



EnergyAustralia[®]

EnergyAustralia Yallourn Pty Ltd

Monthly Air Emissions Compliance Report

February, 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)	33,079	26,151	12,899	42,698
90th Percentile Licence Limit (g/min)	85,600	49,100	14,500	73,100
YTD Month End 90th Percentile (g/min)	38,834	30,456	9,602	55,032
Discharge to Air Licence Limit Compliance	100%	100%	100%	100%
Monitoring System Availability (%)	99.95% A2a 99.93% A2b	99.95% A2a 99.93% A2b	100%	99.95% A2a 99.93% 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	February, 2022
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-Feb-22	10377	24163	6987	24163
02-Feb-22	19927	34252	6462	34252
03-Feb-22	18685	30453	6764	30453
04-Feb-22	18196	23908	4477	23908
05-Feb-22	28402	34715	10146	34715
06-Feb-22	25364	37458	5548	37458
07-Feb-22	15968	31117	5577	31117
08-Feb-22	2370	13159	3368	13159
09-Feb-22	2075	12154	5413	12154
10-Feb-22	17628	26248	6554	26248
11-Feb-22	22428	31447	4238	31447
12-Feb-22	19636	31638	3662	31638
13-Feb-22	18786	33103	4253	33103
14-Feb-22	16656	32029	4275	32029
15-Feb-22	8061	27665	5696	27665
16-Feb-22	1976	12986	1956	12986
17-Feb-22	1994	14070	5331	14070
18-Feb-22	14638	30400	3965	30400
19-Feb-22	12777	27215	4137	27215
20-Feb-22	15250	25379	3540	25379
21-Feb-22	24652	35492	8996	35492
22-Feb-22	18104	33143	4470	33143
23-Feb-22	25987	35198	5243	35198
24-Feb-22	26239	37686	5522	37686
25-Feb-22	23734	39991	12899	39991
26-Feb-22	26739	30957	6232	30957
27-Feb-22	25147	36418	12437	36418
28-Feb-22	33079	42698	8087	42698

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)	38,834	30,456	9,602	55,032

[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 February

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
1/02/2022 08:00 AM	0.05%	CO, SO ₂ , NO _x	A2a	The W3 server was reset and resulted in CEMs data loss. Data for this period was substituted using the PEMs methodology.
28/02/2022 13:30 PM & 14:00 PM	0.07%	CO, SO ₂ , NO _x	A2b	Data loss associated with W4 CEMs rolling averages. Data for this period was replaced with available averages for the 30 minute periods.

Yallourn Power Station - Licenced Discharge to Air Points

