

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 \(nsw.gov.au\)](https://www.environment.gov.au/licences/application-and-notice-detail)
 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 2024
 Monthly Summary Status: Complete: monitoring data obtained.

Discharge to water

Table 1 - Water Quality at EPL Point 12

2024	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	267	500	<5	10	7.65	6.5-8.5	3.3	50	2.07	25	Yes	Flow / Discharge recorded week of 8/01/2024
			351		<5		7.21		6.4		8.76		Yes	Flow / Discharge recorded week of 22/01/2024
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		

Air Emissions

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

2024	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)	99 th percentile			Compliant
								Limit (mg/m ³)	87 1-hr averaging periods/yr	1hr averaging periods > limit	
January	Continuous	Continuous	2	275	493	885	1500	1,100	87	No	Yes
			3	228	451	801			87	No	Yes
February	Continuous	Continuous	2				1500	1,100			
			3								
March	Continuous	Continuous	2				1500	1,100			
			3								
April	Continuous	Continuous	2				1500	1,100			
			3								
May	Continuous	Continuous	2				1500	1,100			
			3								
June	Continuous	Continuous	2				1500	1,100			
			3								
July	Continuous	Continuous	2				1500	1,100			
			3								
August	Continuous	Continuous	2				1500	1,100			
			3								
September	Continuous	Continuous	2				1500	1,100			
			3								
October	Continuous	Continuous	2				1500	1,100			
			3								
November	Continuous	Continuous	2				1500	1,100			
			3								
December	Continuous	Continuous	2				1500	1,100			
			3								

Table 3 - Sulphur Dioxides (SO₂) Monitoring at EPL Points 2 and 3

2024	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)	99 th percentile			Compliant
								Limit (mg/m ³)	87 1-hr averaging periods/yr	1hr averaging periods > limit	
January	Continuous	Continuous	2	979	1114	1215	1700	1,400	87	No	Yes
			3	859	1011	1154			87	No	Yes
February	Continuous	Continuous	2				1700	1,400			
			3								
March	Continuous	Continuous	2				1700	1,400			
			3								
April	Continuous	Continuous	2				1700	1,400			
			3								
May	Continuous	Continuous	2				1700	1,400			
			3								
June	Continuous	Continuous	2				1700	1,400			
			3								
July	Continuous	Continuous	2				1700	1,400			
			3								
August	Continuous	Continuous	2				1700	1,400			
			3								
September	Continuous	Continuous	2				1700	1,400			
			3								
October	Continuous	Continuous	2				1700	1,400			
			3								
November	Continuous	Continuous	2				1700	1,400			
			3								
December	Continuous	Continuous	2				1700	1,400			
			3								

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

2024	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 ₂ O, hourly average)	Mean of sample (H ₂ O)	Highest sample value (H ₂ O, hourly average)
January	Continuous	Continuous	2	7.7	9.8	11.6	105	114	126	5.8	7.2	9.5
			3	6.8	8.9	13.4	84	111	124	5.8	7.3	9.8
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									

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

2024	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	1.7				50	Yes
		3	1	<1					Yes

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

2024	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	0			-	
		3	0			-	
Cadmium (mg/m ³)	2	2	1	0.0012		0.2	Yes
		3	1	0.00094			Yes
Mercury (mg/m ³)	2	2	1	0.0032		0.05	Yes
		3	1	0.002			Yes
Type 1 and Type 2 substances in aggregate (mg/m ³)	2	2	1	<0.06		0.75	Yes
		3	1	<0.1			Yes
Hydrogen Chloride (mg/m ³)	2	2	0			50	
		3	0				
Fluorine (mg/m ³)	2	2	0			30	
		3	0				
Chlorine (mg/m ³)	2	2	0			20	
		3	0				
Sulfuric Acid Mist and Sulfur Trioxide as SO ₃ (mg/m ³)	2	2	0			100	
		3	0				
Volatile Organic Compounds as n-propane equivalent (mg/m ³)	2	2	0			10	
		3	0				