AGL LOY YANG PTY LTD

Monthly Monitoring Report

Licence Number:	**OL000011149**
Licensee:	**AGL Loy Yang Pty Ltd**
Premises Address:	**Bartons Lane**
	Traralgon VIC 3844
Reporting Period:	**1 May 2025 to 31 May 2025**

Introduction

AGL Loy Yang is situated in the Latrobe Valley, approximately 165 kilometres east of Melbourne. AGL Loy Yang holds an Environment Protection Authority (EPA) Operating Licence (OL000011149) for the operation of the Loy Yang A Power Station and the adjacent Loy Yang brown coal mine.

AGL Loy Yang's emissions to air from the Power Station result from the combustion of coal to produce electricity. The products of coal combustion include sulphur dioxide (SO_2), oxides of nitrogen (NOx), carbon monoxide (CO), and particles.

AGL Loy Yang has four generating units. Discharge points 1-4 are the corresponding power station unit stacks. Each unit (discharge points 1-4) is fitted with a Continuous Emissions Monitoring System (CEMS) for sulphur dioxide, oxides of nitrogen, carbon monoxide, and particles.

This monitoring report relates to the air emissions monitoring activities specified in conditions OL_DA04 and OL_DA04.02 of EPA Operating Licence OL000011149.

There may be differences when comparing the information reported on a daily basis and the information reported in the monthly report. Apparent non-compliances may be the result of instrument calibration, an instrument failure, or an error in the data transfer process. The data validation process at the end of each month, which involves checking the accuracy and quality of the data, will identify these and they will be explained in the monthly report.

If you have any questions regarding the information presented, please contact AGL Loy Yang via lymonitoring@agl.com.au

May 2025 Data Summary

Discharge Point	1 - 4															
Monitoring	Continuous															
Indicator	Carbon Monoxide				Oxides of Nitrogen				Particles				Sulphur Dioxide			
Limit Type	Maximum 90th percentile		Maximum Daily		Maximum 90th percentile		Maximum Daily		Maximum 90th percentile		Maximum Daily		Maximum 90th percentile		Maximum Daily	
Max Limit	40,000 g/min		121,600 g/min		73,600 g/min		96,500 g/min		16,200 g/min		39,500 g/min		200,000 g/min		400,000 g/min	
Date	Max Value	Status	Max Value	Status	Max Value	Status	Max Value	Status	Max Value	Status	Max Value	Status	Max Value	Status	Max Value	Status
01/05/2025	16,828		10,930		45,847		27,553		10,739		8,731		114,092		126,236	
02/05/2025	16,773		26,364		45,847		36,297		10,738		10,692		114,455		192,473	
03/05/2025	16,719		14,892		45,848		32,454		10,742		13,039		114,601		165,591	
04/05/2025	16,680		37,616		45,848		28,571		10,739		9,984		114,455		99,752	
05/05/2025	16,652		39,088		45,773		32,575		10,710		13,134		113,550		113,550	
06/05/2025	16,628		72,417		45,703		29,073		10,694		7,476		113,352		110,789	
07/05/2025	16,619		52,508		45,691		37,568		10,662		10,795		113,047		91,007	
08/05/2025	16,614		49,765		45,651		46,267		10,662		9,038		112,373		94,660	
09/05/2025	16,471		14,837		45,624		48,516		10,672		11,885		112,357		85,223	
10/05/2025	16,306		22,893		45,625		42,741		10,644		11,463		112,367		80,396	
11/05/2025	16,128		20,066		45,626		47,006		10,644		11,959		112,357		83,795	
12/05/2025	16,095		19,167		45,581		44,710		10,644		17,731		112,367		83,991	
13/05/2025	16,075		20,381		45,549		46,322		10,672		21,671		112,367		80,057	
14/05/2025	16,082		19,386		45,553		51,260		10,671		18,969		112,367		81,828	
15/05/2025	16,072		33,144		45,581		50,190		10,671		55,168		112,367		75,629	
16/05/2025	15,959		27,157		45,618		51,647		10,678		28,258		112,367		71,701	
17/05/2025	15,941		27,980		45,502		46,554		10,710		14,506		112,558		148,778	
18/05/2025	15,921		13,707		45,394		43,622		10,710		11,433		113,056		151,883	
19/05/2025	15,918		11,222		45,408		47,832		10,702		13,108		112,766		129,096	
20/05/2025	15,933		28,063		45,331		50,255		10,721		16,066		112,651		112,451	
21/05/2025	15,933		8,147		45,253		49,813		10,734		18,558		112,667		78,589	
22/05/2025	15,904		7,859		45,265		55,532		10,815		22,289		112,651		79,258	
23/05/2025	15,853		21,836		45,357		57,078		10,848		16,637		112,667		82,006	
24/05/2025	15,754		39,898		45,329		51,083		10,868		14,882		112,785		117,372	
25/05/2025	15,681		22,784		45,211		52,251		10,919		16,894		113,227		203,763	
26/05/2025	15,711		64,110		45,107		46,606		10,927		13,353		112,934		78,667	
27/05/2025	15,725		25,667		45,093		47,148		10,935		11,565		112,570		71,072	
28/05/2025	15,628		31,482		45,055		53,208		10,964		16,279		112,378		118,224	
29/05/2025	15,492		31,881		45,000		49,565		10,999		22,885		112,196		78,073	
30/05/2025	15,428		27,585		44,991		44,665		10,986		11,109		112,196		105,102	
31/05/2025	15,454		31,922		45,041		47,637		11,001		12,989		112,196		107,254	

Monitoring System Availability

No monitoring system failures were recorded in May 2025.

Details of any exceedances of discharge limits

Biannual stack emissions and correlation testing of Stage 1 (Units 1 and 2) was undertaken during May 2025. Testing occurred each week of May from Monday through to Thursday (inclusive) between the hours of 1500 and 2300.

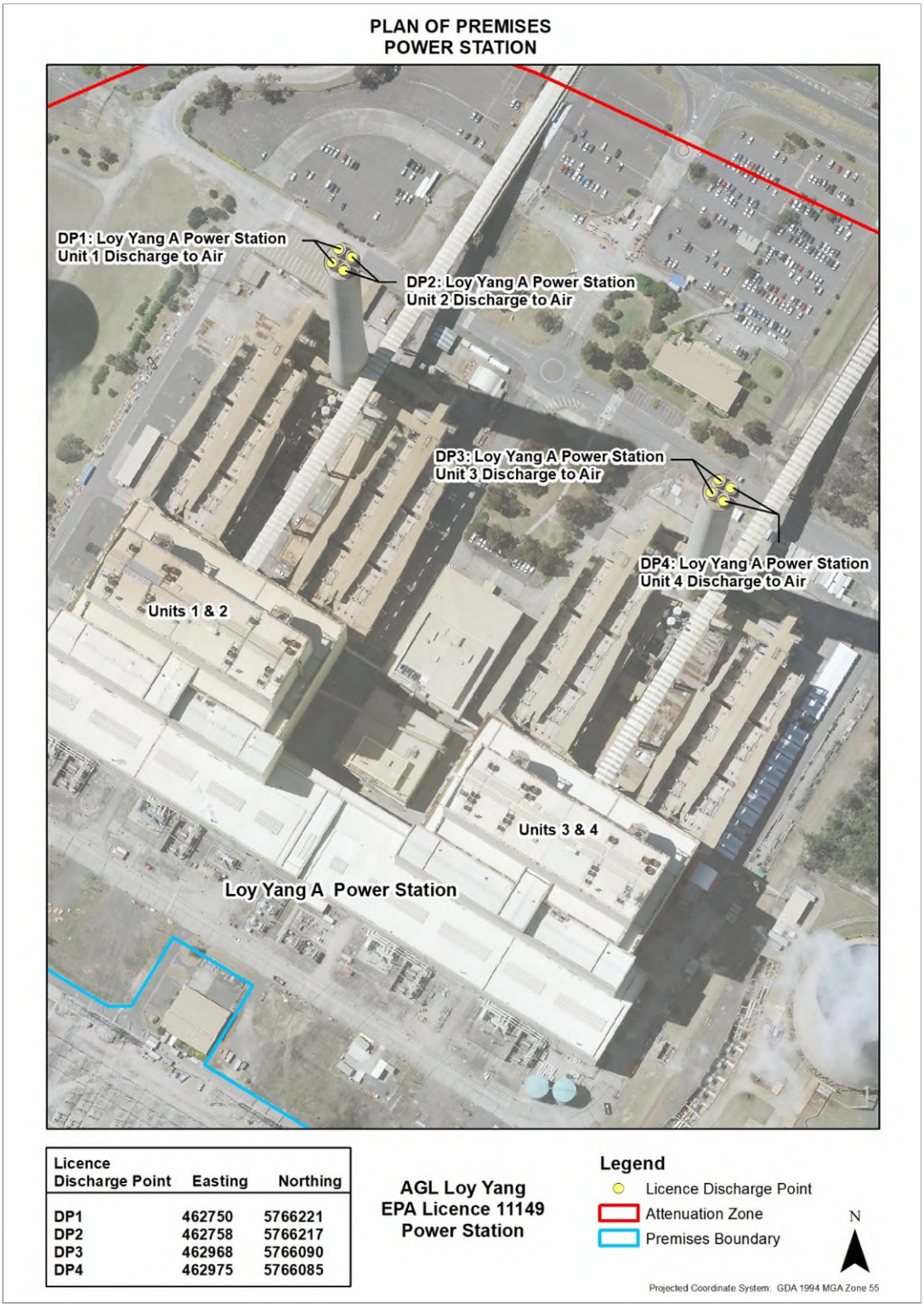
Sampling was conducted as per Victorian EPA directive and is based on the methodology of 'Performance Specification 11 – Specifications and Test Procedures for Particulate Matter Continuous Emission Monitoring Systems (CEMS) at Stationary Sources'. This stipulates a minimum of 15 valid points be undertaken over a range of particulate matter CEMS responses that correspond to normal operating conditions. Several dust levels (Low, Mid, High) will be obtained across this range on each flue. To achieve the mid and high dust levels, the Electrostatic Dust Precipitators (EDPs) are manipulated to allow dust to pass through zones and effectively break through the system.

On Thursday 15 May 2025 during the above mentioned stack emission testing between the hours of 18:30 and 21:30, Unit 2 exceeded the licence 30-minute particles concentration limit via the Power Station Stack Licence Discharge Point DP2 as well as the maximum daily discharge limit for particles.

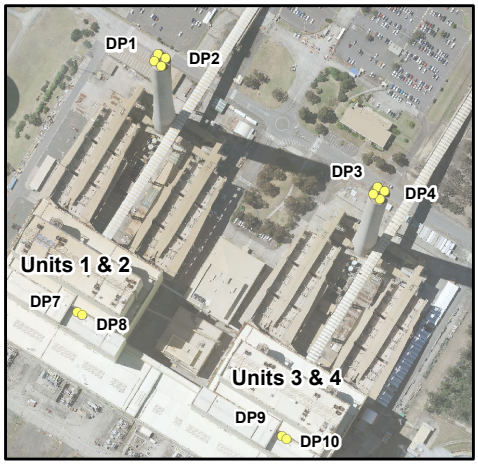
Details of any corrections made to previous reports

No corrections have been made to any previous reports.

AGL Loy Yang Site Plan

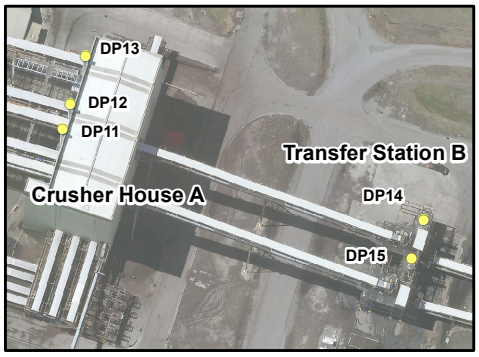


PLAN OF PREMISES



Enlargement A
Loy Yang A Power Station

Licence Discharge Point	Easting	Northing
L160	460010	5769368
L171	460022	5765887
DP1	462750	5766221
DP2	462758	5766217
DP3	462968	5766090
DP4	462975	5766085
DP7	462670	5765965
DP8	462675	5765963
DP9	462872	5765842
DP10	462878	5765840
DP11	463507	5766308
DP12	463510	5766316
DP13	463515	5766332
DP14	463627	5766278
DP15	463623	5766265



Enlargement B
Cusher House A & Transfer Station B

TRARALGON TOWNSHIP
L160 Licence Discharge Point
LCC Transfer Station
Traralgon Creek
LOY YANG MINE
Old Hyland Highway
Traralgon Creek Road
See Enlargement B
See Enlargement A
Hyland Highway
Scales Road
Mattingly Hill Road
Settling Pond
L171 Licence Discharge Point
Hyland Highway
A Station
B Station
OB Runoff Pond
Ash Pond
Fire Service Dam
LOY YANG OVERBURDEN DUMP
Traralgon Creek Road
Flora Reserve
LCC Landfill Site

Legend

- Licence Discharge Point
- Attenuation Zone
- Premises Boundary

AGL Loy Yang
EPA Licence 11149

N

Projected Coordinate System: GDA 1994 MGA Zone 55