

Appin Power Station

Licence Number: 5482

Licence Holder: PO BOX 4046

Licensee Address: Northhampton Dale Road Appin NSW 2560

Month: FY 2014-2015

Month	Location of monitoring point	Sampled	Obtained	Published	Pollutant	Units	Monitoring frequency (licence)	Measurement during month	Min	Mean	Max
Jul-14	Point 10 - Ambient air and weather monitoring station	-	14/08/14	20/08/14	NOx	ppb	Continuous	Continuous	0	9	100
		-	14/08/14	20/08/14	O3	ppb	Continuous	Continuous	-1	-	32
	Point 13 - Air emissions monitoring	-	-	7/08/14	NOx	ppm	Continuous	Continuous	Max Nox emission rate did not exceed 2878g/min		
	Point 11 - First Flush Effluent quality monitoring	-	-	7/08/14	O&G	mg/L	Weekly during any discharge	11	No visual		
		-	-	7/08/14	pH		Weekly during any discharge	11	7.60	8.14	8.40
	Point 12 - Process Water Effluent quality monitoring	2/07/14	18/07/14	21/07/14	O&G	mg/L	Monthly	1	6		
		2/07/14	18/07/14	21/07/14	pH		Monthly	1	7.11		
		2/07/14	18/07/14	21/07/14	Salinity	ppt	Monthly		0.283		
		2/07/14	18/07/14	21/07/14	TSS	mg/L	Monthly		4		
	Point 16 - Septic waste water Effluent quality monitoring	2/07/14	18/07/14	21/07/14	BOD	mg/L	Monthly	1	12		
		2/07/14	18/07/14	21/07/14	FC	units/100ml	Monthly	1	<1		
		2/07/14	18/07/14	21/07/14	O&G	mg/L	Monthly	1	<3		
		2/07/14	18/07/14	21/07/14	TN	mg/L	Monthly	1	28.9		
		2/07/14	18/07/14	21/07/14	TDS	mg/L	Monthly	1	453		
2/07/14		18/07/14	21/07/14	TP	mg/L	Monthly	1	16			
Aug-14	Point 10 - Ambient air and weather monitoring station	-	7/10/14	18/09/14	NOx	ppb	Continuous	Continuous	0	9	113
		-	7/10/14	18/09/14	O4	ppb	Continuous	Continuous	2	35	35
	Point 13 - Air emissions monitoring	-	-	18/09/14	NOx	ppm	Continuous	Continuous	rate did not		
	Point 11 - First Flush Effluent quality monitoring	-	-	18/09/14	O&G	mg/L	Weekly during any discharge	6	None observed		
		-	-	18/09/14	pH		Weekly during any discharge	6	7.8	8.02	8.3
	Point 12 - Process Water Effluent quality monitoring	4/08/14	25/08/14	28/08/14	O&G	mg/L	Monthly	1	5		
		4/08/14	25/08/14	28/08/14	pH		Monthly	1	9.73		
		4/08/14	25/08/14	28/08/14	Salinity	ppt	Monthly		0.285		
		4/08/14	25/08/14	28/08/14	TSS	mg/L	Monthly		14		
		4/08/14	25/08/14	28/08/14	BOD	mg/L	Monthly	1	11		
	4/08/14	25/08/14	28/08/14	FC	units/100ml	Monthly	1	<2			

Nov-14	Point 10 - Ambient air and weather monitoring station	-	12/12/14	15/12/14	O4	ppb	Continuous	Continuous	0	24	75
	Point 13 - Air emissions monitoring	-	-	15/12/14	NOx	ppm	Continuous	Continuous	rate did not		
	Point 11 - First Flush Effluent quality monitoring	-	-	17/11/14	O&G	mg/L	Weekly during any discharge	10	Nil		
		-	-	17/11/14	pH		Weekly during any discharge	10	7.7	8.07	8.4
	Point 12 - Process Water Effluent quality monitoring	3/11/14	14/11/14	17/11/14	O&G	mg/L	Monthly	1	6		
		3/11/14	14/11/14	17/11/14	pH		Monthly	1	7.28		
		3/11/14	14/11/14	17/11/14	Salinity	ppt	Monthly	1	0.188		
		3/11/14	14/11/14	17/11/14	TSS	mg/L	Monthly	1	10		
	Point 16 - Septic waste water Effluent quality monitoring	3/11/14	14/11/14	17/11/14	BOD	mg/L	Monthly	1	9		
		3/11/14	14/11/14	17/11/14	FC	units/100ml	Monthly	1	1		
		3/11/14	14/11/14	17/11/14	O&G	mg/L	Monthly	1	3		
		3/11/14	14/11/14	17/11/14	TN	mg/L	Monthly	1	24		
		3/11/14	14/11/14	17/11/14	TDS	mg/L	Monthly	1	376		
3/11/14		14/11/14	17/11/14	TP	mg/L	Monthly	1	21			
Dec-14	Point 10 - Ambient air and weather monitoring station	-	16/01/15	16/01/15	NOx	ppb	Continuous	Continuous	0	6	76
	Point 10 - Ambient air and weather monitoring station	-	16/01/15	16/01/15	O5	ppb	Continuous	Continuous	3	24	79
	Point 13 - Air emissions monitoring	-	-	16/01/15	NOx	ppm	Continuous	Continuous	rate did not		
	Point 11 - First Flush Effluent quality monitoring	-	-	16/01/15	O&G	mg/L	Weekly during any discharge	11	Nil observed		
		-	-	16/01/15	pH		Weekly during any discharge	11	7.6	7.6	8.1
	Point 12 - Process Water Effluent quality monitoring	2/12/14	22/12/14	16/01/15	O&G	mg/L	Monthly	1	5		
		2/12/14	22/12/14	16/01/15	pH		Monthly	1	7.34		
		2/12/14	22/12/14	16/01/15	Salinity	ppt	Monthly	1	0.215		
		2/12/14	22/12/14	16/01/15	TSS	mg/L	Monthly	1	6		
	Point 16 - Septic waste water Effluent quality monitoring	2/12/14	22/12/14	16/01/15	BOD	mg/L	Monthly	1	8		
		2/12/14	22/12/14	16/01/15	FC	units/100ml	Monthly	1	4		
		2/12/14	22/12/14	16/01/15	O&G	mg/L	Monthly	1	<3		
		2/12/14	22/12/14	16/01/15	TN	mg/L	Monthly	1	18		
2/12/14		22/12/14	16/01/15	TDS	mg/L	Monthly	1	394			
2/12/14	22/12/14	16/01/15	TP	mg/L	Monthly	1	18				
Point 10 - Ambient air and weather monitoring station	-	13/02/15	14/02/15	NOx	ppb	Continuous	Continuous	0	8	85	
	-	13/02/15	14/02/15	O5	ppb	Continuous	Continuous	1	18	85	
	Point 13 - Air emissions monitoring	-	-	14/02/15	NOx	ppm	Continuous	Continuous	rate did not		
	Point 11 - First Flush Effluent quality monitoring	-	-	14/02/15	O&G	mg/L	Weekly during any discharge	5	Nil Observed		
		-	-	14/02/15	pH		Weekly during any discharge	5	7.8	8.12	8.38

Jan-15	Point 12 - Process Water Effluent quality monitoring	6/01/15	3/02/15	14/02/15	O&G	mg/L	Monthly	1	<5		
		6/01/15	3/02/15	14/02/15	pH		Monthly	1	7.39		
		6/01/15	3/02/15	14/02/15	Salinity	ppt	Monthly	1	0.25		
		6/01/15	3/02/15	14/02/15	TSS	mg/L	Monthly	1	7		
	Point 16 - Septic waste water Effluent quality monitoring	6/01/15	3/02/15	14/02/15	BOD	mg/L	Monthly	1	8		
		6/01/15	3/02/15	14/02/15	FC	units/100ml	Monthly	1	10000		
		6/01/15	3/02/15	14/02/15	O&G	mg/L	Monthly	1	<3		
		6/01/15	3/02/15	14/02/15	TN	mg/L	Monthly	1	21		
		6/01/15	3/02/15	14/02/15	TDS	mg/L	Monthly	1	301		
		6/01/15	3/02/15	14/02/15	TP	mg/L	Monthly	1	15		
Feb-15	Point 10 - Ambient air and weather monitoring station	-	12/03/15	13/03/15	NOx	ppb	Continuous	Continuous	0	7	79
		-	12/03/15	13/03/15	O6	ppb	Continuous	Continuous	0	15	67
	Point 13 - Air emissions monitoring	-	-	13/03/15	NOx	ppm	Continuous	Continuous	rate did not		
	Point 11 - First Flush Effluent quality monitoring	-	-	13/03/15	O&G	mg/L	Weekly during any discharge		Not tested as no water present for sampling.		
		-	-	13/03/15	pH		Weekly during any discharge				
	Point 12 - Process Water Effluent quality monitoring	3/02/15	6/03/15	13/03/15	O&G	mg/L	Monthly	1	5		
		3/02/15	6/03/15	13/03/15	pH		Monthly	1	7.56		
		3/02/15	6/03/15	13/03/15	Salinity	ppt	Monthly	1	0.289		
		3/02/15	6/03/15	13/03/15	TSS	mg/L	Monthly	1	4		
	Point 16 - Septic waste water Effluent quality monitoring	3/02/15	6/03/15	13/03/15	BOD	mg/L	Monthly	1	9		
		3/02/15	6/03/15	13/03/15	FC	units/100ml	Monthly	1	-		
		3/02/15	6/03/15	13/03/15	O&G	mg/L	Monthly	1	<3		
		3/02/15	6/03/15	13/03/15	TN	mg/L	Monthly	1	<0.5		
3/02/15		6/03/15	13/03/15	TDS	mg/L	Monthly	1	355			
3/02/15	6/03/15	13/03/15	TP	mg/L	Monthly	1	27				
Mar-15	Point 10 - Ambient air and weather monitoring station	-	10/04/15	10/04/15	NOx	ppb	Continuous	Continuous	0	8	82
		-	10/04/15	10/04/15	O4	ppb	Continuous	Continuous	0	-	67
	Point 13 - Air emissions monitoring	-	-	10/04/15	NOx	ppm	Continuous	Continuous	rate did not		
	Point 11 - First Flush Effluent quality monitoring	-	-	10/04/15	O&G	mg/L	Weekly during any discharge	8	Nil observed		
		-	-	10/04/15	pH		Weekly during any discharge	8	8.18 (mean)		
	Point 12 - Process Water Effluent quality monitoring	2/03/15	17/03/15	10/04/15	O&G	mg/L	Monthly	1	<5		
		2/03/15	17/03/15	10/04/15	pH		Monthly	1	7.43		
		2/03/15	17/03/15	10/04/15	Salinity	ppt	Monthly	1	0.247		
		2/03/15	17/03/15	10/04/15	TSS	mg/L	Monthly	1	6		
	2/03/15	17/03/15	10/04/15	BOD	mg/L	Monthly	1	14			

		2/03/15	17/03/15	10/04/15	FC	units/100ml	Monthly	1	18000			
		2/03/15	17/03/15	10/04/15	O&G	mg/L	Monthly	1	<3			
		2/03/15	17/03/15	10/04/15	TN	mg/L	Monthly	1	<0.5			
		2/03/15	17/03/15	10/04/15	TDS	mg/L	Monthly	1	334			
	Point 16 - Septic waste water Effluent quality monitoring	2/03/15	17/03/15	10/04/15	TP	mg/L	Monthly	1	37			
Apr-15	Point 10 - Ambient air and weather monitoring station	-	12/05/15	18/05/15	NOx	ppb	Continuous	Continuous	0	10	93	
		-	12/05/15	18/05/15	O5	ppb	Continuous	Continuous	-1	16	43	
	Point 13 - Air emissions monitoring	-	-	18/05/15	NOx	ppm	Continuous	Continuous	rate did not			
		-	-	18/05/15	O&G	mg/L	Weekly during any discharge	6	Nil observed			
	Point 11 - First Flush Effluent quality monitoring	-	-	18/05/15	pH		Weekly during any discharge	6	8.3 mean			
	Point 12 - Process Water Effluent quality monitoring		1/04/15	16/04/15	18/05/15	O&G	mg/L	Monthly	1	<5		
			1/04/15	16/04/15	18/05/15	pH		Monthly	1	7.39		
			1/04/15	16/04/15	18/05/15	Salinity	ppt	Monthly	1	0.152		
			1/04/15	16/04/15	18/05/15	TSS	mg/L	Monthly	1	2		
	Point 16 - Septic waste water Effluent quality monitoring		1/04/15	16/04/15	18/05/15	BOD	mg/L	Monthly	1	14		
			1/04/15	16/04/15	18/05/15	FC	units/100ml	Monthly	1	>800		
			1/04/15	16/04/15	18/05/15	O&G	mg/L	Monthly	1	<3		
			1/04/15	16/04/15	18/05/15	TN	mg/L	Monthly	1	27		
			1/04/15	16/04/15	18/05/15	TDS	mg/L	Monthly	1	396		
		1/04/15	16/04/15	18/05/15	TP	mg/L	Monthly	1	21			
May-15	Point 10 - Ambient air and weather monitoring station	-	19/06/15	19/06/15	NOx	ppb	Continuous	Continuous	0	6	58	
		-	19/06/15	19/06/15	O5	ppb	Continuous	Continuous	-1	15	29	
	Point 13 - Air emissions monitoring	-	-	19/06/15	NOx	ppm	Continuous	Continuous	rate did not			
		-	-	19/06/15	O&G	mg/L	Weekly during any discharge	15	Nil observed			
	Point 11 - First Flush Effluent quality monitoring	-	-	19/06/15	pH		Weekly during any discharge	15	7.47	8.09	8.4	
	Point 12 - Process Water Effluent quality monitoring		4/05/15	19/05/15	19/06/15	O&G	mg/L	Monthly	1	6		
			4/05/15	19/05/15	19/06/15	pH		Monthly	1	7.73		
			4/05/15	19/05/15	19/06/15	Salinity	ppt	Monthly	1	0.384		
			4/05/15	19/05/15	19/06/15	TSS	mg/L	Monthly	1	2		
	Point 16 - Septic waste water Effluent quality monitoring		4/05/15	19/05/15	19/06/15	BOD	mg/L	Monthly	1	NA		
			4/05/15	19/05/15	19/06/15	FC	units/100ml	Monthly	1	NA		
			4/05/15	19/05/15	19/06/15	O&G	mg/L	Monthly	1	NA		
			4/05/15	19/05/15	19/06/15	TN	mg/L	Monthly	1	NA		
			4/05/15	19/05/15	19/06/15	TDS	mg/L	Monthly	1	NA		
	Point 16 - Septic waste water Effluent quality monitoring	4/05/15	19/05/15	19/06/15	TP	mg/L	Monthly	1	NA			

Fault resulted in circulation pump not working and being isolated- storage pit pumped out 2 days before sampling (SAS).

Jun-15	Point 10 - Ambient air and weather monitoring station	-	13/07/15	15/07/15	NOx	ppb	Continuous	Continuous	0	10	68
		-	13/07/15	15/07/15	O6	ppb	Continuous	Continuous	-1	0	28
	Point 13 - Air emissions monitoring	-	-	15/07/15	NOx	ppm	Continuous	Continuous	rate did not		
		-	-	15/07/15	O&G	mg/L	Weekly during any discharge	16	No visual		
	Point 11 - First Flush Effluent quality monitoring	-	-	15/07/15	pH		Weekly during any discharge	16	7.08	7.694	8.5
	Point 12 - Process Water Effluent quality monitoring	1/06/15	16/06/15	15/07/15	O&G	mg/L	Monthly	1	5		
		1/06/15	16/06/15	15/07/15	pH		Monthly	1	7.34		
		1/06/15	16/06/15	15/07/15	Salinity	ppt	Monthly		0.175		
		1/06/15	16/06/15	15/07/15	TSS	mg/L	Monthly		8		
		1/06/15	16/06/15	15/07/15	BOD	mg/L	Monthly	1	11		
	Point 16 - Septic waste water Effluent quality monitoring	1/06/15	16/06/15	15/07/15	FC	units/100ml	Monthly	1	150		
		1/06/15	16/06/15	15/07/15	O&G	mg/L	Monthly	1	<3		
		1/06/15	16/06/15	15/07/15	TN	mg/L	Monthly	1	26		
		1/06/15	16/06/15	15/07/15	TDS	mg/L	Monthly	1	396		
		1/06/15	16/06/15	15/07/15	TP	mg/L	Monthly	1	13		