



**EnergyAustralia**<sup>®</sup>

**EnergyAustralia Yallourn Pty Ltd**

**Monthly Air Emissions Compliance Report**

**January, 2022**

### 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)	56,203	26,709	13,082	59,753
90th Percentile Licence Limit (g/min)	85,600	49,100	14,500	73,100
YTD Month End 90th Percentile (g/min)	41,834	31,786	9,861	57,693
Discharge to Air Licence Limit Compliance	100%	100%	100%	100%
Monitoring System Availability (%)	92.78% A2a (100% A1 & A2b)	92.78% A2a (100% A1 & A2b)	100%	92.78% A2a (100% A1 & 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	January 2022
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**

<b>Discharge Point</b>	<b>Description of Discharge Point</b>	<b>Indicator</b>	<b>Units[1]</b>	<b>90th Percentile Limit[2]</b>	<b>Maximum Limit</b>	<b>Frequency[3]</b>
A1, A2a, A2b	Bubble Limit for A1, A2a, A2b	Carbon Monoxide	g/min	85,600	139,000	Continuous[4]
		Oxides of Nitrogen (as NO <sub>2</sub> )	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 <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-Jan-22	27,075	20,275	6,235	42,912
02-Jan-22	29,258	20,509	6,441	48,079
03-Jan-22	19,419	21,239	6,318	41,001
04-Jan-22	44,399	18,272	6,069	42,043
05-Jan-22	39,778	18,570	6,288	40,711
06-Jan-22	20,956	18,694	8,122	39,514
07-Jan-22	38,491	23,385	8,363	48,092
08-Jan-22	40,721	23,818	8,077	47,640
09-Jan-22	46,491	25,747	8,907	47,038
10-Jan-22	56,203	26,181	9,379	50,522
11-Jan-22	44,355	26,545	9,873	49,126
12-Jan-22	47,312	26,709	11,520	45,202
13-Jan-22	53,328	25,217	9,754	45,412
14-Jan-22	49,686	25,107	12,711	52,472
15-Jan-22	45,572	24,065	8,790	48,110
16-Jan-22	40,938	25,713	9,128	49,411
17-Jan-22	37,144	26,639	9,493	54,367
18-Jan-22	35,826	26,351	8,808	51,172
19-Jan-22	33,055	25,138	9,025	50,046
20-Jan-22	37,639	26,274	11,148	48,251
21-Jan-22	33,212	26,088	10,471	47,379
22-Jan-22	27,320	19,445	10,058	36,570
23-Jan-22	26,938	19,114	7,615	35,870
24-Jan-22	28,966	22,348	11,603	38,965
25-Jan-22	48,620	25,244	13,082	59,753
26-Jan-22	15,956	18,904	5,635	43,242
27-Jan-22	15,779	17,694	5,659	32,538
28-Jan-22	16,178	17,885	6,493	33,874
29-Jan-22	18,017	18,884	6,506	43,903
30-Jan-22	18,854	19,376	9,150	45,737
31-Jan-22	18,569	11,361	6,705	28,913

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)	41,834	31,786	9,861	57,693

[5] In accordance with licence condition LI\_DA1.10.3 & 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 January.

### 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
15/01/2022 08:37 - 17/01/2022 14:18	7.22%	CO, NOx, SO2	A2a	A software fault occurred in a computer recording information from the continuous emission monitoring system installed in discharge point A2a. The system was reinstated following advice from the original equipment manufacturer, but the data was unable to be recovered. Data for this period was substituted using the PEMs methodology utilised prior to the commissioning of the CEMs system in December 2021.

# Yallourn Power Station - Licenced Discharge to Air Points

