Appin Power Station Licence Number: 5482

Licence Holder: EDL CSM (NSW) PTY LTD

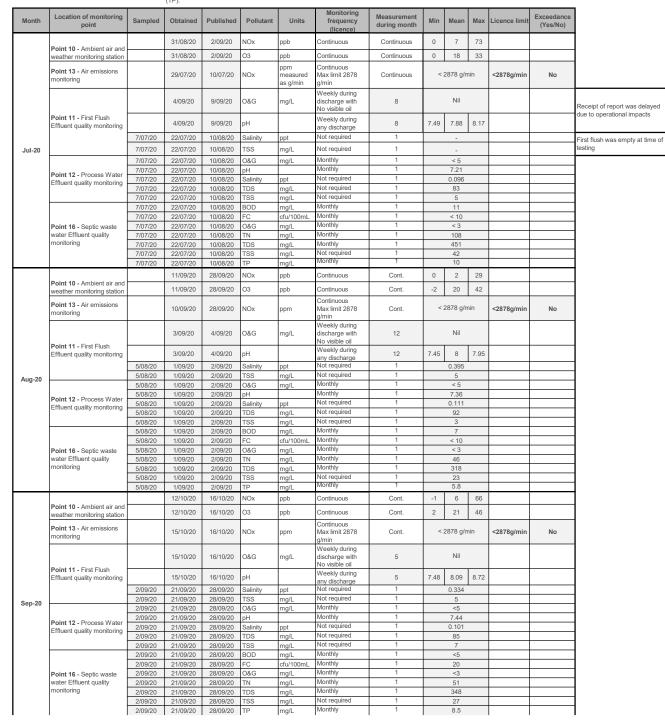
Licensee Address: Appin Coal Seam Methane Power Station Northhampton Dale Road Appin NSW 2560

Month: FY 2020-21

Frequency: Continuous monitoring for ambient NOx, O3 (taken off site) and point source NO3 air ea

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 Spot better Effluent pH and oil and grease (O&G). Spot sampling monthly for Spot better Effluent bloogical oxygen demand (BOD), fecal colliforms (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)
			12/11/20	18/11/20	NOx	ppb	Continuous	Cont.	1	8	76		
Oct-20	Point 10 - Ambient air and		112/11/20	18/11/20	03	ppb	Continuous	Cont.	4	23	66		
	weather monitoring station		112/11/20	10/11/20	00	РРБ	Continuous	CONL	4 23 66		00		
	Point 13 - Air emissions monitoring		18/11/20	18/11/20	NOx	ppm	Max limit 2878 g/min	Cont.	< 2878 g/min		nin	<2878g/min	No
			13/11/20	18/11/20	O&G	mg/L	Weekly during discharge with No visible oil	8	Nil				
	Point 11 - First Flush Effluent quality monitoring		13/11/20	18/11/20	рН		Weekly during any discharge	8	8.01	8.23	8.4		
		8/10/20	6/11/20	18/11/20	Salinity	ppt	Not required	1		0.294			
		8/10/20	6/11/20	18/11/20	TSS	mg/L	Not required	1	15				
		8/10/20 8/10/20	6/11/20 6/11/20	18/11/20 18/11/20	O&G pH	mg/L	Monthly Monthly	1	<5 7.34				
	Point 12 - Process Water Effluent quality monitoring	8/10/20	6/11/20	18/11/20	Salinity	ppt	Not required	1	0.135				
		8/10/20	6/11/20	18/11/20	TDS	mg/L	Not required	1	133				
		8/10/20 8/10/20	6/11/20 6/11/20	18/11/20 18/11/20	TSS BOD	mg/L mg/L	Not required Monthly	1	9 <5				
	Point 16 - Septic waste water Effluent quality monitoring	8/10/20	6/11/20	18/11/20	FC	cfu/100mL	Monthly	1	100				
		8/10/20	6/11/20	18/11/20	O&G	mg/L	Not required	1	<3				
		8/10/20	6/11/20	18/11/20	TN	mg/L	Monthly Monthly	1	55 473				
		8/10/20 8/10/20	6/11/20 6/11/20	18/11/20 18/11/20	TDS	mg/L mg/L	Not required	1	30				
		8/10/20	6/11/20	18/11/20	TP	mg/L	Monthly	1		11			
	B		11/12/20	15/12/20	NOx	ppb	Continuous	Cont.	0	6	86		
	Point 10 - Ambient air and weather monitoring station		11/12/20	15/12/20	O3	ppb	Continuous	Cont.	1	21	74		
İ	Point 13 - Air emissions monitoring		16/12/20	16/12/20	NOx	ppm	Continuous Max limit 2878	Cont.	< 1	2878 g/m	nin	<2878g/min	No
			4/12/20	16/12/20	O&G	mg/L	g/min Weekly during discharge with	3	Nil				
Nov-20	Point 11 - First Flush Effluent quality monitoring					illy/L	No visible oil Weekly during						
		41	4/12/20	16/12/20	pH		any discharge	3	8.07	8.19	8.4		
		4/11/20 4/11/20	16/11/20 16/11/20	1/12/20 1/12/20	Salinity TSS	ppt mg/L	Not required Not required	1	0.195				
		4/11/20	16/11/20	1/12/20	O&G	mg/L	Monthly	1	<5				
	Point 12 - Process Water	4/11/20	16/11/20	1/12/20	рН		Monthly	1	6.92				
	Effluent quality monitoring	4/11/20	16/11/20	1/12/20	Salinity	ppt	Not required Not required	1	0.357 297				
		4/11/20 4/11/20	16/11/20 16/11/20	1/12/20 1/12/20	TDS	mg/L mg/L	Not required	1	18				
	Point 16 - Septic waste water Effluent quality monitoring	4/11/20	16/11/20	1/12/20	BOD	mg/L	Monthly	1	<5				
		4/11/20	16/11/20	1/12/20	FC	cfu/100mL	Monthly	1	<10				
		4/11/20 4/11/20	16/11/20 16/11/20	1/12/20 1/12/20	O&G TN	mg/L mg/L	Monthly Monthly	1		<3 54			
		4/11/20	16/11/20	1/12/20	TDS	mg/L	Monthly	1		348			
		4/11/20	16/11/20	1/12/20	TSS	mg/L	Not required	1	24				
		4/11/20	16/11/20	1/12/20	TP	mg/L	Monthly		-	4.6			
	Point 10 - Ambient air and		12/01/21	12/01/21	NOx	ppb	Continuous	Cont.	0	6	56		
	Point 13 - Air emissions		12/01/21 8/01/21	12/01/21	O3 NOx	ppb	Continuous Continuous Max limit 2878	Cont.	1 17 60 <2878 g/min		60	<2878g/min	No
	monitoring						g/min Weekly during					-Lor og/min	140
	Point 11 - First Flush Effluent quality monitoring		7/01/21	12/01/21	O&G	mg/L	discharge with No visible oil Weekly during	10	nil				
Dec-20			7/01/21	12/01/21	pН		any discharge	10	7.17 7.59 8.16				
		2/12/20	14/12/20 14/12/20	16/12/20 16/12/20	Salinity TSS	ppt ma/l	Not required Not required	1	0.343				
		2/12/20	14/12/20	16/12/20	0&G	mg/L mg/L	Monthly	1	4 <5				
	Point 12 - Process Water Effluent quality monitoring	2/12/20	14/12/20	16/12/20	рН		Monthly	1	7.15				
		2/12/20	14/12/20 14/12/20	16/12/20	Salinity	ppt ma//	Not required Not required	1	0.126 105				
		2/12/20 2/12/20	14/12/20	16/12/20 16/12/20	TDS	mg/L mg/L	Not required	1		105			
		2/12/20	14/12/20	16/12/20	BOD	mg/L	Monthly	1		<5			
	Point 16 - Septic waste water Effluent quality monitoring	2/12/20	14/12/20	16/12/20	FC	cfu/100mL	Monthly Monthly	1		<10			
		2/12/20 2/12/20	14/12/20 14/12/20	16/12/20 16/12/20	O&G TN	mg/L mg/L	Monthly	1	<3 27				
		2/12/20	14/12/20	16/12/20	TDS	mg/L	Monthly	1		352			
		2/12/20	14/12/20	16/12/20	TSS	mg/L	Not required Monthly	1		55 7.4			
		2/12/20	14/12/20	16/12/20	TP	mg/L	-		0	7.4	44		
Jan-21	Point 10 - Ambient air and		12/02/21	17/02/21	NOx	ppb	Continuous	Cont.	0	6	41		
	weather monitoring station		12/02/21	17/02/21	O3	ppb	Continuous	Cont.	0	19	92		
	Point 13 - Air emissions monitoring		17/02/21	17/02/21	NOx	ppm	Continuous Max limit 2878 g/min	Cont.	<;	2878 g/m	iin	<2878 g/min	No
	Point 11 - First Flush Effluent quality monitoring		16/02/21	17/02/21	O&G	mg/L	Weekly during discharge with No visible oil	5	Nil visual		nil visual	No	
			16/02/21	17/02/21	рН		Weekly during any discharge	5	7.61 7.716 7.94		6.5-8.5	No	
		15/01/21	2/02/21	17/02/21	Salinity	ppt	Not required	1		0.31			
	Point 12 - Process Water Effluent quality monitoring	15/01/21	2/02/21	17/02/21 17/02/21	TSS O&G	mg/L mg/l	Not required Monthly	1	24		nil vievel	No	
		15/01/21 15/01/21	2/02/21	17/02/21	pH	mg/L	Monthly	1	<5 7.34		nil visual 6.5-8.5	No No	
		15/01/21	2/02/21	17/02/21	Salinity	ppt	Not required	1	0.177				
		15/01/21	2/02/21	17/02/21	TDS	mg/L	Not required	1		151			
		15/01/21 15/01/21	2/02/21 2/02/21	17/02/21 17/02/21	TSS BOD	mg/L mg/L	Not required Monthly	1	6 <5				
		15/01/21	2/02/21	17/02/21	FC	cfu/100mL	Monthly	1	<10				
	Point 16 - Septic waste water Effluent quality monitoring	15/01/21	2/02/21	17/02/21	O&G	mg/L	Monthly	1	<3				
		15/01/21 15/01/21	2/02/21	17/02/21 17/02/21	TDS	mg/L mg/L	Monthly Monthly	1	26 311				
		15/01/21	2/02/21	17/02/21	TSS	mg/L	Not required	1	49				
1		15/01/21	2/02/21	17/02/21	TP	mg/L	Monthly	1		4.7			

Note: Licence amended in January 2021 to include licence limits for pH and Oil and Grease

Month	Location of monitoring point	Sampled	Obtained	Published	Pollutant	Units	Monitoring frequency (licence)	Measurement during month	Min	Mean	Max	Licence limit	Exceedance (Yes/No)
			12/03/21	15/03/21	NOx	ppb	Continuous	Cont.	0	6	49		
	Point 10 - Ambient air and weather monitoring station		12/03/21	15/03/21	О3	ppb	Continuous	Cont.	1	15	57		
	Point 13 - Air emissions monitoring		26/02/21	15/03/21	NOx	ppm	Continuous Max limit 2878 g/min	Cont.	<2878 g/min		<2878 g/min	No	
	Point 11 - First Flush Effluent quality monitoring		12/03/21	15/03/21	O&G	mg/L	Weekly during discharge with No visible oil	10	Nil visual		nil visual	No	
			12/03/21	15/03/21	рН		Weekly during any discharge	10	7.10	7.34	7.6	6.5-8.5	No
		3/02/21	17/02/21	1/03/21	Salinity	ppt	Not required	1		0.11			
Eab 24		3/02/21	17/02/21	1/03/21	TSS	mg/L	Not required	1		1			
Feb-21	Point 12 - Process Water Effluent quality monitoring	3/02/21	17/02/21	1/03/21	O&G	mg/L	Monthly	1		<5		nil visual	No
		3/02/21	17/02/21	1/03/21	рН		Monthly	1		7.25		6.5-8.5	No
		3/02/21	17/02/21	1/03/21	Salinity	ppt	Not required	1		0.167			
		3/02/21	17/02/21	1/03/21	TDS	mg/L	Not required	1		140			
		3/02/21	17/02/21	1/03/21	TSS	mg/L	Not required	1		9			
		3/02/21	17/02/21	1/03/21	BOD	mg/L	Monthly	1		<5			
	Point 16 - Septic waste water Effluent quality monitoring	3/02/21	17/02/21	1/03/21	FC	cfu/100mL	Monthly	1		<1			
		3/02/21	17/02/21	1/03/21	0&G	mg/L	Monthly	1		<3			
		3/02/21	17/02/21	1/03/21	TN	mg/L	Monthly	1	7.7				
		3/02/21	17/02/21	1/03/21	TDS	mg/L	Monthly	1	228				
		3/02/21	17/02/21	1/03/21	TSS	mg/L	Not required	1		11			
		3/02/21	17/02/21	1/03/21	TP	mg/L	Monthly	1		5.3			
Mar-21			12/04/21	13/04/21	NOx	ppb	Continuous	Cont.	0	5	56		
	Point 10 - Ambient air and weather monitoring station		12/04/21	13/04/21	О3	ppb	Continuous	Cont.	0	17	45		
	Point 13 - Air emissions monitoring		7/04/21	7/04/21	NOx	ppm	Continuous Max limit 2878 g/min	Cont.	<2878 g/min		<2878 g/min	No	
	Delet 44 Circl Church		7/04/21	13/04/21	O&G	mg/L	Weekly during discharge with No visible oil	10	nil		nil visual	No	
	Point 11 - First Flush Effluent quality monitoring		7/04/21	13/04/21	рН		Weekly during any discharge	10	7.06	7.47	8.07	6.5-8.5	No
		3/03/21	19/03/21	7/04/21	Salinity	ppt	Not required	-		-			
		3/03/21	19/03/21	7/04/21	TSS	mg/L	Not required	-		-			
	Point 12 - Process Water Effluent quality monitoring	3/03/21	19/03/21	7/04/21	O&G	mg/L	Monthly	1		<5		nil visual	No
		3/03/21	19/03/21	7/04/21	pН		Monthly	1		7.41		6.5-8.5	No
		3/03/21	19/03/21	7/04/21	Salinity	ppt	Not required	1		0.221			
		3/03/21	19/03/21	7/04/21	TDS	mg/L	Not required	1		191			
		3/03/21	19/03/21	7/04/21	TSS	mg/L	Not required	1		7			
	Point 16 - Septic waste	3/03/21	19/03/21	7/04/21	BOD	mg/L	Monthly	1		<5			
		3/03/21	19/03/21	7/04/21	FC	cfu/100mL	Monthly	1		<10			
		3/03/21	19/03/21	7/04/21	O&G	mg/L	Monthly	1		<3			
	water Effluent quality	3/03/21	19/03/21	7/04/21	TN	mg/L	Monthly	1		44			
	monitoring	3/03/21	19/03/21	7/04/21	TDS	mg/L	Monthly	1		301			
		3/03/21	19/03/21	7/04/21	TSS	mg/L	Not required	1		16			
		3/03/21	19/03/21	7/04/21	TP	ma/L	Monthly	1 1		6			

irst flush was empty at time of testing