



**Appin Power Station**

Licence Number: 5482

Licence Holder: EDL CSM (NSW) PTY LTD

Licencee Address: Appin Coal Seam Methane Power Station  
Northampton Dale Road Appin NSW 2560

Dates: FY 2021-2022

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, 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	Licence limit	Exceedance (Yes/No)	
Jul-21	Point 10 - Ambient air and weather monitoring station		12/08/21	18/08/21	NOx	ppb	Continuous	Cont.	0	6	99			
			12/08/21	18/08/21	O3	ppb	Continuous	Cont.	0	17	30			
	Point 13 - Air emissions monitoring		12/07/21	23/07/21	NOx	ppm	Continuous Max limit 2878 g/min	Cont.	<2878 g/min			<2878 g/min	No	
	Point 11 - First Flush Effluent quality monitoring		1/07/21	1/07/21	O&G	mg/L	Weekly during discharge with No visible oil	11	n/a			nil visual	No	
			1/07/21	1/07/21	pH		Weekly during any discharge	11	7.28	7.55	7.81	6.5-8.5	No	
	Point 12 - Process Water Effluent quality monitoring		12/07/21	23/07/21	26/07/21	Salinity	ppt	Not required	-	0.332				
			12/07/21	23/07/21	26/07/21	TSS	mg/L	Not required	-	5				
			12/07/21	23/07/21	26/07/21	O&G	mg/L	Monthly	1	<5			nil visual	No
			12/07/21	23/07/21	26/07/21	pH		Monthly	1	6.69			6.5-8.5	No
			12/07/21	23/07/21	26/07/21	Salinity	ppt	Not required	1	0.068				
			12/07/21	23/07/21	26/07/21	TDS	mg/L	Not required	1	58				
	Point 16 - Septic waste water Effluent quality monitoring		12/07/21	23/07/21	26/07/21	TSS	mg/L	Not required	1	11				
			12/07/21	23/07/21	26/07/21	BOD	mg/L	Monthly	1	<5				
			12/07/21	23/07/21	26/07/21	FC	cfu/100mL	Monthly	1	<10				
			12/07/21	23/07/21	26/07/21	O&G	mg/L	Monthly	1	<3				
			12/07/21	23/07/21	26/07/21	TN	mg/L	Monthly	1	24				
			12/07/21	23/07/21	26/07/21	TDS	mg/L	Monthly	1	352				
		12/07/21	23/07/21	26/07/21	TSS	mg/L	Not required	1	50					
		12/07/21	23/07/21	26/07/21	TP	mg/L	Monthly	1	4.2					
		11/09/21	13/09/21	NOx	ppb	Continuous	Cont.		0	6	114			
Aug-21	Point 10 - Ambient air and weather monitoring station		11/09/21	13/09/21	O3	ppb	Continuous	Cont.	2	21	37			
	Point 13 - Air emissions monitoring		27/08/21	13/09/21	NOx	ppm	Continuous Max limit 2878 g/min	Cont.				<2878g/min	No	
	Point 11 - First Flush Effluent quality monitoring		4/08/21	19/08/21	25/08/21	O&G	mg/L	Weekly during discharge with No visible oil	12	n/a			nil visual	
			31/08/21	8/09/21	9/09/21	pH		Weekly during any discharge	12	7.56	7.56	7.56	6.5-8.5	
	Point 12 - Process Water Effluent quality monitoring		4/08/21	19/08/21	25/08/21	Salinity	ppt	Not required	1	0.193				
			4/08/21	19/08/21	25/08/21	TSS	mg/L	Not required	1	6				
			4/08/21	19/08/21	25/08/21	O&G	mg/L	Monthly	1	<5			nil visual	
			31/08/21	8/09/21	9/09/21	pH		Monthly	1	6.80	7.25	7.43	6.5-8.5	
			4/08/21	19/08/21	25/08/21	Salinity	ppt	Not required	1	0.203				
			4/08/21	19/08/21	25/08/21	TDS	mg/L	Not required	1	174				
	Point 16 - Septic waste water Effluent quality monitoring		4/08/21	19/08/21	25/08/21	TSS	mg/L	Not required	1	9				
			4/08/21	19/08/21	25/08/21	BOD	mg/L	Monthly	1	<5				
			4/08/21	19/08/21	25/08/21	FC	cfu/100mL	Monthly	1	<10				
			4/08/21	19/08/21	25/08/21	O&G	mg/L	Monthly	1	<3				
			4/08/21	19/08/21	25/08/21	TN	mg/L	Monthly	1	35				
			4/08/21	19/08/21	25/08/21	TDS	mg/L	Monthly	1	274				
			4/08/21	19/08/21	25/08/21	TSS	mg/L	Not required	1	18				
	4/08/21	19/08/21	25/08/21	TP	mg/L	Monthly	1	2.9						
Sep-21	Point 10 - Ambient air and weather monitoring station				NOx	ppb	Continuous	Cont.						
					O3	ppb	Continuous	Cont.						
	Point 13 - Air emissions monitoring				NOx	ppm	Continuous Max limit 2878 g/min	Cont.				<2878g/min	No	
	Point 11 - First Flush Effluent quality monitoring					O&G	mg/L	Weekly during discharge with No visible oil	5					
						pH		Weekly during any discharge	5	7.30	7.57	8		
	Point 12 - Process Water Effluent quality monitoring					Salinity	ppt	Not required	1					
						TSS	mg/L	Not required	1					
						O&G	mg/L	Monthly	1					
						pH		Monthly	1	7.30	7.57	8		
						Salinity	ppt	Not required	1					
						TDS	mg/L	Not required	1					
	Point 16 - Septic waste water Effluent quality monitoring					TSS	mg/L	Not required	1					
						BOD	mg/L	Monthly	1					
						FC	cfu/100mL	Monthly	1					
						O&G	mg/L	Monthly	1					
						TN	mg/L	Monthly	1					
						TDS	mg/L	Monthly	1					
					TSS	mg/L	Not required	1						
				TP	mg/L	Monthly	1							