

**Tower Power Station**

Licence Number: 5357

Licence Holder: EDL CSM (NSW) PTY LTD

Licencee Address: Douglas Park Drive  
Douglas Park NSW 2569

Dates: FY 2023-24

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);

Frequency: 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-23	Point 11 - Air emissions monitoring		2/08/23	3/08/23	NOx	ppm	Continuous with limit of 2132 g/min	Continuous with limit of 2132 g/min (1hr rolling average)	< 2132 g/min			< 2132 g/min	No
	Point 8 - First Flush Effluent quality monitoring		3/08/23	3/08/23	O&G	mg/L	Weekly during any discharge - no visible oil	31	Nil			nil visual	No
			3/08/23	11/08/23	pH		Weekly during any discharge	2	7.60	7.66	7.71	6.5-8.5	No
		5/07/23	23/07/23	26/07/23	TSS	mg/L	No requirement	1	<1				
		5/07/23	23/07/23	27/07/23	Salinity	ppt	No requirement	1	0.055				
	Point 9 - Process Water Effluent quality monitoring	5/07/23	23/07/23	24/07/23	O&G	mg/L	Monthly	1	<5			nil visual	No
		5/07/23	23/07/23	24/07/23	pH		Monthly	1	7.32			6.5-8.5	No
		5/07/23	23/07/23	24/07/23	TDS	mg/L	No requirement	1	134				
		5/07/23	23/07/23	24/07/23	TSS	mg/L	No requirement	1	<1				
5/07/23		23/07/23	24/07/23	Salinity	ppt	No requirement	1	0.159					
Aug-23	Point 11 - Air emissions monitoring		4/09/23	6/09/23	NOx	ppm	Continuous with limit of 2132 g/min	Continuous with limit of 2132 g/min (1hr rolling average)	< 2132 g/min			< 2132 g/min	No
	Point 8 - First Flush Effluent quality monitoring		3/09/23	6/09/23	O&G	mg/L	Weekly during any discharge - no visible oil	31	Nil			nil visual	No
			3/09/23	6/09/23	pH		Weekly during any discharge	5	7.17	7.35	7.62	6.5-8.5	No
					TSS	mg/L	No requirement		NA				
	Point 9 - Process Water Effluent quality monitoring				Salinity	ppt	No requirement		NA				
		4/08/23	21/08/23	24/08/23	O&G	mg/L	Monthly		<5			nil visual	No
		4/08/23	21/08/23	24/08/23	pH		Monthly		7.05			6.5-8.5	No
		4/08/23	21/08/23	24/08/23	TDS	mg/L	No requirement		141				
		4/08/23	21/08/23	24/08/23	TSS	mg/L	No requirement		4				
4/08/23		21/08/23	24/08/23	Salinity	ppt	No requirement		0.164					
Sep-23	Point 11 - Air emissions monitoring		9/10/23	9/10/23	NOx	ppm	Continuous	Continuous	< 2132 g/min			< 2132 g/min	No
	Point 8 - First Flush Effluent quality monitoring		3/10/23	9/10/23	O&G	visible	Weekly during any discharge	3	Nil			nil visual	No
			3/10/23	9/10/23	pH		Weekly during any discharge	3	7.07	7.106	7.15	6.5-8.5	No
	Point 9 - Process Water Effluent quality monitoring		26/09/23	27/09/23	O&G	visible	Monthly		<5			nil visual	No
		6/09/23	26/09/23	27/09/23	pH		Monthly		6.96			6.5-8.5	No
Oct-23	Point 11 - Air emissions monitoring		24/10/23	6/11/23	NOx	ppm	Continuous	Continuous	< 2132 g/min			< 2132 g/min	No
	Point 8 - First Flush Effluent quality monitoring		3/11/23	6/11/23	O&G	visible	Weekly during any discharge	4	Nil			nil visual	No
			3/11/23	6/11/23	pH		Weekly during any discharge	4	6.85	6.95	7.10	6.5-8.5	No
	Point 9 - Process Water Effluent quality monitoring	4/10/23	20/10/23	6/11/23	O&G	visible	Monthly		<5			nil visual	No
4/10/23		20/10/23	6/11/23	pH		Monthly		7.2			6.5-8.5	No	
Nov-23	Point 11 - Air emissions monitoring		28/11/23	11/12/23	NOx	ppm	Continuous	Continuous	< 2132 g/min			< 2132 g/min	No
	Point 8 - First Flush Effluent quality monitoring		3/12/23	11/12/23	O&G	visible	Weekly during any discharge	7	Nil			nil visual	No
			3/12/23	11/12/23	pH		Weekly during any discharge	7	6.90	7.12	7.40	6.5-8.5	No
	Point 9 - Process Water Effluent quality monitoring	6/11/23	21/11/23	11/12/23	O&G	visible	Monthly		<5			nil visual	No
		6/11/23	21/11/23	11/12/23	pH		Monthly		6.96			6.5-8.5	No
Dec-23	Point 11 - Air emissions monitoring		27/12/23	8/01/24	NOx	ppm	Continuous	Continuous	< 2132 g/min			< 2132 g/min	No
	Point 8 - First Flush Effluent quality monitoring		3/01/24	8/01/24	O&G	visible	Weekly during any discharge	17	Nil			nil visual	No
			3/01/24	8/01/24	pH		Weekly during any discharge	17	6.80	7.40	7.80	6.5-8.5	No
	Point 9 - Process Water Effluent quality monitoring	4/12/23	22/12/23	8/01/24	O&G	visible	Monthly		<5			nil visual	No
4/12/23		22/12/23	8/01/24	pH		Monthly		6.98			6.5-8.5	No	
Jan-24	Point 11 - Air emissions monitoring		29/01/24	5/02/24	NOx	ppm	Continuous	Continuous	< 2132 g/min			< 2132 g/min	No
	Point 8 - First Flush Effluent quality monitoring		3/02/24	5/02/24	O&G	visible	Weekly during any discharge	16	Nil			nil visual	No
			3/02/24	5/02/24	pH		Weekly during any discharge	16	7.00	7.42	7.81	6.5-8.5	No
	Point 9 - Process Water Effluent quality monitoring	12/01/24	29/01/24	5/02/24	O&G	visible	Monthly		<5			nil visual	No
12/01/24		29/01/24	5/02/24	pH		Monthly		7.04			6.5-8.5	No	
Feb-24	Point 11 - Air emissions monitoring		28/02/24	5/03/24	NOx	ppm	Continuous	Continuous	< 2132 g/min			< 2132 g/min	No
	Point 8 - First Flush Effluent quality monitoring		3/03/24	5/03/24	O&G	visible	Weekly during any discharge	10	Nil			nil visual	No
			3/03/24	5/03/24	pH		Weekly during any discharge	10	6.90	7.18	7.58	6.5-8.5	No
	Point 9 - Process Water Effluent quality monitoring	7/02/24	20/02/24	5/03/24	O&G	visible	Monthly		<5			nil visual	No
7/02/24		20/02/24	5/03/24	pH		Monthly		6.92			6.5-8.5	No	
Mar-24	Point 11 - Air emissions monitoring		28/03/24	3/04/24	NOx	ppm	Continuous	Continuous	< 2132 g/min			< 2132 g/min	No
	Point 8 - First Flush Effluent quality monitoring		3/04/24	3/04/24	O&G	visible	Weekly during any discharge	7	Nil			nil visual	No
			3/04/24	3/04/24	pH		Weekly during any discharge	7	6.85	7.21	7.70	6.5-8.5	No
	Point 9 - Process Water Effluent quality monitoring	8/03/24	21/03/24	3/04/24	O&G	visible	Monthly		<5			nil visual	No
8/03/24		21/03/24	3/04/24	pH		Monthly		7.48			6.5-8.5	No	
Apr-24	Point 11 - Air emissions monitoring		26/04/24	6/05/24	NOx	ppm	Continuous	Continuous	< 2132 g/min			< 2132 g/min	No
	Point 8 - First Flush Effluent quality monitoring		3/05/24	6/05/24	O&G	visible	Weekly during any discharge	15	Nil			nil visual	No
			3/05/24	6/05/24	pH		Weekly during any discharge	15	6.95	7.24	8.00	6.5-8.5	No
	Point 9 - Process Water Effluent quality monitoring	2/04/24	11/04/24	6/05/24	O&G	visible	Monthly		<5			nil visual	No
2/04/24		11/04/24	6/05/24	pH		Monthly		6.99			6.5-8.5	No	
May-24	Point 11 - Air emissions monitoring		31/05/24	4/06/24	NOx	ppm	Continuous	Continuous	< 2132 g/min			< 2132 g/min	No
	Point 8 - First Flush Effluent quality monitoring		3/06/24	4/06/24	O&G	visible	Weekly during any discharge	13	Nil			nil visual	No
			3/06/24	4/06/24	pH		Weekly during any discharge	13	6.77	7.26	7.50	6.5-8.5	No
	Point 9 - Process Water Effluent quality monitoring	9/05/24	27/05/24	4/06/24	O&G	visible	Monthly		<5			nil visual	No
9/05/24		27/05/24	4/06/24	pH		Monthly		6.96			6.5-8.5	No	
Jun-24	Point 11 - Air emissions monitoring		26/06/24	3/07/24	NOx	ppm	Continuous	Continuous	< 2132 g/min			< 2132 g/min	No
	Point 8 - First Flush Effluent quality monitoring		3/07/24	3/07/24	O&G	visible	Weekly during any discharge	12	Nil			nil visual	No
			3/07/24	3/07/24	pH		Weekly during any discharge	12	7.00	7.47	7.90	6.5-8.5	No
	Point 9 - Process Water Effluent quality monitoring	6/06/24	19/06/24	3/07/24	O&G	visible	Monthly		<5			nil visual	No
6/06/24		19/06/24	3/07/24	pH		Monthly		6.89			6.5-8.5	No	