



EnergyAustralia[®]

EnergyAustralia Yallourn Pty Ltd

Monthly Air Emissions Compliance Report

July, 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)	54,619	33,823	17,518	60,964
90th Percentile Licence Limit (g/min)	85,600	49,100	14,500	73,100
YTD Month End 90th Percentile (g/min)	45,985	33,143	9,992	60,009
Discharge to Air Licence Limit Compliance	100%	100%	100%	100%
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	July 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

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-Jul-21	46,861	25,453	13,614	45,878
02-Jul-21	51,935	31,009	14,370	55,891
03-Jul-21	54,619	32,722	14,616	58,978
04-Jul-21	52,577	33,326	12,252	60,067
05-Jul-21	52,447	33,765	12,085	60,858
06-Jul-21	51,632	33,791	12,942	60,905
07-Jul-21	48,183	33,296	12,603	60,014
08-Jul-21	47,948	33,274	12,210	59,974
09-Jul-21	44,841	32,649	17,518	58,847
10-Jul-21	30,175	24,036	10,932	43,323
11-Jul-21	37,072	31,568	15,313	56,899
12-Jul-21	43,084	32,377	11,931	58,357
13-Jul-21	41,863	32,495	13,080	58,569
14-Jul-21	38,603	31,289	12,280	56,397
15-Jul-21	39,247	31,283	13,164	56,386
16-Jul-21	46,031	33,551	12,950	60,473
17-Jul-21	33,002	30,461	9,730	54,905
18-Jul-21	33,321	31,107	10,841	56,068
19-Jul-21	33,883	31,707	11,917	57,149
20-Jul-21	32,215	32,045	12,504	57,758
21-Jul-21	36,141	32,455	12,309	58,497
22-Jul-21	41,776	33,823	14,591	60,964
23-Jul-21	36,705	32,712	10,929	58,961
24-Jul-21	34,823	31,488	12,746	56,755
25-Jul-21	33,728	31,792	14,737	57,302
26-Jul-21	34,763	31,178	11,164	56,196
27-Jul-21	31,857	31,383	13,882	56,566
28-Jul-21	27,398	30,195	15,306	54,424
29-Jul-21	28,410	29,597	9,351	53,347
30-Jul-21	20,687	27,496	15,308	49,560
31-Jul-21	18,811	22,359	13,821	40,300

Air Emissions Annual 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)	45,985	33,143	9,992	60,009

[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 June

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
2/07/2021 7:00:00 AM - 19/07/2021 08:30:00 AM	N/A	N/A	A2b	A gas volumetric flow measuring device on one of two ducts of discharge point A2b 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 A2b during the time period.

Yallourn Power Station - Licenced Discharge to Air Points

