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 – 28 February 2025
Monthly Summary Status:	Complete: monitoring data obtained.

Compliance Summary:

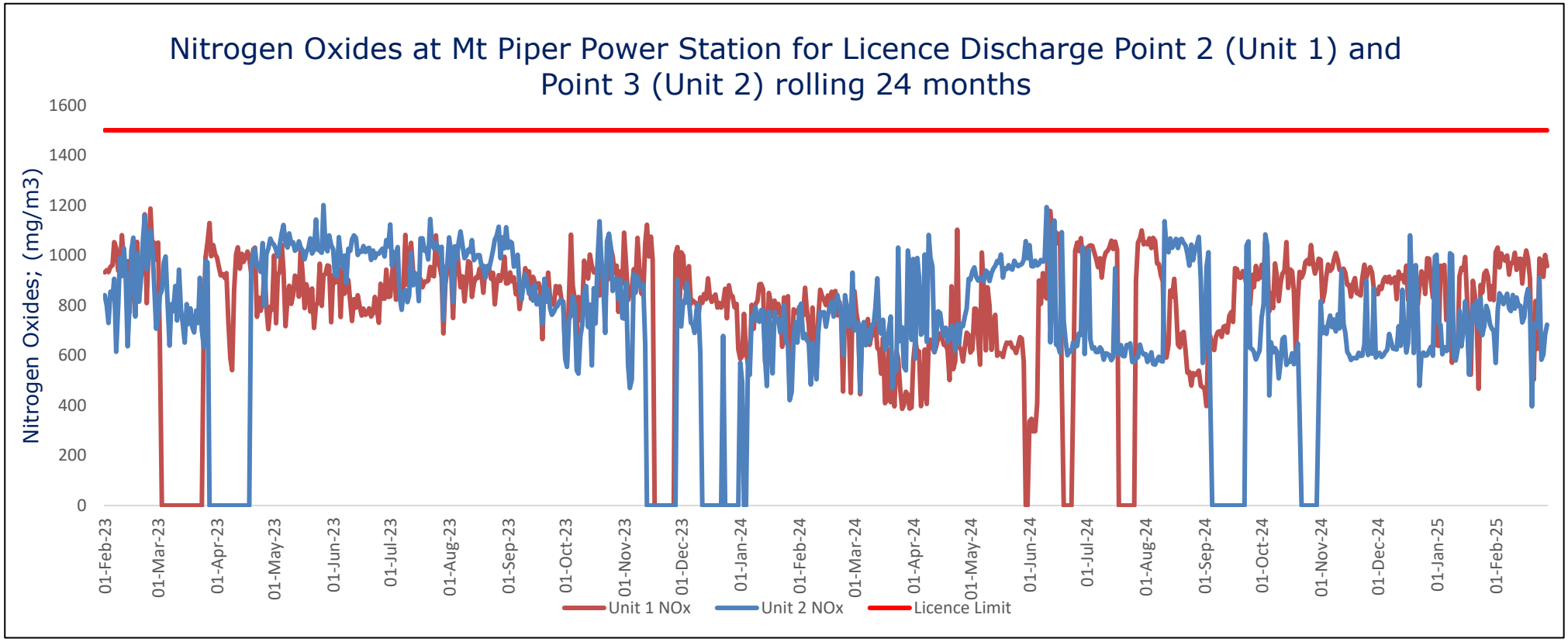
Were all licence monitoring limits met:	YES

Details of any licence monitoring limit not met:

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

Report creation date: 17 March 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 Continuous Emission Monitoring System.

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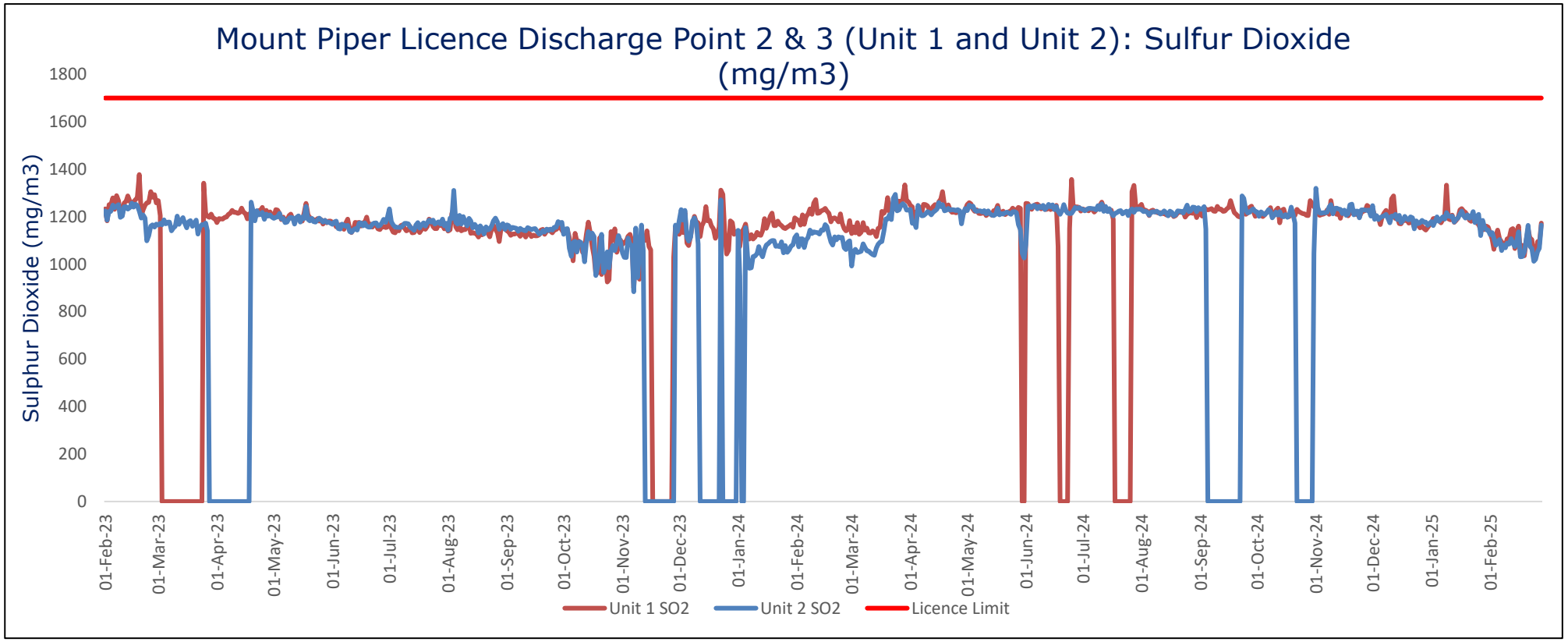

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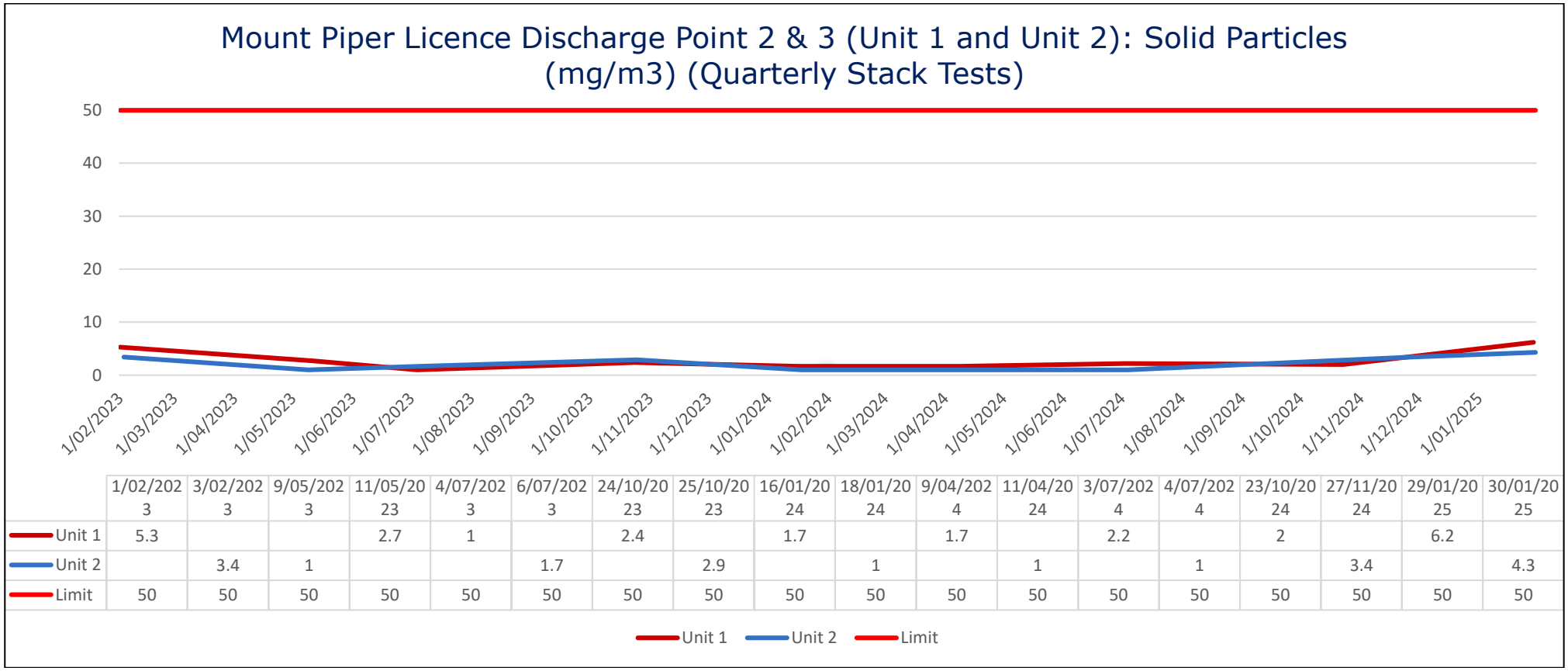

	1/02/2023	3/02/2023	9/05/2023	11/05/2023	4/07/2023	6/07/2023	24/10/2023	25/10/2023	16/01/2024	18/01/2024	9/04/2024	11/04/2024	3/07/2024	4/07/2024	23/10/2024	27/11/2024	29/01/2025	30/01/2025
Unit 1	5.3			2.7	1		2.4		1.7		1.7		2.2		2		6.2	
Unit 2		3.4	1			1.7		2.9		1		1		1		3.4		4.3
Limit	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50

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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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	1	2	366	500	<4	10	7.37	6.5-8.5	5.00	50	4.58	25	Yes	Flow / Discharge recorded week of 12/02/2025
			471		<4		7.75		1.33		3.87		Yes	Flow / Discharge recorded week of 26/02/2025
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	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	2	230	556	994	1500	1,100	87	0	Yes
		3	275	475	1009			87	0	Yes
February	Continuous	2	252	644	1032	1500	1,100	87	0	Yes
		3	242	507	912			87	0	Yes
March	Continuous	2				1500	1,100		0	
		3							0	
April	Continuous	2				1500	1,100		0	
		3							0	
May	Continuous	2				1500	1,100		0	
		3							0	
June	Continuous	2				1500	1,100		0	
		3							0	
July	Continuous	2				1500	1,100		0	
		3							0	
August	Continuous	2				1500	1,100		0	
		3							0	
September	Continuous	2				1500	1,100		0	
		3							0	
October	Continuous	2				1500	1,100		0	
		3							0	
November	Continuous	2				1500	1,100		0	
		3							0	
December	Continuous	2				1500	1,100		0	
		3							0	

Source: Data is obtained from Continuous Emission Monitoring System

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

2025	No. of samples required by licence	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	2	740	1147	1332	1700	1,400	87	0	Yes
		3	760	1155	1224			87	0	Yes
February	Continuous	2	772	1035	1173	1700	1,400	87	0	Yes
		3	785	1027	1165			87	0	Yes
March	Continuous	2				1700	1,400		0	
		3							0	
April	Continuous	2				1700	1,400		0	
		3							0	
May	Continuous	2				1700	1,400		0	
		3							0	
June	Continuous	2				1700	1,400		0	
		3							0	
July	Continuous	2				1700	1,400		0	
		3							0	
August	Continuous	2				1700	1,400		0	
		3							0	
September	Continuous	2				1700	1,400		0	
		3							0	
October	Continuous	2				1700	1,400		0	
		3							0	
November	Continuous	2				1700	1,400		0	
		3							0	
December	Continuous	2				1700	1,400		0	
		3							0	

Source: Data is obtained from the Continuous Emission Monitoring System

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

2025	No. of samples required by licence	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	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	2	7.4	9.4	14.1	91	115	131	3.7	6.8	8.9
		3	7.6	9.8	14.0	101	113	129	3.7	6.4	8.3
March	Continuous	2									
		3									
April	Continuous	2									
		3									
May	Continuous	2									
		3									
June	Continuous	2									
		3									
July	Continuous	2									
		3									
August	Continuous	2									
		3									
September	Continuous	2									
		3									
October	Continuous	2									
		3									
November	Continuous	2									
		3									
December	Continuous	2									
		3									

Source: Data is obtained from the Continuous Emission Monitoring System

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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	6.2				50	Yes
		3	1	4.3					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	<0.0002		0.03	Yes
		3	1	<0.0002			Yes
Mercury (mg/m^3)	2	2	1	0.0021		0.03	Yes
		3	1	0.00077			Yes
Type 1 and Type 2 substances in aggregate (mg/m^3)	2	2	1	<0.03		0.60	Yes
		3	1	<0.03			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				

Mt Piper Power Station– Ambient Air Quality Data

Table 1 – Blackmans Flat, Wallerawang & Newnes

2025	No. of samples required by licence	Parameter	Blackmans Flat			Wallerawang			Newnes		
			Min Daily Reading	Monthly Average	Max Daily Reading	Min Daily Reading	Monthly Average	Max Daily Reading	Blank	Newnes1	Newnes2
January	Continuous	SO_2 (pphm)	-0.1	0.1	0.8	0.0	0.0	0.3	<0.9	<0.9	<0.9
		NO_2 (pphm)	0.1	0.2	0.6	0.1	0.2	0.5	<0.6	<0.6	<0.6
		PM2.5 (µg/mg^3)	2.1	4.7	8.5	-0.7	4.9	9.4	NR	NR	NR
February	Continuous	SO_2 (pphm)									
		NO_2 (pphm)									
		PM2.5 (µg/mg^3)									
March	Continuous	SO_2 (pphm)									
		NO_2 (pphm)									
		PM2.5 (µg/mg^3)									
April	Continuous	SO_2 (pphm)									
		NO_2 (pphm)									
		PM2.5 (µg/mg^3)									
May	Continuous	SO_2 (pphm)									
		NO_2 (pphm)									
		PM2.5 (µg/mg^3)									
June	Continuous	SO_2 (pphm)									
		NO_2 (pphm)									
		PM2.5 (µg/mg^3)									
July	Continuous	SO_2 (pphm)									
		NO_2 (pphm)									
		PM2.5 (µg/mg^3)									
August	Continuous	SO_2 (pphm)									
		NO_2 (pphm)									
		PM2.5 (µg/mg^3)									
September	Continuous	SO_2 (pphm)									
		NO_2 (pphm)									
		PM2.5 (µg/mg^3)									
October	Continuous	SO_2 (pphm)									
		NO_2 (pphm)									
		PM2.5 (µg/mg^3)									
November	Continuous	SO_2 (pphm)									
		NO_2 (pphm)									
		PM2.5 (µg/mg^3)									

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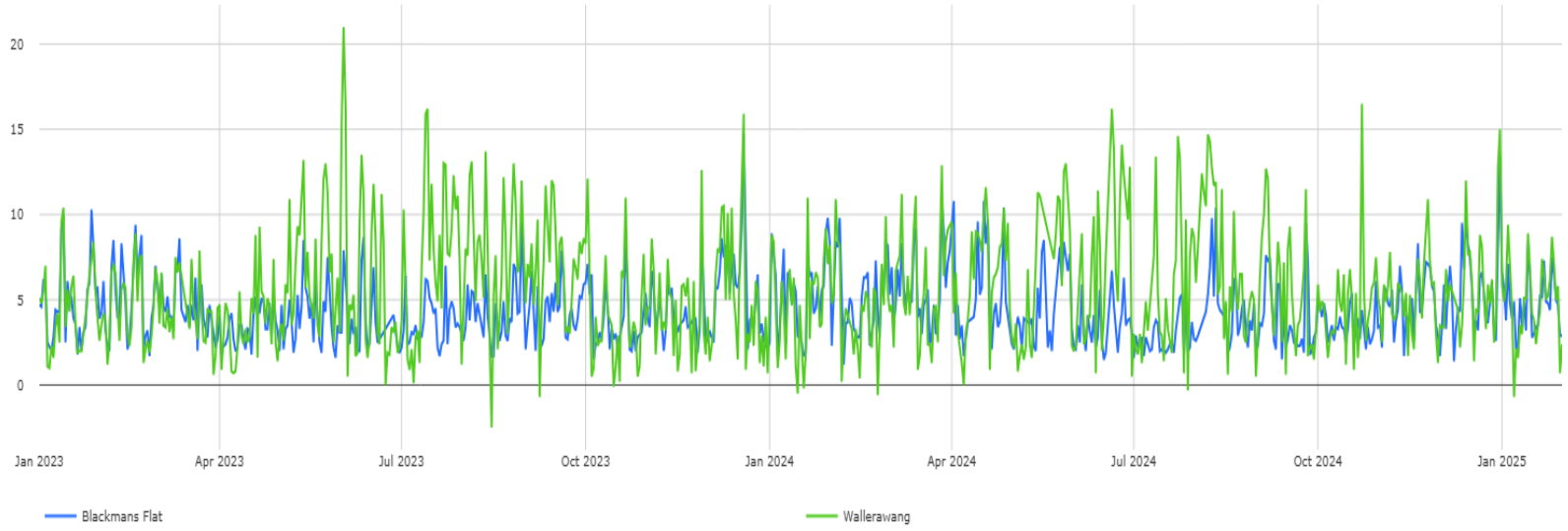
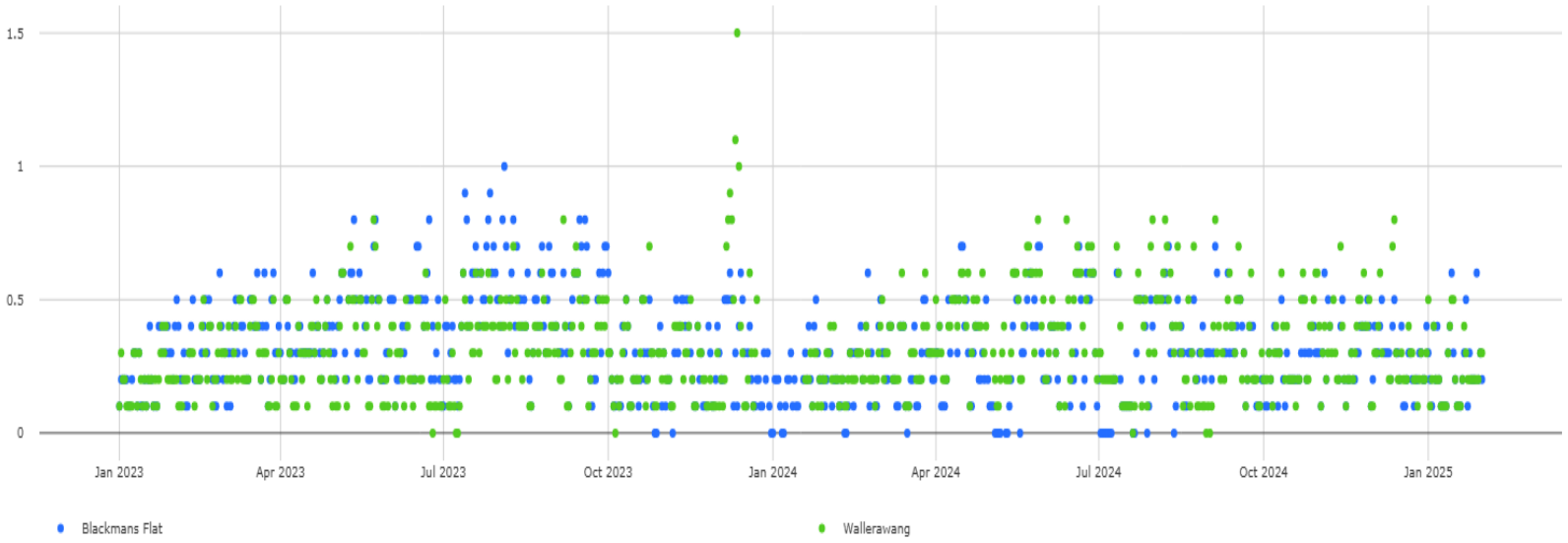
December	Continuous	SO_2 (pphm)										
		NO_2 (pphm)										
		PM2.5 (µg/mg³)										

Source: Data is obtained from the Ambient Air Monthly Report

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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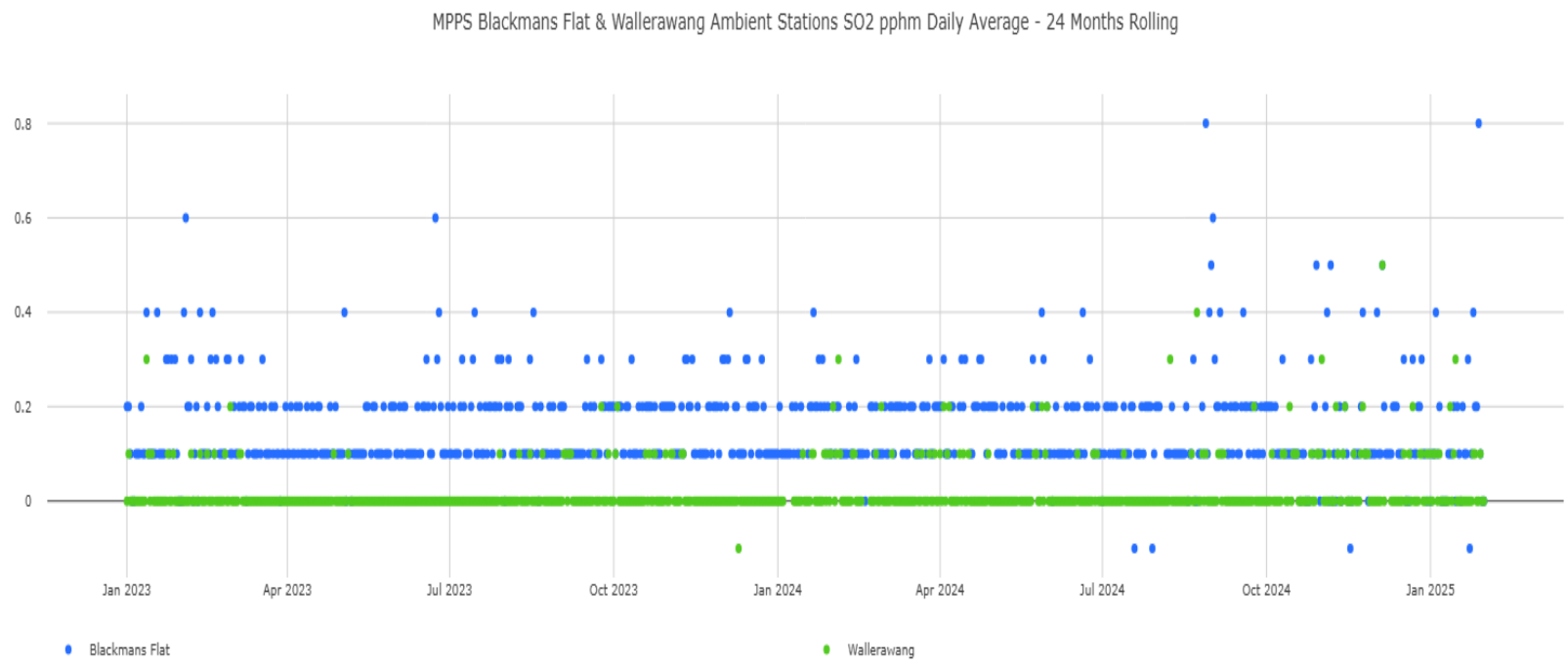

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