



***EnergyAustralia***<sup>®</sup>

**EnergyAustralia Yallourn Pty Ltd**

**Monthly Air Emissions Compliance Report**

**October, 2021**

### 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)	39,445	26,819	10,215	48,339
90th Percentile Licence Limit (g/min)	85,600	49,100	14,500	73,100
YTD Month End 90th Percentile (g/min)	45,818	33,149	10,158	60,062
Discharge to Air Licence Limit Compliance	100%	100%	100%	100%
Monitoring System Availability (%)	100%	100%	99.98% 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	October 2021
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 an EPA approved predictive model method.

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-Oct-21	38,201	26,324	7,860	47,447
02-Oct-21	39,244	26,691	7,839	48,110
03-Oct-21	39,445	26,819	7,439	48,339
04-Oct-21	32,566	25,689	6,823	46,302
05-Oct-21	39,021	26,172	7,625	47,173
06-Oct-21	37,407	26,789	7,316	48,284
07-Oct-21	38,516	26,094	8,905	47,032
08-Oct-21	25,120	17,716	10,215	31,933
09-Oct-21	23,926	17,157	5,825	30,923
10-Oct-21	21,738	17,284	6,378	31,154
11-Oct-21	18,487	17,802	7,937	32,087
12-Oct-21	21,938	23,495	8,971	42,349
13-Oct-21	32,123	25,892	7,691	46,668
14-Oct-21	33,491	26,355	8,861	47,503
15-Oct-21	33,264	26,184	7,031	47,195
16-Oct-21	33,581	26,114	8,391	47,068
17-Oct-21	32,043	26,202	7,909	47,228
18-Oct-21	35,665	25,960	7,375	46,792
19-Oct-21	24,456	23,652	6,363	42,631
20-Oct-21	33,119	25,803	9,138	46,509
21-Oct-21	32,320	25,385	9,404	45,755
22-Oct-21	33,320	25,436	7,947	45,847
23-Oct-21	24,756	24,569	6,865	44,285
24-Oct-21	12,135	16,851	4,580	30,373
25-Oct-21	12,146	16,764	5,733	30,216
26-Oct-21	12,549	16,999	5,486	30,640
27-Oct-21	11,685	16,816	5,243	30,310
28-Oct-21	10,766	16,876	5,633	30,418
29-Oct-21	10,187	16,468	4,530	29,683
30-Oct-21	8,920	16,357	4,710	29,483
31-Oct-21	8,208	16,401	4,658	29,561

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)	45,818	33,149	10,158	60,062

[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 October

### 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
07/10/2021 12:56:00 PM - 07/10/2021 13:14:00 PM	0.02%	Particles	A2b	An opacity monitor reported an instrument fault. The average data from the adjacent periods was applied during this period.
19/10/2021 7:11:00 AM - 22/10/2021 12:36 PM	N/A	N/A	A2b	An instrument measuring oxygen content within one of two ducts of discharge point A2b went into fault. Data from an oxygen sensor upstream of the faulty instrument (with a correction factor accounting for the typical difference between the instruments) was used to estimate the oxygen content in the flue gas.
25/10/2021 5:08:00 AM - Month end	N/A	N/A	A2a	A gas volumetric flow measuring device on one of two ducts of discharge point A2a recorded a progressive drift fault. The data provided by the instrument was substituted with an indicative upper gas flow rate to provide a conservative estimate of emissions from discharge point A2a during the time period.

# Yallourn Power Station - Licenced Discharge to Air Points

