs/cm	caused by 38.4mm in a
	Oil & Grease	mg/L	5 Day consecutive period
	рН	рН	,
	TSS	mg/L	Special
	Conductivity	μs/cm	Frequency 2 — prior to discharging
44 (WCWD)	Oil & Grease	mg/L	from EPL 45 and/or 46 or
	рН	рН	within 12hours of
	TSS	mg/L	discharge caused by 38.4mm in a
	Conductivity	μs/cm	5 Day



	Oil & Grease	mg/L	consecutive period
	рН	рН	
	Oil & Grease	mg/L	
	рН	рН	not more
45	TSS	mg/L	than 12 hours after
(ECWDP)	Oil & Grease	mg/L	discharge commences
	рН	рН	commences
	TSS	mg/L	
	Oil & Grease	mg/L	
	рН	рН	not more
46	TSS	mg/L	not more than 12 hours after
(WCWDP)	Oil & Grease	mg/L	discharge
	рН	mg/L	commences
	TSS	рН	



Noise Monitoring

Table 6 - Noise Monitoring (Attended - Measured)

MCC ID	Date	Start Time	Wind Speed (m/s)	MCCP LAeq _{15min} dB	Limit L _{Aeq} _{15min} (dB) Operations Criteria	MCCP LAeq _{1min} dB	Limit L _{A1 (1 min)} (dB) Operations Criteria	Weather Rain (mm)	Exceedance (Yes / No)
NM1	20/12/2022	22:30	3.3	<20	35	27	45	0.0	NA
NM2	20/12/2022	23:30	2.8	29	39	32	45	0.0	No
NM3	20/12/2022	23:51	3.0	IA	35	IA	45	0.0	No
NM4	20/12/2022	23:00	3.5	26	35	30	45	0.0	NA
NM5	20/12/2022	22:00	4.2	IA	35	IA	45	0.0	NA
NM6	21/12/2022	0:00	3.4	<20	35	23	45	0.0	NA

MCC ID = Locations as per the EPL No.20221.

ND = No data due to high prevailing winds during the attended noise monitoring event.

Italicised text indicates wind speed exceeds the 3.0m/s maximum for noise monitoring.

NM = Not Measurable. If site noise is noted as NM, <20 dB or <30 dB, this means some noise was audible but could not be quantified.

IA = Site noise was inaudible at the monitoring location.

N/A in exceedance column means criterion was not applicable due to atmospheric conditions outside those specified in the project approval.

Table 7 - Noise Monitoring (Attended - Low Frequency Assessment)

None of the measurements satisfied the conditions for further assessment when assessed for the applicability of low frequency modification factors in accordance with the EPA's Noise Policy for Industry. Therefore, no further assessment of low frequency noise was required to be undertaken.



Blast Monitoring

Table 8 – Blast Monitoring (Blasts – Limits Apply)

Location	Parameter	Units	Frequency	Number	Average	Max	100% Limit	Exceedance (Yes / No)
Operations	Overpressure	Db (Lin Peak)		10	93.1	105.3	120	No
Blasts	Vibration	mm/s	All	10	0.11	0.33	10	No

Note: As of March 2018, in accordance with the requirements of the approved variation of EPL 20221; M7.1 blast monitoring results are for four blast monitoring points 31 (BM1), 32 (BM2), 33 (BM3) and 34 (BM4).



Air Quality Monitoring

Table 9 – PM_{10} (Limits Apply)

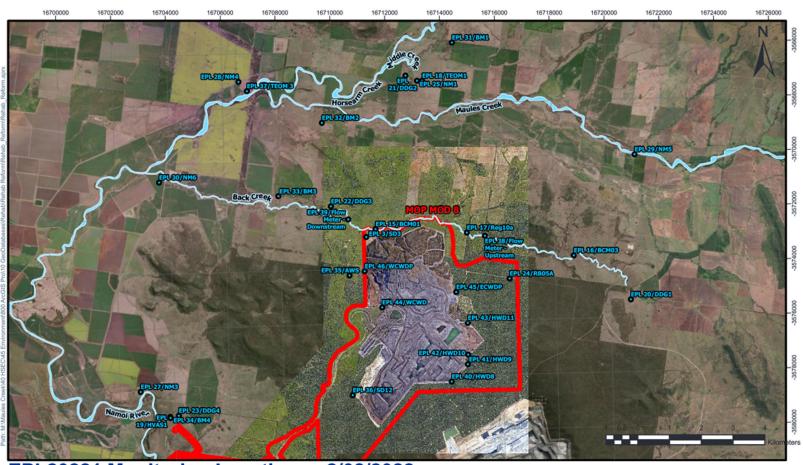
ID EPL (Site)	Sample period	Unit	Parameter	Rolling Annual Average	NEPM Annual Criteria	Exceedance (Yes / No)
18 (TEOM1)	Continuous	μg/m³ month	PM ₁₀	5.1	30	No
37 (TEOM3)	Continuous	μg/m³ month	PM ₁₀	12.5	30	No
19 (HVAS)	5 days	μg/m³	PM ₁₀	8.0	30	No

Table 10 – Depositional Dust (Limits Apply)

ID EPL (Site)	Sample period	Particulates Deposited Matter	Rolling Annual Average Insoluble Solids	Criteria	Exceedance (Yes / No)
20 (DDG1/MC1)	Monthly	g/m² month	0.9	4	No
21 (DDG2/MC2)	Monthly	g/m² month	0.5	4	No
22 (DDG3/MC3)	Monthly	g/m² month	2.1	4	No
23 (DDG4/MC4)	Monthly	g/m² month	1.2	4	No



Figure 1 – EPL 20221 Monitoring Locations



EPL20221 Monitoring Locations - 2/08/2022

Legend

EPL Monitoring locations

05 Project Boundary_Boundaries

MCCM Project Boundary (Mod 8)

Maules Creek Coal

Scale: 1:88,442 Author: shenanewman Date Exported: 16/09/2022 11:51 AM

Spatial Reference Name: GDA2020 MGA Zone 56



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Corrections Log

EPL Report	Original Publishing	Date of	Corrections
	Date	Republishing	
EPL 20221 March 2022	21/04/2022	09/07/2024	Inclusion of Data for EPL Monitoring Point 37 (TEOM3)
EPL 20221 April 2022	16/05/2022	09/07/2024	Inclusion of Data for EPL Monitoring Point 37 (TEOM3)
EPL 20221 May 2022	20/06/2022	09/07/2024	Inclusion of Data for EPL Monitoring Point 37 (TEOM3)
EPL 20221 June 2022	19/07/2022	09/07/2024	Inclusion of Data for EPL Monitoring Point 37 (TEOM3)