

WAMBO COAL
POLLUTION MONITORING DATA
1 JANUARY 2025 – 31 JANUARY 2025
JANUARY MONTHLY REPORT

Published 07 February 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	13/01/2025	7.94	830	5	
Point 25	SW02	13/01/2025	7.53	796	5	
Point 26	SW03	13/01/2025	7.52	1750	16	
Point 27	SW04	13/01/2025	-	-	-	DRY
Point 28	SW05	13/01/2025	-	-	-	DRY
Point 29	SW06	13/01/2025	-	-	-	DRY
Point 30	SW07	13/01/2025	7.50	752	5	
Point 31	SW08	13/01/2025	-	-	-	DRY
Point 33	SW15	13/01/2025	9.07	5870	130	
Point 34	SW27a	13/01/2025	-	-	-	No Flow
Point 36	SW32a	13/01/2025	-	-	-	No Flow
Point 39	SW39	13/01/2025	-	-	-	No Flow
Point 40	SW40	13/01/2025	-	-	-	No Flow
Point 41	SW41	13/01/2025	-	-	-	No Flow
Point 42	SW54	13/01/2025	-	-	-	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 January						
Point 19	No Discharge in January						

Sewerage Treatment Monitoring

Monitoring Frequency: Quarterly during discharge
 Sampling Method: Grab sample
 Limits: Nil
 Date sampled: No Samples in January
 Date obtained: No Samples in January

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
1/01/2025	26.5	14.17	21.0	10.90	36.7	18.49	30.5	21.54
2/01/2025	18.9	14.18	16.1	10.89	30.1	18.51	24.9	21.55
3/01/2025	19	14.19	13.5	10.88	28.5	18.52	23.1	21.57
4/01/2025	19.8	14.21	19.3	10.89	37	18.57	22.0	21.56
5/01/2025	25.5	14.24	17.3	10.92	35.3	18.62	34.1	21.61
6/01/2025	24.9	14.27	20.1	10.93	39.9	18.68	39.9	21.67
7/01/2025	8.3	14.25	5.8	10.90	15.1	18.65	12.0	21.65
8/01/2025	5.1	14.23	3.3	10.89	6.1	18.61	3.8	21.60
9/01/2025	6.9	14.21	6.4	10.86	9.9	18.60	7.1	21.57
10/01/2025	10.3	14.19	11.8	10.85	16.4	18.58	13.3	21.56
11/01/2025	10.4	14.18	7.3	10.80	17.7	18.55	9.2	21.54
12/01/2025	12.6	14.17	8.3	10.79	17.8	18.54	19.6	21.55
13/01/2025	14.2	14.14	14.5	10.78	18.6	18.50	15.9	21.53
14/01/2025	20.2	14.17	15.3	10.80	27.8	18.51	21.2	21.56
15/01/2025	12.8	14.17	16.0	10.81	9.9	18.49	23.5	21.58
16/01/2025	NaN	14.16	8.8	10.80	14.3	18.47	11.1	21.53
17/01/2025	8.3	14.15	8.4	10.79	15.9	18.47	11.4	21.51
18/01/2025	5.9	14.15	NaN	10.78	12.5	18.48	10.9	21.48
19/01/2025	13.5	14.14	9.9	10.78	25.9	18.51	18.9	21.47
20/01/2025	21.5	14.15	19.2	10.75	28.6	18.51	23.3	21.46
21/01/2025	29.1	14.19	22.0	10.78	45.9	18.60	26.5	21.46
22/01/2025	21.8	14.18	16.8	10.75	31.4	18.58	51.0	21.50
23/01/2025	25.2	14.21	21.5	10.76	29.6	18.61	20.1	21.50
24/01/2025	24.5	14.23	19.0	10.79	30.2	18.64	18.7	21.51
25/01/2025	20.3	14.23	14.2	10.78	34	18.65	18.2	21.47
26/01/2025	20.8	14.21	18.8	10.79	36.8	18.67	28.2	21.42
27/01/2025	20.4	14.20	14.3	10.77	27.7	18.67	22.6	21.42
28/01/2025	10.4	14.17	10.2	10.75	17.1	18.64	28.2	21.42
29/01/2025	22	14.16	17.9	10.75	30.2	18.64	25.7	21.41
30/01/2025	5.9	14.12	9.7	10.72	14.2	18.59	9.1	21.36
31/01/2025	5.8	14.08	4.8	10.66	8.4	18.54	5.6	21.31

*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
1/01/2025	29.8	20.2	35.2	29.3	20.1	34.5	40.7	17.9	91.6	392.9	952.1	0.0	1.4	0.2	3.2	149.2	40.1	99.5	8.1
2/01/2025	23.1	20.6	25.3	22.9	20.5	24.5	62.7	53.7	69.2	133.9	747.1	0.0	3.1	0.6	5.0	148.6	18.2	31.5	8.4
3/01/2025	22.8	19.6	28.3	22.6	19.5	27.3	63.7	46.7	75.2	115.3	782.4	0.0	2.4	0.7	4.8	126.9	19.6	47.8	11.3
4/01/2025	24.6	15.3	33.9	24.4	16.0	32.7	59.9	27.7	99.9	294.2	927.3	0.0	1.5	0.0	3.9	134.2	30.7	99.2	7.2
5/01/2025	26.7	15.3	37.9	26.7	16.0	37.0	54.8	20.2	99.9	252.1	942.2	0.0	1.5	0.1	4.9	171.5	30.4	93.5	7.9
6/01/2025	29.9	17.0	39.8	29.7	17.9	38.7	42.0	16.6	91.4	279.0	931.5	0.0	1.8	0.1	7.0	192.6	28.5	91.0	7.7
7/01/2025	21.5	18.4	25.6	21.4	18.0	25.5	85.0	58.1	99.9	62.5	371.2	11.6	2.1	0.1	5.6	152.3	21.5	87.4	8.8
8/01/2025	18.7	17.0	22.5	18.5	16.3	21.8	84.9	60.3	99.9	123.4	807.3	14.0	3.4	1.4	5.8	175.2	16.4	25.0	10.3
9/01/2025	20.6	17.1	25.5	20.5	17.1	24.9	80.7	57.6	99.9	143.8	694.3	7.2	2.6	0.7	5.1	172.0	18.3	48.2	12.0
10/01/2025	23.4	18.4	29.0	23.1	18.7	28.1	76.6	47.7	99.9	195.4	823.6	0.2	2.5	0.1	5.9	130.8	20.8	47.0	10.8
11/01/2025	23.4	20.1	28.9	23.3	20.1	27.9	72.7	47.3	93.8	141.1	1131.2	1.8	2.1	0.3	7.1	126.4	21.3	83.1	10.0
12/01/2025	23.5	17.7	32.9	23.4	18.4	32.2	76.7	31.4	99.9	242.6	990.6	27.8	1.4	0.2	13.3	148.7	28.9	96.1	7.2
13/01/2025	25.8	19.3	33.7	25.7	19.3	33.0	70.5	36.8	99.9	278.5	945.7	0.2	1.5	0.1	4.0	181.4	28.0	79.8	8.4
14/01/2025	27.0	20.3	34.7	27.0	20.6	34.1	68.0	33.7	99.9	203.4	974.2	0.0	1.3	0.1	15.5	145.1	30.8	82.5	5.3
15/01/2025	27.8	19.0	40.2	27.7	19.4	39.6	65.7	23.4	99.9	276.0	932.6	8.0	1.7	0.1	10.6	214.3	33.1	93.3	9.8
16/01/2025	20.1	18.6	22.3	20.0	18.5	22.1	85.1	67.5	99.9	62.6	331.7	1.2	2.0	0.0	12.8	172.6	26.0	92.4	10.1
17/01/2025	19.0	17.8	20.0	18.9	18.0	19.8	63.4	54.7	77.4	68.7	239.2	1.0	4.9	0.6	9.9	175.1	17.3	29.8	11.9
18/01/2025	21.1	17.7	26.1	21.0	17.6	25.6	77.5	58.7	99.9	137.2	671.1	5.0	4.7	2.0	8.3	157.9	16.9	23.9	12.2
19/01/2025	20.7	15.7	24.7	20.5	16.8	23.9	64.2	44.6	94.0	194.0	884.0	0.0	2.9	0.4	4.7	148.3	18.8	39.1	8.5
20/01/2025	20.5	13.3	27.3	20.4	14.5	26.6	65.4	38.6	99.9	318.9	985.3	0.0	1.7	0.1	4.5	109.8	30.9	97.8	8.2
21/01/2025	23.2	12.3	33.5	23.3	13.0	32.9	63.8	29.5	99.9	295.6	948.4	0.0	1.3	0.0	4.2	135.6	32.1	99.9	6.8
22/01/2025	26.2	17.4	39.5	26.2	17.7	38.8	61.3	17.4	99.9	189.8	1132.6	0.0	2.5	0.0	6.2	214.4	26.3	97.2	9.2
23/01/2025	22.9	20.2	26.0	22.6	20.1	25.3	64.5	51.7	77.8	140.8	530.4	0.0	2.8	1.2	5.1	113.0	18.7	37.5	11.3
24/01/2025	23.3	17.6	30.1	23.1	18.2	29.1	67.8	39.9	99.9	254.4	1064.2	0.0	2.5	0.1	7.0	141.0	25.9	100.7	9.3
25/01/2025	22.9	15.5	29.9	22.7	16.8	29.0	65.0	40.9	91.2	277.7	1001.9	0.0	1.9	0.1	5.2	129.8	25.8	67.7	8.7
26/01/2025	25.0	16.8	32.4	24.8	17.3	31.5	68.9	38.7	99.9	273.8	919.9	0.0	2.3	0.0	5.7	131.7	23.6	81.9	8.1
27/01/2025	29.4	20.8	38.8	29.2	21.0	38.5	62.6	27.7	99.9	280.7	922.5	2.2	1.6	0.0	4.0	191.5	31.2	96.2	7.9
28/01/2025	30.9	22.2	41.6	30.7	22.1	40.9	58.3	22.0	99.9	253.7	949.6	0.6	2.9	0.1	8.2	249.3	27.0	93.4	11.6
29/01/2025	21.9	19.4	24.5	21.6	19.3	24.0	75.2	61.9	94.5	119.4	646.2	0.8	2.2	0.1	3.7	150.8	20.2	94.1	9.3
30/01/2025	23.0	20.2	27.2	22.8	20.1	26.3	82.6	63.6	99.9	137.6	694.4	0.0	1.9	0.5	3.7	159.2	19.6	39.6	10.1
31/01/2025	22.8	21.1	24.5	22.6	21.0	23.9	81.6	69.1	99.9	78.4	609.0	0.0	2.9	1.2	5.2	170.8	15.6	26.2	8.9
Total	23.9	12.3	41.6	23.7	13.0	40.9	68.4	16.6	99.9	198.7	1132.6	81.6	2.3	0.0	15.5	158.8	24.4	100.7	5.3

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