

Appin Power Station
 Licence Number: 5482
 Licence Holder: EDL CSM (NSW) PTY LTD
 Licensee Address: Appin Coal Seam Methane Power Station
 Northhampton Dale Road Appin NSW 2560



Month: FY 2020-21
 Frequency: Continuous monitoring for ambient NOx, O3 (taken off site) and point source NO3 air emissions;
 Spot sampling weekly during discharge for First Flush pH and, visible oil and grease (O&G);
 Spot sampling monthly for Process Water Effluent pH and oil and grease (O&G);
 Spot sampling monthly for Septic Effluent biological oxygen demand (BOD), fecal coliforms (FC), O&G, total nitrogen (TN), TDS, total phosphorus (TP).

Month	Location of monitoring point	Sampled	Obtained	Published	Pollutant	Units	Monitoring frequency (licence)	Measurement during month	Min	Mean	Max	Exceedance (Yes/No)
Jul-20	Point 10 - Ambient air and weather monitoring station		31/08/20	2/09/20	NOx	ppb	Continuous	Continuous	0	7	73	
			31/08/20	2/09/20	O3	ppb	Continuous	Continuous	0	18	33	
	Point 13 - Air emissions monitoring		29/07/20	10/07/20	NOx	ppm measured as g/min	Continuous Max limit 2878 g/min	Continuous	< 2878 g/min			No
	Point 11 - First Flush Effluent quality monitoring		4/09/20	9/09/20	O&G	mg/L	Weekly during discharge with No visible oil	8	Nil			
			4/09/20	9/09/20	pH		Weekly during any discharge	8	7.49	7.88	8.17	
		7/07/20	22/07/20	10/08/20	Salinity	ppt	Not required	1	-			
	Point 12 - Process Water Effluent quality monitoring	7/07/20	22/07/20	10/08/20	TSS	mg/L	Not required	1	-			
		7/07/20	22/07/20	10/08/20	O&G	mg/L	Monthly	1	< 5			
		7/07/20	22/07/20	10/08/20	pH		Monthly	1	7.21			
		7/07/20	22/07/20	10/08/20	Salinity	ppt	Not required	1	0.096			
		7/07/20	22/07/20	10/08/20	TDS	mg/L	Not required	1	83			
		7/07/20	22/07/20	10/08/20	TSS	mg/L	Not required	1	5			
	Point 16 - Septic waste water Effluent quality monitoring	7/07/20	22/07/20	10/08/20	BOD	mg/L	Monthly	1	11			
		7/07/20	22/07/20	10/08/20	FC	cfu/100mL	Monthly	1	< 10			
		7/07/20	22/07/20	10/08/20	O&G	mg/L	Monthly	1	< 3			
		7/07/20	22/07/20	10/08/20	TN	mg/L	Monthly	1	108			
7/07/20		22/07/20	10/08/20	TDS	mg/L	Monthly	1	451				
7/07/20		22/07/20	10/08/20	TSS	mg/L	Not required	1	42				
7/07/20		22/07/20	10/08/20	TP	mg/L	Monthly	1	10				
Aug-20	Point 10 - Ambient air and weather monitoring station		11/09/20	28/09/20	NOx	ppb	Continuous	Cont.	0	2	29	
			11/09/20	28/09/20	O3	ppb	Continuous	Cont.	-2	20	42	
	Point 13 - Air emissions monitoring		10/09/20	28/09/20	NOx	ppm	Continuous Max limit 2878 g/min	Cont.	< 2878 g/min			
	Point 11 - First Flush Effluent quality monitoring		3/09/20	4/09/20	O&G	mg/L	Weekly during discharge with No visible oil	12	Nil			
			3/09/20	4/09/20	pH		Weekly during any discharge	12	7.45	8	7.95	
		5/08/20	1/09/20	2/09/20	Salinity	ppt	Not required	1	0.395			
	Point 12 - Process Water Effluent quality monitoring	5/08/20	1/09/20	2/09/20	TSS	mg/L	Not required	1	5			
		5/08/20	1/09/20	2/09/20	O&G	mg/L	Monthly	1	< 5			
		5/08/20	1/09/20	2/09/20	pH		Monthly	1	7.36			
		5/08/20	1/09/20	2/09/20	Salinity	ppt	Not required	1	0.111			
		5/08/20	1/09/20	2/09/20	TDS	mg/L	Not required	1	92			
		5/08/20	1/09/20	2/09/20	TSS	mg/L	Not required	1	3			
	Point 16 - Septic waste water Effluent quality monitoring	5/08/20	1/09/20	2/09/20	BOD	mg/L	Monthly	1	7			
		5/08/20	1/09/20	2/09/20	FC	cfu/100mL	Monthly	1	< 10			
		5/08/20	1/09/20	2/09/20	O&G	mg/L	Monthly	1	< 3			
		5/08/20	1/09/20	2/09/20	TN	mg/L	Monthly	1	46			
5/08/20		1/09/20	2/09/20	TDS	mg/L	Monthly	1	318				
5/08/20		1/09/20	2/09/20	TSS	mg/L	Not required	1	23				
5/08/20	1/09/20	2/09/20	TP	mg/L	Monthly	1	5.8					
Sep-20	Point 10 - Ambient air and weather monitoring station		12/10/20	16/10/20	NOx	ppb	Continuous	Cont.	-1	6	66	
			12/10/20	16/10/20	O3	ppb	Continuous	Cont.	2	21	46	
	Point 13 - Air emissions monitoring		15/10/20	16/10/20	NOx	ppm	Continuous Max limit 2878 g/min	Cont.	< 2878 g/min			
	Point 11 - First Flush Effluent quality monitoring		15/10/20	16/10/20	O&G	mg/L	Weekly during discharge with No visible oil	5	Nil			
			15/10/20	16/10/20	pH		Weekly during any discharge	5	7.48	8.09	8.72	
		2/09/20	21/09/20	28/09/20	Salinity	ppt	Not required	1	0.334			
	Point 12 - Process Water Effluent quality monitoring	2/09/20	21/09/20	28/09/20	TSS	mg/L	Not required	1	5			
		2/09/20	21/09/20	28/09/20	O&G	mg/L	Monthly	1	<5			
		2/09/20	21/09/20	28/09/20	pH		Monthly	1	7.44			
		2/09/20	21/09/20	28/09/20	Salinity	ppt	Not required	1	0.101			
		2/09/20	21/09/20	28/09/20	TDS	mg/L	Not required	1	85			
		2/09/20	21/09/20	28/09/20	TSS	mg/L	Not required	1	7			
	Point 16 - Septic waste water Effluent quality monitoring	2/09/20	21/09/20	28/09/20	BOD	mg/L	Monthly	1	<5			
		2/09/20	21/09/20	28/09/20	FC	cfu/100mL	Monthly	1	20			
		2/09/20	21/09/20	28/09/20	O&G	mg/L	Monthly	1	<3			
		2/09/20	21/09/20	28/09/20	TN	mg/L	Monthly	1	51			
2/09/20		21/09/20	28/09/20	TDS	mg/L	Monthly	1	348				
2/09/20		21/09/20	28/09/20	TSS	mg/L	Not required	1	27				
2/09/20	21/09/20	28/09/20	TP	mg/L	Monthly	1	8.5					

Receipt of report was delayed due to operational impacts
 First flush was empty at time of testing