Teralba Power Generation Plant

Licence Number: 12088

Licence Holder: Envirogen PTY LTD

Licensee Address: 1 Railway Street TERALBA NSW 2284

Testing Month/Year: Jun-11

Location of monitoring point	Sampled	Obtained	Published	Pollutant	Units of measure	Monitoring frequency required by licence	Licence Limit	No. of times measured during month	Min. value	Mean value	Max. Value
Point 09 - Water quality monitoring. Outlet of oil-water separator				Oil and Grease	Milligrams per litre	Monthly	0	1			
				Total suspended solids	Milligrams per litre	Monthly	<50	1			
				pH	pH	Monthly	6.5-8.5	1			
Point 1 - Air emissions monitoring, Exhaust stack gas engine 1	-			Dry gas density	kilograms per cubic metre	Yearly			-		
	-			Moisture content	Percent	Yearly			-		
	-			Molecular weight of stack gases	grams per gram mole	Yearly		1	-		
	-			Nitrogen Oxides	milligrams per normalised cubic metre	6 Monthly	<450 Dry 273K 101.3kPa 7% O2	1	-		
	-			Oxygen (O2)	percent	Yearly		1	-		
	-			Temperature	degrees Celsius	Yearly		1	-		
	-			Velocity	metres per second	Yearly		1	-		
	-			Volumetric flowrate	cubic metres per second	Yearly		1	-		

Point 2 - Air emissions monitoring, Exhaust stack gas engine 2	24/06/11		3/07/14	Dry gas density	kilograms per cubic metre	Yearly			1.32
	24/06/11		3/07/14	Moisture content	Percent	Yearly			11.3
	24/06/11		3/07/14	Molecular weight of stack gases	grams per gram mole	Yearly		1	29.464
	24/06/11		3/07/14	Nitrogen Oxides	milligrams per normalised cubic metre	6 Monthly	<450 Dry 273K 101.3kPa 7% O2	1	425
	24/06/11		3/07/14	Oxygen (O2)	percent	Yearly		1	9.4
	24/06/11		3/07/14	Temperature	degrees Celsius	Yearly		1	44
	24/06/11		3/07/14	Velocity	metres per second	Yearly		1	47.4
	24/06/11		3/07/14	Volumetric flowrate	cubic metres per second	Yearly		1	1.32
Point 3 - Air emissions monitoring, Exhaust stack gas engine 3	-			Dry gas density	kilograms per cubic metre	Yearly			-
	-			Moisture content	Percent	Yearly			-
	-			Molecular weight of stack gases	grams per gram mole	Yearly		1	-
	-			Nitrogen Oxides	milligrams per normalised cubic metre	6 Monthly	<450 Dry 273K 101.3kPa 7% O2	1	-
	-			Oxygen (O2)	percent	Yearly		1	-
	-			Temperature	degrees Celsius	Yearly		1	-
	-			Velocity	metres per second	Yearly		1	-

	-			Volumetric flowrate	cubic metres per second	Yearly		1	-
Point 4 - Air emissions monitoring, Exhaust stack gas engine 4	24/06/11		3/07/14	Dry gas density	kilograms per cubic metre	Yearly			1.31
	24/06/11		3/07/14	Moisture content	Percent	Yearly			8.7
	24/06/11		3/07/14	Molecular weight of stack gases	grams per gram mole	Yearly		1	29.42
	24/06/11		3/07/14	Nitrogen Oxides	milligrams per normalised cubic metre	6 Monthly	<450 Dry 273K 101.3kPa 7% O2	1	348
	24/06/11		3/07/14	Oxygen (O2)	percent	Yearly		1	9.9
	24/06/11		3/07/14	Temperature	degrees Celsius	Yearly		1	436
	24/06/11		3/07/14	Velocity	metres per second	Yearly		1	42.5
	24/06/11		3/07/14	Volumetric flowrate	cubic metres per second	Yearly		1	1.23
Point 5 - Air emissions monitoring, Exhaust stack gas engine 5	Engine 5- 8 not currently installed on site.			Dry gas density	kilograms per cubic metre	Yearly			Engine 5- 8 not currently installed on site.
				Moisture content	Percent	Yearly			
				Molecular weight of stack gases	grams per gram mole	Yearly		1	
				Nitrogen Oxides	milligrams per normalised cubic metre	6 Monthly	<450 Dry 273K 101.3kPa 7% O2	1	
				Oxygen (O2)	percent	Yearly		1	
				Temperature	degrees Celsius	Yearly		1	

		Velocity	metres per second	Yearly		1	
		Volumetric flowrate	cubic metres per second	Yearly		1	
Point 6 - Air emissions monitoring, Exhaust stack gas engine 6	Engine 5- 8 not currently installed on site.	Dry gas density	kilograms per cubic metre	Yearly			Engine 5- 8 not currently installed on site.
		Moisture content	Percent	Yearly			
		Molecular weight of stack gases	grams per gram mole	Yearly		1	
		Nitrogen Oxides	milligrams per normalised cubic metre	6 Monthly	<450 Dry 273K 101.3kPa 7% O2	1	
		Oxygen (O2)	percent	Yearly		1	
		Temperature	degrees Celsius	Yearly		1	
		Velocity	metres per second	Yearly		1	
		Volumetric flowrate	cubic metres per second	Yearly		1	
Point 7 - Air emissions monitoring, Exhaust stack gas engine 7	Engine 5- 8 not currently installed on site.	Dry gas density	kilograms per cubic metre	Yearly			Engine 5- 8 not currently installed on site.
		Moisture content	Percent	Yearly			
		Molecular weight of stack gases	grams per gram mole	Yearly		1	
		Nitrogen Oxides	milligrams per normalised cubic metre	6 Monthly	<450 Dry 273K 101.3kPa 7% O2	1	
		Oxygen (O2)	percent	Yearly		1	

		Temperature	degrees Celsius	Yearly		1	
		Velocity	metres per second	Yearly		1	
		Volumetric flowrate	cubic metres per second	Yearly		1	
Point 8 - Air emissions monitoring, Exhaust stack gas engine 8	Engine 5- 8 not currently installed on site.	Dry gas density	kilograms per cubic metre	Yearly			Engine 5- 8 not currently installed on site.
		Moisture content	Percent	Yearly			
		Molecular weight of stack gases	grams per gram mole	Yearly		1	
		Nitrogen Oxides	milligrams per normalised cubic metre	6 Monthly	<450 Dry 273K 101.3kPa 7% O2	1	
		Oxygen (O2)	percent	Yearly		1	
		Temperature	degrees Celsius	Yearly		1	
		Velocity	metres per second	Yearly		1	
		Volumetric flowrate	cubic metres per second	Yearly		1	