



**EnergyAustralia**

**EnergyAustralia Yallourn Pty Ltd**

**Monthly Air Emissions Compliance Report**

**June 2023**

Monthly Discharge to Air Compliance Executive Summary				
Indicator	Carbon Monoxide	Oxides of Nitrogen (as NO <sub>2</sub> )	Particles (Total)	Sulphur Dioxide
Maximum Licence Limit (g/min)	139,000	51,600	24,100	104,000
Monthly Maximum Reported (g/min)	58,538	40,367	17,204	73,440
90th Percentile Licence Limit (g/min)	85,600	49,100	14,500	73,100
YTD Month End 90th Percentile (g/min)	31,559	23,469	12,358	48,131
Discharge to Air Licence Limit Compliance	100%	100%	100%	100%
Monitoring System Availability (%)	100% (A1, A2a) and 99.87% (A2b)	100% (A1, A2a) and 99.87% (A2b)	100%	100% (A1, A2a) and 99.87% (A2b)

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	June 2023
Licence Discharge Points	<b>A1:</b> Latitude -38.1769981; Longitude 146.345441
	<b>A2a:</b> Latitude -38.1769981; Longitude 146.3454416
	<b>A2b:</b> Latitude -38.1772303; Longitude 146.3447922
Websites	<a href="#">Annual Performance Statement</a>
	<a href="#">Current EPA Licence</a>
	<a href="#">EPA AirWatch</a>
	<a href="#">Latrobe Valley Air Monitoring Network Inc.</a>

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

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

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

[3] Monitoring Frequency

Monthly Air Emissions Daily Performance				
Indicator	Carbon Monoxide Daily Maximum (g/min)	Oxides of Nitrogen (as NO <sub>2</sub> ) Daily Maximum (g/min)	Particles (Total)[5] Daily Maximum (g/min)	Sulfur Dioxide Daily Maximum (g/min)
<b>Maximum Limits</b>	<b>139,000</b>	<b>51,600</b>	<b>24,100</b>	<b>104,000</b>
01-Jun-23	24,380	40,367	17,204	73,440
02-Jun-23	12,630	27,082	15,487	64,345
03-Jun-23	20,459	25,324	15,317	48,039
04-Jun-23	22,776	23,642	15,292	34,578
05-Jun-23	13,368	19,827	16,768	33,030
06-Jun-23	19,918	21,114	13,891	34,891
07-Jun-23	20,258	20,245	16,050	36,736
08-Jun-23	26,657	17,665	14,218	28,732
09-Jun-23	28,877	17,418	15,869	36,019
10-Jun-23	22,747	18,640	12,255	39,524
11-Jun-23	22,590	22,404	15,020	31,268
12-Jun-23	15,216	27,162	12,879	29,918
13-Jun-23	18,564	17,905	9,929	25,164
14-Jun-23	16,588	21,152	12,108	28,648
15-Jun-23	13,821	22,748	13,613	28,222
16-Jun-23	17,873	24,189	13,353	37,223
17-Jun-23	13,664	25,625	14,535	35,452
18-Jun-23	10,422	26,653	13,542	40,048
19-Jun-23	17,136	25,087	14,981	50,595
20-Jun-23	16,741	25,174	13,800	48,668
21-Jun-23	36,535	18,912	11,097	39,047
22-Jun-23	43,515	15,849	11,232	34,434
23-Jun-23	38,512	19,516	11,912	47,018
24-Jun-23	23,160	25,545	12,381	42,991
25-Jun-23	44,306	24,998	12,627	43,846
26-Jun-23	58,538	22,373	12,489	38,199
27-Jun-23	54,692	21,971	13,062	40,409
28-Jun-23	34,552	23,430	13,847	38,694
29-Jun-23	22,655	23,457	12,273	43,145
30-Jun-23	22,884	17,881	8,770	38,855

Air Emissions 90th Percentile Performance [2]				
	Carbon Monoxide (g/min)	Oxides of Nitrogen (as NO <sub>2</sub> ) (g/min)	Particles (Total)[5] (g/min)	Sulfur Dioxide(g/min)
90th Percentile Licence Limits	<b>85,600</b>	<b>49,100</b>	<b>14,500</b>	<b>73,100</b>
90th Percentile (Month End)	31,559	23,469	12,358	48,131

[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 of licence conditions were reported for the month of June.

### 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
25/06/2023 10:30- 14:30	0.134%	CO, NOx, SO2	A2b	The light source of the continuous emission monitoring system failed and replaced in discharge point A2b. Data for this period was substituted using the Predictive Emission Monitoring System (PEMS) methodology.

# Yallourn Power Station - Licenced Discharge to Air Points

