

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: <https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=156231&SYSUID=1&LICID=13007>
 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 March 2020
 Monthly Summary Status: Complete: all monitoring data obtained

Discharge to water

Table 1 – Monthly Oil and Grease, pH and Total suspended Solids monitoring at EPL Point 1

2020	Samples required by EPL (1/mth during discharge)	No. of samples during month	Oil & Grease		pH		Total Suspended Solids		Compliant	Comment
			Result (mg/l)	Limit (mg/l)	Result (mg/l)	Limit (mg/l)	Result (mg/l)	Limit (mg/l)		
January	1	NIL	NR	50	NR	6.5-8.5	NR	10	Yes	Not sampled: due to no flow / no discharge
February	1	NIL	NR	50	NR	6.5-8.5	NR	10	Yes	Not sampled: due to no flow / no discharge
March	1	1	<5	50	7.03	6.5-8.5	3.8	10	Yes	Flow / Discharge recorded week of 07/03/2020-13/03/2020
April	1			50		6.5-8.5		10		
May	1			50		6.5-8.5		10		
June	1			50		6.5-8.5		10		
July	1			50		6.5-8.5		10		
August	1			50		6.5-8.5		10		
September	1			50		6.5-8.5		10		
October	1			50		6.5-8.5		10		
November	1			50		6.5-8.5		10		
December	1			50		6.5-8.5		10		

Air Emissions

Table 2 – Nitrogen oxides (NO_x) monitoring at EPL Points 2 and 3

2020	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)	Compliant	Comment
January	Continuous	Continuous	2	0.01	0.65	1.15	1.5	Yes	
			3	0.13	0.46	0.84	1.5	Yes	
February	Continuous	Continuous	2	0.03	0.63	0.99	1.5	Yes	
			3	0.20	0.53	1.12	1.5	Yes	
March	Continuous	Continuous	2	0.24	0.84	1.10	1.5	Yes	
			3	0.36	0.55	0.71	1.5	Yes	
April	Continuous		2				1.5		
			3				1.5		
May	Continuous		2				1.5		
			3				1.5		
June	Continuous		2				1.5		
			3				1.5		
July	Continuous		2				1.5		
			3				1.5		
August	Continuous		2				1.5		
			3				1.5		
September	Continuous		2				1.5		
			3				1.5		
October	Continuous		2				1.5		
			3				1.5		
November	Continuous		2				1.5		
			3				1.5		
December	Continuous		2				1.5		
			3				1.5		

Table 3 – Sulphur dioxide (SO₂) monitoring at EPL Points 2 and 3

2020	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)	Compliant	Comment
January	Continuous	Continuous	2	825	1227	1365	-	Yes	
			3	918	1246	1359		Yes	
February	Continuous	Continuous	2	72	1240	1347	-	Yes	
			3	962	1278	1412		Yes	
March	Continuous	Continuous	2	956	1170	1425	-	Yes	
			3	976	1283	1335		Yes	
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						

Table 4 – Annual stack emissions monitoring

2020	No. of samples required by EPL	EPL Point	Samples taken during year	Result	Limit	Compliant	Comment
Cadmium (mg/m ³)	1 per year	2	NIL	NR	-	N/A	Not sampled: Annual testing has not been performed to date
		3	NIL	NR			
Carbon dioxide (%)	1 per year	2	NIL	NR	-	N/A	Not sampled: Annual testing has not been performed to date
		3	NIL	NR			
Chlorine (mg/m ³)	1 per year	2	NIL	NR	200	N/A	Not sampled: Annual testing has not been performed to date
		3	NIL	NR			
Dioxins & Furans (mg/m ³)	1 per year	2	NIL	NR	0.1	N/A	Not sampled: Annual testing has not been performed to date
		3	NIL	NR			
Dry gas density (kg/m ³)	1 per year	2	NIL	NR	-	N/A	Not sampled: Annual testing has not been performed to date
		3	NIL	NR			
Fluorine (mg/m ³)	1 per year	2	NIL	NR	50	N/A	Not sampled: Annual testing has not been performed to date
		3	NIL	NR			
Hydrogen chloride (mg/m ³)	1 per year	2	NIL	NR	100	N/A	Not sampled: Annual testing has not been performed to date
		3	NIL	NR			
Mercury (mg/m ³)	1 per year	2	NIL	NR	0.2	N/A	Not sampled: Annual testing has not been performed to date
		3	NIL	NR			
Moisture (%)	1 per year	2	NIL	NR	-	N/A	Not sampled: Annual testing has not been performed to date
		3	NIL	NR			
Molecular weight of stack gases (mg/m ³)	1 per year	2	NIL	NR	-	N/A	Not sampled: Annual testing has not been performed to date
		3	NIL	NR			
Oxygen (O ₂)	1 per year	2	NIL	NR	-	N/A	Not sampled: Annual testing has not been performed to date
		3	NIL	NR			
Solid particles (mg/m ³)	1 per year	2	NIL	NR	50	N/A	Not sampled: Annual testing has not been performed to date
		3	NIL	NR			
Sulfuric acid mist and sulfur trioxide (as SO ₃)	1 per year	2	NIL	NR	100	N/A	Not sampled: Annual testing has not been performed to date
		3	NIL	NR			
Temperature	1 per year	2	NIL	NR	-	N/A	Not sampled: Annual testing has not been performed to date
		3	NIL	NR			
Type 1 and type 2 substances in aggregate (mg/m ³)	1 per year	2	NIL	NR	1	N/A	Not sampled: Annual testing has not been performed to date
		3	NIL	NR			
Velocity (m/s)	1 per year	2	NIL	NR	-	N/A	Not sampled: Annual testing has not been performed to date
		3	NIL	NR			
Volatile compounds as n-propane equivalent (mg/m ³)	1 per year	2	NIL	NR	40	N/A	Not sampled: Annual testing has not been performed to date
		3	NIL	NR			
Volumetric flowrate (m ³ /s)	1 per year	2	NIL	NR	-	N/A	Not sampled: Annual testing has not been performed to date
		3	NIL	NR			