

Appin Power Station
Licence Number: 5482
Licence Holder: EDL CSM (NSW) PTY LTD
Licensee Address: Appin Coal Seam Methane Power Station
Northampton Dale Road Appin NSW 2560



Dates: Reporting Period: 3 May 2025 - 2 May 2026
Frequency: Continuous monitoring for ambient NO_x, O₃ (taken off site) and point source NO₃ air emissions;
Spot sampling weekly during discharge for First Flush pH and, oil and grease (O&G);
Spot sampling monthly for Process Water Effluent pH and oil and grease (O&G);
Spot sampling monthly for Septic Effluent biological oxygen demand (BOD), fecal coliforms (FC), 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)
Jul-25	Point 13 - Air emissions monitoring		1/08/25	5/08/25	NO _x	ppm	Continuous	Continuous		1916		<2878 g/min	No
	Point 11 - First Flush Effluent quality monitoring		3/08/25	5/08/25	O&G	visible	Weekly during discharge	9		Nil		nil visual	No
			3/08/25	5/08/25	pH		Weekly during discharge	9	7.80	8.2	8.4	6.5-8.5	No
	Point 12 - Process Water Effluent quality monitoring	4/07/25	21/07/25	5/08/25	O&G	visible	Monthly	1		<5		nil visual	No
		4/07/25	21/07/25	5/08/25	pH		Monthly	1		6.94		6.5-8.5	No
	Point 16 - Septic waste water Effluent quality monitoring	4/07/25	21/07/25	5/08/25	BOD	mg/L	Monthly	1		<5			
		4/07/25	21/07/25	5/08/25	FC	cfu/100mL	Monthly	1		<10			
		4/07/25	21/07/25	5/08/25	TN	mg/L	Monthly	1		44			
		4/07/25	21/07/25	5/08/25	TDS	mg/L	Monthly	1		320			
		4/07/25	21/07/25	5/08/25	TP	mg/L	Monthly	1		4.3			
Aug-25	Point 13 - Air emissions monitoring		1/09/25	9/09/25	NO _x	ppm	Continuous	Continuous		1815		<2878 g/min	No
	Point 11 - First Flush Effluent quality monitoring		3/09/25	9/09/25	O&G	visible	Weekly during discharge	16		Nil		nil visual	No
			3/09/25	9/09/25	pH		Weekly during discharge	16	7.36	7.85	8.21	6.5-8.5	No
	Point 12 - Process Water Effluent quality monitoring	6/08/25	15/08/25	9/09/25	O&G	visible	Monthly	1		<5		nil visual	No
		6/08/25	15/08/25	9/09/25	pH		Monthly	1		7.26		6.5-8.5	No
	Point 16 - Septic waste water Effluent quality monitoring	6/08/25	15/08/25	9/09/25	BOD	mg/L	Monthly	1		9			
		6/08/25	11/08/25	9/09/25	FC	cfu/100mL	Monthly	1		30,000			
		6/08/25	15/08/25	9/09/25	TN	mg/L	Monthly	1		42			
		6/08/25	15/08/25	9/09/25	TDS	mg/L	Monthly	1		284			
		6/08/25	15/08/25	9/09/25	TP	mg/L	Monthly	1		3.3			
Sep-25	Point 13 - Air emissions monitoring		1/09/25	9/10/25	NO _x	ppm	Continuous	Continuous		1,828		<2878 g/min	No
	Point 11 - First Flush Effluent quality monitoring		1/09/25	9/10/25	O&G	visible	Weekly during discharge	9		Nil		nil visual	No
			1/09/25	9/10/25	pH		Weekly during discharge	9	7.16	7.81	8.3	6.5-8.5	No
	Point 12 - Process Water Effluent quality monitoring	4/09/25	16/09/25	9/10/25	O&G	visible	Monthly	1		<5		nil visual	No
		4/09/25	16/09/25	9/10/25	pH		Monthly	1		6.88		6.5-8.5	No
	Point 16 - Septic waste water Effluent quality monitoring	3/09/25	17/09/25	9/10/25	BOD	mg/L	Monthly	1		<5			
		3/09/25	17/09/25	9/10/25	FC	cfu/100mL	Monthly	1		<10			
		4/09/25	17/09/25	9/10/25	TN	mg/L	Monthly	1		61			
		4/09/25	17/09/25	9/10/25	TDS	mg/L	Monthly	1		385			
		4/09/25	17/09/25	9/10/25	TP	mg/L	Monthly	1		4.4			
Oct-25	Point 13 - Air emissions monitoring		3/11/25	4/11/25	NO _x	ppm	Continuous	Continuous		1,518		<2878 g/min	No
	Point 11 - First Flush Effluent quality monitoring		3/11/25	3/11/25	O&G	mg/L	Weekly during discharge	7		Nil		nil visual	No
			3/11/25	3/11/25	pH		Weekly during discharge	7	7.11	7.66	8.3	6.5-8.5	No
	Point 12 - Process Water Effluent quality monitoring	2/10/25	17/10/25	21/10/25	O&G	mg/L	Monthly	1		<5		nil visual	No
		2/10/25	17/10/25	21/10/25	pH		Monthly	1		6.85		6.5-8.5	No
	Point 16 - Septic waste water Effluent quality monitoring	2/10/25	17/10/25	21/10/25	BOD	mg/L	Monthly	1		10			
		2/10/25	9/10/25	13/10/25	FC	cfu/100mL	Monthly	1		55,000			
		2/10/25	17/10/25	21/10/25	TN	mg/L	Monthly	1		65			
		2/10/25	17/10/25	21/10/25	TDS	mg/L	Monthly	1		410			
		2/10/25	17/10/25	21/10/25	TP	mg/L	Monthly	1		8.4			
Nov-25	Point 13 - Air emissions monitoring		1/12/25	1/12/25	NO _x	ppm	Continuous	Continuous		1,490		<2878 g/min	No
	Point 11 - First Flush Effluent quality monitoring		3/12/25	3/12/25	O&G	mg/L	Weekly during discharge	8		Nil		nil visual	No
			3/12/25	3/12/25	pH		Weekly during discharge	8	7.19	7.79	8.08	6.5-8.5	No
	Point 12 - Process Water Effluent quality monitoring	5/11/25	24/11/25	25/11/25	O&G	mg/L	Monthly	1		<5		nil visual	No
		5/11/25	24/11/25	25/11/25	pH		Monthly	1		7.22		6.5-8.5	No
	Point 16 - Septic waste water Effluent quality monitoring	5/11/25	24/11/25	25/11/25	BOD	mg/L	Monthly	1		7			
		5/11/25	7/11/25	10/11/25	FC	cfu/100mL	Monthly	1		580			
		5/11/25	24/11/25	25/11/25	TN	mg/L	Monthly	1		58			
		5/11/25	24/11/25	25/11/25	TDS	mg/L	Monthly	1		373			
		5/11/25	24/11/25	25/11/25	TP	mg/L	Monthly	1		8.3			
Dec-25	Point 13 - Air emissions monitoring		1/01/26	7/01/26	NO _x	ppm	Continuous	Continuous		1,656		<2878 g/min	No
	Point 11 - First Flush Effluent quality monitoring		3/01/26	7/01/26	O&G	mg/L	Weekly during discharge	10		Nil		nil visual	No
			3/01/26	7/01/26	pH		Weekly during discharge	10	7.20	7.78	8.3	6.5-8.5	No
	Point 12 - Process Water Effluent quality monitoring	3/12/25	16/12/25	17/12/25	O&G	mg/L	Monthly	1		<5		nil visual	No
		3/12/25	16/12/25	17/12/25	pH		Monthly	1		6.85		6.5-8.5	No
	Point 16 - Septic waste water Effluent quality monitoring	3/12/25	16/12/25	17/12/25	BOD	mg/L	Monthly	1		7			
		3/12/25	9/12/25	12/12/25	FC	cfu/100mL	Monthly	1		400			
		3/12/25	16/12/25	17/12/25	TN	mg/L	Monthly	1		40			
		3/12/25	16/12/25	17/12/25	TDS	mg/L	Monthly	1		337			
		3/12/25	16/12/25	17/12/25	TP	mg/L	Monthly	1		11			
Jan-26	Point 13 - Air emissions monitoring		1/02/26	2/02/26	NO _x	ppm	Continuous	Continuous		1,914		<2,878 g/min	No
	Point 11 - First Flush Effluent quality monitoring		3/02/26	4/02/26	O&G	mg/L	Weekly during discharge	12		Nil		nil visual	No
			3/02/26	4/02/26	pH		Weekly during discharge	12	7.30	7.77	8.2	6.5-8.5	No
	Point 12 - Process Water Effluent quality monitoring	13/01/26	21/01/26	22/01/26	O&G	mg/L	Monthly	1		<5		nil visual	No
		13/01/26	21/01/26	22/01/26	pH		Monthly	1		6.94		6.5-8.5	No
	Point 16 - Septic waste water Effluent quality monitoring	13/01/26	21/01/26	22/01/26	BOD	mg/L	Monthly	1		<5			
		12/01/26	22/01/26	22/01/26	FC	cfu/100mL	Monthly	1		<10			
		13/01/26	21/01/26	22/01/26	TN	mg/L	Monthly	1		48			
		13/01/26	21/01/26	22/01/26	TDS	mg/L	Monthly	1		443			
		13/01/26	21/01/26	22/01/26	TP	mg/L	Monthly	1		7.6			
	Point 13 - Air emissions monitoring		1/03/26	2/03/26	NO _x	ppm	Continuous	Continuous		1,743		<2878 g/min	No
	Point 11 - First Flush Effluent quality monitoring		3/03/26	3/03/26	O&G	mg/L	Weekly during discharge	10		Nil		nil visual	No
			3/03/26	3/03/26	pH		Weekly during discharge	10	7.25	7.58	7.85	6.5-8.5	No
	Point 12 - Process Water Effluent	5/02/26	17/02/26	18/02/26	O&G	mg/L	Monthly	1		<5		nil visual	No

Feb-26	quality monitoring	5/02/26	17/02/26	18/02/26	pH		Monthly	1	7.35			6.5-8.5	No
	Point 16 - Septic waste water Effluent quality monitoring	5/02/26	17/02/26	18/02/26	BOD	mg/L	Monthly	1	<5				
		4/02/26	17/02/26	18/02/26	FC	cfu/100mL	Monthly	1	900				
		5/02/26	17/02/26	18/02/26	TN	mg/L	Monthly	1	54				
		5/02/26	17/02/26	18/02/26	TDS	mg/L	Monthly	1	465				
		5/02/26	17/02/26	18/02/26	TP	mg/L	Monthly	1	8.9				
Mar-26	Point 13 - Air emissions monitoring		1/04/26	7/04/26	NOx	ppm	Continuous	Continuous	1,912			<2878 g/min	No
	Point 11 - First Flush Effluent quality monitoring		3/04/26	7/04/26	O&G	mg/L	Weekly during discharge	14	Nil			nil visual	No
			3/04/26	7/04/26	pH		Weekly during discharge	14	6.92	7.40	8.01	6.5-8.5	No
	Point 12 - Process Water Effluent quality monitoring	5/03/26	24/03/26	25/03/26	O&G	mg/L	Monthly	1	<5			nil visual	No
		5/03/26	24/03/26	25/03/26	pH		Monthly	1	7.36			6.5-8.5	No
	Point 16 - Septic waste water Effluent quality monitoring	4/03/26	24/03/26	24/03/26	BOD	mg/L	Monthly	1	7				
		4/03/26	24/03/26	24/03/26	FC	cfu/100mL	Monthly	1	1600				
		4/03/26	24/03/26	24/03/26	TN	mg/L	Monthly	1	56				
		4/03/26	24/03/26	24/03/26	TDS	mg/L	Monthly	1	402				
4/03/26		24/03/26	24/03/26	TP	mg/L	Monthly	1	6.4					
		4/03/26	24/03/26	24/03/26									
Apr-26	Point 13 - Air emissions monitoring		1/05/26	5/05/26	NOx	ppm	Continuous	Continuous	2,276			<2878 g/min	No
	Point 11 - First Flush Effluent quality monitoring		3/05/26	5/05/26	O&G	mg/L	Weekly during discharge	9	Nil			nil visual	No
			3/05/26	5/05/26	pH		Weekly during discharge	9	7.26	7.74	8.20	6.5-8.5	No
	Point 12 - Process Water Effluent quality monitoring	9/04/26	21/04/26	22/04/26	O&G	mg/L	Monthly	1	<5			nil visual	No
		9/04/26	21/04/26	22/04/26	pH		Monthly	1	7.10			6.5-8.5	No
	Point 16 - Septic waste water Effluent quality monitoring	9/04/26	21/04/26	22/04/26	BOD	mg/L	Monthly	1	7				
		7/04/26	13/04/26	13/04/26	FC	cfu/100mL	Monthly	1	<10				
		9/04/26	21/04/26	22/04/26	TN	mg/L	Monthly	1	26				
		9/04/26	21/04/26	22/04/26	TDS	mg/L	Monthly	1	414				
9/04/26		21/04/26	22/04/26	TP	mg/L	Monthly	1	8.4					
		9/04/26	21/04/26	22/04/26									
May-26	Point 13 - Air emissions monitoring		1/06/26	1/06/26	NOx	ppm	Continuous	Continuous	1,819			<2878 g/min	No
	Point 11 - First Flush Effluent quality monitoring		3/06/26	4/06/26	O&G	mg/L	Weekly during discharge	7	Nil			nil visual	No
			3/06/26	4/06/26	pH		Weekly during discharge	7	7.25	7.75	8.30	6.5-8.5	No
	Point 12 - Process Water Effluent quality monitoring	8/05/26	18/05/26	19/05/26	O&G	mg/L	Monthly	1	<5			nil visual	No
		8/05/26	18/05/26	19/05/26	pH		Monthly	1	7.30			6.5-8.5	No
	Point 16 - Septic waste water Effluent quality monitoring	8/05/26	18/05/26	19/05/26	BOD	mg/L	Monthly	1	<5				
		8/05/26	18/05/26	19/05/26	FC	cfu/100mL	Monthly	1	<10				
		8/05/26	18/05/26	19/05/26	TN	mg/L	Monthly	1	16				
		8/05/26	18/05/26	19/05/26	TDS	mg/L	Monthly	1	485				
8/05/26		18/05/26	19/05/26	TP	mg/L	Monthly	1	9.28					
		8/05/26	18/05/26	19/05/26									
Jun-26	Point 13 - Air emissions monitoring		1/07/26	3/07/26	NOx	ppm	Continuous	Continuous	2,388			<2878 g/min	No
	Point 11 - First Flush Effluent quality monitoring		3/07/26	3/07/26	O&G	mg/L	Weekly during discharge	3	Nil			nil visual	No
			3/07/26	3/07/26	pH		Weekly during discharge	3	7.56	7.65	7.77	6.5-8.5	No
	Point 12 - Process Water Effluent quality monitoring	3/06/26	29/06/26	3/07/26	O&G	mg/L	Monthly	1	<5			nil visual	No
		3/06/26	29/06/26	3/07/26	pH		Monthly	1	7.00			6.5-8.5	No
	Point 16 - Septic waste water Effluent quality monitoring	3/06/26	29/06/26	3/07/26	BOD	mg/L	Monthly	1	10				
		3/06/26	10/06/26	11/06/26	FC	cfu/100mL	Monthly	1	10				
		3/06/26	29/06/26	3/07/26	TN	mg/L	Monthly	1	53				
		3/06/26	29/06/26	3/07/26	TDS	mg/L	Monthly	1	416				
3/06/26		29/06/26	3/07/26	TP	mg/L	Monthly	1	10					
		3/06/26	29/06/26	3/07/26									