



**EnergyAustralia**<sup>®</sup>

**EnergyAustralia Yallourn Pty Ltd**

**Monthly Air Emissions Compliance Report**

**August, 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)	43,262	33,008	16,494	59,494
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	10,183	60,062
Discharge to Air Licence Limit Compliance	100%	100%	100%	100%
Monitoring System Availability (%)	100%	100%	99.93% 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	August 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

**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-Aug-21	16,223	22,323	8,204	40,236
02-Aug-21	18,091	22,190	7,813	39,995
03-Aug-21	16,285	22,107	8,180	39,847
04-Aug-21	18,303	22,298	9,186	40,190
05-Aug-21	20,271	22,687	8,198	40,891
06-Aug-21	17,356	22,559	9,256	40,661
07-Aug-21	16,736	22,435	10,053	40,437
08-Aug-21	15,915	22,499	10,670	40,553
09-Aug-21	19,189	22,278	9,723	40,155
10-Aug-21	18,419	22,317	9,892	40,224
11-Aug-21	43,262	33,008	16,494	59,494
12-Aug-21	31,563	30,713	15,013	55,358
13-Aug-21	32,727	30,354	13,590	54,711
14-Aug-21	32,771	31,065	14,613	55,993
15-Aug-21	32,733	30,894	12,786	55,683
16-Aug-21	30,366	30,498	15,979	54,971
17-Aug-21	31,112	30,631	12,489	55,211
18-Aug-21	30,096	30,697	13,253	55,330
19-Aug-21	32,309	30,591	12,655	55,137
20-Aug-21	30,940	30,525	12,422	55,019
21-Aug-21	31,441	30,642	11,599	55,230
22-Aug-21	28,638	30,248	12,799	54,520
23-Aug-21	29,653	30,585	11,985	55,128
24-Aug-21	23,640	29,027	10,639	52,319
25-Aug-21	30,487	29,148	11,374	52,536
26-Aug-21	29,552	28,769	11,480	51,854
27-Aug-21	17,786	21,828	6,700	39,343
28-Aug-21	16,687	13,900	5,990	25,054
29-Aug-21	24,161	22,632	10,247	40,793
30-Aug-21	33,112	23,258	7,536	41,920
31-Aug-21	27,559	22,597	6,355	40,730

Air Emissions Annual 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	10,183	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 have 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 August

### 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
13/08/2021 02:54:00 AM - 13/08/2021 03:55:00 AM	0.07%	Particles	A2b	An opacity monitor measuring the concentration of particles within one of two parallel flues (comprising discharge point A2b) faulted during an autocalibration sequence. This caused the unit to output erroneous data. The fault was quickly identified and resolved. The average dust concentration reported by the monitor for the hour prior to the fault was applied over this period as operating conditions were stable during the event. The opacity monitor corresponding to the other parallel flue (on A2b) remained available.

# Yallourn Power Station - Licenced Discharge to Air Points

