

WAMBO COAL
POLLUTION MONITORING DATA
1 MAY 2025 – 31 MAY 2025

MAY MONTHLY REPORT

Published 06 June 2025

Environment Protection Licence Number: 529
Licensee: Wambo Coal Pty Limited, PMB 1, Singleton NSW 2330
Premises: Wambo Coal Pty Limited, Jerrys Plains Road, Warkworth NSW 2330

The following pollution monitoring data is published as a requirement of the Wambo Environmental Protection Licence (EPL) 529. A link to EPL529 can be found on the Environmental Protection Authority (EPA) Public Register. A link to the EPA's public register can be found at: <https://www.epa.nsw.gov.au/licensing-and-regulation/public-registers/about-prpoeo>

Monthly interim reports will be provided on a fortnightly basis until a final monthly report is produced when all monthly data is available.

The location of each sampling point is provided in 'Plan 2672-2' at the end of this document.

Monitoring Data

Surface and Mine Water Dam Monitoring

Monitoring Frequency: Once per month

Sampling Method: Grab sample

Limits: Nil

Table 1 - WCPL Surface and Mine Water Dam Results

EPL ID	Site ID	Date	pH	EC (µS/cm)	TSS (mg/L)	Comments
Point 24	SW01	20/05/2025	7.01	319	<5	-
Point 25	SW02	20/05/2025	7.15	386	<5	-
Point 26	SW03	20/05/2025	7.08	369	<5	-
Point 27	SW04	20/05/2025	-	-	-	Dry.
Point 28	SW05	20/05/2025	-	-	-	Pool, No Flow
Point 29	SW06	20/05/2025	-	-	-	Dry.
Point 30	SW07	20/05/2025	7.72	646	<5	-
Point 31	SW08	20/05/2025	7.90	1950	<5	-
Point 33	SW15	12/05/2025	8.96	2640	82	-
Point 34	SW27a	20/05/2025	-	-	-	Pool, No Flow
Point 36	SW32a	20/05/2025	-	-	-	Pool, No Flow
Point 39	SW39	20/05/2025	-	-	-	Pool, No Flow
Point 40	SW40	20/05/2025	7.05	366	<5	
Point 41	SW41	20/05/2025	-	-	-	Pool, No Flow
Point 42	SW54	20/05/2025	-	-	-	Dry.

Water Discharge Monitoring

Monitoring Frequency: Continuous during discharge (EC, pH, Turbidity)

Daily during discharge (TSS, Volume)

Sampling Method: In line instrumentation (EC, pH Turbidity)

Grab sample (TSS)

Limits: pH- 6.5 to 9.5

TSS – 120

Volume – 250ML/day

Date sampled: Continuous

Date obtained: Continuous

Table 2 - WCPL Discharge Monitoring

Site	Date	pH (Avg)	Conductivity (µS/cm) Avg	TSS (mg/L)	Turbidity (NTU)	Volume (ML/day)	Comments
Point 4	No Discharge in May						
Point 19	No Discharge in May						

Sewerage Treatment Monitoring

Monitoring Frequency: Quarterly during discharge

Sampling Method: Grab sample

Limits: Nil

Date sampled: No Samples in May

Date obtained: No Samples in May

Table 3- WCPL Discharge Monitoring

EPL ID	Site ID	Date	pH	Faecal Coliforms (CFU/100mL)	Comments
Point 43	STPD3	-	-	-	No discharge
Point 52	STPD2				Sample required Quarterly
Point 56	STP1	-	-	-	Sample required Quarterly

PM10 Monitoring
Monitoring Frequency: Continuous
Sampling Method: AM22
Limits: Nil

Date sampled: Continuous
Date obtained: Continuous

Table 4 - WCPL PM10 Results

Date	PM02 (D2)- Wambo Road (Caban) (EPA14)		PM03 (D4) - Thelander (EPA15)		PM04 (D1) - Muller (EPA16)		PM05 (D5) - Kelly (EPA 53)	
	PM10 24 Hour Result (ug/m ³)	Annual Average	PM10 24 Hour Result (ug/m ³)	Annual Average	PM10 24 Hour Result (ug/m ³)	Annual Average	PM10 24 Hour Result (ug/m ³)	Annual Average
1/05/2025	7.1	13.82	5.2	10.30	12.0	18.40	NaN	20.51
2/05/2025	5.9	13.82	4.1	10.30	10.7	18.41	2.5	20.50
3/05/2025	6.7	13.82	8.7	10.31	15.7	18.42	9.9	20.51
4/05/2025	10.7	13.84	10.1	10.32	16.6	18.43	10.4	20.50
5/05/2025	13.8	13.86	9.2	10.32	16.2	18.44	8.3	20.49
6/05/2025	9.0	13.87	6.2	10.33	10.4	18.45	3.9	20.48
7/05/2025	10.7	13.88	5.4	10.33	11.7	18.46	16.0	20.51
8/05/2025	8.9	13.88	9.3	10.34	15.1	18.46	9.2	20.49
9/05/2025	6.3	13.87	9.6	10.34	13.7	18.46	11.7	20.48
10/05/2025	5.1	13.87	9.4	10.34	15.4	18.46	11.1	20.47
11/05/2025	5.8	13.86	5.6	10.35	12.1	18.45	11.0	20.46
12/05/2025	7.2	13.87	5.8	10.35	16.9	18.48	5.7	20.46
13/05/2025	7.9	13.88	7.1	10.36	21.8	18.52	8.6	20.46
14/05/2025	13.5	13.89	10.4	10.38	21.8	18.54	18.1	20.47
15/05/2025	8.4	13.89	9.3	10.38	15.8	18.55	12.4	20.46
16/05/2025	4.6	13.85	3.7	10.36	9.2	18.52	6.5	20.42
17/05/2025	8.8	13.83	7.6	10.34	13.1	18.49	12.2	20.41
18/05/2025	6.4	13.82	4.5	10.32	11.8	18.49	7.3	20.39
19/05/2025	5.5	13.81	2.3	10.31	6.9	18.48	1.9	20.37
20/05/2025	7.8	13.82	5.3	10.32	11.3	18.49	4.1	20.35
21/05/2025	5.3	13.81	4.4	10.32	8.1	18.48	6.9	20.32
22/05/2025	5.8	13.80	1.2	10.30	8.0	18.47	2.2	20.31
23/05/2025	3.6	13.78	5.1	10.31	4.2	18.45	NaN	20.33
24/05/2025	12.1	13.79	NaN	10.32	9.3	18.44	12.2	20.31
25/05/2025	9.6	13.78	NaN	10.33	11.5	18.44	10.7	20.30
26/05/2025	13.1	13.76	NaN	10.32	13.8	18.43	14.0	20.28
27/05/2025	41.0	13.85	41.2	10.41	49.7	18.53	44.4	20.35
28/05/2025	6.8	13.83	4.1	10.39	5.7	18.51	7.4	20.30
29/05/2025	9.1	13.81	4.7	10.37	6.0	18.50	12.0	20.28
30/05/2025	9.6	13.80	9.2	10.37	13.3	18.51	12.7	20.24
31/05/2025	11.0	13.79	10.7	10.37	16.8	18.51	14.9	20.23

*NaN >75% of data collected during period

Meteorological Monitoring

Monitoring Frequency: Continuous

Sampling Method: Site Meteorological Station EPA17

Limits: Nil

Date sampled: continuous

Date obtained: continuous

Table 5 - WCPL Meteorology

Date	Temperature (2m)			Temperature (10m)			Humidity			Solar Radiation		RAIN	Wind Speed at 10m			Wind Direction at 10m	Sigma Theta		
	Average	Min	Max	Average	Min	Max	Average	Min	Max	Average	Max	Sum (mm)	Average	Min	Max	Average	Average	Max	Min
1/05/2025	16.8	13.7	19.8	16.7	13.7	19.3	60.9	48.8	76.3	171.7	718.1	0.2	2.7	1.5	4.3	161.3	19.9	28.9	10.7
2/05/2025	15.7	13.0	20.4	15.7	13.6	19.8	77.8	53.7	99.9	120.8	595.4	0.4	2.0	0.4	3.9	161.1	17.5	30.6	5.9
3/05/2025	15.8	9.8	21.4	16.0	10.4	21.0	83.2	52.7	99.9	107.5	664.6	0.2	1.3	0.1	3.1	156.9	23.5	77.7	7.1
4/05/2025	15.0	7.6	21.8	15.2	7.9	21.0	85.4	57.9	99.9	103.6	711.4	0.0	0.8	0.1	2.5	158.1	27.1	80.4	6.4
5/05/2025	17.1	11.8	23.8	17.3	12.9	23.2	87.3	55.9	99.9	130.8	672.9	0.0	0.7	0.0	2.0	162.2	28.0	95.2	7.0
6/05/2025	16.4	10.1	26.4	16.6	10.5	25.7	85.0	40.0	99.9	118.2	541.3	0.0	0.8	0.1	2.5	211.2	29.1	91.5	5.3
7/05/2025	17.2	8.2	26.4	17.7	8.6	26.1	72.0	36.6	99.9	140.3	558.3	0.0	1.6	0.0	4.0	229.2	29.7	94.6	5.3
8/05/2025	16.2	10.2	22.8	16.5	11.2	22.2	79.1	39.1	99.9	140.4	559.7	1.4	1.4	0.0	4.7	168.2	31.1	92.8	1.2
9/05/2025	14.4	10.0	19.7	14.8	10.9	19.1	83.6	57.9	99.9	99.5	589.6	0.4	1.4	0.1	4.5	169.4	18.7	57.0	4.2
10/05/2025	14.7	9.7	19.0	15.0	11.1	18.4	91.0	68.5	99.9	94.6	547.0	0.0	1.5	0.1	3.8	168.2	21.7	75.0	8.5
11/05/2025	16.0	10.7	20.3	16.2	11.9	19.8	93.6	70.0	99.9	84.8	520.1	2.8	1.6	0.1	5.0	165.6	21.2	78.2	7.0
12/05/2025	18.2	15.8	22.0	18.1	15.9	21.5	89.0	64.4	100.0	85.2	603.2	0.2	1.3	0.1	4.3	129.7	20.3	91.7	6.5
13/05/2025	17.3	13.6	22.4	17.4	14.0	21.7	90.5	62.0	99.9	87.1	476.4	0.0	1.1	0.0	3.3	135.6	24.4	70.8	5.1
14/05/2025	17.4	14.0	23.9	17.5	14.2	23.2	89.6	57.2	99.9	94.8	475.3	0.2	0.7	0.1	1.8	184.6	31.6	94.3	6.8
15/05/2025	17.0	14.9	18.8	17.1	15.4	18.7	92.0	80.7	99.9	38.4	158.9	0.6	1.6	0.1	3.7	168.4	17.0	81.2	6.4
16/05/2025	17.3	15.0	20.8	17.3	15.2	20.4	92.0	67.5	99.9	65.8	558.0	1.6	0.9	0.1	2.5	187.9	26.9	94.2	7.1
17/05/2025	16.1	12.9	22.7	16.2	12.9	22.3	91.1	54.1	99.9	94.0	497.0	3.4	0.9	0.1	2.3	240.8	28.4	94.0	2.4
18/05/2025	14.9	13.0	16.6	14.9	13.0	16.2	80.1	60.8	99.9	56.1	388.9	1.8	2.1	0.1	4.3	156.9	19.7	68.4	9.4
19/05/2025	13.0	11.7	14.2	12.9	11.1	14.2	90.9	77.8	99.9	17.7	134.6	29.6	3.0	0.7	5.9	163.4	19.1	79.8	11.7
20/05/2025	15.0	12.8	17.0	15.1	12.7	16.9	87.1	72.8	99.9	47.2	421.4	8.8	3.0	1.1	4.8	160.8	16.8	41.9	10.8
21/05/2025	16.0	14.9	17.9	16.0	14.9	17.9	99.6	91.7	100.0	24.6	125.2	30.8	1.7	0.8	2.6	154.5	17.2	34.7	9.8
22/05/2025	17.1	16.0	18.9	17.1	16.1	18.9	99.9	99.9	99.9	34.1	233.8	17.0	1.5	0.2	3.3	158.5	17.5	40.0	7.2
23/05/2025	17.6	13.5	20.9	17.7	13.8	20.7	83.1	63.4	99.9	83.6	320.8	0.6	1.8	0.0	3.4	279.5	24.6	79.5	8.2
24/05/2025	14.6	8.0	20.7	14.9	8.4	20.3	66.1	44.4	99.9	128.4	499.8	0.0	2.4	0.1	4.8	276.1	26.6	95.4	9.3
25/05/2025	12.2	6.4	19.3	12.5	7.0	19.0	80.1	41.9	99.9	90.9	489.4	0.0	1.1	0.1	4.1	224.5	27.9	90.8	7.0
26/05/2025	11.5	7.5	15.0	11.5	7.8	14.9	95.4	72.8	99.9	34.1	273.1	11.8	0.7	0.1	2.4	180.8	33.4	98.2	7.1
27/05/2025	14.4	10.8	18.3	14.5	10.9	18.1	75.2	39.3	99.9	86.5	476.9	18.8	2.8	0.1	7.5	257.0	29.0	96.1	13.0
28/05/2025	13.2	7.8	19.1	13.3	8.4	18.7	67.6	47.2	99.9	127.5	490.5	0.2	2.7	0.1	4.5	275.7	28.8	90.4	12.3
29/05/2025	11.7	6.7	16.7	12.0	7.5	16.4	88.0	64.8	100.0	57.7	355.8	0.0	0.7	0.0	2.4	197.6	38.9	100.0	7.6
30/05/2025	13.8	8.0	20.0	14.0	8.5	19.6	83.9	51.4	100.0	101.9	485.1	0.0	1.0	0.0	2.8	170.8	28.7	87.3	6.2
31/05/2025	13.0	7.8	20.0	13.5	8.7	19.4	85.9	53.9	100.0	124.6	588.1	0.0	0.8	0.0	2.6	185.6	29.1	93.3	7.8
Total	15.4	6.4	36.4	15.5	7.0	26.1	84.9	36.6	100.0	89.3	718.1	130.8	1.5	0.0	7.5	187.3	25.0	100.0	1.2

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