

**Appin Power Station**

Licence Number: 5482

EDL CSM (NSW) PTY LTD  
PO BOX 4046

Licence Holder: Eight Mile Plains 4113

Appin Coal Seam Methane Power Station

Licensee Address: Northhampton Dale Road Appin NSW 2560

Month: FY 2016-2017

Month	Location of monitoring point	Sampled	Obtained	Published	Pollutant	Units	Monitoring frequency (licence)	Measurement during month	Min	Mean	Max	
Jul-16	Point 10 - Ambient air and weather monitoring station	-	-	2/11/16	NOx	ppb	Continuous	Cont.	0	5	52	
	Point 10 - Ambient air and weather monitoring station	-	-	2/11/16	O3	ppb	Continuous	Cont.	-1	-	26	
	Point 13 - Air emissions monitoring	-	-	2/11/16	NOx	ppm	Continuous	Cont.	<2878g/min			
	Point 11 - First Flush Effluent quality monitoring				2/11/16	O&G	mg/L	Weekly during any discharge	9	No visual		
					2/11/16	pH		Weekly during any discharge	9	7.7	7.9	8
					2/11/16	Salinity		Monthly	1	0.03		
					2/11/16	TSS		Monthly	1	5		
					2/11/16	O&G		Monthly	1	<5		
	Point 12 - Process Water Effluent quality monitoring				2/11/16	pH		Monthly	1	7.11		
					2/11/16	Salinity	ppt	Monthly	1	0.202		
					2/11/16	TSS	mg/L	Monthly	1	4		
					2/11/16	BOD	mg/L	Monthly	1	9		
					2/11/16	FC	units/100ml	Monthly	1	<10		
	Point 16 - Septic waste water Effluent quality monitoring				2/11/16	O&G	mg/L	Monthly	1	<3		
					2/11/16	TN	mg/L	Monthly	1	35		
2/11/16					TDS	mg/L	Monthly	1	471			
2/11/16					TP	mg/L	Monthly	1	15			
2/11/16					NOx	ppb	Continuous	Cont.	0	12	237	
2/11/16					O3	ppb	Continuous	Cont.	-1	-	32	
2/11/16					NOx	ppm	Continuous	Cont.	<2878g/min			
Aug-16	Point 11 - First Flush Effluent quality monitoring			2/11/16	O&G	mg/L	Weekly during any discharge	4	No visual			
				2/11/16	pH		Weekly during any discharge	4	7.8	8.3	8.6	
				2/11/16	Salinity		Monthly	1	0.33			
				2/11/16	TSS		Monthly	1	1			
				2/11/16	O&G		Monthly	1	<5			
	Point 12 - Process Water Effluent quality monitoring				2/11/16	pH		Monthly	1	7.3		
					2/11/16	Salinity	ppt	Monthly	1	0.237		
					2/11/16	TSS	mg/L	Monthly	1	8		
					2/11/16	BOD	mg/L	Monthly	1	26		
					2/11/16	FC	units/100ml	Monthly	1	<1		
	Point 16 - Septic waste water Effluent quality monitoring				2/11/16	O&G	mg/L	Monthly	1	<3		
					2/11/16	TN	mg/L	Monthly	1	30		
					2/11/16	TDS	mg/L	Monthly	1	445		
					2/11/16	TP	mg/L	Monthly	1	38		
					2/11/16	NOx	ppb	Continuous	Cont.	0	10	231
Sep-16	Point 11 - First Flush Effluent quality monitoring			2/11/16	pH		Weekly during any discharge	13	7.7	8	8.2	
				2/11/16	Salinity		Monthly	1	0.363			
				2/11/16	TSS		Monthly	1	1			
				2/11/16	O&G		Monthly	1	<5			
				2/11/16	pH		Monthly	1	7.36			
	Point 12 - Process Water Effluent quality monitoring				2/11/16	Salinity	ppt	Monthly	1	0.158		
					2/11/16	TSS	mg/L	Monthly	1	4		
					2/11/16	BOD	mg/L	Monthly	1	28		
					2/11/16	FC	units/100ml	Monthly	1	<1		
					2/11/16	O&G	mg/L	Monthly	1	<3		
	Point 16 - Septic waste water Effluent quality monitoring				2/11/16	TN	mg/L	Monthly	1	42		
					2/11/16	TDS	mg/L	Monthly	1	535		
					2/11/16	TP	mg/L	Monthly	1	10		
					2/11/16	NOx	ppb	Continuous	Cont.	0	7	223
					2/11/16	O3	ppb	Continuous	Cont.	0	21	45
Oct-16	Point 11 - First Flush Effluent quality monitoring			17/11/16	O&G	mg/L	Weekly during any discharge	13	No visual			
				17/11/16	pH		Weekly during any discharge	13	7.6	8.1	8.4	
				17/11/16	Salinity		Monthly	1	0.379			
				17/11/16	TSS		Monthly	1	3			
				17/11/16	O&G		Monthly	1	<5			
	Point 12 - Process Water Effluent quality monitoring				17/11/16	pH		Monthly	1	7.32		
					17/11/16	Salinity	ppt	Monthly	1	0.161		
					17/11/16	TSS	mg/L	Monthly	1	2		
					17/11/16	BOD	mg/L	Monthly	1	9		
					17/11/16	FC	units/100ml	Monthly	1	<1		
	Point 16 - Septic waste water Effluent quality monitoring				17/11/16	O&G	mg/L	Monthly	1	<3		
					17/11/16	TN	mg/L	Monthly	1	35		
					17/11/16	TDS	mg/L	Monthly	1	486		
					17/11/16	TP	mg/L	Monthly	1	15		
					17/11/16	NOx	ppb	Continuous	Cont.	0	7	223

Nov-16	Point 10 - Ambient air and weather monitoring station	12/12/16	12/12/16	13/12/16	NOx	ppb	Continuous	Cont.	0	7	195	
		12/12/16	12/12/16	13/12/16	O3	ppb	Continuous	Cont.	-1	21	76	
	Point 13 - Air emissions monitoring			13/12/16	NOx	ppm	Continuous	Cont.	<2878g/min			
	Point 11 - First Flush Effluent quality monitoring			-	O&G	mg/L	Weekly during any discharge		5	No visual		
				-	pH		Weekly during any discharge		5	8	8.16	8.33
				-	Salinity		Monthly		0			
				-	TSS		Monthly		0			
	Point 12 - Process Water Effluent quality monitoring	2/11/16	28/11/16	7/12/16	O&G	mg/L	Monthly		1	<5		
		2/11/16	28/11/16	7/12/16	pH		Monthly		1	7.3		
		2/11/16	28/11/16	7/12/16	Salinity	ppt	Monthly		1	0.143		
	Point 16 - Septic waste water Effluent quality monitoring	2/11/16	28/11/16	7/12/16	TSS	mg/L	Monthly		1	2		
		2/11/16	28/11/16	7/12/16	BOD	mg/L	Monthly		1	<2		
		3/11/16	28/11/16	7/12/16	FC	units/100ml	Monthly		1	<1		
		2/11/16	28/11/16	7/12/16	O&G	mg/L	Monthly		1	<3		
2/11/16		28/11/16	7/12/16	TN	mg/L	Monthly		1	31			
2/11/16		28/11/16	7/12/16	TDS	mg/L	Monthly		1	323			
2/11/16		28/11/16	7/12/16	TP	mg/L	Monthly		1	12			
Dec-16	Point 10 - Ambient air and weather monitoring station	12/01/17	12/01/17	1/02/17	NOx	ppb	Continuous	Cont.	0	6	124	
		12/01/17	12/01/17	1/02/17	O3	ppb	Continuous	Cont.	-1	23	75	
	Point 13 - Air emissions monitoring			18/01/17	NOx	ppm	Continuous	Cont.	<2878g/min			
	Point 11 - First Flush Effluent quality monitoring			18/01/17	O&G	mg/L	Weekly during any discharge		4	No visual		
				18/01/17	pH		Weekly during any discharge		4	7.21	8	8.5
		2/12/16	15/12/16	18/01/17	Salinity		Monthly		1	0.399		
	Point 12 - Process Water Effluent quality monitoring	2/12/16	15/12/16	18/01/17	TSS		Monthly		1	5		
		2/12/16	15/12/16	18/01/17	O&G	mg/L	Monthly		1	6		
		2/12/16	15/12/16	18/01/17	pH		Monthly		1	7.02		
		2/12/16	15/12/16	18/01/17	Salinity	ppt	Monthly		1	0.192		
	Point 16 - Septic waste water Effluent quality monitoring	2/12/16	15/12/16	18/01/17	TSS	mg/L	Monthly		1	6		
		2/12/16	15/12/16	18/01/17	BOD	mg/L	Monthly		1	9		
		2/12/16	15/12/16	18/01/17	FC	units/100ml	Monthly		1	<1		
		2/12/16	15/12/16	18/01/17	O&G	mg/L	Monthly		1	<3		
2/12/16		15/12/16	18/01/17	TN	mg/L	Monthly		1	22			
2/12/16		15/12/16	18/01/17	TDS	mg/L	Monthly		1	325			
2/12/16		15/12/16	18/01/17	TP	mg/L	Monthly		1	8.1			
Jan-17	Point 10 - Ambient air and weather monitoring station	10/02/17	10/02/17	13/02/17	NOx	ppb	Continuous	Cont.	0	1	14	
		10/02/17	10/02/17	13/02/17	O3	ppb	Continuous	Cont.	0	6	74	
	Point 13 - Air emissions monitoring			13/02/17	NOx	ppm	Continuous	Cont.	<2878g/min			
	Point 11 - First Flush Effluent quality monitoring			13/02/17	O&G	mg/L	Weekly during any discharge		4	No visual		
				13/02/17	pH		Weekly during any discharge		4	7.51	7.952	8.31
		4/01/17	24/01/17	13/02/17	Salinity		Monthly		1	0.411		
	Point 12 - Process Water Effluent quality monitoring	4/01/17	24/01/17	13/02/17	TSS		Monthly		1	2		
		4/01/17	24/01/17	13/02/17	O&G	mg/L	Monthly		1	<5		
		4/01/17	24/01/17	13/02/17	pH		Monthly		1	7.36		
		4/01/17	24/01/17	13/02/17	Salinity	ppt	Monthly		1	0.161		
	Point 16 - Septic waste water Effluent quality monitoring	4/01/17	24/01/17	13/02/17	TSS	mg/L	Monthly		1	4		
		4/01/17	24/01/17	13/02/17	BOD	mg/L	Monthly		1	8		
		5/01/17	24/01/17	13/02/17	FC	units/100ml	Monthly		1	<1		
		4/01/17	24/01/17	13/02/17	O&G	mg/L	Monthly		1	<3		
4/01/17		24/01/17	13/02/17	TN	mg/L	Monthly		1	19			
4/01/17		24/01/17	13/02/17	TDS	mg/L	Monthly		1	308			
4/01/17		24/01/17	13/02/17	TP	mg/L	Monthly		1	12			
Feb-17	Point 10 - Ambient air and weather monitoring station	10/03/17	10/03/17	15/03/17	NOx	ppb	Continuous	Cont.	0	10	353	
		10/03/17	10/03/17	15/03/17	O3	ppb	Continuous	Cont.	-2	20	76	
	Point 13 - Air emissions monitoring			15/03/17	NOx	ppm	Continuous	Cont.	<2878g/min			
	Point 11 - First Flush Effluent quality monitoring			10/03/17	O&G	mg/L	Weekly during any discharge		4	No visual		
				10/03/17	pH		Weekly during any discharge		4	7.7	8	8.28
		3/02/17	21/02/17	10/03/17	Salinity		Monthly			0.516		
	Point 12 - Process Water Effluent quality monitoring	3/02/17	21/02/17	10/03/17	TSS		Monthly			5		
		3/02/17	21/02/17	10/03/17	O&G	mg/L	Monthly			<5		
		3/02/17	21/02/17	18/12/00	pH		Monthly			7.3		
		3/02/17	21/02/17	10/03/17	Salinity	ppt	Monthly			0.122		
	Point 16 - Septic waste water Effluent quality monitoring	3/02/17	21/02/17	10/03/17	TSS	mg/L	Monthly			1		
		3/02/17	21/02/17	10/03/17	BOD	mg/L	Monthly			8		
		3/02/17	21/02/17	10/03/17	FC	units/100ml	Monthly			<1		
		3/02/17	21/02/17	10/03/17	O&G	mg/L	Monthly			<3		
3/02/17		21/02/17	10/03/17	TN	mg/L	Monthly			19			
3/02/17		21/02/17	10/03/17	TDS	mg/L	Monthly			318			
3/02/17		21/02/17	10/03/17	TP	mg/L	Monthly			18			
Mar-17	Point 10 - Ambient air and weather monitoring station	12/04/17	12/04/17	19/04/17	NOx	ppb	Continuous	Cont.	0	6	89	
		12/04/17	12/04/17	19/04/17	O3	ppb	Continuous	Cont.	1	16	65	
	Point 13 - Air emissions monitoring		31/03/17	19/04/17	NOx	ppm	Continuous	Cont.	<2878g/min			
	Point 11 - First Flush Effluent quality monitoring			11/04/17	O&G	mg/L	Weekly during any discharge		4	No Visual		
				11/04/17	pH		Weekly during any discharge		4	7.5	7.76	7.93
		2/03/17	31/03/17	11/04/17	Salinity		Monthly			0.171		
	Point 12 - Process Water Effluent quality monitoring	2/03/17	31/03/17	11/04/17	TSS		Monthly			1		
		2/03/17	31/03/17	11/04/17	O&G	mg/L	Monthly			<5		
		2/03/17	31/03/17	11/04/17	pH		Monthly			7.75		
		2/03/17	31/03/17	11/04/17	Salinity	ppt	Monthly			0.118		
	Point 16 - Septic waste water Effluent quality monitoring	2/03/17	31/03/17	11/04/17	TSS	mg/L	Monthly			1		
		2/03/17	31/03/17	11/04/17	BOD	mg/L	Monthly			18		
		3/03/17	31/03/17	11/04/17	FC	units/100ml	Monthly			<1		
		2/03/17	31/03/17	11/04/17	O&G	mg/L	Monthly			<3		
2/03/17		31/03/17	11/04/17	TN	mg/L	Monthly			27			
2/03/17		31/03/17	11/04/17	TDS	mg/L	Monthly			344			
	2/03/17	31/03/17	11/04/17	TP	mg/L	Monthly			11			

The First Flush samples were not collected as the storage pits were empty at the time of collection

Apr-17	Point 10 - Ambient air and weather monitoring station		12/05/17	19/05/17	NOx	ppb	Continuous	Cont.	0	13	225	
			12/05/17	19/05/17	O3	ppb	Continuous	Cont.	-1	15	43	
	Point 13 - Air emissions monitoring		3/05/17	19/05/17	NOx	ppm	Continuous	Cont.	<2878g/min			
	Point 11 - First Flush Effluent quality monitoring			3/05/17	O&G	mg/L	Weekly during any discharge		4	No visual		
				3/05/17	pH		Weekly during any discharge		4	8.01	8.08	8.12
		4/04/17	26/04/17	3/05/17	Salinity	ppt	Monthly		0.28			
	Point 12 - Process Water Effluent quality monitoring	4/04/17	26/04/17	3/05/17	TSS		Monthly		<1			
		4/04/17	26/04/17	3/05/17	O&G	mg/L	Monthly		<5			
		4/04/17	26/04/17	3/05/17	pH		Monthly		7.13			
		4/04/17	26/04/17	3/05/17	Salinity	ppt	Monthly		0.154			
	Point 16 - Septic waste water Effluent quality monitoring	4/04/17	26/04/17	3/05/17	TSS	mg/L	Monthly		10			
		4/04/17	26/04/17	3/05/17	BOD	mg/L	Monthly		14			
		4/04/17	26/04/17	3/05/17	FC	units/100ml	Monthly		<1			
		4/04/17	26/04/17	3/05/17	O&G	mg/L	Monthly		<3			
4/04/17		26/04/17	3/05/17	TN	mg/L	Monthly		38				
4/04/17		26/04/17	3/05/17	TDS	mg/L	Monthly		369				
4/04/17		26/04/17	3/05/17	TP	mg/L	Monthly		8.6				
May-17	Point 10 - Ambient air and weather monitoring station		14/06/17	19/06/17	NOx	ppb	Continuous	Cont.	1	13	110	
			14/06/17	19/06/17	O3	ppb	Continuous	Cont.	-1	15	32	
	Point 13 - Air emissions monitoring		7/06/17	14/06/17	NOx	ppm	Continuous	Cont.	<2878g/min			
	Point 11 - First Flush Effluent quality monitoring			7/06/17	14/06/17	O&G	mg/L	Weekly during any discharge		No Visual		
				7/06/17	14/06/17	pH		Weekly during any discharge		8.10	8.23	8.4
		2/05/17	19/05/17	19/05/17	Salinity	ppt	Monthly		0			
	Point 12 - Process Water Effluent quality monitoring	2/05/17	19/05/17	19/05/17	TSS	mg/L	Monthly		0			
		2/05/17	19/05/17	19/05/17	O&G	mg/L	Monthly		<5			
		2/05/17	19/05/17	19/05/17	pH		Monthly		7.5			
		2/05/17	19/05/17	19/05/17	Salinity	ppt	Monthly		0.165			
	Point 16 - Septic waste water Effluent quality monitoring	2/05/17	19/05/17	19/05/17	TSS	mg/L	Monthly		2			
		2/05/17	19/05/17	19/05/17	BOD	mg/L	Monthly		23			
		2/05/17	19/05/17	19/05/17	FC	units/100ml	Monthly		<1			
		2/05/17	19/05/17	19/05/17	O&G	mg/L	Monthly		<3			
2/05/17		19/05/17	19/05/17	TN	mg/L	Monthly		15				
2/05/17		19/05/17	19/05/17	TDS	mg/L	Monthly		466				
2/05/17	19/05/17	19/05/17	TP	mg/L	Monthly		11					
Jun-17	Point 10 - Ambient air and weather monitoring station		13/07/17	13/07/17	NOx	ppb	Continuous	Cont.	1	12	127	
			13/07/17	13/07/17	O3	ppb	Continuous	Cont.	-1	14	27	
	Point 13 - Air emissions monitoring		3/07/17	5/07/17	NOx	ppm	Continuous	Cont.	<2878g/min			
	Point 11 - First Flush Effluent quality monitoring			3/07/17	5/07/17	O&G	mg/L	Weekly during any discharge		No Visual		
		2/06/17	3/07/17	5/07/17	pH		Weekly during any discharge		7.60	8.016	8.2	
		1/06/17	21/06/17	5/07/17	Salinity	ppt	Monthly		0			
	Point 12 - Process Water Effluent quality monitoring	1/06/17	21/06/17	5/07/17	TSS	mg/L	Monthly		0			
		1/06/17	21/06/17	5/07/17	O&G	mg/L	Monthly		<5			
		1/06/17	21/06/17	5/07/17	pH		Monthly		7.19			
		1/06/17	21/06/17	5/07/17	Salinity	ppt	Monthly		0.161			
		1/06/17	21/06/17	5/07/17	TDS	mg/L	Monthly		135			
	Point 16 - Septic waste water Effluent quality monitoring	1/06/17	21/06/17	5/07/17	TSS	mg/L	Monthly		2			
		1/06/17	21/06/17	5/07/17	BOD	mg/L	Monthly		28			
		1/06/17	21/06/17	5/07/17	FC	units/100ml	Monthly		<1			
1/06/17		21/06/17	5/07/17	O&G	mg/L	Monthly		<3				
1/06/17		21/06/17	5/07/17	TN	mg/L	Monthly		31				
1/06/17		21/06/17	5/07/17	TDS	mg/L	Monthly		454				
1/06/17	21/06/17	5/07/17	TSS	mg/L	Monthly		9					
1/06/17	21/06/17	5/07/17	TP	mg/L	Monthly		12					

The First Flush samples were not collected as the storage pits were empty at the time of collection