

Appin Power Station

Licence Number: 5482

Licence Holder: PO BOX 4046

Licencee Address: Northhampton Dale Road Appin NSW 2560

Month: FY 2015-2016

Month	Location of monitoring point	Sampled	Obtained	Published	Pollutant	Units	Monitoring frequency (licence)	Measurement during month	Min	Mean	Max
Jul-15	Point 10 - Ambient air and weather monitoring station	-	13/08/15	13/08/15	NOx	ppb	Continuous	Cont.	0	8	141
		-	13/08/15	13/08/15	O3	ppb	Continuous	Cont.	-1	-	28
	Point 13 - Air emissions monitoring	-	-	11/08/15	NOx	ppm	Continuous	Cont.	<2878g/min		
	Point 11 - First Flush Effluent quality monitoring	-	-	11/08/15	O&G	mg/L	Weekly during any discharge	15	No visual		
		-	-	11/08/15	pH		Weekly during any discharge	15	6.6	7.71	8.46
	Point 12 - Process Water Effluent quality monitoring	2/07/15	27/07/15	11/08/15	O&G	mg/L	Monthly	1	6		
		2/07/15	27/07/15	11/08/15	pH		Monthly	1	7.11		
		2/07/15	27/07/15	11/08/15	Salinity	ppt	Monthly		0.177		
		2/07/15	27/07/15	11/08/15	TSS	mg/L	Monthly		6		
	Point 16 - Septic waste water Effluent quality monitoring	2/07/15	27/07/15	11/08/15	BOD	mg/L	Monthly	1	29		
		2/07/15	27/07/15	11/08/15	FC	units/100ml	Monthly	1	<1		
		2/07/15	27/07/15	11/08/15	O&G	mg/L	Monthly	1	<3		
		2/07/15	27/07/15	11/08/15	TN	mg/L	Monthly	1	63		
		2/07/15	27/07/15	11/08/15	TDS	mg/L	Monthly	1	642		
2/07/15		27/07/15	11/08/15	TP	mg/L	Monthly	1	16			
Aug-15	Point 10 - Ambient air and weather monitoring station	-	28/09/15	28/09/15	NOx	ppb	Continuous	Cont.	0	19	105
		-	28/09/15	28/09/15	O3	ppb	Continuous	Cont.	0	-	40
	Point 13 - Air emissions monitoring	-	-	14/09/15	NOx	ppm	Continuous	Cont.	<2878g/min		
	Point 11 - First Flush Effluent quality monitoring	-	-	14/09/15	O&G	mg/L	Weekly during any discharge	12	No visual		
		-	-	14/09/15	pH		Weekly during any discharge	12	6.54	7.8	8.2
	Point 12 - Process Water Effluent quality monitoring	4/08/15	28/08/15	14/09/15	O&G	mg/L	Monthly	1	7		
		4/08/15	28/08/15	14/09/15	pH		Monthly	1	7.26		
		4/08/15	28/08/15	14/09/15	Salinity	ppt	Monthly		0.19		
		4/08/15	28/08/15	14/09/15	TSS	mg/L	Monthly		13		
		4/08/15	28/08/15	14/09/15	BOD	mg/L	Monthly	1	9		
		4/08/15	28/08/15	14/09/15	FC	units/100ml	Monthly	1	<1		
4/08/15		28/08/15	14/09/15	O&G	mg/L	Monthly	1	<3			
4/08/15		28/08/15	14/09/15	TN	mg/L	Monthly	1	38			

		4/08/15	28/08/15	14/09/15	TDS	mg/L	Monthly		1	497			
	Point 16 - Septic waste water Effluent quality monitoring	4/08/15	28/08/15	14/09/15	TP	mg/L	Monthly		1	17			
Sep-15	Point 10 - Ambient air and weather monitoring station	-	12/10/15	15/10/15	NOx	ppb	Continuous	Cont.		0	8	55	
		-	12/10/15	15/10/15	O3	ppb	Continuous	Cont.		0	-	48	
	Point 13 - Air emissions monitoring	-	-	8/10/15	NOx	ppm	Continuous	Cont.		<2878g/min			
		-	-	8/10/15	O&G	mg/L	Weekly during any discharge		9	No visual			
	Point 11 - First Flush Effluent quality monitoring	-	-	8/10/15	pH		Weekly during any discharge		9	6.54	7.8	8.3	
	Point 12 - Process Water Effluent quality monitoring		2/09/15	15/09/15	28/09/15	O&G	mg/L	Monthly		1	5		
			2/09/15	15/09/15	28/09/15	pH		Monthly		1	7.34		
			2/09/15	15/09/15	28/09/15	Salinity	ppt	Monthly			0.252		
			2/09/15	15/09/15	28/09/15	TSS	mg/L	Monthly			6		
			2/09/15	15/09/15	28/09/15	BOD	mg/L	Monthly		1	13		
			2/09/15	15/09/15	28/09/15	FC	units/100ml	Monthly		1	18		
			2/09/15	15/09/15	28/09/15	O&G	mg/L	Monthly		1	<3		
			2/09/15	15/09/15	28/09/15	TN	mg/L	Monthly		1	48		
	Point 16 - Septic waste water Effluent quality monitoring		2/09/15	15/09/15	28/09/15	TDS	mg/L	Monthly		1	345		
			2/09/15	15/09/15	28/09/15	TP	mg/L	Monthly		1	16		
Oct-15	Point 10 - Ambient air and weather monitoring station	-	12/11/15	17/11/15	NOx	ppb	Continuous	Cont.		1	10	210	
		-	12/11/15	17/11/15	O3	ppb	Continuous	Cont.		0	-	74	
	Point 13 - Air emissions monitoring	-	-	5/11/15	NOx	ppm	Continuous	Cont.		<2878g/min			
		-	-	5/11/15	O&G	mg/L	Weekly during any discharge		8	no visual			
	Point 11 - First Flush Effluent quality monitoring	-	-	5/11/15	pH		Weekly during any discharge		8	7.29	7.9	8.1	
	Point 12 - Process Water Effluent quality monitoring		6/10/15	22/10/15	5/11/15	O&G	mg/L	Monthly		1	7		
			6/10/15	22/10/15	5/11/15	pH		Monthly		1	7.46		
			6/10/15	22/10/15	5/11/15	Salinity	ppt	Monthly			0.23		
			6/10/15	22/10/15	5/11/15	TSS	mg/L	Monthly			4		
	Point 16 - Septic waste water Effluent quality monitoring		6/10/15	22/10/15	5/11/15	BOD	mg/L	Monthly		1	9		
			6/10/15	22/10/15	5/11/15	FC	units/100ml	Monthly		1	<10		
			6/10/15	22/10/15	5/11/15	O&G	mg/L	Monthly		1	<3		
			6/10/15	22/10/15	5/11/15	TN	mg/L	Monthly		1	17		
			6/10/15	22/10/15	5/11/15	TDS	mg/L	Monthly		1	385		
			6/10/15	22/10/15	5/11/15	TP	mg/L	Monthly		1	14		
		6/10/15	22/10/15	5/11/15									
Point 10 - Ambient air and weather monitoring station		-	11/12/15	16/12/15	NOx	ppb	Continuous	Cont.		1	10	92	
		-	11/12/15	16/12/15	O3	ppb	Continuous	Cont.		0	-	69	
	Point 13 - Air emissions monitoring	-	-	16/12/15	NOx	ppm	Continuous	Cont.		<2878g/min			
		-	-	16/12/15	O&G	mg/L	Weekly during any discharge		10	No visual			

Nov-15	Point 11 - First Flush Effluent quality monitoring	-	-	16/12/15	pH		Weekly during any discharge	10	7.00	7.89	8.10	
	Point 12 - Process Water Effluent quality monitoring	3/11/15	26/11/15	16/12/15	O&G	mg/L	Monthly	1	6			
		3/11/15	26/11/15	16/12/15	pH		Monthly	1	7.28			
		3/11/15	26/11/15	16/12/15	Salinity	ppt	Monthly		0.19			
		3/11/15	26/11/15	16/12/15	TSS	mg/L	Monthly		5			
	Point 16 - Septic waste water Effluent quality monitoring	3/11/15	26/11/15	16/12/15	BOD	mg/L	Monthly	1	12			
		3/11/15	26/11/15	16/12/15	FC	units/100ml	Monthly	1	<1			
		3/11/15	26/11/15	16/12/15	O&G	mg/L	Monthly	1	<3			
		3/11/15	26/11/15	16/12/15	TN	mg/L	Monthly	1	17			
		3/11/15	26/11/15	16/12/15	TDS	mg/L	Monthly	1	334			
3/11/15		26/11/15	16/12/15	TP	mg/L	Monthly	1	18				
Dec-15	Point 10 - Ambient air and weather monitoring station	-	14/01/16	20/01/16	NOx	ppb	Continuous	Cont.	1	8	133	
		-	14/01/16	20/01/16	O3	ppb	Continuous	Cont.	-1	-	80	
	Point 13 - Air emissions monitoring	-	-	20/01/16	NOx	ppm	Continuous	Cont.	<2878g/min			
	Point 11 - First Flush Effluent quality monitoring	-	-	20/01/16	O&G	mg/L	Weekly during any discharge	10	No visual			
		-	-	20/01/16	pH		Weekly during any discharge	10	7.8	8.09	8.43	
	Point 12 - Process Water Effluent quality monitoring	1/12/15	16/12/15	20/01/16	O&G	mg/L	Monthly	1	7			
		1/12/15	16/12/15	20/01/16	pH		Monthly	1	7.25			
		1/12/15	16/12/15	20/01/16	Salinity	ppt	Monthly		0.19			
		1/12/15	16/12/15	20/01/16	TSS	mg/L	Monthly		6			
	Point 16 - Septic waste water Effluent quality monitoring	1/12/15	16/12/15	20/01/16	BOD	mg/L	Monthly	1	11			
		1/12/15	16/12/15	20/01/16	FC	units/100ml	Monthly	1	<1			
		1/12/15	16/12/15	20/01/16	O&G	mg/L	Monthly	1	<3			
		1/12/15	16/12/15	20/01/16	TN	mg/L	Monthly	1	23			
		1/12/15	16/12/15	20/01/16	TDS	mg/L	Monthly	1	391			
		1/12/15	16/12/15	20/01/16	TP	mg/L	Monthly	1	18			
Jan-16	Point 10 - Ambient air and weather monitoring station	-	12/02/16	23/02/16	NOx	ppb	Continuous	Cont.	0	8	97	
		-	12/02/16	23/02/16	O3	ppb	Continuous	Cont.	-1	-	84	
	Point 13 - Air emissions monitoring	-	-	23/02/16	NOx	ppm	Continuous	Cont.	<2878g/min			
	Point 11 - First Flush Effluent quality monitoring	-	-	23/02/16	O&G	mg/L	Weekly during any discharge	9	no visual			
		-	-	23/02/16	pH		Weekly during any discharge	9	7.6	7.9	8.12	
	Point 12 - Process Water Effluent quality monitoring	4/01/16	19/01/16	20/01/16	O&G	mg/L	Monthly	1	<5			
		4/01/16	19/01/16	20/01/16	pH		Monthly	1	7.42			
		4/01/16	19/01/16	20/01/16	Salinity	ppt	Monthly		0.171			
		4/01/16	19/01/16	20/01/16	TSS	mg/L	Monthly		5			
		4/01/16	19/01/16	20/01/16	BOD	mg/L	Monthly	1	9			
	4/01/16	19/01/16	20/01/16	FC	units/100ml	Monthly	1	<1				

		4/01/16	19/01/16	20/01/16	O&G	mg/L	Monthly		1	<3			
		4/01/16	19/01/16	20/01/16	TN	mg/L	Monthly		1	15			
		4/01/16	19/01/16	20/01/16	TDS	mg/L	Monthly		1	351			
	Point 16 - Septic waste water Effluent quality monitoring	4/01/16	19/01/16	20/01/16	TP	mg/L	Monthly		1	19			
Feb-16	Point 10 - Ambient air and weather monitoring station	-	12/03/16	22/03/16	NOx	ppb	Continuous	Cont.		0	9.4	240	
	Point 13 - Air emissions monitoring	-	12/03/16	22/03/16	O3	ppb	Continuous	Cont.		1	17.1	107	
		-	-	22/03/16	NOx	ppm	Continuous	Cont.		<2878g/min			
		-	-	22/03/16	O&G	mg/L	Weekly during any discharge			5	No visual		
	Point 11 - First Flush Effluent quality monitoring	-	-	22/03/16	pH		Weekly during any discharge			5	7.5	7.88	8.5
	Point 12 - Process Water Effluent quality monitoring		1/02/16	18/02/16	3/03/16	O&G	mg/L	Monthly		1	5		
			1/02/16	18/02/16	3/03/16	pH		Monthly		1	7.82		
			1/02/16	18/02/16	3/03/16	Salinity	ppt	Monthly			0.385		
			1/02/16	18/02/16	3/03/16	TSS	mg/L	Monthly			2		
	Point 16 - Septic waste water Effluent quality monitoring		1/02/16	18/02/16	3/03/16	BOD	mg/L	Monthly		1	8		
			1/02/16	18/02/16	3/03/16	FC	units/100ml	Monthly		1	<1		
			1/02/16	18/02/16	3/03/16	O&G	mg/L	Monthly		1	<3		
			1/02/16	18/02/16	3/03/16	TN	mg/L	Monthly		1	20		
			1/02/16	18/02/16	3/03/16	TDS	mg/L	Monthly		1	392		
			1/02/16	18/02/16	3/03/16	TP	mg/L	Monthly		1	17		
Mar-16	Point 10 - Ambient air and weather monitoring station	-	12/04/16	28/04/16	NOx	ppb	Continuous	Cont.		0	8	85	
	Point 13 - Air emissions monitoring	-	12/04/16	28/04/16	O3	ppb	Continuous	Cont.		-1	-	81	
		-	-	28/04/16	NOx	ppm	Continuous	Cont.		<2878g/min			
		-	-	28/04/16	O&G	mg/L	Weekly during any discharge			No Visual			
	Point 11 - First Flush Effluent quality monitoring	-	-	28/04/16	pH		Weekly during any discharge			6.7	7.3	7.9	
	Point 12 - Process Water Effluent quality monitoring		30/03/16	14/04/16	28/04/16	O&G	mg/L	Monthly		1	<5		
			30/03/16	14/04/16	28/04/16	pH		Monthly		1	7.26		
			30/03/16	14/04/16	28/04/16	Salinity	ppt	Monthly			0.208		
			30/03/16	14/04/16	28/04/16	TSS	mg/L	Monthly			9		
	Point 16 - Septic waste water Effluent quality monitoring		30/03/16	14/04/16	28/04/16	BOD	mg/L	Monthly		1	8		
			30/03/16	14/04/16	28/04/16	FC	units/100ml	Monthly		1	< 1		
			30/03/16	14/04/16	28/04/16	O&G	mg/L	Monthly		1	< 3		
			30/03/16	14/04/16	28/04/16	TN	mg/L	Monthly		1	16		
			30/03/16	14/04/16	28/04/16	TDS	mg/L	Monthly		1	351		
		30/03/16	14/04/16	28/04/16	TP	mg/L	Monthly		1	16			
	Point 10 - Ambient air and weather monitoring station	-	13/05/16	2/11/16	NOx	ppb	Continuous	Cont.		1	9	66	
	Point 13 - Air emissions monitoring	-	13/05/16	2/11/16	O3	ppb	Continuous	Cont.		-1	16	58	
		-	-	2/11/16	NOx	ppm	Continuous	Cont.		<2878g/min			

Jun-16	Point 12 - Process Water Effluent quality monitoring	1/06/16	28/06/16	2/11/16	O&G	mg/L	Monthly	1	6
		1/06/16	28/06/16	2/11/16	pH		Monthly	1	7.2
		1/06/16	28/06/16	2/11/16	Salinity	ppt	Monthly		0.225
		1/06/16	28/06/16	2/11/16	TSS	mg/L	Monthly		9
			2/11/16	BOD	mg/L	Monthly	1	7	
	1/06/16	28/06/16	2/11/16	FC	units/100ml	Monthly	1	NA	
	1/06/16	28/06/16	2/11/16	O&G	mg/L	Monthly	1	<3	
	1/06/16	28/06/16	2/11/16	TN	mg/L	Monthly	1	19	
	1/06/16	28/06/16	2/11/16	TDS	mg/L	Monthly	1	338	
	Point 16 - Septic waste water Effluent quality monitoring	1/06/16	28/06/16	2/11/16	TP	mg/L	Monthly	1	13