

Tower Power Station

Licence Number: 5357
 Licence Holder: EDL CSM (NSW) PTY LTD
 Licensee Address: Douglas Park Drive
 Douglas Park NSW 2569

Dates: FY 2022-23

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 O&G, pH;
 Volume monitoring daily for waste water discharges.



Month	Location of monitoring point	Sampled	Obtained	Published	Pollutant	Units	Monitoring Frequency	Measurement during month	Min	Mean	Max	Licence Limit	Exceedance (Yes/No)		
Jul-22	Point 10 - Ambient air and weather monitoring station	12/08/22	15/08/22	NOx	ppb	Continuous	Continuous		-1	8	131				
		12/08/22	15/08/22	O3	ppb	Continuous	Continuous		1	20	33				
	Point 11 - Air emissions monitoring	12/08/22	15/08/22	NOx	ppm	Continuous	Continuous			< 2132 g/min		< 2132 g/min	No		
		26/07/22	4/08/22	O&G	mg/L	Weekly during any discharge	22			nil		nil visual	No		
	Point 8 - First Flush Effluent quality monitoring	3/08/22	8/08/22	pH		Weekly during any discharge	22		7.35	8.02	8.38	6.5-8.5	No		
		8/07/22	26/07/22	4/08/22	TSS	mg/L	No requirement	1		< 1					
		8/07/22	26/07/22	4/08/22	Salinity	ppt	No requirement	1		0.088					
		8/07/22	26/07/22	4/08/22	O&G	mg/L	Monthly	1		< 5		nil visual	No		
		8/07/22	26/07/22	4/08/22	pH		Monthly	1		6.86		6.5-8.5	No		
		8/07/22	26/07/22	4/08/22	TDS	mg/L	No requirement	1		104					
	Point 9 - Process Water Effluent quality monitoring	8/07/22	26/07/22	4/08/22	TSS	mg/L	No requirement	1		7					
		8/07/22	26/07/22	4/08/22	NOx	ppb	No requirement	1		0.12					
12/09/22		19/09/22	NOx	ppm	Continuous	Continuous		0	5	48					
12/09/22		19/09/22	O3	ppb	Continuous	Continuous		1	19	34					
22/08/22		30/08/22	O&G	mg/L	Weekly during any discharge	14			Nil		nil visual	No			
3/08/22		12/09/22	pH		Weekly during any discharge	14		7.78	8.09	8.3	6.5-8.5	No			
Aug-22	Point 10 - Ambient air and weather monitoring station	12/09/22	19/09/22	NOx	ppm	Continuous	Continuous			< 2132 g/min		< 2132 g/min	No		
		22/08/22	30/08/22	O&G	mg/L	Weekly during any discharge	14			Nil		nil visual	No		
	Point 8 - First Flush Effluent quality monitoring	3/08/22	12/09/22	pH		Weekly during any discharge	14			7.78		8.09	8.3	6.5-8.5	No
		5/08/22	22/08/22	30/08/22	TSS	mg/L	No requirement	0							
	5/08/22	22/08/22	30/08/22	Salinity	ppt	No requirement	0								
	5/08/22	22/08/22	30/08/22	O&G	mg/L	Monthly	1		< 5		nil visual	No			
	5/08/22	22/08/22	30/08/22	pH		Monthly	1		6.85		6.5-8.5	No			
	Point 9 - Process Water Effluent quality monitoring	5/08/22	22/08/22	30/08/22	TDS	mg/L	No requirement	1		131					
		5/08/22	22/08/22	30/08/22	TSS	mg/L	No requirement	1		5					
		5/08/22	22/08/22	30/08/22	Salinity	ppt	No requirement	1		0.148					
		5/08/22	22/08/22	30/08/22	NOx	ppb	Continuous	Continuous		0	7	68			
	Sep-22	Point 10 - Ambient air and weather monitoring station	12/10/22	17/10/22	O3	ppb	Continuous	Continuous		1	21	38			
21/09/22			29/09/22	O&G	mg/L	Weekly during any discharge	17			< 2132 g/min		< 2132 g/min	No		
Point 11 - Air emissions monitoring		12/10/22	17/10/22	NOx	ppm	Continuous	Continuous			Nil		nil visual	No		
		21/09/22	29/09/22	O&G	mg/L	Weekly during any discharge	17			7.31		7.75	8.15	6.5-8.5	No
Point 8 - First Flush Effluent quality monitoring		6/09/22	21/09/22	29/09/22	TSS	mg/L	No requirement	0							
		6/09/22	21/09/22	29/09/22	Salinity	ppt	No requirement	0							
		6/09/22	21/09/22	29/09/22	O&G	mg/L	Monthly	1		< 5		nil visual	No		
		6/09/22	21/09/22	29/09/22	pH		Monthly	1		7.33		6.5-8.5	No		
		6/09/22	21/09/22	29/09/22	TDS	mg/L	No requirement	1		131					
		6/09/22	21/09/22	29/09/22	TSS	mg/L	No requirement	1		7					
Oct-22		Point 11 - Air emissions monitoring	31/10/22	7/11/22	NOx	ppm	Continuous	Continuous			< 2132 g/min		< 2132 g/min	No	
			31/11/22	7/11/22	O&G	mg/L	Weekly during any discharge	22			Nil		nil visual	No	
	Point 8 - First Flush Effluent quality monitoring	11/10/22	24/10/22	7/11/22	pH		Weekly during any discharge	22		7.21	7.78	8.16	6.5-8.5	No	
		11/10/22	24/10/22	7/11/22	TSS	mg/L	No requirement	0							
	Point 9 - Process Water Effluent quality monitoring	11/10/22	24/10/22	7/11/22	Salinity	ppt	No requirement	0							
		11/10/22	24/10/22	7/11/22	O&G	mg/L	Monthly	1		< 5		nil visual	No		
		11/10/22	24/10/22	7/11/22	pH		Monthly	1		7.52		6.5-8.5	No		
		11/10/22	24/10/22	7/11/22	TDS	mg/L	No requirement	1		14					
		11/10/22	24/10/22	7/11/22	TSS	mg/L	No requirement	1		1					
		11/10/22	24/10/22	7/11/22	Salinity	ppt	No requirement	1		0.124					
	Nov-22	Point 11 - Air emissions monitoring	13/12/22	14/12/22	NOx	ppm	Continuous	Continuous			< 2132 g/min		< 2132 g/min	No	
			30/11/22	14/12/22	O&G	mg/L	Weekly during any discharge	21			Nil		nil visual	No	
Point 8 - First Flush Effluent quality monitoring		11/11/22	7/12/22	14/12/22	pH		Weekly during any discharge	21		7.63	7.93	8.46	6.5-8.5	No	
		11/11/22	7/12/22	14/12/22	Salinity	ppt	No requirement	0							
Point 9 - Process Water Effluent quality monitoring		11/11/22	7/12/22	14/12/22	O&G	mg/L	Monthly	1		< 5		nil visual	No		
		11/11/22	7/12/22	14/12/22	pH		Monthly	1		6.52		6.5-8.5	No		
		11/11/22	7/12/22	14/12/22	TDS	mg/L	No requirement	1		76					
		11/11/22	7/12/22	14/12/22	TSS	mg/L	No requirement	1		14					
Dec-22		Point 11 - Air emissions monitoring	16/01/23	16/01/23	NOx	ppm	Continuous	Continuous			< 2132 g/min		< 2132 g/min	No	
			3/01/23	16/01/23	O&G	mg/L	Weekly during any discharge	5			Nil		nil visual	No	
		Point 8 - First Flush Effluent quality monitoring	3/01/23	16/01/23	pH		Weekly during any discharge	5		6.91	7.55	7.94	6.5-8.5	No	
			2/12/22	16/12/22	22/12/22	TSS	mg/L	No requirement	0						
	Point 9 - Process Water Effluent quality monitoring	2/12/22	16/12/22	22/12/22	Salinity	ppt	No requirement	0							
		2/12/22	16/12/22	22/12/22	O&G	mg/L	Monthly	1		< 5		nil visual	No		
		2/12/22	16/12/22	22/12/22	pH		Monthly	1		7.23		6.5-8.5	No		
		2/12/22	16/12/22	22/12/22	TDS	mg/L	No requirement	1		125					
	Point 11 - Air emissions monitoring	2/12/22	16/12/22	22/12/22	TSS	mg/L	No requirement	1		8					
		2/12/22	16/12/22	22/12/22	Salinity	ppt	No requirement	1		0.148					
		3/02/23	7/02/23	O&G	mg/L	Weekly during any discharge	28			Continuous		< 2132 g/min	No		
		3/02/23	7/02/23	pH		Weekly during any discharge	15		7.01	7.38	8.03	6.5-8.5	No		
12/01/23		24/01/23	7/02/23	TSS	mg/L	No requirement	0								
12/01/23		24/01/23	7/02/23	Salinity	ppt	No requirement	0								
Jan-23	Point 8 - First Flush Effluent quality monitoring	12/01/23	24/01/23	7/02/23	O&G	mg/L	Monthly	1		< 5		nil visual	No		
		12/01/23	24/01/23	7/02/23	pH		Monthly	1		7.26		6.5-8.5	No		
	Point 9 - Process Water Effluent quality monitoring	12/01/23	24/01/23	7/02/23	TDS	mg/L	No requirement	1		124					
		12/01/23	24/01/23	7/02/23	TSS	mg/L	No requirement	1		2					
		12/01/23	24/01/23	7/02/23	Salinity	ppt	No requirement	1		0.145					
		12/01/23	24/01/23	7/02/23	NOx	ppm	Continuous	Continuous			< 2132 g/min		< 2132 g/min	No	
	Point 11 - Air emissions monitoring	3/02/23	7/02/23	O&G	mg/L	Weekly during any discharge	27			Nil		nil visual	No		
		3/02/23	7/02/23	pH		Weekly during any discharge	13		6.6	7.46	8.15	6.5-8.5	No		
		9/02/23	27/02/23	7/03/23	TSS	mg/L	No requirement	0							
		9/02/23	27/02/23	7/03/23	Salinity	ppt	No requirement	0							
		9/02/23	27/02/23	7/03/23	O&G	mg/L	Weekly during any discharge	1		< 5		nil visual	No		
		9/02/23	27/02/23	7/03/23	pH		Monthly	1		7.4		6.5-8.5	No		
Feb-23	Point 8 - First Flush Effluent quality monitoring	9/02/23	27/02/23	7/03/23	TDS	mg/L	No requirement	1		128					
		9/02/23	27/02/23	7/03/23	TSS	mg/L	No requirement	1		1					
	Point 9 - Process Water Effluent quality monitoring	9/02/23	27/02/23	7/03/23	Salinity	ppt	No requirement	1		0.15					
		9/02/23	27/02/23	7/03/23	NOx	ppm	Continuous	Continuous			< 2132 g/min		< 2132 g/min	No	
		9/02/23	27/02/23	7/03/23	O&G	mg/L	Weekly during any discharge	27			Nil		nil visual	No	
		9/02/23	27/02/23	7/03/23	pH		Weekly during any discharge	13		6.6	7.46	8.15	6.5-8.5	No	

Edits: November 2022: Table reformatting. Removal of ambient air data, this data is not required to be published as per NSW EPA 'Requirements for Publishing Pollution Monitoring Data'