

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 December 2023 to 31 December 2023



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 (SO₂), oxides of nitrogen (NO_x), 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

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
01/12/2023	12,732		23,886		48,407		45,791		9,666		11,860		122,511		93,314	
02/12/2023	12,732		8,870		48,407		44,820		9,664		10,761		122,511		88,932	
03/12/2023	12,706		15,138		48,407		42,882		9,659		13,475		122,511		89,664	
04/12/2023	12,680		2,522		48,433		53,424		9,632		11,026		122,511		84,312	
05/12/2023	12,680		36,991		48,450		49,348		9,598		22,040		122,511		77,723	
06/12/2023	12,712		48,193		48,450		40,489		9,564		5,521		122,153		56,247	
07/12/2023	12,719		46,394		48,450		45,607		9,532		7,624		122,130		94,346	
08/12/2023	12,721		23,789		48,450		47,244		9,502		5,792		122,130		111,893	
09/12/2023	12,715		25,931		48,450		42,099		9,483		4,660		122,130		65,245	
10/12/2023	12,706		38,944		48,446		42,290		9,449		4,372		122,130		68,391	
11/12/2023	12,624		16,803		48,446		42,169		9,407		4,208		122,130		81,787	
12/12/2023	12,706		33,861		48,442		41,393		9,387		5,292		122,130		106,571	
13/12/2023	12,719		22,498		48,442		44,523		9,357		7,126		122,087		85,135	
14/12/2023	12,715		26,743		48,442		41,689		9,332		5,912		122,042		84,846	
15/12/2023	12,664		19,604		48,442		38,452		9,325		5,969		121,939		120,127	
16/12/2023	12,613		38,261		48,442		38,672		9,325		7,007		121,661		141,353	
17/12/2023	12,624		48,315		48,442		42,384		9,307		6,672		121,520		82,110	
18/12/2023	12,655		40,566		48,442		42,839		9,305		7,328		121,363		95,200	
19/12/2023	12,725		28,096		48,442		36,696		9,305		4,666		121,363		71,883	
20/12/2023	12,735		45,696		48,442		36,688		9,303		5,212		121,359		53,644	
21/12/2023	12,767		42,010		48,442		38,014		9,303		8,410		121,359		74,591	
22/12/2023	12,807		27,665		48,442		39,280		9,307		10,167		121,359		74,647	
23/12/2023	12,916		42,182		48,443		40,567		9,324		13,276		121,359		86,511	
24/12/2023	12,978		24,039		48,443		41,011		9,341		10,361		121,359		87,950	
25/12/2023	12,977		2,288		48,443		31,597		9,342		9,683		121,363		122,479	
26/12/2023	13,009		43,879		48,442		43,300		9,353		15,869		121,527		170,133	
27/12/2023	13,061		21,190		48,423		46,120		9,373		13,242		121,703		152,916	
28/12/2023	13,071		18,322		48,408		44,461		9,394		15,426		122,048		159,057	
29/12/2023	13,052		17,788		48,408		43,793		9,400		14,351		122,048		111,343	
30/12/2023	13,009		13,934		48,408		37,960		9,400		11,607		122,048		79,960	
31/12/2023	13,009		10,455		48,408		36,038		9,403		9,985		122,048		79,704	

Monitoring System Availability

No monitoring system failures were recorded in December 2023.

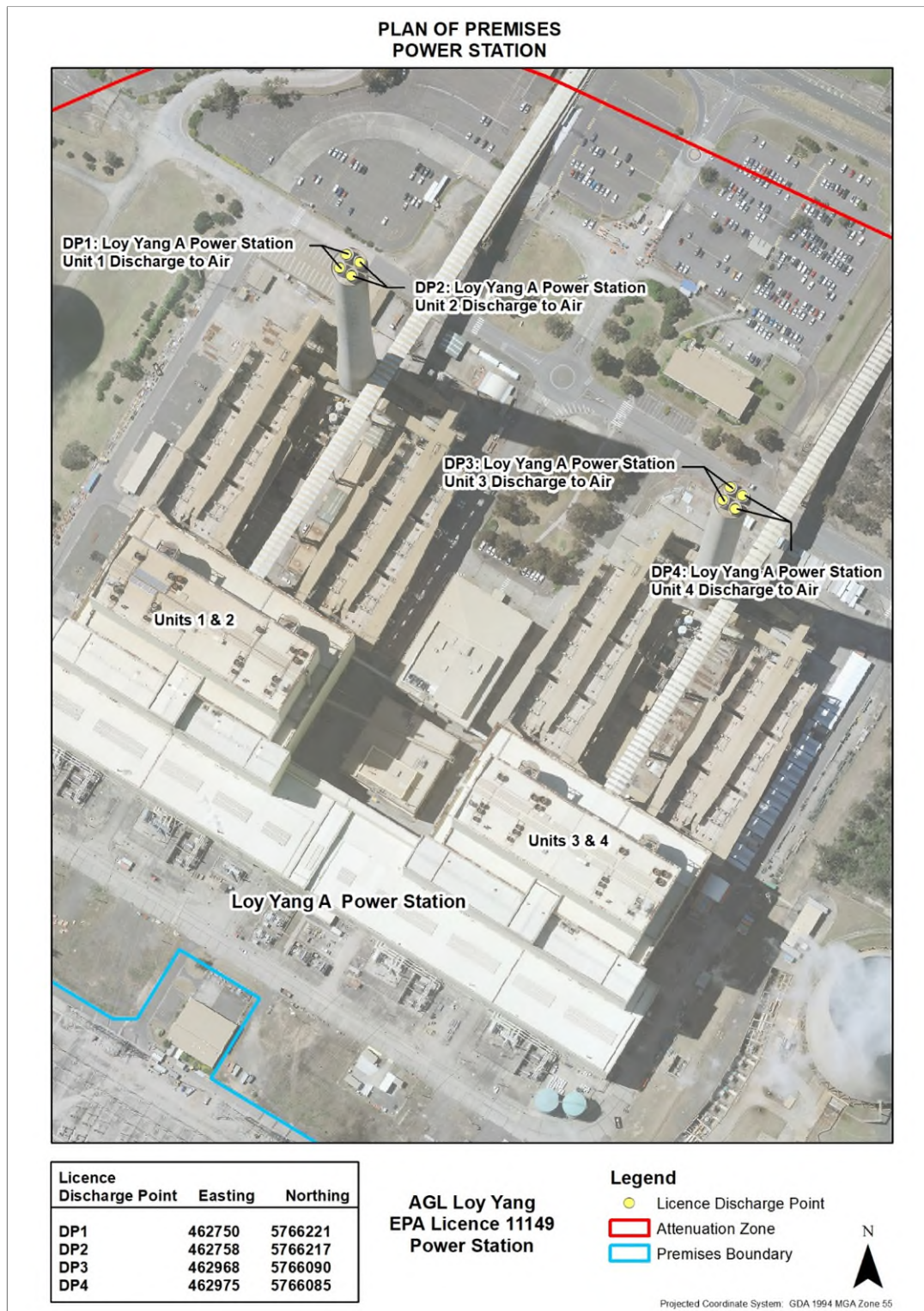
Details of any exceedances of discharge limits

No exceedances of licence condition OL_DA01.10.02 discharge limits were recorded in December 2023.

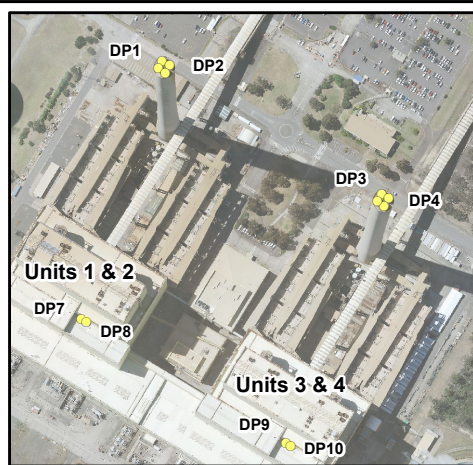
Details of any corrections made to previous reports

No corrections have been made to any previous reports.

AGL Loy Yang Site Plan

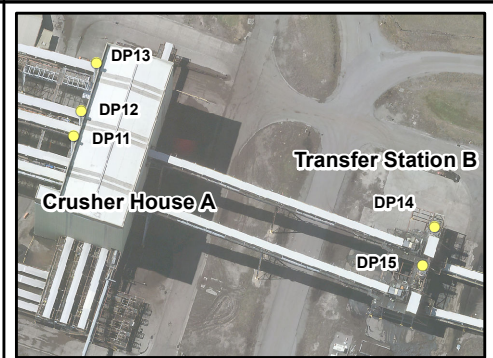


PLAN OF PREMISES

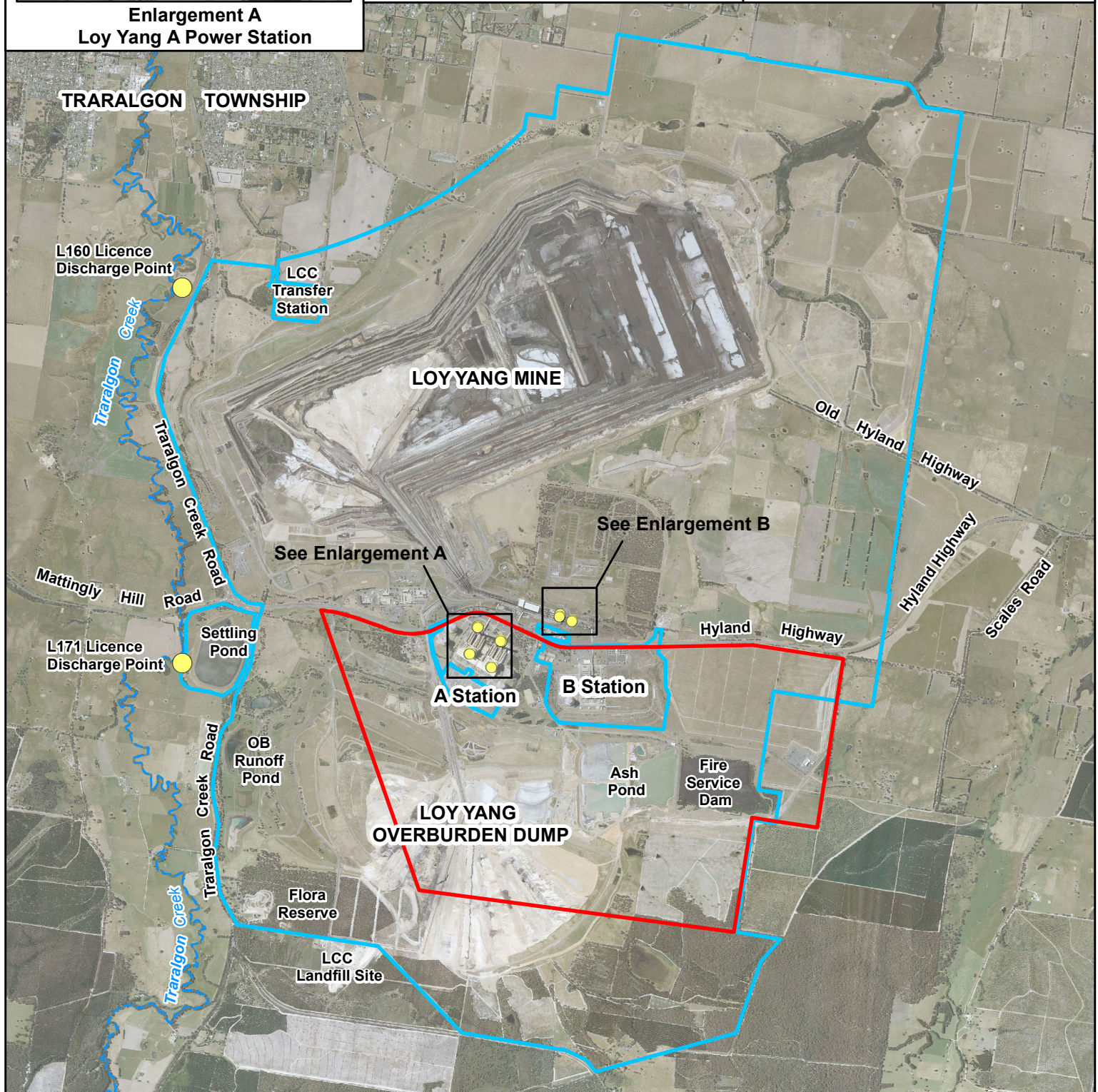


Enlargement A
Loy Yang A Power Station

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



Legend

- Licence Discharge Point
- Attenuation Zone
- Premises Boundary

AGL Loy Yang
EPA Licence 11149

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