

Appin Power Station
 Licence Number: 5452
 Licence Holder: EDL CSM (NSW) PTY LTD
 Licence Address: Appin Coal Seam Methane Power Station
 Northampton Dale Road Appin NSW 2596



Dates: Reporting Period: 3 May 2025 - 2 May 2026
 Frequency: Continuous monitoring for ambient NOx, 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), total phosphorus (TP)

Month	Location of monitoring point	Sampled	Obtained	Published	Pollutant	Units	Monitoring frequency	Measurement device/month	Min	Mean	Max	License limit	Exceedance	
May-25	Point 13 - Air emissions monitoring	1/06/25	4/06/25	NOx	ppm	Continuous	Continuous			2041		<2878 g/min	No	
	Point 11 - First Flush Effluent quality monitoring	3/06/25	4/06/25	O&G	mg/L	Weekly during discharge	13			Nil		nil visual	No	
	Point 12 - Process Water Effluent quality monitoring	3/06/25	4/06/25	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	21/05/25	4/06/25	O&G	mg/L	Monthly	1			<5		nil visual	No
		6/05/25	21/05/25	4/06/25	BOD	mg/L	Monthly	1			6.89		6.5-8.5	No
		6/05/25	21/05/25	4/06/25	FC	cfu/100mL	Monthly	1			<1		nil visual	No
		6/05/25	21/05/25	4/06/25	TDS	mg/L	Monthly	1			454		nil visual	No
	6/05/25	21/05/25	4/06/25	TP	mg/L	Monthly	1			5.8		nil visual	No	
	Jun-25	Point 13 - Air emissions monitoring	1/07/25	3/07/25	NOx	ppm	Continuous	Continuous			2252		<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			Nil		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	16/07/25	3/07/25	pH	mg/L	Monthly	1			<5		6.5-8.5	No
		5/06/25	16/07/25	3/07/25	BOD	mg/L	Monthly	1			7.50		6.5-8.5	No
		5/06/25	16/07/25	3/07/25	FC	cfu/100mL	Monthly	1			<5		nil visual	No
		5/06/25	16/07/25	3/07/25	TN	mg/L	Monthly	1			<10		6.5-8.5	No
5/06/25		16/07/25	3/07/25	TP	mg/L	Monthly	1			25		nil visual	No	
5/06/25		16/07/25	3/07/25	TDS	mg/L	Monthly	1			350		nil visual	No	
5/06/25		16/07/25	3/07/25	TP	mg/L	Monthly	1			5.1		nil visual	No	
Jul-25	Point 13 - Air emissions monitoring	1/08/25	5/08/25	NOx	ppm	Continuous	Continuous			1916		<2878 g/min	No	
	Point 11 - First Flush Effluent quality monitoring	3/08/25	5/08/25	O&G	mg/L	Weekly during discharge	9			Nil		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	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
		4/07/25	21/07/25	5/08/25	BOD	mg/L	Monthly	1			<5		nil visual	No
		4/07/25	21/07/25	5/08/25	FC	cfu/100mL	Monthly	1			<10		6.5-8.5	No
	4/07/25	21/07/25	5/08/25	TN	mg/L	Monthly	1			44		nil visual	No	
	4/07/25	21/07/25	5/08/25	TDS	mg/L	Monthly	1			320		nil visual	No	
	4/07/25	21/07/25	5/08/25	TP	mg/L	Monthly	1			4.3		nil visual	No	
Aug-25	Point 13 - Air emissions monitoring	1/09/25	9/09/25	NOx	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	10			Nil		nil visual	No	
	Point 12 - Process Water Effluent quality monitoring	3/09/25	9/09/25	pH		Weekly during discharge	10	7.36	7.85	8.21		6.5-8.5	No	
	Point 16 - Septic waste water Effluent quality monitoring	8/08/25	15/08/25	9/09/25	O&G	visible	Monthly	1			<5		nil visual	No
		8/08/25	15/08/25	9/09/25	pH		Monthly	1			7.28		6.5-8.5	No
		8/08/25	15/08/25	9/09/25	BOD	mg/L	Monthly	1			9		6.5-8.5	No
		8/08/25	15/08/25	9/09/25	FC	cfu/100mL	Monthly	1			30,000		nil visual	No
	8/08/25	15/08/25	9/09/25	TN	mg/L	Monthly	1			42		6.5-8.5	No	
	8/08/25	15/08/25	9/09/25	TDS	mg/L	Monthly	1			284		nil visual	No	
	8/08/25	15/08/25	9/09/25	TP	mg/L	Monthly	1			3.3		nil visual	No	
Sep-25	Point 13 - Air emissions monitoring	1/09/25	9/10/25	NOx	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	
	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	18/09/25	9/10/25	O&G	visible	Monthly	1			<5		nil visual	No
		4/09/25	18/09/25	9/10/25	pH		Monthly	1			6.88		6.5-8.5	No
		4/09/25	18/09/25	9/10/25	BOD	mg/L	Monthly	1			<5		nil visual	No
		4/09/25	18/09/25	9/10/25	FC	cfu/100mL	Monthly	1			<10		6.5-8.5	No
	4/09/25	18/09/25	9/10/25	TN	mg/L	Monthly	1			61		6.5-8.5	No	
	4/09/25	18/09/25	9/10/25	TDS	mg/L	Monthly	1			365		nil visual	No	
	4/09/25	18/09/25	9/10/25	TP	mg/L	Monthly	1			4.4		nil visual	No	
Oct-25	Point 13 - Air emissions monitoring	3/11/25	4/11/25	NOx	ppm	Continuous	Continuous			1,518		<2878 g/min	No	
	Point 11 - First Flush Effluent quality monitoring	3/11/25	4/11/25	O&G	mg/L	Weekly during discharge	7			Nil		nil visual	No	
	Point 12 - Process Water Effluent quality monitoring	3/11/25	4/11/25	pH		Weekly during discharge	7	7.11	7.66	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		6.5-8.5	No
		2/10/25	17/10/25	21/10/25	FC	cfu/100mL	Monthly	1			55,000		nil visual	No
	2/10/25	17/10/25	21/10/25	TN	mg/L	Monthly	1			65		6.5-8.5	No	
	2/10/25	17/10/25	21/10/25	TDS	mg/L	Monthly	1			410		nil visual	No	
	2/10/25	17/10/25	21/10/25	TP	mg/L	Monthly	1			8.4		nil visual	No	
Nov-25	Point 13 - Air emissions monitoring	1/12/25	1/12/25	NOx	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	
	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		6.5-8.5	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		6.5-8.5	No
		5/11/25	24/11/25	25/11/25	FC	cfu/100mL	Monthly	1			580		nil visual	No
	5/11/25	24/11/25	25/11/25	TN	mg/L	Monthly	1			58		6.5-8.5	No	
	5/11/25	24/11/25	25/11/25	TDS	mg/L	Monthly	1			373		nil visual	No	
	5/11/25	24/11/25	25/11/25	TP	mg/L	Monthly	1			8.3		nil visual	No	
Dec-25	Point 13 - Air emissions monitoring	1/01/26	7/01/26	NOx	ppm	Continuous	Continuous			1,658		<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	
	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		6.5-8.5	No
		3/12/25	18/12/25	17/12/25	FC	cfu/100mL	Monthly	1			400		nil visual	No
	3/12/25	18/12/25	17/12/25	TN	mg/L	Monthly	1			40		6.5-8.5	No	
	3/12/25	18/12/25	17/12/25	TDS	mg/L	Monthly	1			337		nil visual	No	
	3/12/25	18/12/25	17/12/25	TP	mg/L	Monthly	1			11		nil visual	No	
Jan-26	Point 13 - Air emissions monitoring	1/02/26	2/02/26	NOx	ppm	Continuous	Continuous			1,914		<2878 g/min	No	
	Point 11 - First Flush Effluent quality monitoring	3/02/26	4/02/26	O&G	mg/L	Weekly during discharge	11			Nil		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	18/01/26	21/01/26	22/01/26	O&G	mg/L	Monthly	1			<5		nil visual	No
		18/01/26	21/01/26	22/01/26	pH		Monthly	1			6.94		6.5-8.5	No
		18/01/26	21/01/26	22/01/26	BOD	mg/L	Monthly	1			<5		6.5-8.5	No
		18/01/26	21/01/26	22/01/26	FC	cfu/100mL	Monthly	1			<10		nil visual	No
	18/01/26	21/01/26	22/01/26	TN	mg/L	Monthly	1			48		6.5-8.5	No	
	18/01/26	21/01/26	22/01/26	TDS	mg/L	Monthly	1			443		nil visual	No	
	18/01/26	21/01/26	22/01/26	TP	mg/L	Monthly	1			7.8		nil visual	No	
Feb-26	Point 13 - Air emissions monitoring	1/03/26	2/03/26	NOx	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	
	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			7.35		6.5-8.5	No
		5/02/26	17/02/26	18/02/26	BOD	mg/L	Monthly	1			<5		nil visual	No
		5/02/26	17/02/26	18/02/26	FC	cfu/100mL	Monthly	1			900		6.5-8.5	No
	5/02/26	17/02/26	18/02/26	TN	mg/L	Monthly	1			54		6.5-8.5	No	
	5/02/26	17/02/26	18/02/26	TDS	mg/L									