

WAMBO COAL
POLLUTION MONITORING DATA
1 SEPTEMBER 2025 – 30 SEPTEMBER 2025
SEPTEMBER MONTHLY REPORT

Published 11 October 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	10/09/2025	7.54	383	5	
Point 25	SW02	10/09/2025	7.28	368	<5	
Point 26	SW03	10/09/2025	7.34	385	25	
Point 27	SW04	10/09/2025	-	-	-	No Flow
Point 28	SW05	10/09/2025	6.79	124	163	
Point 29	SW06	10/09/2025	6.93	198	28	
Point 30	SW07	10/09/2025	7.35	236	50	
Point 31	SW08	10/09/2025	7.57	505	20	
Point 33	SW15	10/09/2025	8.82	4520	91	
Point 34	SW27a	10/09/2025	7.61	387	130	
Point 36	SW32a	10/09/2025	7.45	300	125	
Point 39	SW39	10/09/2025	6.85	116	463	
Point 40	SW40	10/09/2025	7.0	177	38	
Point 41	SW41	10/09/2025	-	-	-	No Flow
Point 42	SW54	10/09/2025	-	-	-	No Flow

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 September						
Point 19	No Discharge in September						

Sewerage Treatment Monitoring

Monitoring Frequency: Quarterly during discharge

Sampling Method: Grab sample

Limits: Nil

Date sampled: 30 September 2025

Date obtained: 3 October 2025

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	30 Sept 2025	6.17	~ <2	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
1/09/2025	12.3	13.97	5.4	10.19	13.1	18.37	19.6	18.98
2/09/2025	15.5	13.96	10.0	10.19	18.5	18.39	20.0	18.90
3/09/2025	11.5	13.93	5.2	10.17	10.7	18.37	27.3	18.82
4/09/2025	14.5	13.93	5.3	10.16	10.4	18.33	31.2	18.83
5/09/2025	19.8	13.94	10.4	10.15	21.8	18.34	19.2	18.80
6/09/2025	12.4	13.91	9.7	10.14	21.4	18.34	13.8	18.72
7/09/2025	18.5	13.90	7.8	10.12	15.9	18.33	24.3	18.66
8/09/2025	21.1	13.90	10.7	10.11	18.1	18.31	62.5	18.70
9/09/2025	16.0	13.90	9.3	10.10	14.6	18.30	30.3	18.64
10/09/2025	4.6	13.88	5.8	10.10	6.1	18.30	4.1	18.55
11/09/2025	5.5	13.84	1.5	10.06	5.7	18.25	4.2	18.48
12/09/2025	4.8	13.79	2.1	10.03	6.4	18.21	10.5	18.40
13/09/2025	7.3	13.78	3.7	10.01	9.0	18.18	13.8	18.36
14/09/2025	6.7	13.76	4.4	9.99	8.9	18.15	18.9	18.37
15/09/2025	12.9	13.76	8.3	9.99	17.3	18.17	28.1	18.37
16/09/2025	21.7	13.80	10.4	10.00	17.7	18.17	50.7	18.47
17/09/2025	13.8	13.80	7.3	10.00	12.0	18.16	23.9	18.45
18/09/2025	22.3	13.81	9.9	10.00	18.4	18.17	24.1	18.45
19/09/2025	12.1	13.80	10.3	10.01	11.5	18.16	36.5	18.38
20/09/2025	5.8	13.77	4.5	10.01	7.3	18.15	18.1	18.29
21/09/2025	8.5	13.75	4.9	10.00	9.3	18.13	24.3	18.23
22/09/2025	11.5	13.74	5.2	9.99	10.6	18.12	15.8	18.09
23/09/2025	10.0	13.73	5.1	9.99	12.2	18.12	5.9	17.97
24/09/2025	11.3	13.72	7.8	9.99	12.5	18.11	29.5	17.86
25/09/2025	14.4	13.64	7.7	9.97	14.8	18.06	32.9	17.82
26/09/2025	22.6	13.61	11.4	9.94	19.0	18.02	NaN	17.70
27/09/2025	20.9	13.64	14.2	9.95	23.7	18.04	51.1	17.82
28/09/2025	24.4	13.69	18.7	9.98	29.6	18.09	36.2	17.89
29/09/2025	18.0	13.72	15.0	10.01	28.9	18.14	19.5	17.91
30/09/2025	5.7	13.72	18.8	10.04	24.1	18.16	35.7	17.97

*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
1/09/2025	11.9	2.2	22.2	12	2.5	21.7	69.3	27.1	100	184.4	683.9	0.2	0.8	0.1	4.2	292	25.7	71.7	7.4
2/09/2025	12.4	4	22	12.8	4.5	21.4	73.7	30.7	99.9	184.7	738.9	0	0.4	0	3.1	291	28.9	101.2	5.9
3/09/2025	11.6	3.3	21.3	12.5	4.8	20.8	69.4	28.2	99.9	186.6	668.6	0	1.2	0	4.6	306	30.7	100.4	9.6
4/09/2025	12.7	3.8	23.6	13.3	4.4	23.3	64.3	19.8	99.9	175.1	728.2	0	1.2	0.1	4.7	290	29.9	99.5	5.0
5/09/2025	13.1	4	21.5	13.2	4.6	20.7	68.8	35.5	99.9	184.2	672.4	0	1.3	0.2	6	109	24.8	91.0	9.8
6/09/2025	15.1	8.2	21.6	15.3	9.6	21.1	67.6	42.8	99.9	182.6	786.2	0	0.8	0	4.1	118	24.4	96.4	4.5
7/09/2025	14.9	4.7	25	15.3	5	24.6	71.2	35.2	99.9	180.7	675.1	0	0.9	0	3.1	297	29.6	98.1	7.0
8/09/2025	19.6	10	26.3	19.9	11.2	25.9	58.5	38.9	99.9	166.6	664.3	0	2.9	0.1	7.2	304	28.3	97.4	14.3
9/09/2025	19.6	14.3	23.8	19.7	14.6	23.5	69.5	53.2	99.9	77.9	330.4	20.6	2.1	0.2	5.5	310	25.8	87.6	9.7
10/09/2025	16.4	13.8	19.6	16.4	14	19.1	92.2	48.4	99.9	62.2	485.9	35.6	0.7	0.2	6.3	268	31.5	85.8	10.1
11/09/2025	12.6	10.5	16.3	12.6	10.5	16.1	78.5	57.3	99.9	75.5	340.5	0	2.2	0.1	6.3	301	26.4	89.2	9.4
12/09/2025	12.6	5.5	20.7	12.8	5.8	20.1	78.2	38.1	99.9	203	763.5	0	1	0	3.7	304	29.6	93.5	6.7
13/09/2025	13	5.4	21.9	13.1	6	21.4	74.2	34.2	100	211.7	738.6	0	0.8	0	3.3	298	28.7	93.5	6.8
14/09/2025	14.1	5.2	24.4	14.4	5.7	24	71	26.5	100	213.4	742.1	0	1.1	0.1	4.1	291	26.7	84.6	6.0
15/09/2025	16.2	5	26.6	16.7	5.3	26.2	67.8	29.6	99.9	215.9	743.1	0	1.3	0.3	5.3	290	27.7	76.1	11.1
16/09/2025	18.9	9.5	26.9	19.9	10.6	26.5	62.2	35.6	99.9	148.7	735.3	0	1.8	0	5.2	324	27.3	94.2	7.5
17/09/2025	19.4	11.8	26.7	20	12.7	26.1	59.4	32.6	94.5	190.8	719.2	0.2	1.7	0.1	9.4	296	27.7	92.0	5.1
18/09/2025	14	5.6	22.9	14.5	6.3	22.5	67.2	30.9	99.9	222.2	751	0	0.2	0.1	2.8	288	35.6	94.5	7.4
19/09/2025	16.8	5.5	27.3	17	6	26.8	62.2	23.4	99.9	216.8	741.5	1	1.2	0	5.3	298	26.9	94.0	8.0
20/09/2025	17.5	7.6	23.9	17.6	8.6	23.4	64.1	27.1	99.9	215.5	772.1	0.6	3	0.2	6	294	25.0	86.0	12.1
21/09/2025	14	3.6	22.1	14.2	4.3	21.6	61.7	31.8	99.9	226.7	770.1	0	2.2	0.1	5.6	299	26.7	89.9	11.1
22/09/2025	16	6.6	23.9	16.1	7.8	23.4	59.4	29.9	99.9	213.8	841.6	0	0.6	0.1	5.9	283	30.0	86.2	12.0
23/09/2025	12.9	6.2	19.8	13.2	7.6	19.6	54.1	27.1	99.5	230.2	777.1	0	0.9	0.2	4.2	168	29.4	88.8	8.3
24/09/2025	14.9	4.3	26	15.5	5.5	25.5	56.6	17.9	99.9	223.6	785.5	0	1.6	0.1	5.5	286	29.5	94.0	8.2
25/09/2025	16.9	5.7	26.5	17.2	6.6	26.1	52.9	17.7	99.9	226.9	780.9	0	2.3	0.1	5.2	296	27.0	92.0	11.6
26/09/2025	20.1	10.4	28.4	20.6	12.4	28.1	38.9	17.7	74.9	180.2	679.7	0	2.8	0.2	6.8	303	23.5	73.9	8.8
27/09/2025	17.9	8.4	27.2	18.9	10.4	26.7	52.3	25.4	99.3	124.2	629.7	0	1.1	0.1	3.5	302	31.5	93.0	11.8
28/09/2025	20	10	30.8	20.4	10.7	30.2	62.9	25.2	99.9	191.3	775.6	0	1	0.2	5.2	300	26.1	87.6	6.5
29/09/2025	18.6	13.5	25.3	18.9	14.1	24.9	71.4	39.8	99.9	157.4	901.1	0	0.6	0	3	136	27.3	88.2	6.5
30/09/2025	19.5	11.2	31	20	12	30.7	69.3	19.6	100	199.7	772.7	0	1.2	0.1	4.2	198.5	33.8	93.7	6.5
	15.8	2.2	31.0	16.1	2.5	30.7	65.6	17.7	100	182.4	901.1	58.2	1.4	0	9.4	271.4	28.2	101.2	4.5

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