

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
https://www.energyaustralia.com.au/about-us/energy-generation/mt-piper-power-station/mt-piper-epa-reports

EPL Period monitored: 1 – 31 May 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

	Samples required by EPL (1/mth during discharge)	No. of samples during month	Oil & Grease		рН		Total Suspended Solids			
2020			Result (mg/l)	Limit (mg/l)	Result (mg/l)	Limit (mg/l)	Result (mg/I)	Limit (mg/l)	Compliant	Comment
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	1	<5	50	7.27	6.5-8.5	3.6	10	Yes	Flow / Discharge weeks of 04/04/2020 – 10/04/2020 and 11/04/2020 – 17/04/2020
May	1	1	<5	50	6.96	6.5-8.5	2.7	10	Yes	Flow / Discharge recorded week of 02/05/2020-08/05/2020
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

Table 2 -	- Nitrogen	oxides (NC	Jx) mc	onitoring at El	PL Points 2 an	1a 3			
2020	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)	Compliant	Comment
January	Continuous	Carrie	2	0.01	0.65	1.15	1.5	Yes	
January	Continuous	Continuous	3	0.13	0.46	0.84	1.5	Yes	
February	Continuous	Continuous	2	0.03	0.63	0.99	1.5	Yes	
rebruary	Continuous		3	0.20	0.53	1.12	1.5	Yes	
March	Continuous	Cantinuana	2	0.24	0.84	1.10	1.5	Yes	
iviaicii	Continuous	Continuous	3	0.36	0.55	0.71	1.5	Yes	
April	Continuous	Continuous	2	0.33	0.68	0.88	1.5	Yes	
Арп	Continuous		3	0.21	0.60	0.99	1.5	Yes	
May	Continuous	Continuous	2	0.13	0.65	1.06	1.5	Yes	
iviay	Continuous	Continuous	3	0.09	0.86	1.27	1.5	Yes	
June	Continuous		2				1.5		
Julie	Continuous		3				1.5		
July	Continuous		2				1.5		
July			3				1.5		
August	Continuous		2				1.5		
August	Continuous		3				1.5		
September	Continuous		2				1.5		
September	Continuous		3				1.5		
October	Continuous		2				1.5		
200000	33		3				1.5		
November	Continuous		2				1.5		
	30		3				1.5		
December	Continuous		2				1.5		
3 000	30		3				1.5		



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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/m³, hourly average)	Mean of sample (mg/m³)	Highest sample value (mg/m³, hourly average)	Limit (mg/m³, hourly average)	Compliant	Comment
		Continuous	2	825	1227	1365		Yes	
January	Continuous		3	918	1246	1359	-	Yes	
- 1	.	Continuous	2	72	1240	1347		Yes	
February	Continuous		3	962	1278	1412	-	Yes	
March	March Cartin	Continuous	2	956	1170	1425		Yes	
March	Continuous		3	976	1283	1335	-	Yes	
Amril	Continuous	Continuous	2	1070	1192	1297	_	Yes	
April	Continuous		3	1080	1235	1597	-	Yes	
May	Continuous	Continuous	2	56	1206	1358		Yes	
iviay	Continuous		3	249	1166	1382	-	Yes	
June	Continuous		2				_		
June	Continuous		3						
July	Continuous		2				_		
July			3						
August	Continuous		2				_		
August			3						
September	Continuous		2				_		
September	Continuous		3						
October	Continuous		2				_		
Octobel	Continuous		3				_		
November	Continuous	-	2				_		
November			3						
December	Continuous		2				_		
December	Continuous	1003					_		



Table 4 – Annual stack emissions monitoring

	No. of samples	EPL	Samples taken				
2020	required by EPL	Point	during year	Result	Limit	Compliant	Comment
Cadmium (mg/m³)	1 per year	2	NIL	NR	-	N/A	Not sampled: Annual testing has
	F - 7	3	NIL	NR			not been performed to date
Carbon dioxide (%)	1 per year	2	NIL	NR	-	N/A	Not sampled: Annual testing has
	- pc. /ca.	3	NIL	NR			not been performed to date
Chlorine (mg/m³)	1 per year	2	NIL	NR	200	N/A	Not sampled: Annual testing has
		3	NIL	NR			not been performed to date
Dioxins & Furans (mg/m3)	1 per year	2	NIL	NR	0.1	N/A	Not sampled: Annual testing has
210/11/0 (2.1 (1.10) (1.10)	2 pc. yca.	3	NIL	NR	0.2		not been performed to date
Dry gas density (kg/m³)	1 per year	2	NIL	NR		N/A	Not sampled: Annual testing has
5.7 8ds delisit, (18,)	2 pc. ycu.	3	NIL	NR			not been performed to date
Fluorine (mg/m³)	1 per year	2	NIL	NR	50	N/A	Not sampled: Annual testing has
Tradrine (mg/m/)	1 per year	3	NIL	NR	30		not been performed to date
Hydrogen chloride (mg/m³)	1 per year	2	NIL	NR	100	N/A	Not sampled: Annual testing has
rrydrogen chloride (mg/m /	i per year	3	NIL	NR	100		not been performed to date
Mercury (mg/m³)	1 per year	2	NIL	NR	0.2	N/A	Not sampled: Annual testing has
Wercury (mg/m /		3	NIL	NR			not been performed to date
Moisture (%)	1 per year	2	NIL	NR	-	N/A	Not sampled: Annual testing has
ivioisture (70)		3	NIL	NR			not been performed to date
Molecular weight of stack gases (mg/m³)	1 per year	2	NIL	NR		N/A	Not sampled: Annual testing has
Molecular weight of stack gases (mg/m²)		3	NIL	NR	-		not been performed to date
Our (03)	1 per year	2	NIL	NR		N/A	Not sampled: Annual testing has
Oxygen (O2)		3	NIL	NR	-		not been performed to date
Calid (3)	1	2	NIL	NR	50	N/A	Not sampled: Annual testing has
Solid particles (mg/m³)	1 per year	3	NIL	NR	" 50		not been performed to date
Culturia acid uniat and sulfuntaionida (ac CO2)	1	2	NIL	NR	100	N/A	Not sampled: Annual testing has
Sulfuric acid mist and sulfur trioxide (as SO3)	1 per year	3	NIL	NR			not been performed to date
Tanaantiina	1	2	NIL	NR	-	N/A	Not sampled: Annual testing has
Temperature	1 per year	3	NIL	NR			not been performed to date
Type 1 and type 2 substances in aggregate	1	2	NIL	NR	1	N/A	Not sampled: Annual testing has
(mg/m³)	1 per year	3	NIL	NR	1		not been performed to date
Malacity Lev LA	1 per year	2	NIL	NR		N/A	Not sampled: Annual testing has
Velocity (m/s)		3	NIL	NR	-		not been performed to date
Volatile compounds as n-propane equivalent	1 per year	2	NIL	NR	40	N/A	Not sampled: Annual testing has
(mg/m³)		3	NIL	NR			not been performed to date
Malamakia (I	4	2	NIL	NR		N/A	Not sampled: Annual testing has
Volumetric flowrate (m³/s)	1 per year	3	NIL	NR	-		not been performed to date