

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 NH₃, CO₂, O₃ (taken off site) and point source NO_x 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), faecal coliforms (FC), total nitrogen (TN), TDS, total phosphorus (TP).

Month	Location of monitoring point	Sampled	Observed	Published	Pollutant	Units	Monitoring frequency (licence)	Measurement during month	Min	Mean	Max	Licence limit	Exceedance (Yes/No)		
May-25	Point 13 - Air emissions monitoring		1/08/25	4/08/25	NO _x	ppm	Continuous	Continuous		2041		<2878 g/min	No		
	Point 11 - First Flush Effluent quality monitoring		3/08/25	4/08/25	O&G	mg/L	Weekly during discharge	13		NI		nil visual	No		
	Point 12 - Process Water Effluent quality monitoring		3/08/25	4/08/25	pH		Weekly during discharge	13	7.05	7.7	8.49	6.5-8.5	No		
	Point 16 - Septic waste water Effluent quality monitoring		6/05/25	2/10/25	4/08/25	O&G	mg/L	Monthly	1	<5			nil visual	No	
			6/05/25	2/10/25	4/08/25	pH		Monthly	1	6.99			6.5-8.5	No	
			6/05/25	2/10/25	4/08/25	BOD	mg/L	Monthly	1	8			nil visual	No	
			6/05/25	2/10/25	4/08/25	FC	cfu/100mL	Monthly	1	<1					No
			6/05/25	2/10/25	4/08/25	TN	mg/L	Monthly	1	54					No
			6/05/25	2/10/25	4/08/25	TDS	mg/L	Monthly	1	464					No
		6/05/25	2/10/25	4/08/25	TP	mg/L	Monthly	1	5.8						No
Jun-25	Point 13 - Air emissions monitoring		1/07/25	3/07/25	NO _x	ppm	Continuous	Continuous		2525		<2878 g/min	No		
	Point 11 - First Flush Effluent quality monitoring		3/07/25	3/07/25	O&G	mg/L	Weekly during discharge	6		NI		nil visual	No		
	Point 12 - Process Water Effluent quality monitoring		3/07/25	3/07/25	pH		Weekly during discharge	6	7.75	8.01	8.3	6.5-8.5	No		
	Point 16 - Septic waste water Effluent quality monitoring		5/06/25	1/07/25	3/07/25	O&G	mg/L	Monthly	1	<5			nil visual	No	
			5/06/25	1/07/25	3/07/25	pH		Monthly	1	7.50			6.5-8.5	No	
			5/06/25	1/07/25	3/07/25	BOD	mg/L	Monthly	1	<5					No
			5/06/25	1/07/25	3/07/25	FC	cfu/100mL	Monthly	1	<10					No
			5/06/25	1/07/25	3/07/25	TN	mg/L	Monthly	1	25					No
			5/06/25	1/07/25	3/07/25	TDS	mg/L	Monthly	1	350					No
		5/06/25	1/07/25	3/07/25	TP	mg/L	Monthly	1	5.1						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		NI		nil visual	No		
	Point 12 - Process Water Effluent quality monitoring		3/08/25	5/08/25	pH		Weekly during discharge	9	7.80	8.2	8.4	6.5-8.5	No		
	Point 16 - Septic waste water Effluent quality monitoring		4/07/25	2/10/25	5/08/25	O&G	visible	Monthly	1	<5			nil visual	No	
			4/07/25	2/10/25	5/08/25	pH		Monthly	1	6.94			6.5-8.5	No	
			4/07/25	2/10/25	5/08/25	BOD	mg/L	Monthly	1	<5					No
			4/07/25	2/10/25	5/08/25	FC	cfu/100mL	Monthly	1	<10					No
			4/07/25	2/10/25	5/08/25	TN	mg/L	Monthly	1	44					No
			4/07/25	2/10/25	5/08/25	TDS	mg/L	Monthly	1	320					No
		4/07/25	2/10/25	5/08/25	TP	mg/L	Monthly	1	4.3						No
Aug-25	Point 13 - Air emissions monitoring		1/09/25	9/09/25	NO _x	ppm	Continuous	Continuous		1915		<2878 g/min	No		
	Point 11 - First Flush Effluent quality monitoring		3/09/25	9/09/25	O&G	visible	Weekly during discharge	16		NI		nil visual	No		
	Point 12 - Process Water Effluent quality monitoring		3/09/25	9/09/25	pH		Weekly during discharge	16	7.36	7.85	8.21	6.5-8.5	No		
	Point 16 - Septic waste water Effluent quality monitoring		6/08/25	15/09/25	9/09/25	O&G	visible	Monthly	1	<5			nil visual	No	
			6/08/25	15/09/25	9/09/25	pH		Monthly	1	7.26			6.5-8.5	No	
			6/08/25	15/09/25	9/09/25	BOD	mg/L	Monthly	1	9					No
			6/08/25	15/09/25	9/09/25	FC	cfu/100mL	Monthly	1	30,000					No
			6/08/25	15/09/25	9/09/25	TN	mg/L	Monthly	1	42					No
			6/08/25	15/09/25	9/09/25	TDS	mg/L	Monthly	1	284					No
		6/08/25	15/09/25	9/09/25	TP	mg/L	Monthly	1	3.3						No
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		NI		nil visual	No		
	Point 12 - Process Water Effluent quality monitoring		1/09/25	9/10/25	pH		Weekly during discharge	9	7.16	7.81	8.3	6.5-8.5	No		
	Point 16 - Septic waste 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	
			4/09/25	16/09/25	9/10/25	BOD	mg/L	Monthly	1	<5					No
			4/09/25	16/09/25	9/10/25	FC	cfu/100mL	Monthly	1	<10					No
			4/09/25	16/09/25	9/10/25	TN	mg/L	Monthly	1	61					No
			4/09/25	16/09/25	9/10/25	TDS	mg/L	Monthly	1	365					No
		4/09/25	16/09/25	9/10/25	TP	mg/L	Monthly	1	4.4						No
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		NI		nil visual	No		
	Point 12 - Process Water Effluent quality monitoring		2/10/25	17/10/25	pH		Weekly during discharge	7	7.11	7.86	8.3	6.5-8.5	No		
	Point 16 - Septic waste 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	
			2/10/25	17/10/25	21/10/25	BOD	mg/L	Monthly	1	10					No
			2/10/25	17/10/25	21/10/25	FC	cfu/100mL	Monthly	1	55,000					No
			2/10/25	17/10/25	21/10/25	TN	mg/L	Monthly	1	65					No
			2/10/25	17/10/25	21/10/25	TDS	mg/L	Monthly	1	410					No
		2/10/25	17/10/25	21/10/25	TP	mg/L	Monthly	1	8.4						No
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		NI		nil visual	No		
	Point 12 - Process Water Effluent quality monitoring		3/12/25	3/12/25	pH		Weekly during discharge	8	7.19	7.79	8.08	6.5-8.5	No		
	Point 16 - Septic waste 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	
			5/11/25	24/11/25	25/11/25	BOD	mg/L	Monthly	1	7					No
			5/11/25	24/11/25	25/11/25	FC	cfu/100mL	Monthly	1	580					No
			5/11/25	24/11/25	25/11/25	TN	mg/L	Monthly	1	58					No
			5/11/25	24/11/25	25/11/25	TDS	mg/L	Monthly	1	373					No
		5/11/25	24/11/25	25/11/25	TP	mg/L	Monthly	1	8.3						No
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		NI		nil visual	No		
	Point 12 - Process Water Effluent quality monitoring		3/01/26	7/01/26	pH		Weekly during discharge	10	7.20	7.78	8.3	6.5-8.5	No		
	Point 16 - Septic waste water Effluent quality monitoring		3/12/25	18/12/25	17/12/25	O&G	mg/L	Monthly	1	<5			nil visual	No	
			3/12/25	18/12/25	17/12/25	pH		Monthly	1	6.85			6.5-8.5	No	
			3/12/25	18/12/25	17/12/25	BOD	mg/L	Monthly	1	7					No
			3/12/25	18/12/25	17/12/25	FC	cfu/100mL	Monthly	1	400					No
			3/12/25	18/12/25	17/12/25	TN	mg/L	Monthly	1	40					No
			3/12/25	18/12/25	17/12/25	TDS	mg/L	Monthly	1	337					No
		3/12/25	18/12/25	17/12/25	TP	mg/L	Monthly	1	11						No
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		NI		nil visual	No		
	Point 12 - Process Water Effluent quality monitoring		3/02/26	4/02/26	pH		Weekly during discharge	12	7.30	7.77	8.2	6.5-8.5	No		
	Point 16 - Septic waste water Effluent quality monitoring		1/30/26	2/10/26	22/01/26	O&G	mg/L	Monthly	1	<5			nil visual	No	
			1/30/26	2/10/26	22/01/26	pH		Monthly	1	6.94			6.5-8.5	No	
			1/30/26	2/10/26	22/01/26	BOD	mg/L	Monthly	1	<5					No
			1/30/26	2/10/26	22/01/26	FC	cfu/100mL	Monthly	1	<10					No
			1/30/26	2/10/26	22/01/26	TN	mg/L	Monthly	1	46					No
			1/30/26	2/10/26	22/01/26	TDS	mg/L	Monthly	1	463					No
		1/30/26	2/10/26	22/01/26	TP	mg/L	Monthly	1	7.8						No
Feb-26	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		NI		nil visual	No		
	Point 12 - Process Water Effluent quality monitoring		3/03/26	3/03/26	pH		Weekly during discharge	10	7.25	7.58	7.85	6.5-8.5	No		
	Point 16 - Septic waste water Effluent quality monitoring		5/02/26	17/02/26	18/02/26	O&G	mg/L	Monthly	1	<5			nil visual	No	
			5/02/26	17/02/26	18/02/26	pH		Monthly	1	7.38			6.5-8.5	No	
			5/02/26	17/02/26	18/02/26	BOD	mg/L	Monthly	1	<5					