



EnergyAustralia[®]

EnergyAustralia Yallourn Pty Ltd

Monthly Air Emissions Compliance Report

July, 2022

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)	51,943	29,017	16,709	108,015
90th Percentile Licence Limit (g/min)	85,600	49,100	14,500	73,100
YTD Month End 90th Percentile (g/min)	31,184	26,232	9,785	47,478
Discharge to Air Licence Limit Compliance	100%	100%	100%	99.7%
Monitoring System Availability (%)	100%	100%	100%	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	Jul-22
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 a CEMs system for discharge points A2a and A2b and an EPA approved predictive model method for discharge point A1.

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-Jul-22	22,350	14,917	4,517	27,803
02-Jul-22	20,583	18,350	10,924	31,663
03-Jul-22	38,383	21,895	13,753	35,889
04-Jul-22	48,763	22,219	13,630	42,452
05-Jul-22	51,943	21,784	12,134	45,611
06-Jul-22	47,457	23,587	14,455	44,330
07-Jul-22	38,496	23,023	14,585	43,375
08-Jul-22	40,143	22,614	14,067	40,367
09-Jul-22	19,559	14,995	11,690	25,111
10-Jul-22	28,413	14,871	7,907	26,250
11-Jul-22	25,565	15,023	6,619	23,033
12-Jul-22	16,321	15,494	7,319	25,033
13-Jul-22	19,408	15,481	8,374	26,969
14-Jul-22	18,720	15,067	8,190	25,631
15-Jul-22	16,543	14,618	6,734	23,897
16-Jul-22	16,256	14,766	6,662	24,781
17-Jul-22	14,681	20,179	13,330	38,764
18-Jul-22	22,922	22,466	11,374	54,329
19-Jul-22	28,410	24,205	12,674	50,412
20-Jul-22	41,487	27,289	16,709	57,091
21-Jul-22	42,496	27,937	14,988	108,015
22-Jul-22	31,919	28,284	13,921	83,023
23-Jul-22	31,441	28,669	15,664	56,825
24-Jul-22	30,248	29,017	15,073	57,333
25-Jul-22	50,253	27,837	14,530	57,841
26-Jul-22	40,947	28,770	13,748	55,831
27-Jul-22	38,074	28,681	16,169	75,067
28-Jul-22	38,779	28,562	10,368	57,854
29-Jul-22	36,195	28,640	10,462	53,404
30-Jul-22	30,671	28,633	13,352	49,020
31-Jul-22	27,844	26,372	11,581	41,500

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)	31,184	26,232	9,785	47,478

[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
21/07/2022 03:30 - 05:30	Sulfur Dioxide	A1, A2a, A2b	EnergyAustralia Yallourn identified an exceedance of the sulfur dioxide bubble limit which occurred between 3:30 and 5:30 am. A maximum 30 min-average value of 108,015 g/min was recorded during this period. The high sulfur dioxide emissions were directly related to abnormally high sulfur content present in the coal.

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
N/A	0%			Monitoring system availability was 100% for the month of July

Yallourn Power Station - Licenced Discharge to Air Points

