



***EnergyAustralia***<sup>®</sup>

**EnergyAustralia Yallourn Pty Ltd**

**Monthly Air Emissions Compliance Report**

**May 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)	35,492	18,562	19,043	77,800
90th Percentile Licence Limit (g/min)	85,600	49,100	14,500	73,100
YTD Month End 90th Percentile (g/min)	31,965	24,719	11,929	48,727
Discharge to Air Licence Limit Compliance	100%	100%	100%	100%
Monitoring System Availability (%)	99.9% (A1), 99.87% (A2a) and 99.93% (A2b)	99.9% (A1), 99.87% (A2a) and 99.93% (A2b)	100%	99.9% (A1), 99.87% (A2a) and 99.93% (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	May 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) <sup>[5]</sup> 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-May-23	28,554	15,256	15,587	49,838
02-May-23	21,399	15,647	15,686	54,436
03-May-23	15,581	15,797	15,682	58,815
04-May-23	18,164	16,705	12,642	51,298
05-May-23	23,602	16,725	11,594	40,041
06-May-23	13,425	12,589	9,765	42,501
07-May-23	17,527	12,680	8,819	69,952
08-May-23	14,376	13,378	11,643	77,800
09-May-23	11,044	13,007	12,606	63,659
10-May-23	23,122	12,423	9,764	62,759
11-May-23	12,505	13,474	10,031	51,615
12-May-23	22,090	15,761	13,115	41,368
13-May-23	19,951	17,548	13,394	49,334
14-May-23	11,727	18,562	13,301	49,868
15-May-23	16,180	16,028	11,878	40,718
16-May-23	27,841	15,258	13,814	45,721
17-May-23	26,996	16,325	13,532	58,264
18-May-23	24,697	16,294	16,127	57,992
19-May-23	27,733	15,644	15,644	61,406
20-May-23	23,034	15,056	15,594	59,990
21-May-23	35,492	15,547	17,796	56,444
22-May-23	30,788	16,249	19,043	56,450
23-May-23	34,227	16,962	17,251	48,796
24-May-23	28,930	16,507	15,807	44,095
25-May-23	24,636	15,963	16,495	44,144
26-May-23	22,923	16,178	16,987	53,186
27-May-23	17,266	15,873	16,084	57,962
28-May-23	22,922	16,511	15,325	57,739
29-May-23	11,346	17,752	15,656	63,243
30-May-23	19,594	17,550	13,442	58,013
31-May-23	13,646	17,966	10,816	54,319

Air Emissions 90th Percentile Performance [2]				
	Carbon Monoxide (g/min)	Oxides of Nitrogen (as NO <sub>2</sub> ) (g/min)	Particles (Total) <sup>[5]</sup> (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)	31,965	24,719	11,929	48,727

[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 May.

### 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
30/05/2023 13:00-14:00	0.067%	CO, NOx, SO2	A2b	The continuous emission monitoring system was on maintenance and calibration in discharge point A2b. Data for this period was substituted using the PEMS methodology.
30/05/2023 13:30-15:00	0.134%	CO, NOx, SO2	A2a	The continuous emission monitoring system was on maintenance and calibration in discharge point A2a. Data for this period was substituted using the PEMS methodology.
31/05/2023 10:30-11:00 and 15:00-15:30	0.101%	CO, NOx, SO2	A1	The continuous emission monitoring system was scheduled for maintenance and calibration in discharge point A1. Data for this period was substituted using the PEMS methodology.

# Yallourn Power Station - Licenced Discharge to Air Points

