



EnergyAustralia[®]

EnergyAustralia Yallourn Pty Ltd

Monthly Air Emissions Compliance Report

November, 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)	27,024	22,810	9,828	41,113
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	10,152	60,062
Discharge to Air Licence Limit Compliance	100%	100%	100%	100%
Monitoring System Availability (%)	99.98% A2a & A2b (100% A1)	100%	99.98% 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	November 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-Nov-21	12,493	16,137	4,367	29,086
02-Nov-21	12,267	16,185	4,557	29,172
03-Nov-21	10,981	15,684	3,725	28,269
04-Nov-21	10,925	15,676	3,707	28,255
05-Nov-21	12,259	16,178	4,551	29,159
06-Nov-21	13,629	15,983	3,643	28,808
07-Nov-21	15,779	15,370	3,722	27,703
08-Nov-21	17,753	21,283	8,595	38,361
09-Nov-21	17,280	21,285	7,654	38,364
10-Nov-21	16,067	21,190	6,922	38,193
11-Nov-21	16,559	21,035	7,149	37,915
12-Nov-21	21,808	22,761	7,208	41,025
13-Nov-21	21,160	22,810	7,036	41,113
14-Nov-21	21,173	22,215	6,948	40,041
15-Nov-21	21,331	22,694	7,377	40,904
16-Nov-21	20,064	22,164	6,830	39,949
17-Nov-21	19,357	22,013	7,150	39,676
18-Nov-21	22,359	21,389	6,664	38,551
19-Nov-21	18,628	21,765	7,051	39,231
20-Nov-21	19,765	22,173	9,828	39,964
21-Nov-21	19,683	21,887	8,978	39,450
22-Nov-21	10,265	13,257	5,546	23,895
23-Nov-21	27,024	15,927	5,705	28,706
24-Nov-21	25,229	15,862	5,129	28,589
25-Nov-21	20,638	15,161	5,194	27,326
26-Nov-21	23,550	16,577	6,251	29,878
27-Nov-21	22,127	16,702	6,064	30,104
28-Nov-21	20,898	16,658	7,956	30,025
29-Nov-21	20,187	16,427	6,187	29,608
30-Nov-21	19,055	16,651	7,120	30,012

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	10,152	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

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
Month start - 10/11/2021 08:30:00	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.
07/11/2021 23:51:00 - 07/11/2021 23:57	0.02%	Particles, Carbon Monoxide	A2a and A2b	An item of plant shutdown due to an electrical fault. The fault propagated to the distribution board powering several emissions monitoring instruments, causing them to temporarily go offline until power could be restored.

Yallourn Power Station - Licenced Discharge to Air Points

