

**Tower Power Station**

**Licence Number:** 5357

**Licence Holder:** PO BOX 4046

**Licensee Address:** Douglas Park Drive

**Month:** FY 2015-16

Month	Location of monitoring point	Sampled	Obtained	Published	Pollutant	Units	Monitoring Frequency (Licence)	Measurement during month	Min	Mean	Max
Jul-15	Point 10 - Ambient air and weather monitoring station	-	13/08/15	13/08/15	Nox	ppb	Continuous	Continuous	0	8	141
		-	13/08/15	13/08/15	O3	ppb	Continuous	Continuous	-1	-	28
	Point 11 - Air emissions monitoring	-	-	11/08/15	NOx	ppm	Continuous	Continuous	<2132g/min		
	Point 8 - First Flush Effluent quality monitoring	-	-	11/08/15	O&G	mg/L	Weekly during any discharge	5	No visual		
		-	-	11/08/15	pH		Weekly during any discharge	5	7.9	8.06	8.5
Aug-15	Point 10 - Ambient air and weather monitoring station	-	28/09/15	28/09/15	Nox	ppb	Continuous	Continuous	0	19	105
		-	28/09/15	28/09/15	O3	ppb	Continuous	Continuous	0	-	40
	Point 11 - Air emissions monitoring	-	-	14/08/15	NOx	ppm	Continuous	Continuous	<2132g/min		
	Point 8 - First Flush Effluent quality monitoring	-	-	14/08/15	O&G	mg/L	Weekly during any discharge	9	no visual		
		-	-	14/08/15	pH		Weekly during any discharge	9	7.9	8.1	8.4
	Point 9 - Process Water Effluent quality monitoring	5/08/15	24/08/15	14/08/15	O&G	mg/L	Monthly	1	5		
5/08/15		24/08/15	14/08/15	pH		Monthly	1	7.42			
Sep-15	Point 10 - Ambient air and weather monitoring station	-	12/10/15	15/10/15	Nox	ppb	Continuous	Continuous	0	8	55
		-	12/10/15	15/10/15	O3	ppb	Continuous	Continuous	0	-	48
	Point 11 - Air emissions monitoring	-	-	8/10/15	NOx	ppm	Continuous	Continuous	<2132g/min		
	Point 8 - First Flush Effluent quality monitoring	-	-	8/10/15	O&G	mg/L	Weekly during any discharge	9	No visual		
		-	-	8/10/15	pH		Weekly during any discharge	9	7.5	8.0	8.2
	Point 9 - Process Water Effluent quality monitoring	2/09/15	15/09/15	28/09/15	O&G	mg/L	Monthly	1	6		
2/09/15		15/09/15	28/09/15	pH		Monthly	1	7.59			
Oct-15	Point 10 - Ambient air and weather monitoring station	-	12/11/15	17/11/15	Nox	ppb	Continuous	Continuous	1	10	210
		-	12/11/15	17/11/15	O3	ppb	Continuous	Continuous	0	-	74
	Point 11 - Air emissions monitoring	-	-	17/11/15	NOx	ppm	Continuous	Continuous	<2132g/min		
	Point 8 - First Flush Effluent quality monitoring	-	-	5/11/15	O&G	mg/L	Weekly during any discharge	7	No visual		
		-	-	5/11/15	pH		Weekly during any discharge	7	7.9	8.0	8.1
	Point 9 - Process Water Effluent quality monitoring	6/10/15	22/10/15	5/11/15	O&G	mg/L	Monthly	1	<5		
6/10/15		22/10/15	5/11/15	pH		Monthly	1	7.45			

Nov-15		-	11/12/15	16/12/15	Nox	ppb	Continuous	Continuous	1	10	92
	Point 10 - Ambient air and weather monitoring station	-	11/12/15	16/12/15	O3	ppb	Continuous	Continuous	0	-	69
	Point 11 - Air emissions monitoring	-	-	16/12/15	NOx	ppm	Continuous	Continuous	<2132g/min		
		-	-	16/12/15	O&G	mg/L	Weekly during any discharge	5	No visual		
	Point 8 - First Flush Effluent quality monitoring	-	-	16/12/15	pH		Weekly during any discharge	5	8.0	8.2	8.4
	Point 9 - Process Water Effluent quality monitoring	3/11/15	26/11/15	16/12/15	O&G	mg/L	Monthly	1	7		
	3/11/15	26/11/15	16/12/15	pH		Monthly	1	7.06			
Dec-15		-	14/01/16	20/01/16	Nox	ppb	Continuous	Continuous	1	8	133
	Point 10 - Ambient air and weather monitoring station	-	14/01/16	20/01/16	O3	ppb	Continuous	Continuous	-1	-	80
	Point 11 - Air emissions monitoring	-	-	20/01/16	NOx	ppm	Continuous	Continuous	<2132g/min		
		-	-	20/01/16	O&G	mg/L	Weekly during any discharge	10	No visual		
	Point 8 - First Flush Effluent quality monitoring	-	-	20/01/16	pH		Weekly during any discharge	10	7.2	7.82	8.4
	Point 9 - Process Water Effluent quality monitoring	1/12/15	16/12/15	20/01/16	O&G	mg/L	Monthly	1	7		
	1/12/15	16/12/15	20/01/16	pH		Monthly	1	8.32			
Jan-16		-	12/02/16	23/02/16	Nox	ppb	Continuous	Continuous	0	8	97
	Point 10 - Ambient air and weather monitoring station	-	12/02/16	23/02/16	O3	ppb	Continuous	Continuous	-1	-	84
	Point 11 - Air emissions monitoring	-	-	23/02/16	NOx	ppm	Continuous	Continuous	<2132g/min		
		-	-	23/02/16	O&G	mg/L	Weekly during any discharge	12	No visual		
	Point 8 - First Flush Effluent quality monitoring	-	-	23/02/16	pH		Weekly during any discharge	12	6.88	7.6	9.2
	Point 9 - Process Water Effluent quality monitoring	4/01/16	19/01/16	20/01/16	O&G	mg/L	Monthly	1	<5		
	4/01/16	19/01/16	20/01/16	pH		Monthly	1	8.03			
Feb-16		-	12/03/16	22/03/16	Nox	ppb	Continuous	Continuous	0	9.4	240
	Point 10 - Ambient air and weather monitoring station	-	12/03/16	22/03/16	O3	ppb	Continuous	Continuous	1	17.1	107
	Point 11 - Air emissions monitoring	-	-	22/03/16	NOx	ppm	Continuous	Continuous	<2132g/min		
		-	-	22/03/16	O&G	mg/L	Weekly during any discharge	12	No visual		
	Point 8 - First Flush Effluent quality monitoring	-	-	22/03/16	pH		Weekly during any discharge	12	7.1	7.6	8.14
	Point 9 - Process Water Effluent quality monitoring	1/02/16	18/02/16	3/03/16	O&G	mg/L	Monthly	1	7		
	1/02/16	18/02/16	3/03/16	pH		Monthly	1	7.2			
Mar-16		-	12/04/16	28/04/16	Nox	ppb	Continuous	Continuous	0	8	85
	Point 10 - Ambient air and weather monitoring station	-	12/04/16	28/04/16	O3	ppb	Continuous	Continuous	-1	-	81
	Point 11 - Air emissions monitoring	-	-	28/04/16	NOx	ppm	Continuous	Continuous	<2132g/min		
		-	-	28/04/16	O&G	mg/L	Weekly during any discharge		No visual		

	Point 8 - First Flush Effluent quality monitoring	-	-	28/04/16	pH		Weekly during any discharge		6.7	7.5	8.1
		30/03/16	14/04/16	28/04/16	O&G	mg/L	Monthly	1	<5		
	Point 9 - Process Water Effluent quality monitoring	30/03/16	14/04/16	28/04/16	pH		Monthly	1	7.05		
Apr-16	Point 10 - Ambient air and weather monitoring station		12/05/16	2/11/16	Nox	ppb	Continuous	Continuous	1	9	66
			12/05/16	2/11/16	O3	ppb	Continuous	Continuous	-1	16	58
	Point 11 - Air emissions monitoring	-	-	2/11/16	NOx	ppm	Continuous	Continuous	<2132g/min		
		13/04/16	29/04/16	2/11/16	O&G	mg/L	Weekly during any discharge		No visual		
		13/04/16	29/04/16	2/11/16	TSS		Monthly	1	1		
		13/04/16	29/04/16	2/11/16	Salinity		Monthly	1	0.092		
	Point 8 - First Flush Effluent quality monitoring	13/04/16	-	2/11/16	pH		Weekly during any discharge		7	7.5	7.8
		13/04/16	29/04/16	2/11/16	O&G	mg/L	Monthly	1	<5		
		13/04/16	29/04/16	2/11/16	TSS				6		
	Point 9 - Process Water Effluent quality monitoring	13/04/16	29/04/16	2/11/16	Salinity				0.166		
	13/04/16	29/04/16	2/11/16	pH		Monthly	1	7.58			
May-16	Point 10 - Ambient air and weather monitoring station	-	13/07/16	2/11/16	Nox	ppb	Continuous	Continuous	0	8	91
		-	13/07/16	2/11/16	O3	ppb	Continuous	Continuous	0	-	52
	Point 11 - Air emissions monitoring	-	-	2/11/16	NOx	ppm	Continuous	Continuous	<2132g/min		
		3/05/16	1/06/16	2/11/16	O&G	mg/L	Weekly during any discharge	4	No visual		
		3/05/16	1/06/16	2/11/16	TSS			0	-		
		3/05/16	1/06/16	2/11/16	Salinity			0	-		
	Point 8 - First Flush Effluent quality monitoring	-	-	2/11/16	pH		Weekly during any discharge	4	7.5	8	8.4
		3/05/16	1/06/16	2/11/16	O&G	mg/L	Monthly	1	< 5		
		3/05/16	1/06/16	2/11/16	TSS				2		
	Point 9 - Process Water Effluent quality monitoring	3/05/16	1/06/16	2/11/16	Salinity				0.167		
	3/05/16	1/06/16	2/11/16	pH		Monthly	1	7.6			
Jun-16	Point 10 - Ambient air and weather monitoring station	-	13/07/16	2/11/16	Nox	ppb	Continuous	Continuous	-1	5.5	178
		-	13/07/16	2/11/16	O3	ppb	Continuous	Continuous	-1	15.8	28
	Point 11 - Air emissions monitoring	-	-	2/11/16	NOx	ppm	Continuous	Continuous	<2132g/min		
		1/06/16	28/06/16	2/11/16	O&G	mg/L	Weekly during any discharge	4	No visual		
		1/06/16	28/06/16	2/11/16	TSS		Monthly	1	3		
		1/06/16	28/06/16	2/11/16	Salinity		Monthly	1	0.057		
	Point 8 - First Flush Effluent quality monitoring	-	-	2/11/16	pH		Weekly during any discharge	4	7.45	7.8	8.1
	Point 9 - Process Water Effluent quality monitoring	1/06/16	28/06/16	2/11/16	O&G	mg/L	Monthly	1	5		
	1/06/16	28/06/16	2/11/16	pH		Monthly	1	7.27			

First flush empty