



EnergyAustralia

EnergyAustralia Yallourn Pty Ltd

Monthly Air Emissions Compliance Report

November 2023

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)	39,318	19,277	11,501	72,640
90th Percentile Licence Limit (g/min)	85,600	49,100	14,500	73,100
YTD Month End 90th Percentile (g/min)	19,767	18,514	11,910	46,664
Discharge to Air Licence Limit Compliance	100%	100%	100%	100%
Monitoring System Availability (%)	98.68% (A1), 99.9% (A2a) and 99.97% (A2b)	98.68% (A1), 99.9% (A2a) and 99.97% (A2b)	100%	98.68% (A1), 99.9% (A2a) and 99.97% (A2b)

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 2023
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
		Oxides of Nitrogen (as NO ₂)	g/min	49,100	51,600	Continuous
		Particles (Total)	g/min	14,500	24,100	Continuous
		Sulfur Dioxide	g/min	73,100	104,000	Continuous

[1] g/min =grams per minute 30 minute average

[2] 90th percentile limits are based on a 12-month rolling average

[3] Monitoring Frequency

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-23	11,127	17,012	7,266	47,652
02-Nov-23	28,171	14,947	8,731	46,406
03-Nov-23	5,477	12,778	5,377	48,023
04-Nov-23	5,769	12,734	5,867	35,186
05-Nov-23	7,089	12,818	5,698	33,231
06-Nov-23	20,205	12,192	7,023	28,855
07-Nov-23	39,318	14,927	7,371	39,275
08-Nov-23	19,866	17,645	9,148	37,393
09-Nov-23	23,445	15,703	9,742	31,251
10-Nov-23	21,712	19,277	9,517	28,266
11-Nov-23	12,680	15,171	8,837	25,913
12-Nov-23	12,808	15,713	8,089	30,573
13-Nov-23	16,279	14,936	7,654	31,339
14-Nov-23	11,099	15,480	6,891	32,118
15-Nov-23	12,199	15,548	8,949	33,813
16-Nov-23	12,288	11,669	6,727	26,312
17-Nov-23	18,534	16,616	10,727	26,924
18-Nov-23	22,052	15,095	8,220	72,640
19-Nov-23	12,571	15,199	9,196	71,598
20-Nov-23	20,235	15,937	9,076	61,647
21-Nov-23	12,129	16,139	9,394	46,178
22-Nov-23	17,233	16,391	9,225	37,066
23-Nov-23	10,667	16,191	9,047	33,257
24-Nov-23	9,172	16,714	9,603	29,601
25-Nov-23	27,936	15,844	8,290	27,439
26-Nov-23	17,445	14,564	7,739	26,297
27-Nov-23	19,090	16,349	9,678	46,945
28-Nov-23	15,564	16,187	11,501	47,313
29-Nov-23	13,053	16,936	8,533	21,183
30-Nov-23	22,722	18,257	10,555	22,856

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)	19,767	18,514	11,910	46,664

[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 November.

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
28/11/2023 13:00 to 29/11/2023 07:30	1.32%	CO, NOx, SO2	A1	The continuous emission monitoring system was on maintenance and calibration in discharge point A1. Data for this period was substituted using the Predictive Emission Methodology (PEMs).
29/11/2023 at 7:30 and 11:00; 30/11/2023 at 8:30	0.10%	CO, NOx, SO2	A2a	The continuous emission monitoring system was on maintenance and calibration in discharge point A2a. Data for this period was substituted using the Predictive Emission Methodology (PEMs).
29/11/2023 at 13:30	0.03%	CO, NOx, SO2	A2b	The continuous emission monitoring system was scheduled for maintenance and calibration in discharge point A2b. Data for this period was substituted using the Predictive Emission Methodology (PEMs).

Yallourn Power Station - Licenced Discharge to Air Points

