Monthly Environmental Monitoring Data Report

EPL Number:	13007
EPL Holder:	EnergyAustralia NSW
EPL Name of Facility:	MOUNT PIPER POWER STATION
EPL Address of Facility:	350 BOULDER RD PORTLAND, NSW 2847
EPL Website link:	Environment & Heritage | POEO Licences, Application and Notice Detail (nsw.gov.au)
EPL Monitoring Locations:	https://www.energyaustralia.com.au/about-us/energy-generation/mt-piper-power-station/mt-piper-epa-reports
EPL Unit of measure abbreviations:	https://www.energyaustralia.com.au/about-us/energy-generation/mt-piper-power-station/mt-piper-epa-reports
EPL Period monitored:	1 – 31 January 2025
Monthly Summary Status:	Complete: monitoring data obtained.

Compliance Summary:

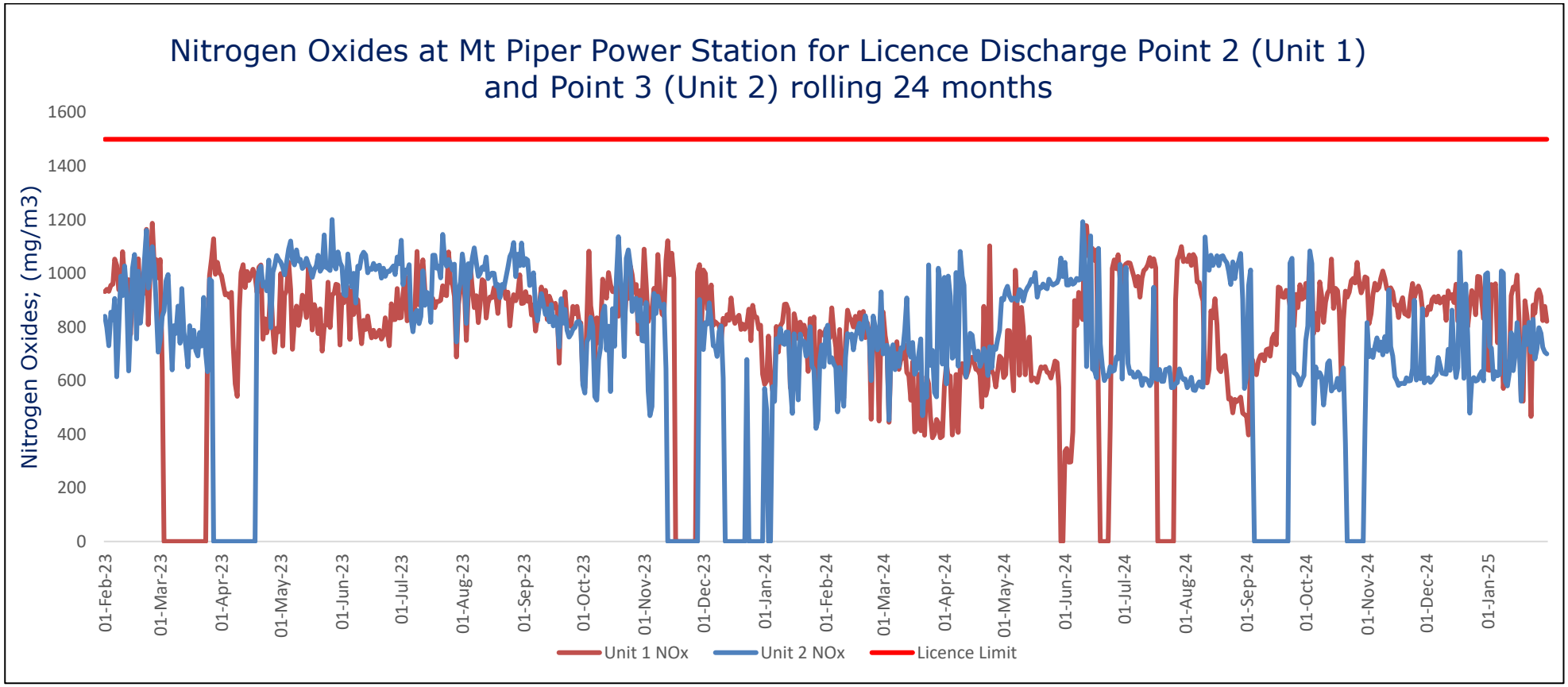
Were all licence monitoring limits met:	YES

Details of any licence monitoring limit not met:

License Point #	Air/Water/Noise	Pollutant	Value measured	Licence limit	Comments
-	-	-	-	-	-

Report creation date: 14 February 2025

NR = Not Required, ND = No Data,



Note: Gap in data is due to periods when the unit was shut down, or the monitoring equipment was offline.

Source: Data is obtained from the Quarterly Stack testing conducted by Ektimo.

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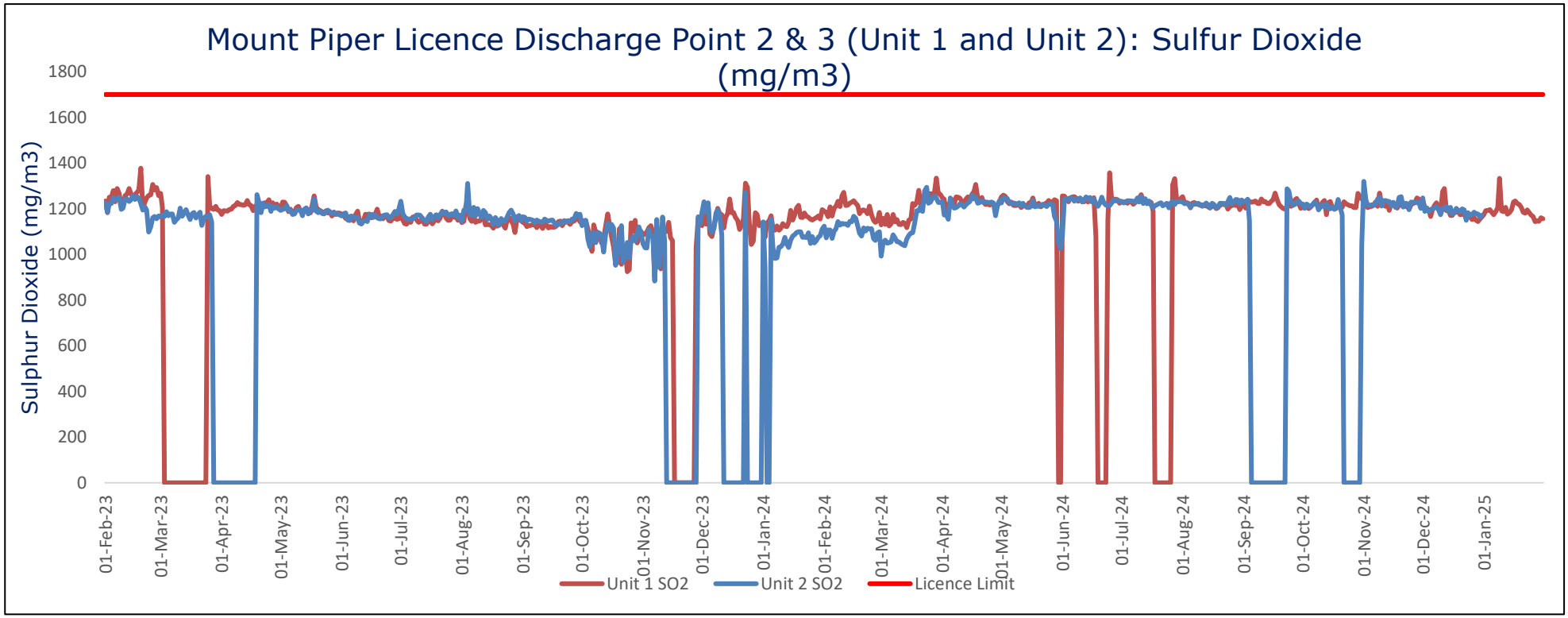

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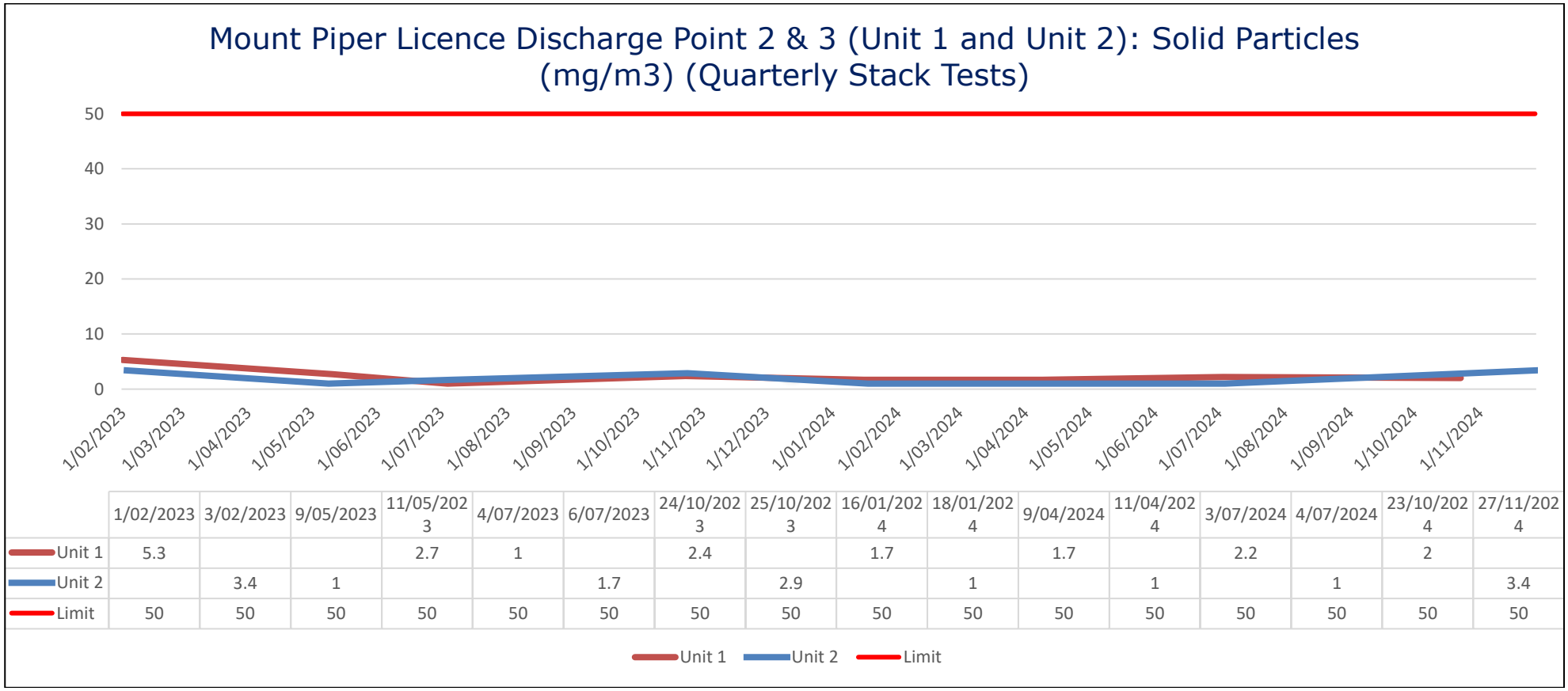

	1/02/2023	3/02/2023	9/05/2023	11/05/2023	4/07/2023	6/07/2023	24/10/2023	25/10/2023	16/01/2024	18/01/2024	9/04/2024	11/04/2024	3/07/2024	4/07/2024	23/10/2024	27/11/2024
Unit 1	5.3			2.7	1		2.4		1.7		1.7		2.2		2	
Unit 2		3.4	1			1.7		2.9		1		1		1		3.4
Limit	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50

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Discharge to water

Table 1 - Water Quality at EPL Point 12

2025	Samples required by EPL (1/mth during discharge)	No. of samples during month	Conductivity (µS/cm)		Oil & Grease (mg/L)		pH		Total Suspended Solids (mg/L)		Turbidity (NTU)		Compliant	Comment
			Result	Limit	Result	Limit	Result	Limit	Result	Limit	Result	Limit		
January	1	2	414	500	<5	10	7.32	6.5-8.5	3.33	50	3.17	25	Yes	Flow / Discharge recorded week of 9/01/2025
			434		<5		7.50		15.67		19.90		Yes	Flow / Discharge recorded week of 14/01/2025
February				500		10		6.5-8.5		50		25		
March				500		10		6.5-8.5		50		25		
April				500		10		6.5-8.5		50		25		
May				500		10		6.5-8.5		50		25		
June				500		10		6.5-8.5		50		25		
July				500		10		6.5-8.5		50		25		
August				500		10		6.5-8.5		50		25		
September				500		10		6.5-8.5		50		25		
October				500		10		6.5-8.5		50		25		
November				500		10		6.5-8.5		50		25		
December				500		10		6.6-8.5		50		25		

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Air Emissions

Table 2 - Nitrogen Oxides (NO_x) Monitoring at EPL Points 2 and 3

2025	No. of samples required by licence	No. of samples during Month	EPL Point	Lowest sample value (mg/m³, hourly average)	Mean of sample (mg/m³)	Highest sample value (mg/m³, hourly average)	Limit (mg/m³, hourly average)	99th percentile			Compliant
								Limit (mg/m³)	87 1-hr averaging periods/yr	1hr averaging periods > limit	
January	Continuous	Continuous	2	230	556	994	1500	1,100	87	0	Yes
			3	275	475	1009			87	0	Yes
February	Continuous	Continuous	2				1500	1,100		0	
			3							0	
March	Continuous	Continuous	2				1500	1,100		0	
			3							0	
April	Continuous	Continuous	2				1500	1,100		0	
			3							0	
May	Continuous	Continuous	2				1500	1,100		0	
			3							0	
June	Continuous	Continuous	2				1500	1,100		0	
			3							0	
July	Continuous	Continuous	2				1500	1,100		0	
			3							0	
August	Continuous	Continuous	2				1500	1,100		0	
			3							0	
September	Continuous	Continuous	2				1500	1,100		0	
			3							0	
October	Continuous	Continuous	2				1500	1,100		0	
			3							0	
November	Continuous	Continuous	2				1500	1,100		0	
			3							0	
December	Continuous	Continuous	2				1500	1,100		0	
			3							0	

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Table 3 - Sulphur Dioxides (SO_2) Monitoring at EPL Points 2 and 3

2025	No. of samples required by licence	No. of samples during Month	EPL Point	Lowest sample value (mg/m^3, hourly average)	Mean of sample (mg/m^3)	Highest sample value (mg/m^3, hourly average)	Limit (mg/m^3, hourly average)	99th percentile			Compliant
								Limit (mg/m^3)	87 1-hr averaging periods/yr	1hr averaging periods > limit	
January	Continuous	Continuous	2	740	1147	1332	1700	1,400	87	0	Yes
			3	760	1155	1224			87	0	Yes
February	Continuous	Continuous	2				1700	1,400		0	
			3							0	
March	Continuous	Continuous	2				1700	1,400		0	
			3							0	
April	Continuous	Continuous	2				1700	1,400		0	
			3							0	
May	Continuous	Continuous	2				1700	1,400		0	
			3							0	
June	Continuous	Continuous	2				1700	1,400		0	
			3							0	
July	Continuous	Continuous	2				1700	1,400		0	
			3							0	
August	Continuous	Continuous	2				1700	1,400		0	
			3							0	
September	Continuous	Continuous	2				1700	1,400		0	
			3							0	
October	Continuous	Continuous	2				1700	1,400		0	
			3							0	
November	Continuous	Continuous	2				1700	1,400		0	
			3							0	
December	Continuous	Continuous	2				1700	1,400		0	
			3							0	

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Table 4 - Oxygen (O2), Temperature & Moisture Monitoring at EPL Points 2 and 3

2025	No. of samples required by licence	No. of samples during Month	EPL Point	Oxygen			Temperature			Moisture		
				Lowest sample value (%, hourly average)	Mean of sample (%)	Highest sample value (%, hourly average)	Lowest sample value (°C, hourly average)	Mean of sample (°C)	Highest sample value (°C, hourly average)	Lowest sample value (H_2O, hourly average)	Mean of sample (H_2O)	Highest sample value (H_2O, hourly average)
January	Continuous	Continuous	2	6.0	9.0	11.0	105	117	131	4.4	6.9	8.7
			3	6.6	9.5	11.6	105	114	131	4.1	6.6	8.2
February	Continuous	Continuous	2									
			3									
March	Continuous	Continuous	2									
			3									
April	Continuous	Continuous	2									
			3									
May	Continuous	Continuous	2									
			3									
June	Continuous	Continuous	2									
			3									
July	Continuous	Continuous	2									
			3									
August	Continuous	Continuous	2									
			3									
September	Continuous	Continuous	2									
			3									
October	Continuous	Continuous	2									
			3									
November	Continuous	Continuous	2									
			3									
December	Continuous	Continuous	2									
			3									

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Table 5 – Quarterly Stack Emissions Monitoring at EPL Points 2 and 3

2025	No. of samples required by EPL per year	EPL Point	Samples taken (year to date)	Result				Limit	Compliant
				Q1	Q2	Q3	Q4		
Solid Particles (mg/m^3)	4	2	1	TBC				50	Yes
		3	1	TBC					Yes

Table 6 – Six Monthly Stack Emissions Monitoring at EPL Points 2 and 3

2025	No. of samples required by EPL per year	EPL Point	Samples taken (year to date)	Result		Limit	Compliant
				Jan - Jun	Jul - Dec		
Carbon Dioxide (%)	2	2	1			-	
		3	1			-	
Cadmium (mg/m^3)	2	2	1	TBC		0.03	Yes
		3	1	TBC			Yes
Mercury (mg/m^3)	2	2	1	TBC		0.03	Yes
		3	1	TBC			Yes
Type 1 and Type 2 substances in aggregate (mg/m^3)	2	2	1	TBC		0.60	Yes
		3	1	TBC			Yes
Hydrogen Chloride (mg/m^3)	2	2	1			50	
		3	1				
Fluorine (mg/m^3)	2	2	1			30	
		3	1				
Chlorine (mg/m^3)	2	2	1			4	
		3	1				
Sulfuric Acid Mist and Sulfur Trioxide as SO^3 (mg/m^3)	2	2	1			100	
		3	1				
Volatile Organic Compounds as n-propane equivalent (mg/m^3)	2	2	1			8	
		3	1				

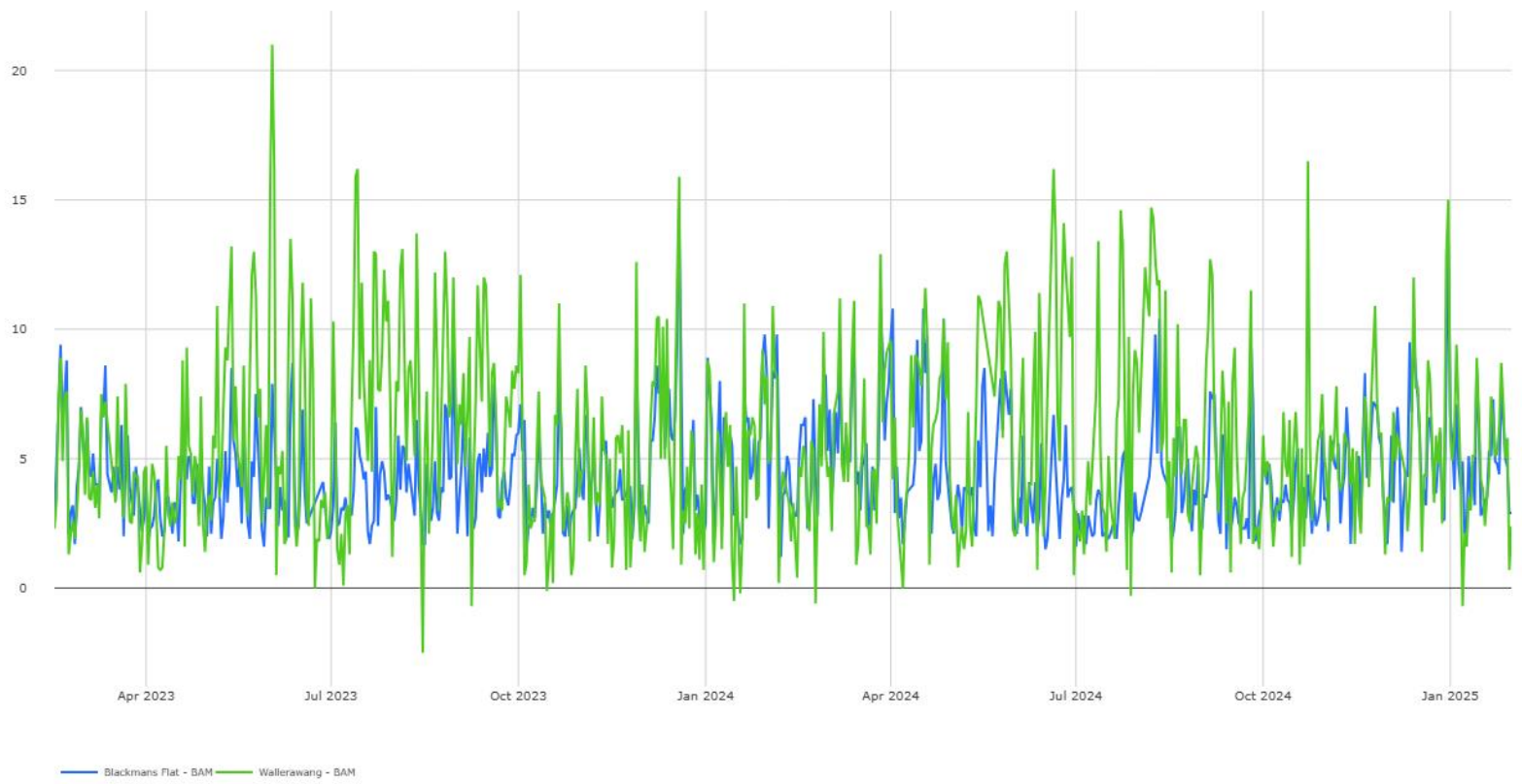
TBC = To Be Confirmed (Sample has been collected, not yet received by EA at the time of publishing this report). ed

Mt Piper Power Station– Ambient Air Quality Data December 2024

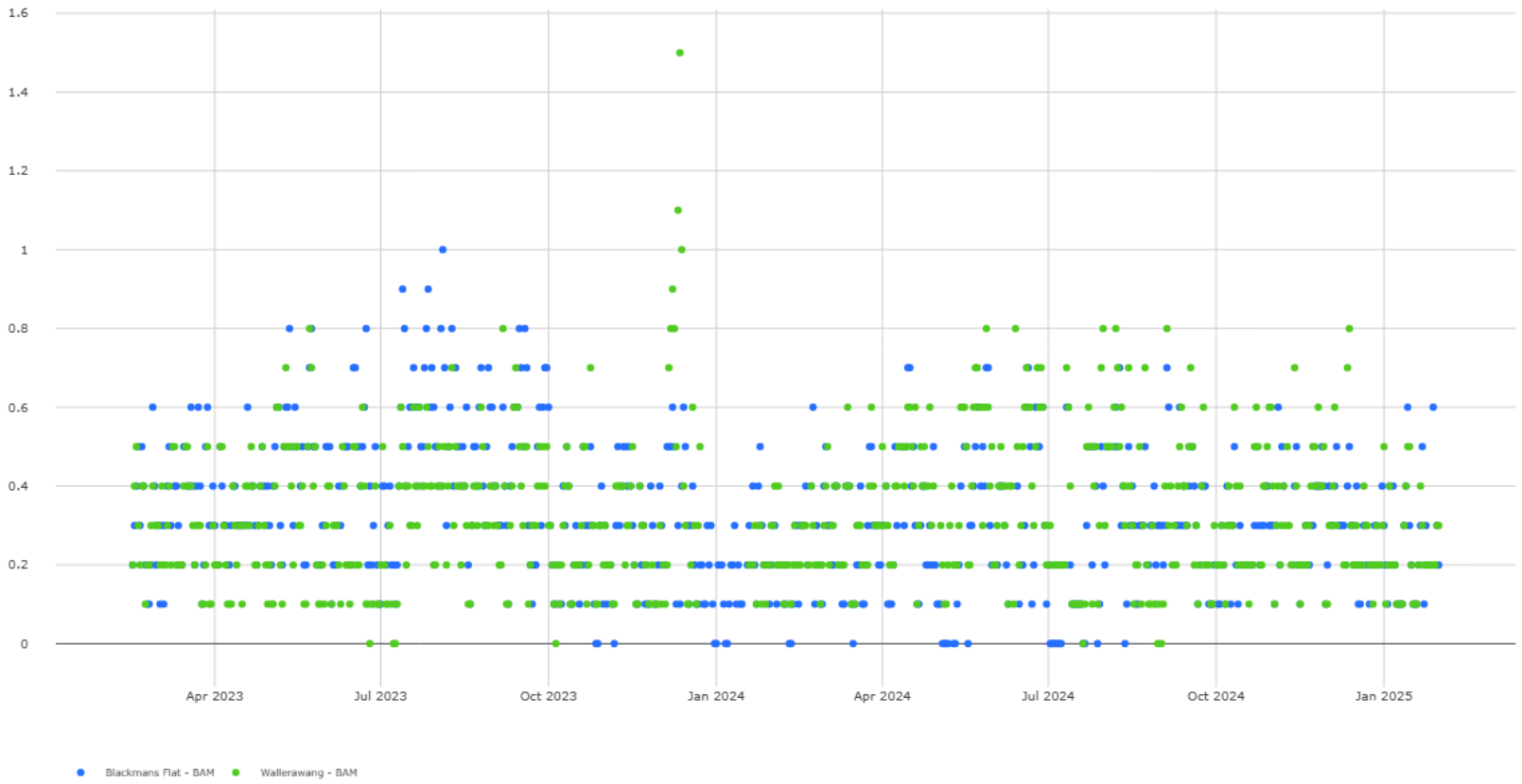
Table 1 – Blackmans Flat, Wallerawang & Newnes

2024	No. of samples required by licence	No. of samples during Month	Parameter	Blackmans Flat			Wallerawang			Newnes		
				Min Daily Reading	Monthly Average	Max Daily Reading	Min Daily Reading	Monthly Average	Max Daily Reading	Blank	Newnes1	Newnes2
December	Continuous	Continuous	SO_2 (pphm)	0.0	0.2	0.5	0.0	0.0	0.5	<0.9	<0.9	1.0
			NO_2 (pphm)	0.2	0.5	0.8	0.2	0.5	1.5	<0.6	<0.6	<0.6
			PM2.5 (µg/mg^3)	1.4	5.4	13.4	1.4	5.9	15.0	NR	NR	NR

MPPS Blackmans Flat & Wallerawang Ambient Stations PM2.5 (µg/m³) Daily Average – 24 Months Rolling



MPPS Blackmans Flat & Wallerawang Ambient Stations NO2 pphm Daily Average - 24 Months Rolling



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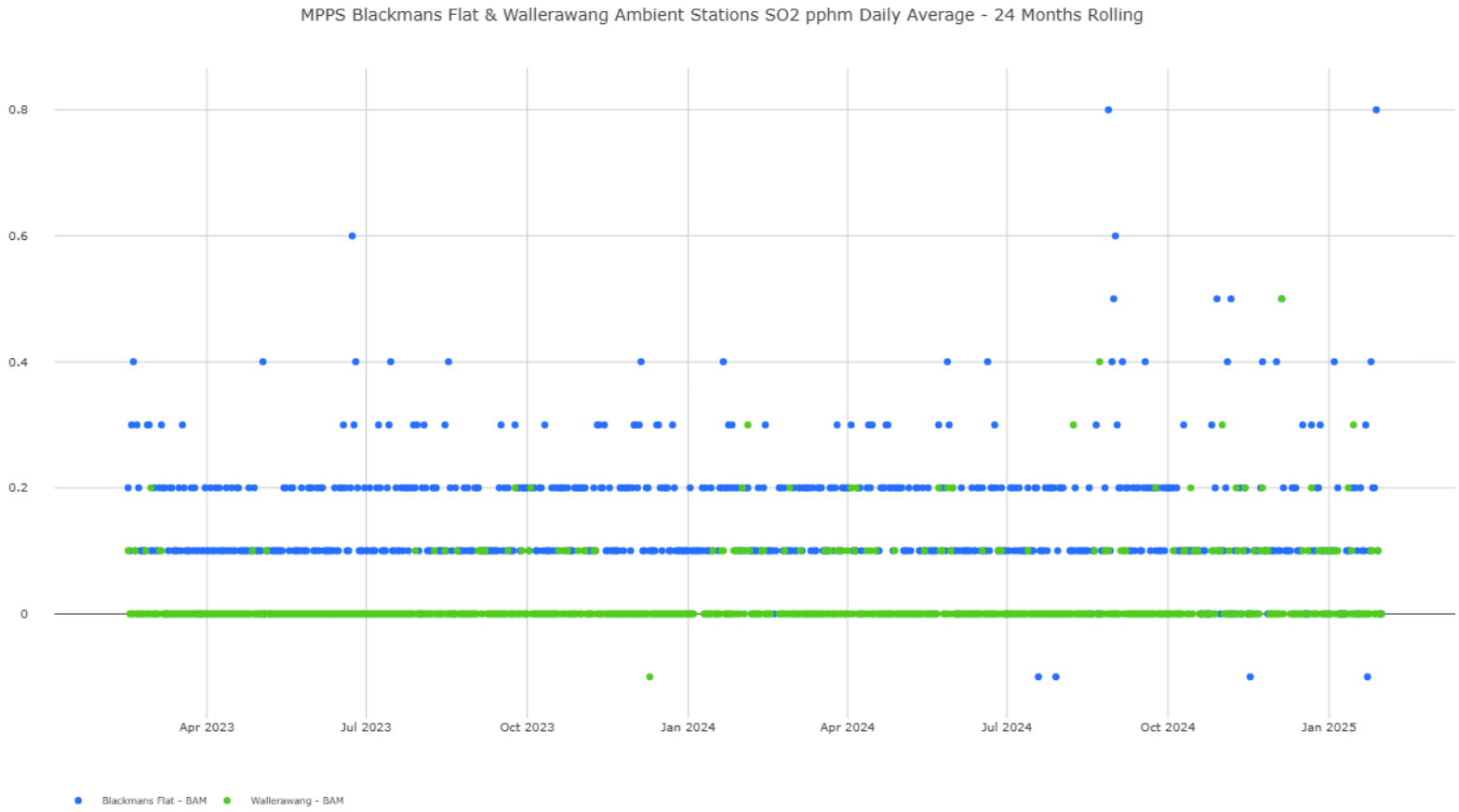

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