



EnergyAustralia[®]

EnergyAustralia Yallourn Pty Ltd

Monthly Air Emissions Compliance Report

December, 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)	56,143	28,659	15,718	46,276
90th Percentile Licence Limit (g/min)	85,600	49,100	14,500	73,100
YTD Month End 90th Percentile (g/min)	32,760	25,024	10,290	45,712
Discharge to Air Licence Limit Compliance	100%	100%	100%*	100%
Monitoring System Availability (%)	100%	100%	100%	100%

* Compliance to the particulate mass emission rate was 100% for the month of December. However, a particulate concentration licence limit exceedance was reported in December which is explained within this report.

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	Dec-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-Dec-22	24,665	13,816	6,371	25,256
02-Dec-22	56,143	16,736	9,783	30,292
03-Dec-22	43,454	20,184	9,819	33,138
04-Dec-22	18,282	14,367	15,718	25,985
05-Dec-22	8,903	12,412	7,070	21,118
06-Dec-22	9,346	10,166	4,911	17,833
07-Dec-22	21,822	16,743	8,678	31,044
08-Dec-22	31,285	18,227	9,037	38,110
09-Dec-22	24,817	18,782	10,454	36,267
10-Dec-22	31,267	18,584	10,116	32,037
11-Dec-22	33,259	18,618	10,420	33,827
12-Dec-22	31,010	18,500	8,777	38,989
13-Dec-22	28,505	19,246	10,260	40,936
14-Dec-22	31,230	18,436	12,153	34,783
15-Dec-22	22,993	18,753	12,365	45,534
16-Dec-22	28,659	18,974	12,216	45,295
17-Dec-22	28,332	18,309	10,487	45,699
18-Dec-22	38,071	18,183	11,068	37,043
19-Dec-22	22,307	18,741	14,651	34,768
20-Dec-22	8,872	11,117	6,012	26,261
21-Dec-22	20,365	11,540	8,228	31,979
22-Dec-22	24,858	17,605	7,744	40,592
23-Dec-22	46,890	17,107	6,807	41,284
24-Dec-22	29,647	15,980	5,598	35,898
25-Dec-22	7,852	15,958	5,899	18,498
26-Dec-22	15,242	22,886	5,778	30,198
27-Dec-22	31,429	28,659	10,598	46,276
28-Dec-22	30,580	25,650	13,022	42,085
29-Dec-22	18,158	18,416	6,753	32,574
30-Dec-22	19,617	19,634	5,739	34,468
31-Dec-22	16,957	19,680	5,445	31,540

Air Emissions 90th Percentile Performance [2]				
	Carbon Monoxide (g/min)	Oxides of Nitrogen (as NO ₂) (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)	32,760	25,024	10,290	45,712

[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
07/12/2022 20:00- 20:30	Maximum particles concentration	A2b	EnergyAustralia Yallourn identified an exceedance of the maximum particle concentration limit at discharge point A2b (limit 0.22 g/m ³ with 0.2253 g/m ³ recorded) impacting one 30-minute period. The total station dust mass emission rate (limit 24,100 g/min with 9,527 g/min recorded) and the particle concentration reported at A1 and A2a remained within licence limits during this period. Contributing factors for the slight concentration exceedance included abnormal adverse operating conditions and a precipitator being out of service for maintenance.

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
N/A	N/A	N/A	N/A	N/A

Yallourn Power Station - Licenced Discharge to Air Points

