EnergyAustralia Yallourn Pty Ltd

Monthly Air Emissions Compliance Report

May 2024

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)	22,379	22,513	11452	36,038
90th Percentile Licence Limit (g/min)	85,600	49,100	14,500	73,100
Month End 90th Percentile (g/min)	17,879	20,996	11,464	39,446
Discharge to Air Licence Limit Compliance	100.00%	100.00%	100.00%	100.00%
Monitoring System Availability (%)	99.06%	99.06%	100.00%	99.06%

EPA Operating Licence Site Details	
Licence Holder	EnergyAustralia Yallourn PTY LTD
Licence Number	OL000010961
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	30m
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	Permission Information and Performance Statements
	Types of Operating Licences
	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-May-24	21,102	18,749	7,234	11,907
02-May-24	16,315	18,639	6,827	35,436
03-May-24	11,901	17,498	6,697	35,888
04-May-24	22,379	15,713	7,029	36,038
05-May-24	6,446	15,891	6,870	32,345
06-May-24	11,996	15,813	6,865	18,742
07-May-24	20,300	22,513	9,859	20,339
08-May-24	15,582	22,476	11,452	17,947
09-May-24	9,403	21,545	11,216	15,652
10-May-24	7,554	20,801	11,112	12,733
11-May-24	7,418	20,957	9,421	13,776
12-May-24	7,151	21,149	11,212	15,506
13-May-24	15,541	20,429	10,036	23,567
14-May-24	9,094	21,164	9,620	14,139
15-May-24	11,494	21,747	11,245	19,158
16-May-24	16,851	22,302	10,522	25,238
17-May-24	9,696	18,956	10,066	22,685
18-May-24	9,500	19,672	8,263	19,859
19-May-24	7,552	19,361	8,577	18,281
20-May-24	8,686	19,479	7,717	19,073
21-May-24	10,477	19,304	8,092	17,890
22-May-24	7,630	19,239	6,654	16,864
23-May-24	8,396	18,840	9,570	13,549
24-May-24	17,045	19,381	6,242	12,912
25-May-24	6,866	18,796	5,735	13,733
26-May-24	7,317	19,055	8,731	16,260
27-May-24	10,512	19,768	6,205	16,817
28-May-24	10,187	19,616	6,511	14,994
29-May-24	10,758	20,444	6,489	15,920
30-May-24	11,378	20,388	7,459	13,773
31-May-24	13,942	19,125	7,004	13,689

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	49,100
90th Percentile Month End	17,879	20,996	11,464	39,446

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

[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 May

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
16/05/2024 23:30 - 17/05/2024 06:00	0.94%	CEMS	A1	Stage 1 CEMS analyser fault due to heater element malfunction resulting in data loss of 390 minutes relating to Unit 2 SO2, CO and NOx mass rates. The data was unable to be recovered and approved manual calculation method was used to determine the upper mass rate as substitution for this period.

Yallourn Power Station - Licenced Discharge to Air Points