

Appin Power Station

Licence Number: 5482

Licence Holder: PO BOX 4046

Licencee Address: Northhampton Dale Road Appin NSW 2560

Month: FY 2013-2014

Month	Location of monitoring point	Sampled	Obtained	Published	Pollutant	Units	Monitoring frequency (licence)	Measurement during month	Min	Mean	Max
Jul-13	Point 10 - Ambient air and weather monitoring station	-	14/08/13	15/08/13	NOx	ppb	Continuous	Continuous	0	10	82
		-	14/08/13	15/08/13	O3	ppb	Continuous	Continuous	-1	15	30
	Point 13 - Air emissions monitoring	-	-	9/08/13	NOx	ppm	Continuous	Continuous	>2878g/m for 8 minutes between 9.01-9.09am during restart on natural gas		
	Point 11 - First Flush Effluent quality monitoring	-	-	9/08/13	O&G	mg/L	Weekly during any discharge	2	No visual		
		-	-	9/08/13	pH		Weekly during any discharge	2	7.9	7.92	7.93
	Point 12 - Process Water Effluent quality monitoring	1/07/13	21/07/13	22/07/13	O&G	mg/L	Monthly	1	6		
		1/07/13	21/07/13	22/07/13	pH		Monthly	1	7.48		
	Point 16 - Septic waste water Effluent quality monitoring	1/07/13	21/07/13	22/07/13	BOD	mg/L	Monthly	1	10		
		1/07/13	21/07/13	22/07/13	FC	units/100ml	Monthly	1	0		
		1/07/13	21/07/13	22/07/13	O&G	mg/L	Monthly	1	<3		
		1/07/13	21/07/13	22/07/13	TN	mg/L	Monthly	1	14		
		1/07/13	21/07/13	22/07/13	TDS	mg/L	Monthly	1	233		
		1/07/13	21/07/13	22/07/13	TP	mg/L	Monthly	1	8.4		
Aug-13	Point 10 - Ambient air and weather monitoring station	-	12/09/13	13/09/13	NOx	ppb	Continuous	Continuous	0	7	231
		-	12/09/13	13/09/13	O4	ppb	Continuous	Continuous	1	21	38
	Point 13 - Air emissions monitoring	-	-	20/09/13	NOx	ppm	Continuous	Continuous	<2878g/min		
	Point 11 - First Flush Effluent quality monitoring	-	-	20/09/13	O&G	mg/L	Weekly during any discharge	1	No visual		
		-	-	20/09/13	pH		Weekly during any discharge	1	7.29		
	Point 12 - Process Water Effluent quality monitoring	1/08/13	19/08/13	20/08/13	O&G	mg/L	Monthly	1	7		
		1/08/13	19/08/13	20/08/13	pH		Monthly	1	7.48		
	Point 16 - Septic waste water Effluent quality monitoring	1/08/13	19/08/13	20/08/13	BOD	mg/L	Monthly	1	9		
		1/08/13	19/08/13	20/08/13	FC	units/100ml	Monthly	1	0		
		1/08/13	19/08/13	20/08/13	O&G	mg/L	Monthly	1	<3		
		1/08/13	19/08/13	20/08/13	TN	mg/L	Monthly	1	44		
		1/08/13	19/08/13	20/08/13	TDS	mg/L	Monthly	1	619		
		1/08/13	19/08/13	20/08/13	TP	mg/L	Monthly	1	20		
Point 10 - Ambient air and weather monitoring station	-	14/10/13	17/10/13	NOx	ppb	Continuous	Continuous	1	11	161	
	-	14/10/13	17/10/13	O4	ppb	Continuous	Continuous	1	22	49	
	Point 13 - Air emissions monitoring	-	-	17/10/13	NOx	ppm	Continuous	Continuous	<2878g/min		
	-	-	17/10/13	O&G	mg/L	Weekly during any discharge	1	No visual			

Sep-13	Point 11 - First Flush Effluent quality monitoring	-	-	17/10/13	pH		Weekly during any discharge	1	8.1			
	Point 12 - Process Water Effluent quality monitoring	2/09/13	18/09/13	19/09/13	O&G	mg/L	Monthly	1	8			
		2/09/13	18/09/13	19/09/13	pH		Monthly	1	7.29			
		2/09/13	18/09/13	19/09/13	BOD	mg/L	Monthly	1	8			
		2/09/13	18/09/13	19/09/13	FC	units/100ml	Monthly	1	0			
		2/09/13	18/09/13	19/09/13	O&G	mg/L	Monthly	1	<3			
		2/09/13	18/09/13	19/09/13	TN	mg/L	Monthly	1	23			
		2/09/13	18/09/13	19/09/13	TDS	mg/L	Monthly	1	535			
Point 16 - Septic waste water Effluent quality monitoring	2/09/13	18/09/13	19/09/13	TP	mg/L	Monthly	1	18				
Oct-13	Point 10 - Ambient air and weather monitoring station	-	15/11/13	19/11/13	NOx	ppb	Continuous	Continuous	0	8	80	
		-	15/11/13	19/11/13	O5	ppb	Continuous	Continuous	2	24	91	
	Point 13 - Air emissions monitoring	-	-	1/11/13	NOx	ppm	Continuous	Continuous	<2878g/min			
		-	-	1/11/13	O&G	mg/L	Weekly during any discharge	3	No visual			
		-	-	1/11/13	pH		Weekly during any discharge	3	8.1	8.1	8.1	
	Point 12 - Process Water Effluent quality monitoring	1/10/13	22/10/13	24/10/13	O&G	mg/L	Monthly	1	7			
		1/10/13	22/10/13	24/10/13	pH		Monthly	1	7.25			
		1/10/13	22/10/13	24/10/13	BOD	mg/L	Monthly	1	11			
		1/10/13	22/10/13	24/10/13	FC	units/100ml	Monthly	1	0			
		1/10/13	22/10/13	24/10/13	O&G	mg/L	Monthly	1	<3			
		1/10/13	22/10/13	24/10/13	TN	mg/L	Monthly	1	30			
		1/10/13	22/10/13	24/10/13	TDS	mg/L	Monthly	1	535			
	Point 16 - Septic waste water Effluent quality monitoring	1/10/13	22/10/13	24/10/13	TP	mg/L	Monthly	1	18			
	Nov-13	Point 10 - Ambient air and weather monitoring station	-	12/12/13	13/12/13	NOx	ppb	Continuous	Continuous	0	10	96
			-	12/12/13	13/12/13	O4	ppb	Continuous	Continuous	2	21	78
Point 13 - Air emissions monitoring		-	-	13/12/13	NOx	ppm	Continuous	Continuous	<2878g/min			
		-	-	10/12/13	O&G	mg/L	Weekly during any discharge	5	No visual			
		-	-	10/12/13	pH		Weekly during any discharge	5	6.56	7.4	7.89	
Point 12 - Process Water Effluent quality monitoring		4/11/13	26/11/13	27/11/13	O&G	mg/L	Monthly	1	8			
		4/11/13	26/11/13	27/11/13	pH		Monthly	1	7.4			
		4/11/13	26/11/13	27/11/13	BOD	mg/L	Monthly	1	10			
		4/11/13	26/11/13	27/11/13	FC	units/100ml	Monthly	1	0			
		4/11/13	26/11/13	27/11/13	O&G	mg/L	Monthly	1	<3			
		4/11/13	26/11/13	27/11/13	TN	mg/L	Monthly	1	25			
		4/11/13	26/11/13	27/11/13	TDS	mg/L	Monthly	1	428			
Point 16 - Septic waste water Effluent quality monitoring		4/11/13	26/11/13	27/11/13	TP	mg/L	Monthly	1	16			
		-	13/01/14	27/01/14	NOx	ppb	Continuous	Continuous	0	7	99	
		Point 10 - Ambient air and weather monitoring station	-	13/01/14	27/01/14	O5	ppb	Continuous	Continuous	1	22	85
	Point 13 - Air emissions monitoring	-	-	3/01/14	NOx	ppm	Continuous	Continuous	<2878g/min			
	-	-	3/01/14	O&G	mg/L	Weekly during any discharge	4	No visual				

Dec-13	Point 11 - First Flush Effluent quality monitoring	-	-	3/01/14	pH		Weekly during any discharge	4	6.84	7.12	7.45
	Point 12 - Process Water Effluent quality monitoring	3/12/13	20/12/13	2/01/14	O&G	mg/L	Monthly	1	8		
		3/12/13	20/12/13	2/01/14	pH		Monthly	1	7.26		
	Point 16 - Septic waste water Effluent quality monitoring	3/12/13	20/12/13	2/01/14	BOD	mg/L	Monthly	1	8		
		3/12/13	20/12/13	2/01/14	FC	units/100ml	Monthly	1	0		
		3/12/13	20/12/13	2/01/14	O&G	mg/L	Monthly	1	<3		
		3/12/13	20/12/13	2/01/14	TN	mg/L	Monthly	1	26		
		3/12/13	20/12/13	2/01/14	TDS	mg/L	Monthly	1	420		
3/12/13		20/12/13	2/01/14	TP	mg/L	Monthly	1	14			
Jan-14	Point 10 - Ambient air and weather monitoring station	-	12/02/14	13/01/14	NOx	ppb	Continuous	Continuous	0	6	92
	Point 10 - Ambient air and weather monitoring station	-	12/02/14	13/01/14	O5	ppb	Continuous	Continuous	0	20	97
	Point 13 - Air emissions monitoring	-	-	11/02/14	NOx	ppm	Continuous	Continuous	<2878g/min		
	Point 11 - First Flush Effluent quality monitoring	-	-	11/02/14	O&G	mg/L	Weekly during any discharge	1	No visual		
		-	-	11/02/14	pH		Weekly during any discharge	1	7.24		
	Point 12 - Process Water Effluent quality monitoring	6/01/14	20/01/14	29/01/14	O&G	mg/L	Monthly	1	4		
		20/01/14	20/01/14	29/01/14	pH		Monthly	1	7.49		
	Point 16 - Septic waste water Effluent quality monitoring	20/01/14	20/01/14	29/01/14	BOD	mg/L	Monthly	1	7		
		20/01/14	20/01/14	29/01/14	FC	units/100ml	Monthly	1	0		
		20/01/14	20/01/14	29/01/14	O&G	mg/L	Monthly	1	<3		
		20/01/14	20/01/14	29/01/14	TN	mg/L	Monthly	1	24		
		20/01/14	20/01/14	29/01/14	TDS	mg/L	Monthly	1	440		
		20/01/14	20/01/14	29/01/14	TP	mg/L	Monthly	1	16		
	Feb-14	Point 10 - Ambient air and weather monitoring station	-	13/03/14	18/03/14	NOx	ppb	Continuous	Continuous	0	7
Point 10 - Ambient air and weather monitoring station		-	13/03/14	18/03/14	O6	ppb	Continuous	Continuous	0	18	65
Point 13 - Air emissions monitoring		-	-	7/03/14	NOx	ppm	Continuous	Continuous	<2878g/min		
Point 11 - First Flush Effluent quality monitoring		-	-	7/03/14	O&G	mg/L	Weekly during any discharge	8	No visual		
		-	-	7/03/14	pH		Weekly during any discharge	8	6.62	7.29	7.92
Point 12 - Process Water Effluent quality monitoring		5/02/14	24/02/14	27/02/14	O&G	mg/L	Monthly	1	6		
		5/02/14	24/02/14	27/02/14	pH		Monthly	1	7.36		
Point 16 - Septic waste water Effluent quality monitoring		5/02/14	24/02/14	27/02/14	BOD	mg/L	Monthly	1	9		
		5/02/14	24/02/14	27/02/14	FC	units/100ml	Monthly	1	0		
		5/02/14	24/02/14	27/02/14	O&G	mg/L	Monthly	1	<3		
		5/02/14	24/02/14	27/02/14	TN	mg/L	Monthly	1	25		
		5/02/14	24/02/14	27/02/14	TDS	mg/L	Monthly	1	451		
		5/02/14	24/02/14	27/02/14	TP	mg/L	Monthly	1	14		
Point 10 - Ambient air and weather monitoring station		-	10/04/14	11/04/14	NOx	ppb	Continuous	Continuous	0	7	78
	-	10/04/14	11/04/14	O4	ppb	Continuous	Continuous	-1	15	54	
	Point 13 - Air emissions monitoring	-	-	2/04/14	NOx	ppm	Continuous	Continuous	<2878g/min		
	-	-	2/04/14	O&G	mg/L	Weekly during any discharge	10	No visual			

Mar-14	Point 11 - First Flush Effluent quality monitoring	-	-	2/04/14	pH		Weekly during any discharge	10	7.07	7.40	7.8
	Point 12 - Process Water Effluent quality monitoring	4/03/14	18/03/14	28/03/14	O&G	mg/L	Monthly	1	5		
		4/03/14	18/03/14	28/03/14	pH		Monthly	1	7.51		
		4/03/14	18/03/14	28/03/14	BOD	mg/L	Monthly	1	7		
		4/03/14	18/03/14	28/03/14	FC	units/100ml	Monthly	1	0		
		4/03/14	18/03/14	28/03/14	O&G	mg/L	Monthly	1	<3		
		4/03/14	18/03/14	28/03/14	TN	mg/L	Monthly	1	24		
		4/03/14	18/03/14	28/03/14	TDS	mg/L	Monthly	1	362		
Point 16 - Septic waste water Effluent quality monitoring	4/03/14	18/03/14	28/03/14	TP	mg/L	Monthly	1	17			
Apr-14	Point 10 - Ambient air and weather monitoring station	-	12/05/14	15/05/14	NOx	ppb	Continuous	Continuous	0	10	93
	Point 10 - Ambient air and weather monitoring station	-	12/05/14	15/05/14	O5	ppb	Continuous	Continuous	-1	16	43
	Point 13 - Air emissions monitoring	-	-	15/05/14	NOx	ppm	Continuous	Continuous	<2878g/min		
		-	-	15/05/14	O&G	mg/L	Weekly during any discharge	6	Nil observed		
		-	-	15/05/14	pH		Weekly during any discharge	6	8.3 mean		
	Point 12 - Process Water Effluent quality monitoring	1/04/14	16/04/14	30/04/14	O&G	mg/L	Monthly	1	<5		
		1/04/14	16/04/14	30/04/14	pH		Monthly	1	7.39		
		1/04/14	16/04/14	30/04/14	BOD	mg/L	Monthly	1	8		
		1/04/14	16/04/14	30/04/14	FC	units/100ml	Monthly	1	<1		
		1/04/14	16/04/14	30/04/14	O&G	mg/L	Monthly	1	<3		
		1/04/14	16/04/14	30/04/14	TN	mg/L	Monthly	1	26.6		
		1/04/14	16/04/14	30/04/14	TDS	mg/L	Monthly	1	392		
	Point 16 - Septic waste water Effluent quality monitoring	1/04/14	16/04/14	30/04/14	TP	mg/L	Monthly	1	16		
	May-14	Point 10 - Ambient air and weather monitoring station	-	12/06/14	18/06/14	NOx	ppb	Continuous	Continuous	1	14
Point 10 - Ambient air and weather monitoring station		-	12/06/14	18/06/14	O5	ppb	Continuous	Continuous	-1	14	34
Point 13 - Air emissions monitoring		-	-	18/06/14	NOx	ppm	Continuous	Continuous	<2878g/min		
		-	-	18/06/14	O&G	mg/L	Weekly during any discharge	0	Not required		
		-	-	18/06/14	pH		Weekly during any discharge	0	Not required		
Point 12 - Process Water Effluent quality monitoring		5/05/14	15/05/14	30/05/14	O&G	mg/L	Monthly	1	5		
		5/05/14	15/05/14	30/05/14	pH		Monthly	1	7.53		
		5/05/14	15/05/14	30/05/14	Salinity	ppt	Monthly		0.322		
		5/05/14	15/05/14	30/05/14	TSS	mg/L	Monthly		3		
		5/05/14	15/05/14	30/05/14	BOD	mg/L	Monthly	1	8		
		5/05/14	15/05/14	30/05/14	FC	units/100ml	Monthly	1	<1		
		5/05/14	15/05/14	30/05/14	O&G	mg/L	Monthly	1	<3		
		5/05/14	15/05/14	30/05/14	TN	mg/L	Monthly	1	33		
		5/05/14	15/05/14	30/05/14	TDS	mg/L	Monthly	1	428		
	Point 16 - Septic waste water Effluent quality monitoring	5/05/14	15/05/14	30/05/14	TP	mg/L	Monthly	1	20		
	-	9/07/14	14/07/14	NOx	ppb	Continuous	Continuous	0	7	77	
	Point 10 - Ambient air and weather monitoring station	-	9/07/14	14/07/14	O6	ppb	Continuous	Continuous	-1	-	29
	Point 13 - Air emissions monitoring	-	-	2/07/14	NOx	ppm	Continuous	Continuous	<2878g/min		

Jun-14		-	-	2/07/14	O&G	mg/L	Weekly during any discharge	6	No visual		
	Point 11 - First Flush Effluent quality monitoring	-	-	2/07/14	pH		Weekly during any discharge	6	7.6	8.25	8.6
	Point 12 - Process Water Effluent quality monitoring	10/06/14	24/06/14	2/07/14	O&G	mg/L	Monthly	1	7		
		10/06/14	24/06/14	2/07/14	pH		Monthly	1	6.94		
		10/06/14	24/06/14	2/07/14	Salinity	ppt	Monthly	1	0.246		
		10/06/14	24/06/14	2/07/14	TSS	mg/L	Monthly	1	6		
	Point 16 - Septic waste water Effluent quality monitoring	10/06/14	24/06/14	2/07/14	BOD	mg/L	Monthly	1	9		
		10/06/14	24/06/14	2/07/14	FC	units/100ml	Monthly	1	<1		
		10/06/14	24/06/14	2/07/14	O&G	mg/L	Monthly	1	<3		
		10/06/14	24/06/14	2/07/14	TN	mg/L	Monthly	1	26		
		10/06/14	24/06/14	2/07/14	TDS	mg/L	Monthly	1	451		
		10/06/14	24/06/14	2/07/14	TP	mg/L	Monthly	1	18		