

Applon Power Station
 License Number: 2482
 License Holder: EDL CSM (NSW) PTY LTD
 License Address: Applon Coal Seam Methane Power Station
 Northmead Coal Road Applon NSW 2560
 Dates: FY 2022-23



Frequency: Continuous monitoring for ambient NOx, CO (taken off site) and point source NO2 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), total coliforms (FC), O&G, total nitrogen (TN), TDS, total phosphorus (TP).

Month	Location of monitoring point	Sampled	Observed	Published	Pollutants	Units	Monitoring frequency (license)	Measurement during month	Min	Mean	Max	License limit	Exceedance (Yes/No)		
Jul-22	Point 10 - Ambient air and weather monitoring station	12/08/22	15/08/22	NOx	ppb	Continuous	Continuous	Continuous	-1	7	191				
	Point 13 - Air emissions monitoring	12/08/22	15/08/22	NOx	ppm	Continuous	Continuous	Continuous	1	20	33				
	Point 11 - First Flush Effluent quality monitoring	25/07/22	4/08/22	O&G	mg/L	Wetley during any discharge	15	NA				nil visual	No		
	Point 12 - Process Water Effluent quality monitoring	8/07/22	26/07/22	4/08/22	Salinity	gpt	Wetley during any discharge	15	7.12	7.58	8.45	6.5-8.5	No		
		8/07/22	26/07/22	4/08/22	TSS	mg/L	Wetley during any discharge	1	2				nil visual	No	
		8/07/22	26/07/22	4/08/22	O&G	mg/L	Wetley during any discharge	1	45				nil visual	No	
		8/07/22	26/07/22	4/08/22	pH		Wetley during any discharge	1	7.29				6.5-8.5	No	
		8/07/22	26/07/22	4/08/22	Salinity	gpt	Wetley during any discharge	1	6.165						
		8/07/22	26/07/22	4/08/22	TDS	mg/L	Wetley during any discharge	1	142						
		8/07/22	26/07/22	4/08/22	TSS	mg/L	Wetley during any discharge	1	4						
		8/07/22	26/07/22	4/08/22	O&G	mg/L	Wetley during any discharge	1	<3						
		8/07/22	26/07/22	4/08/22	FC	dur/100mL	Wetley during any discharge	1	<5						
8/07/22		26/07/22	4/08/22	TN	mg/L	Wetley during any discharge	1	26							
8/07/22	26/07/22	4/08/22	TSS	mg/L	Wetley during any discharge	1	14								
8/07/22	26/07/22	4/08/22	TP	mg/L	Wetley during any discharge	1	3								
Aug-22	Point 10 - Ambient air and weather monitoring station	12/09/22	19/09/22	NOx	ppb	Continuous	Continuous	Continuous	0	6	48				
	Point 13 - Air emissions monitoring	12/09/22	19/09/22	NOx	ppm	Continuous	Continuous	Continuous	1	19	34				
	Point 11 - First Flush Effluent quality monitoring	22/08/22	30/08/22	O&G	mg/L	Wetley during any discharge	12	NA				nil visual	No		
	Point 12 - Process Water Effluent quality monitoring	5/08/22	22/08/22	30/08/22	pH		Wetley during any discharge	12	7.05	7.26	8.24	6.5-8.5	No		
		5/08/22	22/08/22	30/08/22	Salinity	gpt	Wetley during any discharge	1	2.27						
		5/08/22	22/08/22	30/08/22	TSS	mg/L	Wetley during any discharge	1	<5				nil visual	No	
		5/08/22	22/08/22	30/08/22	O&G	mg/L	Wetley during any discharge	1	2.28					6.5-8.5	No
		5/08/22	22/08/22	30/08/22	Salinity	gpt	Wetley during any discharge	1	6.13						
		5/08/22	22/08/22	30/08/22	TSS	mg/L	Wetley during any discharge	1	109						
		5/08/22	22/08/22	30/08/22	TSS	mg/L	Wetley during any discharge	1	2						
		5/08/22	22/08/22	30/08/22	O&G	mg/L	Wetley during any discharge	1	<3						
		5/08/22	22/08/22	30/08/22	FC	dur/100mL	Wetley during any discharge	1	<10						
5/08/22		22/08/22	30/08/22	TN	mg/L	Wetley during any discharge	1	64							
5/08/22	22/08/22	30/08/22	TDS	mg/L	Wetley during any discharge	1	209								
5/08/22	22/08/22	30/08/22	TSS	mg/L	Wetley during any discharge	1	12								
5/08/22	22/08/22	30/08/22	TP	mg/L	Wetley during any discharge	1	1								
Sep-22	Point 10 - Ambient air and weather monitoring station	12/10/22	17/10/22	NOx	ppb	Continuous	Continuous	Continuous	0	7	88				
	Point 13 - Air emissions monitoring	12/10/22	17/10/22	NOx	ppm	Continuous	Continuous	Continuous	1	21	38				
	Point 11 - First Flush Effluent quality monitoring	21/09/22	28/09/22	O&G	mg/L	Wetley during any discharge	12	NA				nil visual	No		
	Point 12 - Process Water Effluent quality monitoring	6/09/22	21/09/22	28/09/22	pH		Wetley during any discharge	12	7.18	7.35	7.94	6.5-8.5	No		
		6/09/22	21/09/22	28/09/22	Salinity	gpt	Wetley during any discharge	1	2.03						
		6/09/22	21/09/22	28/09/22	TSS	mg/L	Wetley during any discharge	1	19						
		6/09/22	21/09/22	28/09/22	O&G	mg/L	Wetley during any discharge	1	6					nil visual	No
		6/09/22	21/09/22	28/09/22	pH		Wetley during any discharge	1	7.28					6.5-8.5	No
		6/09/22	21/09/22	28/09/22	Salinity	gpt	Wetley during any discharge	1	6.112						
		6/09/22	21/09/22	28/09/22	TSS	mg/L	Wetley during any discharge	1	59						
		6/09/22	21/09/22	28/09/22	O&G	mg/L	Wetley during any discharge	1	<3						
		6/09/22	21/09/22	28/09/22	FC	dur/100mL	Wetley during any discharge	1	7						
6/09/22		21/09/22	28/09/22	TN	mg/L	Wetley during any discharge	1	1							
6/09/22	21/09/22	28/09/22	TDS	mg/L	Wetley during any discharge	1	65								
6/09/22	21/09/22	28/09/22	TSS	mg/L	Wetley during any discharge	1	243								
6/09/22	21/09/22	28/09/22	TP	mg/L	Wetley during any discharge	1	18								
6/09/22	21/09/22	28/09/22	TP	mg/L	Wetley during any discharge	1	3.3								
Oct-22	Point 13 - Air emissions monitoring	7/11/22	7/11/22	NOx	ppm	Continuous	Continuous	Continuous	<2878	gmm	<2878	gmm	No		
	Point 11 - First Flush Effluent quality monitoring	31/10/22	7/11/22	O&G	mg/L	Wetley during any discharge	17	NA				nil visual	No		
	Point 12 - Process Water Effluent quality monitoring	11/10/22	24/10/22	7/11/22	Salinity	gpt	Wetley during any discharge	17	6.95	7.39	7.95	6.5-8.5	No		
		11/10/22	24/10/22	7/11/22	TSS	mg/L	Wetley during any discharge	1	2						
		11/10/22	24/10/22	7/11/22	O&G	mg/L	Wetley during any discharge	1	2					nil visual	No
		11/10/22	24/10/22	7/11/22	pH		Wetley during any discharge	1	7.50					6.5-8.5	No
		11/10/22	24/10/22	7/11/22	Salinity	gpt	Wetley during any discharge	1	6.122						
		11/10/22	24/10/22	7/11/22	TSS	mg/L	Wetley during any discharge	1	30						
		11/10/22	24/10/22	7/11/22	TSS	mg/L	Wetley during any discharge	1	4						
		11/10/22	24/10/22	7/11/22	O&G	mg/L	Wetley during any discharge	1	<3						
		11/10/22	24/10/22	7/11/22	FC	dur/100mL	Wetley during any discharge	1	10						
		11/10/22	24/10/22	7/11/22	TN	mg/L	Wetley during any discharge	1	<10						
11/10/22	24/10/22	7/11/22	TDS	mg/L	Wetley during any discharge	1	148								
11/10/22	24/10/22	7/11/22	TSS	mg/L	Wetley during any discharge	1	20								
11/10/22	24/10/22	7/11/22	TP	mg/L	Wetley during any discharge	1	2.8								
Nov-22	Point 13 - Air emissions monitoring	13/11/22	14/11/22	NOx	ppm	Continuous	Continuous	Continuous	<2878	gmm	<2878	gmm	No		
	Point 11 - First Flush Effluent quality monitoring	29/11/22	14/11/22	O&G	mg/L	Wetley during discharge with no visible oil	16	NA				nil visual	No		
	Point 12 - Process Water Effluent quality monitoring	6/11/22	13/11/22	14/11/22	pH		Wetley during any discharge	16	6.95	7.39	7.9	6.5-8.5	No		
		6/11/22	13/11/22	14/11/22	Salinity	gpt	Wetley during any discharge	0	-						
		6/11/22	13/11/22	14/11/22	TSS	mg/L	Wetley during any discharge	0	-						
		6/11/22	13/11/22	14/11/22	O&G	mg/L	Wetley during any discharge	1	<5					nil visual	No
		6/11/22	13/11/22	14/11/22	pH		Wetley during any discharge	1	7.14					6.5-8.5	No
		6/11/22	13/11/22	14/11/22	Salinity	gpt	Wetley during any discharge	1	6.156						
		6/11/22	13/11/22	14/11/22	TSS	mg/L	Wetley during any discharge	1	152						
		6/11/22	13/11/22	14/11/22	O&G	mg/L	Wetley during any discharge	1	<5						
		6/11/22	13/11/22	14/11/22	FC	dur/100mL	Wetley during any discharge	1	10						
		6/11/22	13/11/22	14/11/22	TN	mg/L	Wetley during any discharge	1	62						
6/11/22	13/11/22	14/11/22	TDS	mg/L	Wetley during any discharge	1	374								
6/11/22	13/11/22	14/11/22	TSS	mg/L	Wetley during any discharge	1	15								
6/11/22	13/11/22	14/11/22	TP	mg/L	Wetley during any discharge	1	3.8								
Dec-22	Point 13 - Air emissions monitoring	17/01/23	18/01/23	NOx	ppm	Continuous	Continuous	Continuous	<2878	gmm	<2878	gmm	No		
	Point 11 - First Flush Effluent quality monitoring	30/12/22	18/01/23	O&G	mg/L	Wetley during discharge with no visible oil	7	NA				nil visual	No		
	Point 12 - Process Water Effluent quality monitoring	21/12/22	18/01/23	18/01/23	pH		Wetley during any discharge	7	7.11	7.52	8.04	6.5-8.5	No		
		21/12/22	18/01/23	18/01/23	Salinity	gpt	Wetley during any discharge	1	2.26						
		21/12/22	18/01/23	18/01/23	TSS	mg/L	Wetley during any discharge	1	1						
		21/12/22	18/01/23	18/01/23	O&G	mg/L	Wetley during any discharge	1	1					nil visual	No
		21/12/22	18/01/23	18/01/23	pH		Wetley during any discharge	1	7.68					6.5-8.5	No
		21/12/22	18/01/23	18/01/23	Salinity	gpt	Wetley during any discharge	1	6.156						
		21/12/22	18/01/23	18/01/23	TSS	mg/L	Wetley during any discharge	1	1						
		21/12/22	18/01/23	18/01/23	O&G	mg/L	Wetley during any discharge	1	<3						
		21/12/22	18/01/23	18/01/23	FC	dur/100mL	Wetley during any discharge	1	8						
		21/12/22	18/01/23	18/01/23	TN	mg/L	Wetley during any discharge	1	<1						
21/12/22	18/01/23	18/01/23	TDS	mg/L	Wetley during any discharge	1	624								
21/12/22	18/01/23	18/01/23	TSS	mg/L	Wetley during any discharge	1	9								
21/12/22	18/01/23	18/01/23	TP	mg/L	Wetley during any discharge	1	9.7								
Jan-23	Point 13 - Air emissions monitoring	22/02/23	9/03/23	NOx	ppm	Continuous	Continuous	Continuous	<2878	gmm	<2878	gmm	No		
	Point 11 - First Flush Effluent quality monitoring	30/23	9/03/23	O&G	mg/L	Wetley during discharge with no visible oil	30	NA				nil visual	No		
	Point 12 - Process Water Effluent quality monitoring	13/01/23	24/01/23	9/03/23	pH		Wetley during any discharge	13	6.81	7.32	7.83	6.5-8.5	No		
		13/01/23	24/01/23	9/03/23	Salinity	gpt	Wetley during any discharge	0	-						
		13/01/23													