



EnergyAustralia[®]

EnergyAustralia Yallourn Pty Ltd

Monthly Air Emissions Compliance Report

December, 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)	37,768	25,419	18,580	45,816
90th Percentile Licence Limit (g/min)	85,600	49,100	14,500	73,100
YTD Month End 90th Percentile (g/min)	45,818	33,051	10,036	59,983
Discharge to Air Licence Limit Compliance	100%	100%	100%	100%
Monitoring System Availability (%)	100%	100%	99.94% A2a 99.92% 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	December 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-Dec-21	18,930	16,923	7,719	30,502
02-Dec-21	17,431	18,642	11,260	33,601
03-Dec-21	25,810	22,930	8,860	41,330
04-Dec-21	23,619	22,134	8,207	39,895
05-Dec-21	29,695	21,540	8,363	38,824
06-Dec-21	28,188	20,854	7,833	37,588
07-Dec-21	13,683	16,168	6,230	29,142
08-Dec-21	12,156	15,796	6,077	28,471
09-Dec-21	12,656	15,989	6,969	28,819
10-Dec-21	12,721	15,729	6,289	28,350
11-Dec-21	11,755	15,331	7,124	27,634
12-Dec-21	12,176	15,980	6,881	28,803
13-Dec-21	12,943	16,175	11,034	29,154
14-Dec-21	37,768	24,185	10,319	43,591
15-Dec-21	35,150	24,967	9,905	45,002
16-Dec-21	33,892	24,343	8,253	43,877
17-Dec-21	36,159	24,072	9,308	43,388
18-Dec-21	33,267	24,182	9,954	43,587
19-Dec-21	33,683	24,145	9,557	43,519
20-Dec-21	34,150	24,310	11,089	43,818
21-Dec-21	24,657	23,695	12,831	42,708
22-Dec-21	20,837	23,646	12,411	42,619
23-Dec-21	28,662	24,951	9,891	44,973
24-Dec-21	30,398	24,801	6,772	44,701
25-Dec-21	29,254	22,898	5,592	41,273
26-Dec-21	27,611	22,664	4,853	40,850
27-Dec-21	6,837	16,972	6,105	30,591
28-Dec-21	16,403	24,408	11,165	43,993
29-Dec-21	17,412	25,241	18,580	45,495
30-Dec-21	33,443	24,963	8,496	44,994
31-Dec-21	34,882	25,419	7,013	45,816

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	33,051	10,036	59,983

[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 December

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
09/12/2021 03:30 - 09/12/2021 09:16	A2a 0.02% A2b 0.04%	PM	A2a & A2b	The power supply to the monitors measuring particulate concentration in the flues was temporarily isolated during the installation of new monitoring equipment.
24/12/2021 06:35 - 24/12/2021 08:12	A2a 0.04% A2b 0.04%	PM	A2a & A2b	The particulate monitors present on each of the flues comprising discharge point A2a and A2b were sequentially temporarily taken out of service to allow lens cleaning and calibration activities to be completed.

Yallourn Power Station - Licenced Discharge to Air Points

