



EnergyAustralia[®]

EnergyAustralia Yallourn Pty Ltd

Monthly Air Emissions Compliance Report

September, 2022

Monthly Discharge to Air Compliance Executive Summary				
Indicator	Carbon Monoxide	Oxides of Nitrogen (as NO ₂)	Particles (Total)	Sulphur Dioxide
Maximum Licence Limit (g/min)	139,000	51,600	24,100	104,000
Monthly Maximum Reported (g/min)	62,835	30,336	16,368	61,712
90th Percentile Licence Limit (g/min)	85,600	49,100	14,500	73,100
YTD Month End 90th Percentile (g/min)	31,123	25,171	9,876	45,828
Discharge to Air Licence Limit Compliance	100%	100%	100%	100%
Monitoring System Availability (%)	100%	100%	99.89% A2b (100% A1 & A2a)	100%

EPA Licence Site Details	
Licence Holder	EnergyAustralia Yallourn PTY LTD
Licence Number	10961
Premises Address	Eastern Rd, Yallourn VIC 3825
Site Description	This licence applies to a premises, where brown coal is mined and electricity is generated in a brown coal fired power station.
Reporting Period	Sep-22
Licence Discharge Points	A1: Latitude -38.1769981; Longitude 146.345441
	A2a: Latitude -38.1769981; Longitude 146.3454416
	A2b: Latitude -38.1772303; Longitude 146.3447922
Websites	Annual Performance Statement
	Current EPA Licence
	EPA AirWatch
	Latrobe Valley Air Monitoring Network Inc.

Discharge to Air Licence Limits						
Discharge Point	Description of Discharge Point	Indicator	Units ^[1]	90th Percentile Limit ^[2]	Maximum Limit	Frequency ^[3]
A1, A2a, A2b	Bubble Limit for A1, A2a, A2b	Carbon Monoxide	g/min	85,600	139,000	Continuous ^[4]
		Oxides of Nitrogen (as NO ₂)	g/min	49,100	51,600	Continuous ^[4]
		Particles (Total)	g/min	14,500	24,100	Continuous
		Sulfur Dioxide	g/min	73,100	104,000	Continuous ^[4]

[1] g/min =grams per minute 30 minute average

[2] 90th percentile limits are based on a 12-month rolling average

[3] Monitoring Frequency

[4] Continuous monitoring using a CEMs system for discharge points A2a and A2b and an EPA approved predictive model method for discharge point A1.

Monthly Air Emissions Daily Performance				
Indicator	Carbon Monoxide Daily Maximum (g/min)	Oxides of Nitrogen (as NO ₂) Daily Maximum (g/min)	Particles (Total)[5] Daily Maximum (g/min)	Sulfur Dioxide Daily Maximum (g/min)
Maximum Limits	139,000	51,600	24,100	104,000
01-Sep-22	29,364	20,623	16,368	40,952
02-Sep-22	12,764	14,179	9,787	26,687
03-Sep-22	12,696	13,901	6,332	24,075
04-Sep-22	14,139	13,931	6,068	24,534
05-Sep-22	12,824	14,407	6,345	26,294
06-Sep-22	13,424	14,254	6,698	25,917
07-Sep-22	18,525	18,591	10,185	31,248
08-Sep-22	25,381	19,395	9,899	35,856
09-Sep-22	12,478	17,076	9,276	33,152
10-Sep-22	16,458	16,510	15,229	30,961
11-Sep-22	26,405	25,557	13,863	46,313
12-Sep-22	23,863	25,844	14,437	47,528
13-Sep-22	29,183	26,099	14,673	47,255
14-Sep-22	62,835	25,485	14,027	46,743
15-Sep-22	32,248	21,158	8,829	38,825
16-Sep-22	22,593	13,556	7,428	25,061
17-Sep-22	18,343	13,944	6,343	25,011
18-Sep-22	23,340	18,322	9,190	36,473
19-Sep-22	19,228	19,124	8,102	46,754
20-Sep-22	14,047	19,832	8,665	43,612
21-Sep-22	29,277	24,871	14,222	56,731
22-Sep-22	34,600	26,162	13,313	61,712
23-Sep-22	36,047	26,266	14,075	59,160
24-Sep-22	40,061	26,987	14,686	53,165
25-Sep-22	33,044	27,029	14,573	50,368
26-Sep-22	27,062	27,856	14,292	46,331
27-Sep-22	26,797	21,104	11,223	41,148
28-Sep-22	28,253	25,023	12,267	40,658
29-Sep-22	34,132	30,336	12,899	48,362
30-Sep-22	29,780	24,466	11,156	46,487
Air Emissions 90th Percentile Performance [2]				
	Carbon Monoxide (g/min)	Oxides of Nitrogen (as NO₂) (g/min)	Particles (Total)[5] (g/min)	Sulfur Dioxide(g/min)
90th Percentile Licence Limits	85,600	49,100	14,500	73,100
90th Percentile (Month End)	31,123	25,171	9,876	45,828

[5] In accordance with licence condition LI_DA1.10.3 & and LI_DA1.10.4 the discharge limits for particles do not apply during the plant start-up and shut-down or the accidental failure of major operating equipment and has been excluded from this daily total.

Monthly Data Explanation

Licence Limit Exceedances

This table provides a summary and explanation of exceedances of air discharge limits

Date	Indicator Exceeded	Location (A1, A2a, A2b)	Explanation
N/A	N/A	N/A	No exceedances for the month

Monitoring Systems Availability

This table provides a summary of missing data periods requiring substitutions used for determination of daily compliance status

Date/Time	Loss of Availability (% of month)	Indicator	Location (A1, A2a, A2b)	Explanation
01/09/2022 10:30:00 AM - 01/09/2022 11:30:00 AM	0.03%	Particles	A2b	Routine maintenance on W4 opacity monitors undertaken. Opacity monitors were offline for a total of 30 minutes, 15 minutes per instrument.
21/09/2022 01:40:00 PM - 21/09/2022 02:50:00 PM	0.08%	Particles	A2b	Opacity monitor was replaced and calibrated to facilitate correlation tests for the W4 opacity monitors.

Yallourn Power Station - Licenced Discharge to Air Points

