



EnergyAustralia[®]

EnergyAustralia Yallourn Pty Ltd

Monthly Air Emissions Compliance Report

September, 2021

Monthly Discharge to Air Compliance Executive Summary

Indicator	Carbon Monoxide	Oxides of Nitrogen (as NO ₂)	Particles (Total)	Sulphur Dioxide
Maximum Licence Limit (g/min)	139,000	51,600	24,100	104,000
Monthly Maximum Reported (g/min)	41,495	32,182	14,657	58,005
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	10,202	60,062
Discharge to Air Licence Limit Compliance	100%	100%	100%	100%
Monitoring System Availability (%)	99.94% A2a (100% A1 & A2b)	100%	99.94% A2a & A2b (100% A1)	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	September 2021
Licence Discharge Points	A1: Latitude -38.1769981; Longitude 146.345441
	A2a: Latitude -38.1769981; Longitude 146.3454416
	A2b: Latitude -38.1772303; Longitude 146.3447922
Websites	Annual Performance Statement
	Current EPA Licence
	EPA AirWatch
	Latrobe Valley Air Monitoring Network Inc.

Discharge to Air Licence Limits						
Discharge Point	Description of Discharge Point	Indicator	Units[1]	90th Percentile Limit[2]	Maximum Limit	Frequency[3]
A1, A2a, A2b	Bubble Limit for A1, A2a, A2b	Carbon Monoxide	g/min	85,600	139,000	Continuous[4]
		Oxides of Nitrogen (as NO ₂)	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 ₂) Daily Maximum (g/min)	Particles (Total)[5] Daily Maximum (g/min)	Sulfur Dioxide Daily Maximum (g/min)
Maximum Limits	139,000	51,600	24,100	104,000
01-Sep-21	26,177	22,379	5,968	40,336
02-Sep-21	26,572	22,227	7,723	40,063
03-Sep-21	27,690	22,329	7,243	40,247
04-Sep-21	30,232	22,937	8,494	41,342
05-Sep-21	30,748	31,481	11,705	56,742
06-Sep-21	31,342	29,605	12,294	53,360
07-Sep-21	33,312	30,780	11,398	55,479
08-Sep-21	32,733	31,049	10,151	55,964
09-Sep-21	30,012	30,638	11,810	55,223
10-Sep-21	27,934	30,485	10,500	54,947
11-Sep-21	17,369	24,279	7,173	43,761
12-Sep-21	32,482	31,353	12,709	56,511
13-Sep-21	41,495	31,754	11,941	57,235
14-Sep-21	38,425	31,433	10,193	56,656
15-Sep-21	29,072	30,939	10,129	55,766
16-Sep-21	27,635	30,974	10,099	55,827
17-Sep-21	26,607	32,182	11,706	58,005
18-Sep-21	29,088	26,257	14,657	47,327
19-Sep-21	28,425	25,259	9,524	45,528
20-Sep-21	27,663	25,334	9,664	45,663
21-Sep-21	31,031	25,281	8,557	45,567
22-Sep-21	36,989	26,481	8,220	47,729
23-Sep-21	39,059	26,454	8,443	47,681
24-Sep-21	30,482	24,716	6,194	44,550
25-Sep-21	30,477	17,666	4,926	31,842
26-Sep-21	31,314	16,973	4,454	30,592
27-Sep-21	29,341	16,466	4,102	29,679
28-Sep-21	34,207	16,513	4,037	29,763
29-Sep-21	31,393	16,642	4,412	29,996
30-Sep-21	36,910	25,414	8,051	45,807

Air Emissions 90th Percentile Performance [2]				
	Carbon Monoxide (g/min)	Oxides of Nitrogen (as NO ₂) (g/min)	Particles (Total)[5] (g/min)	Sulfur Dioxide(g/min)
90th Percentile Licence Limits	85,600	49,100	14,500	73,100
90th Percentile (Month End)	45,818	33,149	10,202	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 September

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
09/09/2021 01:00 AM - 09/09/2021 01:24 AM	0.06%	Particles, Carbon Monoxide	A2a	An internal electrical supply board was temporarily electrically isolated to facilitate the return to service of a piece of auxiliary plant. When the electrical services board was electrically isolated, the power supply to the instruments was temporarily interrupted.
09/09/2021 01:00 AM - 09/09/2021 01:24 AM	0.06%	Particles	A2b	Associated with the same event as for A2a. However, fewer instruments were impacted.

Yallourn Power Station - Licenced Discharge to Air Points

