

Tower Power Station

Licence Number: 5357  
 EDL CSM (NSW) PTY LTD  
 Licence Holder: Douglas Park Drive  
 Licensee Address: 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);  
 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-22	Point 10 - Ambient air and weather monitoring station	12-08-22	15-08-22	15-08-22	NOx	ppb	Continuous	Continuous	-1	9	131			
		12-08-22	15-08-22	15-08-22	O3	ppb	Continuous	Continuous	1	20	33			
		12-08-22	15-08-22	15-08-22	NOx	ppm	Continuous	Continuous	< 2132 g/min			< 2132 g/min	No	
	Point 8 - First Flush Effluent quality monitoring	26-07-22	4-08-22	4-08-22	O&G	mg/L	Weekly during any discharge	22		nil		nil visual	No	
		3-08-22	8-08-22	8-08-22	pH		Waste 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	spt	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		6.06		6.5-8.5	No	
	Point 9 - Process Water Effluent quality monitoring	8-07-22	26-07-22	4-08-22	TDS	mg/L	No requirement	1		194				
		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	Salinity	spt	No requirement	1		0.12				
12-09-22		19-09-22	19-09-22	NOx	ppb	Continuous	Continuous	0	6	48				
12-09-22		19-09-22	19-09-22	O3	ppb	Continuous	Continuous	1	19	34				
12-09-22		19-09-22	19-09-22	NOx	ppm	Continuous	Continuous	< 2132 g/min				< 2132 g/min	No	
Aug-22	Point 11 - Air emissions monitoring	22-08-22	30-08-22	30-08-22	O&G	mg/L	Weekly during any discharge	14		nil		nil visual	No	
		3-09-22	12-09-22	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		-				
	Point 8 - First Flush Effluent quality monitoring	5-08-22	22-08-22	30-08-22	Salinity	spt	No requirement	1		<1				
		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	
		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	spt	No requirement	1		0.148				
	Sep-22	Point 10 - Ambient air and weather monitoring station	12-10-22	17-10-22	17-10-22	NOx	ppb	Continuous	Continuous	0	7	68		
			12-10-22	17-10-22	17-10-22	O3	ppb	Continuous	Continuous	1	21	38		
			12-10-22	17-10-22	17-10-22	NOx	ppm	Continuous	Continuous	< 2132 g/min				< 2132 g/min
Point 8 - First Flush Effluent quality monitoring		21-09-22	29-09-22	29-09-22	O&G	mg/L	Weekly during any discharge	17		nil		nil visual	No	
		12-10-22	17-10-22	17-10-22	pH		Weekly during any discharge	17	7.31	7.75	8.15	6.5-8.5	No	
		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	spt	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	
Point 9 - Process Water Effluent quality monitoring		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				
		6-09-22	21-09-22	29-09-22	Salinity	spt	No requirement	1		0.153				
	31-10-22	7-11-22	7-11-22	NOx	ppm	Continuous	Continuous	<2132 g/min				< 2132 g/min	No	
	3-11-22	7-11-22	7-11-22	O&G	mg/L	Weekly during any discharge	22		nil		nil visual	No		
	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		
Oct-22	Point 8 - First Flush Effluent quality monitoring	11-10-22	24-10-22	7-11-22	TSS	mg/L	No requirement	0		-				
		11-10-22	24-10-22	7-11-22	Salinity	spt	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		107				
		11-10-22	24-10-22	7-11-22	TSS	mg/L	No requirement	1		1				
	Point 9 - Process Water Effluent quality monitoring	11-10-22	24-10-22	7-11-22	Salinity	spt	No requirement	1		0.124				
		13-12-22	14-12-22	14-12-22	NOx	ppm	Continuous	Continuous	<2132 g/min				< 2132 g/min	No
		30-11-22	14-12-22	14-12-22	O&G	mg/L	Weekly during any discharge	21		nil		nil visual	No	
		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	spt	No requirement	0		-				
		11-11-22	7-12-22	14-12-22	O&G	mg/L	Monthly	1		<5		nil visual	No	
Nov-22	Point 8 - First Flush Effluent quality monitoring	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	TSS	mg/L	No requirement	1		76				
		11-11-22	7-12-22	14-12-22	TSS	mg/L	No requirement	1		14				
		11-11-22	7-12-22	14-12-22	Salinity	spt	No requirement	1		0.087				
		16-01-23	16-01-23	16-01-23	NOx	ppm	Continuous	Continuous	<2132 g/min				< 2132 g/min	No
		3-01-23	16-01-23	16-01-23	O&G	mg/L	Weekly during any discharge	5		6.91	7.55	7.94	6.5-8.5	No
	Point 9 - Process Water Effluent quality monitoring	2-12-22	16-12-22	22-12-22	TSS	mg/L	No requirement	0		-				
		2-12-22	16-12-22	22-12-22	Salinity	spt	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				
		2-12-22	16-12-22	22-12-22	TSS	mg/L	No requirement	1		8				
Dec-22	Point 11 - Air emissions monitoring	6-02-23	7-02-23	7-02-23	NOx	ppm	Continuous	Continuous	<2132 g/min			< 2132 g/min	No	
		3-02-23	7-02-23	7-02-23	O&G	mg/L	Weekly during any discharge	28		nil		nil visual	No	
		3-02-23	7-02-23	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	spt	No requirement	0		-				
		12-01-23	24-01-23	7-02-23	O&G	mg/L	Monthly	1		<5		nil visual	No	
	Point 8 - First Flush Effluent quality monitoring	12-01-23	24-01-23	7-02-23	pH		Monthly	1		7.28		6.5-8.5	No	
		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	spt	No requirement	1		0.145				
		6-03-23	7-03-23	7-03-23	NOx	ppm	Continuous	Continuous	<2132 g/min				< 2132 g/min	No
		3-03-23	7-03-23	7-03-23	O&G	mg/L	Weekly during any discharge	27		nil		nil visual	No	
Point 9 - Process Water Effluent quality monitoring	9-02-23	27-02-23	7-03-23	pH		Monthly	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	spt	No requirement	0		-					
	9-02-23	27-02-23	7-03-23	O&G	mg/L	Weekly during any discharge	1		7.4		nil visual	No		
	9-02-23	27-02-23	7-03-23	pH		Monthly	1		7.23		6.5-8.5	No		
	9-02-23	27-02-23	7-03-23	TDS	mg/L	No requirement	1		128					
Jan-23	Point 8 - First Flush Effluent quality monitoring	9-02-23	27-02-23	7-03-23	TSS	mg/L	No requirement	1		1				
		9-02-23	27-02-23	7-03-23	Salinity	spt	No requirement	1		0.15				
		29-03-23	4-04-23	4-04-23	NOx	ppm	Continuous	Continuous	<2132 g/min				< 2132 g/min	No
		3-04-23	4-04-23	4-04-23	pH		Monthly	31		nil		nil visual	No	
		6-03-23	29-03-23	4-04-23	TSS	mg/L	No requirement	0		-				
		6-03-23	29-03-23	4-04-23	Salinity	spt	No requirement	0		-				
	Point 9 - Process Water Effluent quality monitoring	6-03-23	29-03-23	4-04-23	O&G	mg/L	Monthly	1		<5		nil visual	No	
		6-03-23	29-03-23	4-04-23	pH		Monthly	1		7.66		6.5-8.5	No	
		6-03-23	29-03-23	4-04-23	TDS	mg/L	No requirement	1		189				
		6-03-23	29-03-23	4-04-23	TSS	mg/L	No requirement	1		2				
		6-03-23	29-03-23	4-04-23	Salinity	spt	No requirement	1		0.199				
		6-03-23	29-03-23	4-04-23	NOx	ppm	Continuous with limit of 2132 g/min	Continuous	<2132 g/min				< 2132 g/min	No
Feb-23	Point 8 - First Flush Effluent quality monitoring	3-05-23	3-05-23	3-05-23	O&G	mg/L	Weekly during any discharge	30		nil		nil visual	No	
		3-05-23	3-05-23	3-05-23	pH		Monthly	13	7.17	7.62	8.4	6.5-8.5	No	
		6-04-23	20-04-23	26-04-23	TSS	mg/L	No requirement	0		-				
		6-04-23	20-04-23	26-04-23	Salinity	spt	No requirement	0		-				
		6-04-23	20-04-23	26-04-23	O&G	mg/L	Monthly	1		<5		nil visual	No	
		6-04-23	20-04-23	26-04-23	pH		Monthly	1		7.54		6.5-8.5	No	
	Point 9 - Process Water Effluent quality monitoring	6-04-23	20-04-23	26-04-23	TDS	mg/L	No requirement	1		162				
		6-04-23	20-04-23	26-04-23	TSS	mg/L	No requirement	1		137				
		6-04-23	20-04-23	26-04-23	Salinity	spt	No requirement	1		2				
		6-04-23	20-04-23	26-04-23	O&G	mg/L	No requirement	1						

Point 9 - Process Water Effluent quality monitoring	6-06-23	21-06-23	23-06-23	pH	Monthly	1	7.14	6.5-8.5	No
	6-06-23	21-06-23	23-06-23	TDS	No requirement	1	160		
	6-06-23	21-06-23	23-06-23	TSS	No requirement	1	2		
	6-06-23	21-06-23	23-06-23	Salinity	No requirement	1	0.185		

**Change Log**

**Change made**  
**Date**  
 10-08-23 June Point 8 - First Flush Effluent  
 quality monitoring "Measurement  
 during the month" amended following  
 review and amended report. Date  
 published 10/08/23